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Mr. Jim Seiler
AES Project Officer
U.S. Environmental Protection Agency, Region 7
901 North 5th Street
Kansas City, KS 66101

RE: Final Remedial Design Field Investigation Report for the
Garvey Elevator Site, Hastings, Nebraska.
U.S. EPA Region 7 AES Contract No. EP-S7-05-05; Task Order No. 0046
EPA Task Order Project Officer: Brian Zurbuchen, Ph.D.

Dear Mr. Seiler:

HydroGeoLogic, Inc. (HGL) is pleased to submit two hard copies (with electronic copies on CD) of the Final Remedial Design Field Investigation Report for the Garvey Elevator Site, Hastings, Nebraska. This document was prepared in accordance with Task Order 0046; our EPA-approved Task Order Proposal Revision 1 submitted on July 7, 2010; and the Final Sampling and Analysis Plan dated October 13, 2010. It has been revised per the EPA Comments to the Draft Remedial Design Field Investigation Report dated July 12, 2011 and the Nebraska Department of Environmental Quality (NDEQ) comments provided to HGL on the same date.

As requested by EPA, two additional hard copies of the draft Remedial Design Field Investigation Report will be sent to Laurie Brunner at NDEQ. Should you have any questions or comments, please contact us at 913-317-8860.

Sincerely,

[redacted], P.G.
[redacted] Manager

for [redacted] P.G., CHMM
AES Program Manager

Enclosures

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FINAL
REMEDIAL DESIGN FIELD INVESTIGATION REPORT
GARVEY ELEVATOR SITE
HASTINGS, NEBRASKA

Prepared for:

U.S. Environmental Protection Agency Region 7
901 North 5th Street
Kansas City, KS 66101

Architect and Engineering Services Contract EP-S7-05-05
Task Order: 0046

Prepared by:
HydroGeoLogic, Inc.
6340 Glenwood, Suite 200
Building #7
Overland Park, KS 66202

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HydroGeoLogic, Inc

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LIST OF ACRONYMS AND ABBREVIATIONS

AES	Architect and Engineering Services
AGP	Ag Processing, Inc.
amsl	above mean sea level
AOC	Administrative Order on Consent
AST	above ground storage tank
ASTM	ASTM International
bgs	below ground surface
BLY	Boart Longyear Drilling
btoc	below top of casing
CS_2	carbon disulfide
CCl_4	carbon tetrachloride
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CSM	conceptual site model
EPA	U.S. Environmental Protection Agency
ESA	Environmental Site Assessment
FDS	Functional Design Specification
ft	foot/feet
ft/day	feet per day
ft^2/day	square feet per day
FS	Feasibility Study
GET	groundwater extraction and treatment
gpm	gallons per minute
gpm/ft	gallons per minute per foot of drawdown
HGL	HydroGeoLogic, Inc.
HHRA	human health risk assessment
HMI	human machine interface
Hz	hertz
K	hydraulic conductivity
L^2/T	length squared per time increment
mA	milliampere
MCL	maximum contaminant level
μg/L	micrograms per liter

LIST OF ACRONYMS AND ABBREVIATIONS (continued)

MOA	Memorandum of Agreement
NAD	North American Datum
NAVD	North American Vertical Datum
NDEQ	Nebraska Department of Environmental Quality
NDHHS	Nebraska Department of Health and Human Services
NPL	National Priorities List
NTU	nephelometric turbidity unit
O&M	operation and maintenance
OU	operable unit
QSPEC	QSPEC Solutions, Inc.
PA/SI	Preliminary Assessment/Site Inspection
PLC	programmable logic controller
PRP	Potentially Responsible Party
psia	pounds per square inch absolute
PVC	polyvinyl chloride
RA	Removal Action
RAPMA	Remedial Action Program Monitoring Act
RD	Remedial Design Study
RI	Remedial Investigation
ROD	Record of Decision
SAP	Sampling and Analysis Plan
SLERA	screening level ecological risk assessment
SVE	soil vapor extraction
VCP	Voluntary Cleanup Program
VFD	variable frequency drive
VW	vibrating wire

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REMEDIAL DESIGN FIELD INVESTIGATION REPORT GARVEY ELEVATOR SITE HASTINGS, NEBRASKA

1.0 INTRODUCTION

1.1 PURPOSE

HydroGeoLogic, Inc. (HGL) has been tasked to conduct remedial design (RD) activities at the Garvey Elevator site in Hastings, Nebraska. This work is being performed under Region 7 U.S. Environmental Protection Agency (EPA) Architect and Engineering Services (AES) contract EP-S7-05-05, Task Order 0046. The Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) ID# for the site is NEN000704351. EPA has organized the site into two operable units (OUs). OU1 is designated as the area of soil and groundwater contamination that is generally within the boundaries of the former Garvey Elevators, Inc. facility property and also known as the source area. The RD study focuses solely on OU1. OU2 is the associated groundwater contaminant plume that extends east-southeast from OU1 approximately 4.5 miles, in the direction of groundwater flow.

The RD field activities and initial data analysis tasks that were conducted are as follows:

- Installation of nested monitoring wells at select locations.
- Installation of telemetry stations at new and existing well locations.
- Performance of aquifer tests using existing groundwater extraction and treatment (GET) system recovery wells.
- Analysis of pumping test data to estimate aquifer properties.

Data gathered from these activities will be used to inform the RD for the site. The June 2010 Interim Record of Decision (ROD) specified that the remedial alternative would be continued operation of the GET system and expansion of the GET system (EPA, 2010). HGL is completing a Remedial Investigation/Feasibility Study (RI/FS) concurrent with the RD tasks. The final RI report was submitted to EPA in April 2011 (HGL, 2011).

This Report describes the field activities conducted by HGL from November 2010 through May 2011 and the subsequent analysis of the data obtained during these field efforts. The monitoring well installation activities and geotechnical soil sample analysis are described in Section 2. Section 3 presents the installation of the telemetry equipment, and programming, performance, and analysis of the pumping tests. Section 4 provides a summary and recommendations.

1.2 BACKGROUND

The former Garvey property (Figure 1.1) contains an active 8-million bushel capacity grain storage facility currently owned and operated by Ag Processing, Inc. (AGP). Garvey owned the

grain storage facility from its construction in 1959 until 2005. Garvey operated the grain storage facility from 1959 until April 1, 1998, at which time a "put through" agreement with AGP became effective. In September 2005, Garvey, AGP, and EPA entered into an Agreement that allowed AGP to purchase the entire 110-acre property (EPA, 2005b). The effective date of deed transfer to AGP was October 7, 2005. AGP currently owns and operates the grain elevator.

The grain storage facility at the Garvey terminal consists of a concrete elevator headhouse and silos, flat storage building, steel grain storage bins, and associated buildings (maintenance shop, office building, and chemical storage shed). Figure 1.2 illustrates the site features. The area surrounding the grain storage facility is rural with a sparse distribution of residential properties north, east and west of the site.

Garvey utilized a liquid mixture of carbon tetrachloride (CCl_4) and carbon disulfide (CS_2) as a grain fumigant from 1959 to 1985. In 1960, Garvey installed a 3,000-gallon, aboveground storage tank (AST) north of the silos to store the liquid fumigant (EPA, 2003). In the mid-1970s, a release of CCl_4 at the ground surface was noted in the area where the trucks drove over the underground piping extending from the AST to the side of the silos (Figure 1.2). The buried portion of this delivery pipe was excavated and found to be broken in two places: one near the AST, and one near the grain elevator (EPA, 2010). The piping was completely replaced at the time. Leaks and drips were reported to have occurred during the operation period of the AST and piping (HGL, 2008). Staining in the area beneath the valve of the AST also was observed. Garvey ceased use of the liquid fumigant in 1985 and the AST and underground piping were removed in 1986 (EPA, 2010).

In July 1994, Garvey notified the Nebraska Department of Environmental Quality (NDEQ) of a release of organic solvents and the presence of groundwater contamination at its grain storage facility (EPA, 2010). The discovery date of the CCl_4 release was June 16, 1994. The discovery occurred during a Phase I Environmental Site Assessment (ESA) when CCl_4 was detected in an on-site water supply well at 199 micrograms per liter (μg/L) (Terracon, 1994). The chronology of subsequent regulatory actions at the site is summarized below:

- In April 1995, Garvey Elevators, Inc. entered the NDEQ Remedial Action Program Monitoring Act (RAPMA) Voluntary Cleanup Program (VCP). While in the VCP, Garvey conducted further site characterization, installed the GET and soil vapor extraction (SVE) systems, and provided alternative drinking water sources to impacted residents.
- In 1997, the city of Hastings notified NDEQ that CCl_4 was detected in municipal well #13 located 1,500 feet northeast of the former Garvey property. The CCl_4 concentration detected in municipal well #13 was 5 μg/L, which is equivalent to the CCl_4 maximum contaminant level (MCL). In November 1997, the city of Hastings took municipal well #13 out of routine service and placed the well on emergency use only status.
- In May 2002, Garvey Elevators refused to sign the NDEQ RAPMA Memorandum of Agreement (MOA). This agreement would have required cleanup of not only the source area, but also the groundwater contaminant plume extending eastward from the grain storage facility (EPA, 2010).
- In October 2002, NDEQ requested assistance from EPA in conducting a removal site evaluation to determine the extent of the groundwater contaminant plume. EPA

recommended to NDEQ that they consider performing a Preliminary Assessment/Site Investigation (PA/SI) under their cooperative agreement with EPA (EPA, 2010). Subsequent to NDEQ's request for assistance from EPA, Garvey was no longer active in the VCP.

- In April 2003, NDEQ conducted a PA/SI of the Garvey Site to assess the threat to human health and the environment and identify the sources of groundwater contamination (TetraTech, 2003).
- On December 9, 2003, NDEQ requested further EPA assistance to provide alternative drinking water supplies to impacted residents, and to perform GET and SVE system evaluations and characterize the contaminated groundwater plume (EPA, 2010).
- On September 14, 2005, the Garvey Elevator Site was placed on the National Priorities List (NPL).
- On September 28, 2005, Garvey Elevators, Inc., AGP, and EPA entered into an agreement to allow proceeds from the sale of the grain elevator to AGP to be used for investigation and site cleanup (EPA, 2005b).
- On October 7, 2005, Garvey Elevators, Inc. signed an Administrative Order on Consent (AOC) with EPA to conduct removal assessments (RAs) and a RI/FS (EPA, 2005a). In the AOC, Garvey agreed to conduct investigation and source area treatment activities at the Garvey Elevator Site. In a separate Agreement with AGP, Garvey Elevators, Inc. placed money into an escrow account to fund response actions at the site.
- On March 27, 2008, Garvey Elevators, Inc., filed Chapter 7 bankruptcy.
- In April 2008, EPA instructed Garvey Elevators, Inc. and its contractors to stop work at the site.
- In May 2008, EPA took over ongoing removal activities, including: providing alternative water supplies to impacted residents; and operation and maintenance (O&M) of the GET and SVE systems.
- In December 2008, EPA initiated a fund-lead RI/FS that includes a human health risk assessment (HHRA) and screening level ecological risk assessment (SLERA).
- In June 2010, EPA published an Interim ROD for Garvey Elevator Site OU1 that addressed soil and groundwater contamination on site. The selected interim remedy included continued operation, and possible expansion, of the existing GET system (EPA, 2010).

A comprehensive discussion of the site history and previous investigations is provided in the April 2011 Final RI report (HGL, 2011).

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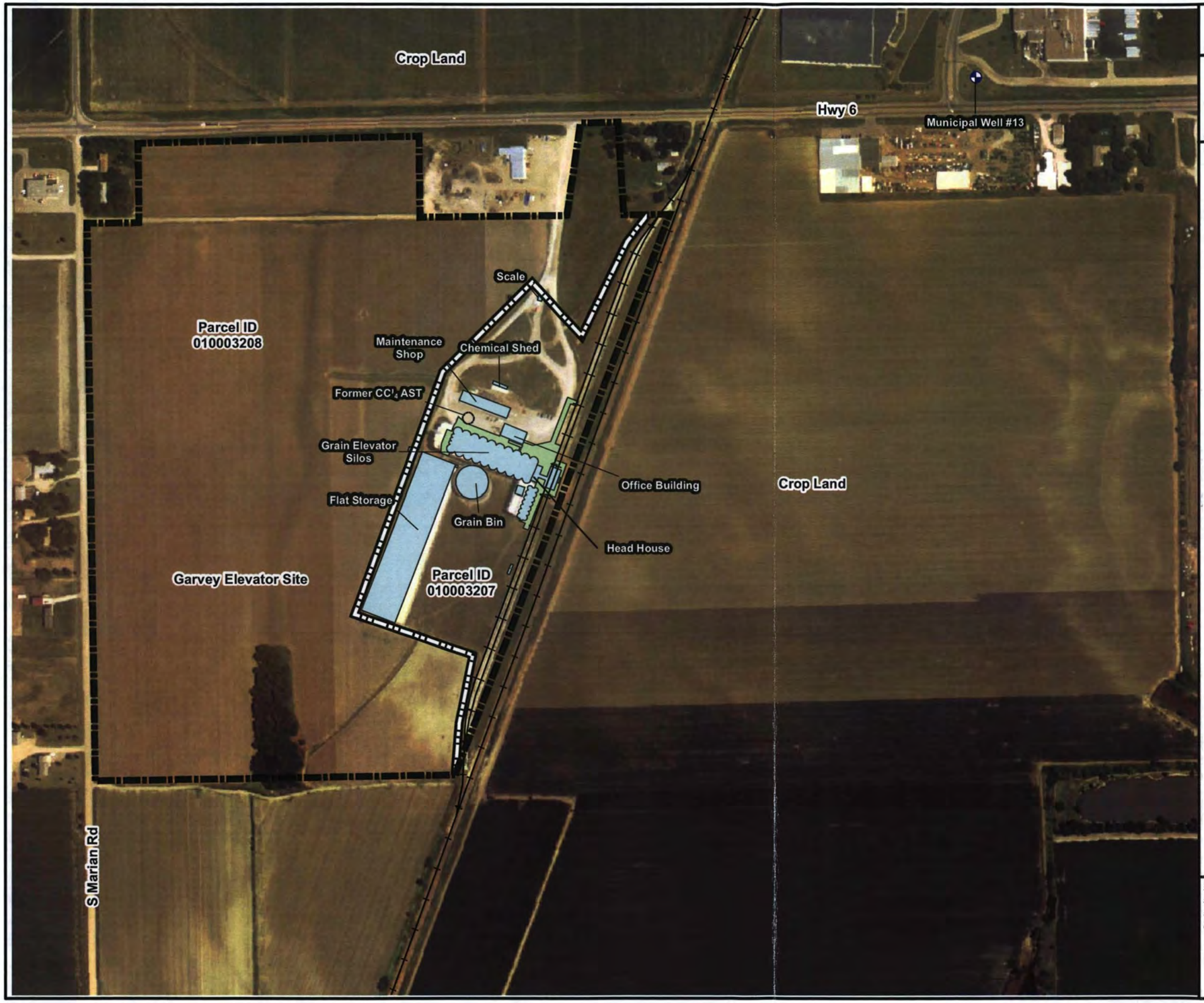
FIGURE(S)

Filename: X:\EPA009\Garvey\RI\Site_Loc_Map.mxd
Project: EP9033.01.46.11
Revised: 06/08/11 ST
Source: ESRI StreetMap USA
Nebraska DNR

HydroGeoLogic, Inc

Figure 1.1
Site Location Map
Garvey Elevator
Superfund Site
Hastings, NE

Figure 1.2
Current Site Map



Legend

- Garvey Property Boundary
- OU1 Boundary
- Concrete Paved Area
- Buildings
- Gravel Road
- Railroad

N

0 200 400 800

Feet

Filename: X:/EPA009/Garvey/RI/SiteMap.mxd
Project: EP0033.01.46.i1
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Source: ENSR GDB 2008, DNR

HydroGeoLogic, Inc

2.0 SUMMARY OF WELL INSTALLATION FIELD ACTIVITIES

Field activities included installation of three nested wells in a single borehole at each of 5 locations. Well installation and development activities were conducted from November 15 to December 14, 2010. Figure 2.1 shows the locations of the new monitoring wells on site. All activities were conducted in accordance with the procedures detailed in the *Final Sampling and Analysis Plan Remedial Design Garvey Elevator Site Hastings, Nebraska (SAP)* dated October 2010 (HGL, 2010), with minor modifications to the planned field activities during the aquifer testing and drilling procedures to accommodate conditions encountered in the field.

2.1 MONITORING WELL INSTALLATION

At each of the five locations, the three monitoring wells generally were installed as follows:

- Base of upper aquifer (B zone) at depths ranging from 126.5 feet below ground surface feet bgs (ft bgs) to 129.3 ft bgs.
- Base of the medial aquifer (C zone) at depths ranging from 146.8 ft bgs to 149.8 ft bgs.
- Upper portion of the lower aquifer (D zone) at depths ranging from 168.1 ft bgs to 170.6 ft bgs.

Monitoring well installation activities are discussed below. Construction details of the new wells are summarized in Table 2.1. Appendix A provides photographic documentation of field activities, including well drilling and installation. Appendix B includes Boring Logs for the new wells; Appendix C contains Monitoring Well Construction Diagrams; Appendix D presents the Nebraska Well Registration Forms; Appendix E includes the Well Development Forms; and Appendix F provides the new well survey data. The drilling subcontractor was Boart-Longyear (BLY) from Little Falls, Minnesota. The surveyor was JEO Consulting Group, Inc. of Wahoo, Nebraska.

It should be noted that the installation of three 2-inch diameter monitoring wells in a 10-inch borehole required a declaratory order for substantially equivalent materials from the Nebraska Department of Health and Human Services (NDHHS) Water Well Standards Program. Permission was granted per a letter dated October 7, 2010, to deviate in this regard from 'Nebraska Administrative Code Title 178, Chapter 12 (NDHHS, 2010).

2.1.1 Drilling

Rotosonic drilling methods were used to drill the monitoring well boreholes. A combination of telescoping override casings and core barrels were used to accomplish this task.

At the first well location (MW-49), BLY drilled the borehole to 95 ft bgs without collecting soil samples. This was accomplished by using the 4-inch core barrel as a jetting tool while advancing the 5.5-inch override casing. Beginning at 95 ft bgs, the material was sampled using the core barrel and logged for lithology. To speed up the drilling process, unsaturated materials above approximately 95 feet bgs were not sampled for lithology. Outside of the source area, sediments above the water table are of minimal concern for the RD. After seating the 5.5-inch override casing in the upper aquitard at 131 ft bgs, an 8-inch override casing was advanced over the 5.5-

inch casing to the same depth to seal off the upper and medial aquifers. Then, the core barrel and 6-inch override casing were advanced to the lower aquitard at approximately 151 ft bgs. However, the 8-inch override casing could not be advanced to this same depth because it was binding against the borehole sidewall due to friction with the subsurface sediments.

BLY then began advancing the 9-inch override casing using a light drilling mud to coat the borehole sidewall above the water table between 65 ft to 105 ft bgs to reduce friction. The 8-inch casing then became unbound and both override casings were advanced and seated in the lower aquitard at 151 ft bgs. The core barrel and 6-inch override casing were then advanced, and the lithology logged, to the final depth of 170 ft bgs.

Because of the problems in advancing the larger override casings at MW-49, the drilling procedures were modified for the other four well locations. BLY drilled the 9-inch override casing to about 35 ft bgs, then used a 6-inch core barrel to remove material directly into a drum for disposal while alternately advanced the 9-inch casing to approximately 95 ft bgs. Beginning at approximately 95 ft bgs, the soil cores were retained for lithologic logging.

At the upper aquitard about 129 ft bgs to 133 ft bgs, the 9-inch casing was seated temporarily. BLY then began using the 4-inch core barrel and the 5.5-inch override casing. This drill string was advanced to the lower aquitard around 149 ft bgs to 154 ft bgs. Next, the 9-inch override casing was seated in the lower aquitard before the smaller core barrel and override casing were advanced to the final depth of the borehole around 170 ft bgs.

2.1.2 Well Installation

The fifteen monitoring wells were constructed using 2-inch schedule 80 polyvinyl chloride (PVC) casing and 10 feet of PVC 0.010-inch milled slot screen. At each of the five locations, the D-zone well was installed inside the 5.5-inch override casing, which creates an approximately 6-inch diameter borehole. The subsequently higher C-zone and B-zone monitoring wells were installed within the 9-inch override casing, which creates an approximately 10-inch diameter borehole. Appendix C contains Monitoring Well Construction Diagrams.

The #16/#30 gradation filter pack sand was brought up to approximately 3 feet above the top of each screen as the respective override casing was slowly vibrated from the borehole. A bentonite chip seal was installed above each of the filter packs to seal the borehole between the three screened zones. The seals between the D-well and C-well were subsequently overlain with filter or nature sand before installing the next higher well screen to prevent bentonite chips from contacting the screen bottoms.

After the D-well filter pack and seal was installed at location, the 5.5-inch override casing was completely withdrawn from the borehole. This was possible because before beginning well installation, the depth of 9-inch override casing was adjusted in each borehole to coincide with the planned top of the D-well seal. This allowed for complete removal of the 5.5-inch casing while retaining borehole stability using the 9-inch override casing, in which the C-well and B-wells were installed.

After the seal was installed above the B-well filter pack, high-solids bentonite grout was tremied into the annular space from approximately 108 ft bgs to the ground surface. All of the wells were finished at the surface with an approximately 2.5-foot stick up completion in concrete. The square concrete pads measure approximately 3 foot on a side and 8 inches thick. The steel protective casings over the well risers are 11 inches in diameter.

2.1.3 Well Development

The monitoring wells were developed by alternately surging and pumping the well screen throughout its length. The surge block was fastened to semi-rigid polyethylene tubing and was operated manually. A submersible pump was used for the medial and deep aquifer wells. An inertial pump was employed in the B-zone wells, because they could not sustain the approximately 2 gallons per minute (gpm) flow rate of the submersible pump. An inertial pump also was used in select wells in the other two aquifers early in development to prevent damage to the submersible pumps if the sediment load was high.

Surging, followed by purging, continued until periodic measurements of pH, specific conductance, temperature, and turbidity had stabilized. As detailed in the site-specific SAP, parameters were considered stable when the readings were consistent within 10 percent for four consecutive readings and the water was clear and free of fines (turbidity less than 50 nephelometric turbidity units [NTUs]). Appendix E provides the well development forms.

2.1.4 Surveying

The horizontal locations, ground surface elevations, and top of casing elevations were surveyed after the wells were installed and the stickup casing cut to its final height. Each nested well encapsulated in the protective casing was surveyed separately for top of casing elevation. The reference point was marked on the transducer anchor caps of each well casing. Table 2.1 includes the elevations of the wells, and Appendix F provides the complete survey data.

All horizontal data was reported in North American Datum (NAD) 83 coordinates, and all vertical data will be referenced to North American Vertical Datum (NAVD) 88. Horizontal accuracy was within ± 0.1 foot; vertical accuracy was within ± 0.01 foot.

2.2 GEOTECHNICAL SOIL SAMPLING AND RESULTS

Samples were collected from select monitoring well borings during the drilling operation for geotechnical analysis. Tables 2.2 and 2.3 provide a summary of results for the geotechnical samples, and complete geotechnical laboratory results are provided Appendix G.

Table 2.2 displays the analytical results of grain size distribution, moisture content, unit weight, constant head and falling head permeameter testing, and the porosity calculations. ASTM International (ASTM) methods were used for all analyses. The five geotechnical samples were collected from each of the three aquifer zones and the upper and lower aquitards separating the

aquifers. All of the aquifer zone samples were collected from depth intervals that were screened during well construction.

The hydraulic conductivity (K) measurements for aquifer zone samples were made using the constant head test method. The falling head test method was used for the two aquitard samples. The results of the K measurements are presented on Table 2.2. K values for the aquifer samples ranged from 46.2 ft per day (ft/day) for the lower aquifer to 58.7 ft/day for the medial aquifer. The K values were all within the range of typical sand to silty sand aquifers (Freeze and Cherry, 1979). The measured K values for the upper and lower aquitards were 0.000028 ft/day to 0.000034 ft/day. These values are typical for clay and silt (Freeze and Cherry, 1979).

Estimated K values were calculated using nine estimation methods that are based on grain size. The methods used were:

- Hazen Method,
- Slichter Method,
- Terzaghi Method,
- Beyer Method,
- Sauerbrei Method,
- Kruger Method,
- Kozeny Method,
- Zunker Method, and
- USBR Method.

The estimated K values calculated using these nine methods are shown on Table 2.3 and the calculations are included in Appendix L. The average K (of applicable methods) values for each aquifer using the estimation methods in Table 2.3 were similar to the K values in Table 2.2 from the analysis at the geotechnical laboratory. However, the estimation method average K values for the aquitards were two to three orders of magnitude higher than from the geotechnical laboratory. The likely reason for this discrepancy is that the two marginally applicable methods, Sauerbrei and Zunker, are for fine/medium sands and sand/sandy clay, respectively. The two aquitard samples were both over 50 percent silt and clay. It is apparent that these two methods are not actually valid for analysis of the aquitard samples.

Three samples, one from each aquifer zone, were tested using ASTM method D4253/D4254 for maximum and minimum index density using a vibratory table. Table 2.4 presents those results.

2.3 HYDROGEOLOGY

2.3.1 Regional Characteristics

Hastings is located in the Little Blue River Natural Resource District (Steele and Wigley, 1992). Depth to groundwater in the Hastings area is typically about 100 ft bgs with localized zones of perched groundwater that can occur as shallow as 7 to 10 ft bgs (Layne, 1997). The regional groundwater flow generally follows the direction of the Little Blue River toward the east to southeast (NDEC, 1980).

The principal aquifer for the Hastings area is the Pleistocene aquifer, which is typically 100 to 150 feet thick (NDEC, 1980). The Pleistocene aquifer is composed of unconsolidated sand and gravel that extends from about 100 feet bgs to the top of the Niobrara Formation which is about 233 ft bgs (HGL, 2009).

2.3.2 Site-Specific Characteristics

This discussion of the hydrogeology of the Garvey Elevator site is limited to the hydrogeology of on-site OU1. The RI report provides a comprehensive hydrogeologic description both on-site and downgradient off-site (HGL, 2011). Figure 2.2 provides a generalized stratigraphic column based on well logs from the site.

Groundwater levels throughout OU1 were measured on March 22, 2011, during a quarterly groundwater monitoring event. The depth to groundwater ranged from 107.85 ft below top of casing (ft btoc) to 125.71 ft btoc. Based on the system log, groundwater water recovery wells RW-1, RW-6, and RW-8 were operational intermittently throughout the day the water level measurements were collected. Table 2.5 provides current and historical groundwater depths and elevations. Table 2.6 provides well construction details for the eight recovery wells.

In the upper unconfined aquifer, groundwater elevations ranged from 1817.51 ft above mean sea level (amsl) at MW-8A on the western perimeter of the site to 1811.15 ft amsl in MW-49B located 19 feet northwest of RW-2 situated in the central portion of the site. Figure 2.3 provides a potentiometric map of the upper aquifer based on measurements collected in March 2011. Groundwater flow across the site is generally from the northwest to the southeast beneath the site property. The influence of the five GET system recovery wells completed in the upper aquifer can be seen in the water table depression centered on MW-49B and RW-2, and stretching along a line between upper aquifer recovery wells RW-3 to RW-4.

In the medial aquifer, ground elevations ranged from 1811.84 ft amsl in MW-50C located 65.5 feet west of RW-7 in the east central portion of the site, to 1813.72 ft amsl in MW-31C. MW-31C is located on the Walter property south of the silos. Figure 2.4 illustrates the potentiometric map for the medial aquifer. As with the upper aquifer, groundwater flow in the medial aquifer also is to the southeast. The area of depressed water level elevations in the east-central portion of the site shows the influence of medial recovery wells RW-6, RW-7, and RW-8. This area is an artifact of the medial monitoring wells situated close to RW-6 and RW-7. If a medial aquifer monitoring well was installed adjacent to RW-8, it too would likely show a depressed groundwater elevation due to groundwater extraction.

Figure 2.5 shows the lower aquifer potentiometric surface. Groundwater flow is to the east-southeast. A deflection of the 1813 ft amsl contour westward toward MW-47D, MW-49D, MW-50D may indicate a slight influence on the lower aquifer from pumping the GET system wells in the upper and medial aquifers.

Geologic cross sections incorporating the lithologic information and screened intervals from the five new monitoring well sets, and the existing recovery wells were constructed. Historical boring

logs from potentially responsible party (PRP) investigations also were used for existing monitoring wells (ENSR/AECOM, 2007; HWS, 1995). Figure 2.1 shows the cross section lines. Figures 2.5 and 2.6 illustrate the geological cross sections.

The northwest to east cross section A-A´ illustrated on Figure 2.6 extends through new wells MW-49B/C/D, MW-50C/D/E, and MW-51B/C/D. Figure 2.7 shows the south to north cross section B-B´ that is drawn through new wells MW-47B/C/D, MW-48B/C/D, and MW-49B/C/D. No significant changes to the existing geological conceptual site model (CSM) were identified. As expected, the upper and lower aquitards separating the three aquifers were observed at all five new well locations. However, at MW-50C the lower aquitard thins significantly to a thickness of about 1 ft. This is consistent with the CSM because it is well understood that hydrogeology at the site is heterogeneous and aquitard thicknesses vary across the site.

TABLE(S)

Table 2.1
New Well Construction Details
Garvey Elevator Site
Hastings, NE

Well Identification[1]		Date Installed	Borehole Total Depth (ft bgs)	Top of Screen[2] (ft bgs)	Bottom of Screen (ft bgs)	Top of Artificial Filter Pack[3] (ft bgs)	Top of Bentonite Seal[4] [5] (ft bgs)	Well Depth (ft btoc)	Ground Elevation (ft amsl)	Top of Casing Elevation (ft amsl)	Total Depth (ft amsl)	Top of Screen Elevation (ft amsl)	Transducer Depth (ft btoc)	Transducer Elevation (ft amsl)
MW-47	B	12/9/10	170.5	119.3	129.3	115	108.5	131.70	1929.95	1932.09	1800.39	1810.39	126.34	1805.75
	C	12/9/10		139	149	136.5	130.75	151.29	1929.95	1932.09	1780.80	1790.80	135.37	1796.72
	D	12/9/10		160	170	157	151	172.53	1929.95	1932.10	1759.57	1769.57	135.38	1796.72
MW-48	B	12/1/10	171	117.32	127.32	113.5	108.5	129.30	1928.87	1931.05	1801.75	1811.75	124.93	1806.12
	C	12/2/10		139.8	149.8	137	129.5	152.29	1928.87	1931.03	1778.74	1788.74	135.42	1795.61
	D	12/2/10		160	170	157	152	172.31	1928.87	1931.05	1758.74	1768.74	135.47	1795.58
MW-49	B	11/17/10	171	118.1	128.1	113	108	130.51	1929.34	1931.46	1800.95	1810.95	125.46	1806.00
	C	11/18/10		139	149	136	130	151.41	1929.34	1931.47	1780.06	1790.06	135.51	1795.96
	D	11/18/10		160.6	170.6	157.5	151	172.98	1929.34	1931.46	1758.48	1768.48	135.48	1795.98
MW-50	B	11/21/10	170	116.9	126.9	113.5	107	129.40	1929.25	1931.51	1802.11	1812.11	126.46	1805.05
	C	11/21/10		136.8	146.8	133.5	129	149.88	1929.25	1931.54	1781.66	1791.66	135.36	1796.18
	D	11/21/10		158.1	168.1	155	149	170.34	1929.25	1931.46	1761.12	1771.12	135.44	1796.02
MW-51	B	12/5/10	170.5	116.5	126.5	111.5	106	128.72	1929.43	1931.60	1802.88	1812.88	124.96	1806.64
	C	12/6/10		139.5	149.5	135	129	151.65	1929.43	1931.62	1779.97	1789.97	135.37	1796.25
	D	12/6/10		160	170	157.5	151.5	172.35	1929.43	1931.62	1759.27	1769.27	135.40	1796.22

Notes:

[1] At each of the five locations (MW-47 to MW-51) three individual wells are installed in a single 10-inch diameter borehole. The wells at each location are installed at the base of the upper aquifer (B-well), the medial aquifer (C-well), and near the top of the lower aquifer (D-well).

[2] All casing and screens are 2-inch Schedule 80 PVC; the 10-foot screens have 0.010 inch slots.

[3] Artificial filter pack is 16/30 mesh sand; approximately 0.5 foot of a fine sand was placed on top of the filter sand.

[4] High-solids bentonite grout was emplaced from the top of the uppermost bentonite seal to the ground surface.

[5] To prevent contact between well screen and bentonite seal an approximately 2-foot buffer of filter pack sand was installed on top of the bentonite seals above the D-well and C-well before installing the C-well and B-well, respectively. It was not necessary to top the B-well bentonite seal with sand because a well was not installed above it.

amsl = above mean sea level
bgs = below ground surface
btoc = below top of casing
ft = feet

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Table 2.2
Geotechnical Results
Garvey Elevator Site
Hastings, NE

Aquifer Zones	Sample Location	Sample Identification	Sample Date	Sample Time	Sample Depth (ft bgs)	Description	USCS	Natural Moisture (%)	Dry Unit Weight (pcf)	% Passing #200 Sieve	Porosity	Specific Gravity	d_{10} (mm)	Hydraulic Conductivity (ft/day)*
Upper Aquifer (Zone B)	MW-49	MW-49: 125-127.5	11/16/2010	0940	125-127.5	Light brown poorly graded sand	SP	14.0	101.8	4.9	0.39	2.66	0.160	48.5
Upper Aquitard	MW-50	MW-50: 128.5-130.5	11/20/2010	1500	128.5-130.5	Light brown silt	ML	17.2	117.5	88.5	0.30	2.68	NA	3.4E-05
Medial Aquifer	MW-50	MW-50: 145.5-147.5	11/20/2010	1620	145.5-147.5	Poorly graded sand with gravel	SP-SM	8.6	110.1	5.2	0.33	2.64	0.227	58.7
Lower Aquitard	MW-48	MW-48: 151-154	12/1/2010	1130	151-154	Brown sandy silt	ML	16.1	113.8	51.2	0.32	2.67	NA	2.8E-05
Lower Aquifer	MW-48	MW-48: 160-162	12/1/2010	1510	160-162	Poorly graded sand	SP	16.3	102.7	2.9	0.38	2.65	0.152	46.2

Notes:

Analysis conducted by Alpha-Omega Geotech, Inc.

Dry Unit weight determined by ASTM Method D2937.

Gravimetric moisture determined by ASTM Method D2216.

Specific Gravity determined by ASTM Method D854.

Hydraulic Conductivity determined by ASTM Method D2434 for granular soils and ASTM Method D5084 for clayey soils.

d_{10} is the grain size diameter at which 10 percent by weight of the soil particles are finer and 90 percent are coarser.

ft bgs - feet below ground surface

ft/day - feet per day

* The geotechnical laboratory reported the values in centimeters per second, which was converted to ft/day.

USCS - Unified Soil Classification System

pcf - lbs per cubic foot

mm - millimeters

ML - Very fine sand, silt, clayey silt

NA - Not available

SM - silty sand, sand silt mixture

SP - poorly graded sand, gravelly sand

% - percent

Table 2.3
Estimated Hydraulic Conductivities
Garvey Elevator Site
Hastings, NE

Aquifer Zone	Upper Aquifer		Upper Aquitard		Medial Aquifer		Lower Aquitard		Lower Aquifer	
Sample Location	MW-49	App.	MW-50*	App.	MW-50	App.	MW-48*	App.	MW-48	App.
Depth Interval (feet bgs)	125-127.5		128.5-130.5		145.5-147.5		151-154		160-162	
Method	Hydraulic Conductivity (cm/s)									
Hazen	3.02E-02	Y	1.86E-05	N	4.30E-02	N	7.53E-06	N	2.61E-02	Y
Slichter	9.90E-03	Y	4.23E-06	N	1.10E-02	Y	1.85E-06	N	8.20E-03	Y
Terzaghi	1.73E-02	N	6.82E-06	N	1.85E-02	N	3.08E-06	N	1.43E-02	N
Beyer	2.89E-02	Y	2.60E-05	N	4.78E-02	Y	5.29E-06	N	2.76E-02	Y
Sauerbrei	2.54E-02	Y	7.40E-06	Y	2.93E-02	Y	6.11E-06	Y	1.59E-02	Y
Kruegerr	3.37E-03	N	4.27E-05	N	4.53E-03	Y	1.01E-04	N	2.57E-03	N
Kozeny	7.74E-02	N	2.35E-05	N	4.55E-02	N	9.09E-07	N	6.24E-02	N
Zunker	3.19E-02	Y	3.23E-05	Y	2.63E-02	Y	5.59E-07	Y	2.55E-02	Y
USBR	1.71E-02	Y	4.80E-06	N	4.75E-02	N	3.87E-06	N	9.88E-03	Y
Parameters										
relative grain size	medium		fine		medium		fine		medium	
D_{10}	0.160		0.0051		0.227		0.0030		0.152	
D_{60}	0.482		0.061		1.270		0.121		0.353	
$C_u = D_{60}/D_{10}$	3.013		11.863		5.595		40.333		2.322	
Statistics (cm/sec)										
Average (All)	2.68E-02		1.85E-05		3.04E-02		1.45E-05		2.14E-02	
Geomean (All)	2.01E-02		1.36E-05		2.45E-02		4.02E-06		1.56E-02	
Average (App.)	2.39E-02		1.99E-05		2.38E-02		3.33E-06		1.89E-02	
Geomean (App.)	2.22E-02		1.55E-05		1.79E-02		1.85E-06		1.69E-02	
Statistics (ft/day)										
Average (All)	76.1		0.052		86.1		0.041		60.6	
Geomean (All)	57.0		0.039		69.4		0.011		44.2	
Average (App.)	67.7		0.056		67.4		0.009		53.5	
Geomean (App.)	62.9		0.044		50.7		0.005		48.0	

Notes:

App. = Method is Applicable to sample Y (yes) or N (no).

C_u = Coeffiecent of Uniformity [D_{60}/D_{10}]

D_{10} = Grain size diameter at which 10 percent by weight are finer and 90 percent are coarser. Effective Grain Size (de) for Hazen, Slichter, Terzaghi, and Beyer Methods.

D_{60} = Grain size diameter at which 60% by weight are finer and 40% are coarser.

* D_{10} taken from EasySolve Software Calculation

cm/sec = centimeters per second

ft/day = feet per day

cm/sec = 2834.645669 ft/day

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Table 2.4
Index Density Geotechnical Results
Garvey Elevator Site
Hastings, NE

Aquifer Zones	Sample Location	Sample Identification	Sample Date	Sample Time	Sample Depth (ft bgs)	Maximum Density (Wet Method)		Maximum Density (Dry Method) (pcf)	Minimum Density (Dry Method) (pcf)
						Wet Density (pcf)	Dry Density (pcf)		
Upper Aquifer (Zone B)	MW-49	MW-49: 119-125	11/16/2010	0940	119-125	133.3	120	116.8	98.9
Medial Aquifer	MW-50	MW-50: 141-145.5	11/20/2010	1620	141-145.5	131.6	118.7	123.2	102.5
Lower Aquifer	MW-48	MW-48: 162-166	12/1/2010	1510	162-166	134.2	123.5	120.0	102.7

Notes:
Analysis conducted by Geotechnology, Inc.
Densities determined using using the vibratory table method ASTM D4253/D4254
ft bgs - feet below ground surface
pcf - lbs per cubic foot

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Table 2.5
Monitoring Well Water Levels and Elevations
Garvey Elevator Site
Hastings, NE

Site	Well ID	TOC Elevation (ft amsl)	Ground Surface Elevation (ft amsl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	Top of Screen Elevation (ft amsl)	Bottom of Screen Elevation (ft amsl)	Depth to Water (ft btoc)								Water Level Elevation (ft amsl)							
								Aug-08	Apr-09	Jun-09	Jun-10	Sep-10	Dec-10	Mar-11	Apr-11	Aug-08	Apr-09	Jun-09	Jun-10	Sep-10	Dec-10	Mar-11	Apr-11
OU1	MW-1A	1927.08	1925.80	102	117	1823.80	1808.80	112.58	112.00	111.63	111.73	112.66	112.33	111.73	NR	1814.50	1815.08	1815.45	1815.35	1814.42	1814.75	1815.35	NR
OU1	MW-2A	1930.22	1927.33	103	118	1824.33	1809.33	116.64	115.47	115.09	115.21	116.11	115.59	115.11	NR	1813.58	1814.75	1815.13	1815.01	1814.11	1814.63	1815.11	NR
OU1	MW-3A	1934.27	1930.99	108	123	1822.99	1807.99	121.45	121.37	121.26	121.14	122.17	121.35	120.85	NR	1812.82	1812.90	1813.01	1813.13	1812.10	1812.92	1813.42	NR
OU1	MW-3B	1932.75	1931.07	130.6	135.5	1800.47	1797.57	120.4	119.48	119.19	119.69	120.71	120.05	119.82	NR	1812.35	1813.27	1813.56	1813.06	1812.04	1812.70	1812.93	NR
OU1	MW-3D	1933.37	1931.46	171	176	1760.46	1755.46	121.22	119.62	119.28	119.53	120.59	119.96	120.10	NR	1812.15	1813.75	1814.09	1813.84	1812.78	1813.41	1813.27	NR
OU1	MW-3E	1932.25	1930.99	233.4	238.4	1697.59	1692.59	120.12	118.50	118.19	118.44	119.47	118.86	119.00	NR	1812.13	1813.75	1814.06	1813.81	1812.78	1813.39	1813.25	NR
OU1	MW-4A	1931.60	1931.84	108.5	123.5	1823.34	1808.34	118.24	118.68	118.86	118.21	119.34	118.93	118.44	NR	1813.36	1812.92	1812.74	1813.39	1812.26	1812.67	1813.16	NR
OU1	MW-4B	1931.38	1931.70	127	132	1804.70	1799.70	118.05	119.50	118.66	118.31	119.31	118.74	118.29	NR	1813.33	1811.88	1812.72	1813.07	1812.07	1812.64	1813.09	NR
OU1	MW-5A	1930.26	1930.06	107.5	122.5	1822.56	1807.56	117.22	117.02	117.14	116.87	117.94	117.54	117.03	NR	1813.04	1813.24	1813.12	1813.39	1812.32	1812.72	1813.23	NR
OU1	MW-5B	1931.72	1930.12	129	132	1801.12	1798.12	118.38	118.13	118.27	117.97	119.02	118.64	118.13	NR	1813.34	1813.59	1813.45	1813.75	1812.70	1813.08	1813.59	NR
OU1	MW-5D	1931.87	1929.85	162	167	1767.85	1762.85	119.93	118.23	117.90	118.16	119.20	118.61	118.36	NR	1811.94	1813.64	1813.97	1813.71	1812.67	1813.26	1813.51	NR
OU1	MW-6A	1931.99	1929.48	107.5	122.5	1821.98	1806.98	118.82	118.17	117.72	117.80	118.49	118.19	117.70	NR	1813.17	1813.82	1814.27	1814.19	1813.50	1813.80	1814.29	NR
OU1	MW-6D	1931.14	1929.46	163.5	173.5	1765.96	1755.96	119.61	118.00	117.69	117.92	118.95	118.32	118.73	NR	1811.53	1813.14	1813.45	1813.22	1812.19	1812.82	1812.41	NR
OU1	MW-6E	1932.13	1929.65	225	235	1704.65	1694.65	120.56	118.92	118.64	118.85	119.89	119.25	119.66	NR	1811.57	1813.21	1813.49	1813.28	1812.24	1812.88	1812.47	NR
OU1	MW-7A	1923.22	1920.92	98	113	1822.92	1807.92	110.13	108.10	107.75	108.11	109.20	108.49	107.85	NR	1813.09	1815.12	1815.47	1815.11	1814.02	1814.73	1815.37	NR
OU1	MW-7B	1923.84	1920.89	130	135	1790.89	1785.89	110.72	108.76	108.41	108.78	109.85	109.16	108.46	NR	1813.12	1815.08	1815.43	1815.06	1813.99	1814.68	1815.38	NR
OU1	MW-8A	1943.22	1940.80	114.5	129.5	1826.30	1811.30	127.05	125.91	125.55	125.82	126.29	126.02	125.71	NR	1816.17	1817.31	1817.67	1817.40	1816.93	1817.20	1817.51	NR
OU1	MW-9A	1928.03	1925.40	101.3	116.3	1824.10	1809.10	112.34	111.55	111.16	111.43	111.60	111.42	110.96	NR	1815.69	1816.48	1816.87	1816.60	1816.43	1816.61	1817.07	NR
OU2	MW-10A	1923.48	1923.81	101.8	116.8	1822.01	1807.01	109.7	109.00	108.83	108.71	108.81	108.58	108.39	NR	1813.78	1814.48	1814.65	1814.77	1814.67	1814.90	1815.09	NR
OU2	MW-10B	1923.35	1923.70	120	125	1803.70	1798.70	111.08	109.92	109.75	109.68	110.37	109.95	110.00	NR	1812.27	1813.43	1813.60	1813.67	1812.98	1813.40	1813.35	NR
OU2	MW-11A	1911.84	1912.28	91	106	1821.28	1806.28	NR	99.08	99.06	98.05	97.89	98.36	98.61	NR	NR	1812.76	1812.78	1813.79	1813.95	1813.48	1813.23	NR
OU2	MW-12A	1919.65	1917.13	102.4	117.4	1814.73	1799.73	113.46	112.96	112.75	113.05	113.18	112.99	112.82	NR	1806.19	1806.69	1806.90	1806.60	1806.47	1806.66	1806.83	NR
OU2	MW-12C	1919.64	1916.68	150	160	1766.68	1756.68	115.28	113.92	113.70	113.89	114.84	114.25	113.87	NR	1804.36	1805.72	1805.94	1805.75	1804.80	1805.39	1805.77	NR
OU2	MW-12D	1918.89	1916.98	167	177	1749.98	1739.98	NA	NA	NA	113.11	114.06	113.44	112.09	NR	NA	NA	NA	1805.78	1804.83	1805.45	1806.80	NR
OU1	MW-13C	1929.65	1928.74	133	135.5	1795.74	1793.24	118.28	117.02	116.95	118.07	119.06	116.89	117.75	NR	1811.37	1812.63	1812.70	1811.58	1810.59	1812.76	1811.90	NR
OU1	MW-13E	1930.43	1928.89	230.8	235.8	1698.09	1693.09	118.84	117.28	117.00	117.30	118.35	117.53	117.62	NR	1811.59	1813.15	1813.43	1813.13	1812.08	1812.90	1812.81	NR
OU2	MW-14A	1911.69	1909.56	91	106	1818.56	1803.56	102.29	NR	101.75	101.82	101.42	101.30	101.23	NR	1809.40	NR	1809.94	1809.87	1810.27	1810.39	1810.46	NR
OU2	MW-16A	1914.94	1915.45	100	115	1815.45	1800.45	NR	NR	NR	108.60	109.86	108.91	108.22	NR	NR	NR	NR	1806.34	1805.08	1806.03	1806.72	NR
OU2	MW-16C	1915.08	1915.47	140.2	155.2	1775.27	1760.27	NR	NR	NR	108.72	110.07	109.18	108.45	NR	NR	NR	NR	1806.36	1805.01	1805.90	1806.63	NR
OU2	MW-17A	1903.70	1901.85	84.5	104.5	1817.35	1797.35	95.85	94.36	93.89	94.12	95.38	94.55	93.89	NR	1807.85	1809.34	1809.81	1809.58	1808.32	1809.15	1809.81	NR
OU2	MW-17C	1902.91	1901.67	130	140	1771.67	1761.67	95.21	93.56	93.33	93.62	94.83	94.02	93.40	NR	1807.70	1809.35	1809.58	1809.29	1808.08	1808.89	1809.51	NR
OU2	MW-17D	1902.93	1901.73	190	192.5	1711.73	1709.23	95.23	93.55	93.32	93.59	94.82	93.96	93.39	NR	1807.70	1809.38	1809.61	1809.34	1808.11	1808.97	1809.54	NR
OU2	MW-18A	1912.89	1910.64	97	112	1813.64	1798.64	105.17	106.22	105.91	106.82	107.26	107.33	106.86	NR	1807.72	1806.67	1806.98	1806.07	1805.63	1805.56	1806.03	NR
OU2	MW-18C	1913.09	1910.53	135	140	1775.53	1770.53	110.29	108.78	108.61	108.89	110.89	109.31	108.64	NR	1802.80	1804.31	1804.48	1804.20	1802.20	1803.78	1804.45	NR
OU2	MW-18D	1913.32	1910.61	188	193	1722.61	1717.61	110.47	108.96	108.80	109.07	110.37	109.49	108.88	NR	1802.85	1804.36	1804.52	1804.25	1802.95	1803.83	1804.44	NR
OU1	MW-19A	1929.19	1927.81	127	132	1800.81	1795.81		116.49	116.05	116.08	117.05	116.49	116.23	NR	NR	1812.70	1813.14	1813.11	1812.14	1812.70	1813.66	NR
OU1	MW-19C			152	162	1775.81	1765.81		117.02	116.69	116.90	117.93	117.02	117.49	NR	NR	1812.18	1812.50	1812.30	1811.26	1812.18	1812.41	NR
OU1	MW-20A	1929.21	1927.97	127	132	1800.97	1795.97	123.72	116.64	116.76	117.34	118.39	116.64	117.37	NR	1805.49	1812.56	1812.45	1811.87	1810.82	1812.56	1812.56	NR
OU1	MW-20C			152	162	1775.97	1765.97	118.38	116.86	116.82	117.11	119.07	116.86	119.80	NR	1810.83	1812.35	1812.39	1812.10	1810.14	1812.35	1810.13	NR
OU1	MW-20D			182	192	1745.97	1735.97	118.31	116.58	116.67	116.82	118.03	116.58	117.42	NR	1810.90	1812.62	1812.54	1812.39	1811.18	1812.62	1812.51	NR
OU1	MW-20E			222	232	1705.97	1695.97	118.66	117.12	117.07	117.38	118.40	117.12	117.81	NR	1810.55	1812.09	1812.14	1811.83	1810.81	1812.09	1812.12	NR

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Table 2.5
Monitoring Well Water Levels and Elevations
Garvey Elevator Site
Hastings, NE

Site	Well ID	TOC Elevation (ft amsl)	Ground Surface Elevation (ft amsl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	Top of Screen Elevation (ft amsl)	Bottom of Screen Elevation (ft amsl)	Depth to Water (ft btoc)								Water Level Elevation (ft amsl)							
								Aug-08	Apr-09	Jun-09	Jun-10	Sep-10	Dec-10	Mar-11	Apr-11	Aug-08	Apr-09	Jun-09	Jun-10	Sep-10	Dec-10	Mar-11	Apr-11
OU1	MW-30A	1930.28	1929.03	127	132	1802.03	1797.03		118.13	117.97	117.97	119.20	118.13	118.04	NR	NR	1812.16	1812.31	1812.32	1811.08	1812.16	1812.95	NR
OU1	MW-30C			152	162	1777.03	1767.03	119.64	117.70	117.63	117.97	118.99	117.70	118.13	NR	1810.64	1812.58	1812.65	1812.31	1811.29	1812.58	1812.85	NR
OU1	MW-30D			182	192	1747.03	1737.03	119.60	117.87	117.72	118.07	119.15	117.87	118.32	NR	1810.68	1812.42	1812.56	1812.22	1811.13	1812.42	1812.66	NR
OU1	MW-30E			222	232	1707.03	1697.03	120.07	118.48	118.28	118.60	119.65	118.48	118.85	NR	1810.22	1811.81	1812.00	1811.68	1810.63	1811.81	1812.13	NR
OU1	MW-31A	1931.63	1930.08	127	132	1803.08	1798.08	121.07	118.53	118.30	118.62	119.71	118.53	118.37	NR	1810.55	1813.09	1813.33	1813.00	1811.92	1813.09	1813.97	NR
OU1	MW-31C			152	162	1778.08	1768.08	120.86	118.48	118.48	118.63	119.71	118.48	118.63	NR	1810.77	1813.14	1813.15	1813.00	1811.92	1813.14	1813.72	NR
OU2	MW-41D1	1917.19	1915.24	160	170	1755.24	1745.24	NA	NA	NA	119.97	121.49	120.36	119.53	NR	NA	NA	NA	1797.22	1795.70	1796.83	1797.66	NR
OU2	MW-41D2	1916.96	1914.99	195	205	1719.99	1709.99	NA	NA	NA	119.63	121.24	120.12	119.29	NR	NA	NA	NA	1797.33	1795.72	1796.84	1797.67	NR
OU2	MW-42D	1904.03	1902.07	174	184	1728.07	1718.07	NA	NA	NA	121.11	123.16	121.72	120.85	NR	NA	NA	NA	1782.92	1780.87	1782.31	1783.18	NR
OU2	MW-42E	1904.13	1902.23	204	204	1698.23	1698.23	NA	NA	NA	121.14	123.28	121.86	120.97	NR	NA	NA	NA	1782.99	1780.85	1782.27	1783.16	NR
OU2	MW-43D	1910.30	1908.35	180	190	1728.35	1718.35	NA	NA	NA	125.96	128.10	126.49	125.56	NR	NA	NA	NA	1784.34	1782.20	1783.81	1784.74	NR
OU2	MW-43E	1910.34	1908.45	210	220	1698.45	1688.45	NA	NA	NA	125.86	127.98	126.45	125.49	NR	NA	NA	NA	1784.48	1782.36	1783.89	1784.85	NR
OU2	MW-44D	1885.05	1885.30	183	193	1702.30	1692.30	NA	NA	NA	109.77	111.71	110.58	109.74	NR	NA	NA	NA	1775.28	1773.34	1774.47	1775.31	NR
OU2	MW-44E	1885.05	1885.30	203	213	1682.30	1672.30	NA	NA	NA	109.86	111.74	110.57	109.76	NR	NA	NA	NA	1775.19	1773.31	1774.48	1775.29	NR
OU2	MW-45C	1911.75	1909.82	137	147	1772.82	1762.82	NA	NA	NA	102.82	103.88	103.17	102.86	NR	NA	NA	NA	1808.93	1807.87	1808.58	1808.89	NR
OU2	MW-45D	1911.38	1909.46	159	169	1750.46	1740.46	NA	NA	NA	102.39	103.52	102.80	102.53	NR	NA	NA	NA	1808.99	1807.86	1808.58	1808.85	NR
OU2	MW-46D1	1912.85	1910.97	156	166	1754.97	1744.97	NA	NA	NA	114.59	116.00	114.92	114.23	NR	NA	NA	NA	1798.26	1796.85	1797.93	1798.62	NR
OU2	MW-46D2	1913.03	1911.03	191	201	1720.03	1710.03	NA	NA	NA	114.72	116.19	115.11	114.41	NR	NA	NA	NA	1798.31	1796.84	1797.92	1798.62	NR
OU1	MW-47B	1932.09	1929.95	119.3	129.3	1810.39	1800.39	NA	NA	NA	NA	NA	119.59	119.03	118.80	NA	NA	NA	NA	NA	1812.50	1813.06	1813.29
OU1	MW-47C	1932.09		139	149	1790.80	1780.80	NA	NA	NA	NA	NA	121.27	120.73	118.67	NA	NA	NA	NA	NA	1810.82	1811.36	1813.42
OU1	MW-47D	1932.10		160	170	1769.57	1759.57	NA	NA	NA	NA	NA	119.03	118.90	118.60	NA	NA	NA	NA	NA	1813.07	1813.20	1813.50
OU1	MW-48B	1931.05	1928.87	117.32	127.32	1811.75	1801.75	NA	NA	NA	NA	NA	119.04	118.57	117.95	NA	NA	NA	NA	NA	1812.01	1812.48	1813.10
OU1	MW-48C	1931.03		139.8	149.8	1788.74	1778.74	NA	NA	NA	NA	NA	118.83	118.48	117.54	NA	NA	NA	NA	NA	1812.20	1812.55	1813.49
OU1	MW-48D	1931.05		160	170	1768.74	1758.74	NA	NA	NA	NA	NA	118.00	117.79	117.52	NA	NA	NA	NA	NA	1813.05	1813.26	1813.53
OU1	MW-49B	1931.46	1929.34	118.1	128.1	1810.95	1800.95	NA	NA	NA	NA	NA	120.80	120.31	118.53	NA	NA	NA	NA	NA	1810.66	1811.15	1812.93
OU1	MW-49C	1931.47		139	149	1790.06	1780.06	NA	NA	NA	NA	NA	119.15	119.11	117.65	NA	NA	NA	NA	NA	1812.32	1812.36	1813.82
OU1	MW-49D	1931.46		160.6	170.6	1768.48	1758.48	NA	NA	NA	NA	NA	118.13	118.41	117.63	NA	NA	NA	NA	NA	1813.33	1813.05	1813.83
OU1	MW-50B	1931.51	1929.25	116.9	126.9	1812.11	1802.11	NA	NA	NA	NA	NA	118.93	118.48	118.34	NA	NA	NA	NA	NA	1812.58	1813.03	1813.17
OU1	MW-50C	1931.54		136.8	146.8	1791.66	1781.66	NA	NA	NA	NA	NA	119.97	119.70	117.93	NA	NA	NA	NA	NA	1811.57	1811.84	1813.61
OU1	MW-50D	1931.46		158.1	168.1	1771.12	1761.12	NA	NA	NA	NA	NA	118.38	118.49	117.79	NA	NA	NA	NA	NA	1813.08	1812.97	1813.67
OU1	MW-51B	1931.60	1929.43	116.5	126.5	1812.88	1802.88	NA	NA	NA	NA	NA	119.43	119.04	118.61	NA	NA	NA	NA	NA	1812.17	1812.56	1812.99
OU1	MW-51C	1931.62		139.5	149.5	1789.97	1779.97	NA	NA	NA	NA	NA	120.21	119.88	118.26	NA	NA	NA	NA	NA	1811.41	1811.74	1813.36
OU1	MW-51D	1931.62		160	170	1769.27	1759.27	NA	NA	NA	NA	NA	118.75	118.32	118.19	NA	NA	NA	NA	NA	1812.87	1813.30	1813.43
Hwy 6	MW-104A	1908.57	1908.98	100	115	1808.57	1793.57	NA	NA	NA	105.34	105.34	104.85	104.41	NR	NA	NA	NA	1803.23	1803.23	1803.72	1804.16	NR
Hwy 6	MW-104C	1908.56	1908.92	160	180	1748.56	1728.56	NA	NA	NA	107.01	107.97	107.39	106.90	NR	NA	NA	NA	1801.55	1800.59	1801.17	1801.66	NR
Hwy 6	MW-104D	1908.48	1909.01	192	212	1716.48	1696.48	NA	NA	NA	106.98	107.88	107.31	106.83	NR	NA	NA	NA	1801.50	1800.60	1801.17	1801.65	NR
Hwy 6	MW-105A	1919.31	1916.62	108	123	1811.31	1796.31	NA	NA	NA	119.74	120.32	119.73	119.14	NR	NA	NA	NA	1799.57	1798.99	1799.58	1800.17	NR
Hwy 6	MW-105C	1919.36	1916.83	159.5	179.5	1759.86	1739.86	NA	NA	NA	121.10	122.44	121.48	120.81	NR	NA	NA	NA	1798.26	1796.92	1797.88	1798.55	NR
Hwy 6	MW-105D	1919.22	1916.79	192	212	1727.22	1707.22	NA	NA	NA	121.00	122.27	121.30	120.65	NR	NA	NA	NA	1798.22	1796.95	1797.92	1798.57	NR
Hwy 6	MW-106A	1909.22	1906.85	114	129	1795.22	1780.22	NA	NA	NA	120.23	121.24	120.68	119.94	NR	NA	NA	NA	1788.99	1787.98	1788.54	1789.28	NR
Hwy 6	MW-106C	1909.22	1906.74	161	181	1748.22	1728.22	NA	NA	NA	122.85	124.86	123.50	122.59	NR	NA	NA	NA	1786.37	1784.36	1785.72	1786.63	NR
Hwy 6	MW-106D	1909.20	1906.64	192	212	1717.20	1697.20	NA	NA	NA	122.96	124.90	123.52	122.63	NR	NA	NA	NA	1786.24	1784.30	1785.68	1786.57	NR

Notes:

Hwy 6 wells installed for the West Highway 6 & Highway 281 Site.
amsl - above mean sea level
bgs - below ground surface
ft - feet
NA - not applicable
NR - not recorded
OU1 - Operable Unit 1; these wells are associated with on-site groundwater
OU2 - Operable Unit 2; these wells are associated with off-site groundwater
OU2 (new) Off-site monitoring wells installed in April/May 2010 for the RI
TOC - top of casing

NOTE: For Waterloo multilevel wells (MW-19A/C, MW-20A/C/D/E, MW-30A/C/D/E, and MW-31A/C) the "Top of Casing Elevation" shown on the table is the top of casing elevation that was measured at the top of the Waterloo system manifold minus 8.5 inches [0.708 ft], which is the distance between the top of the manifold to the outer 4-inch PVC casing. This 4-inch PVC casing appears to be the reference point for the depth to the dedicated transducers.

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Table 2.6
Recovery Well Construction Details
Garvey Elevator Site
Hastings, NE

Current Well ID	Northing	Easting	Top of Casing Elevation (ft amsl)	Ground Surface Elevation (ft amsl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	Top of Screen (ft btoc)	Bottom of Screen (ft btoc)
RW-01	270924.258	2080881.294	1928.362	1931.602	117	127	114	124
RW-02	270636.079	2080877.866	1926.417	1929.457	119	129	116	126
RW-03	270327.507	2080992.501	1926.138	1929.138	117	127	114	124
RW-04	270056.71	2080895.538	1926.101	1929.051	119	129	116	126
RW-05	270441.785	2080592.154	1928.232	1931.432	122	132	NA	NA
RW-06	270754.887	2081007.6	1931.616	1930.084	136.5	151.5	138	153
RW-07	270460.719	2080961.017	1927.385	1930.385	138	153	135	150
RW-08	270193.287	2080946.173	1928.934	1931.844	140	155	137	152

Notes:
bgs = below ground surface
ft = feet
NA = Not available
TOC = top of casing
Survey data and total depths for non-multilevel monitoring wells collected in June 2009. Coordinates in feet Nebraska State Plane, North American Datum 1983; and elevations in feet North American Vertical Datum 1988.

FIGURE(S)

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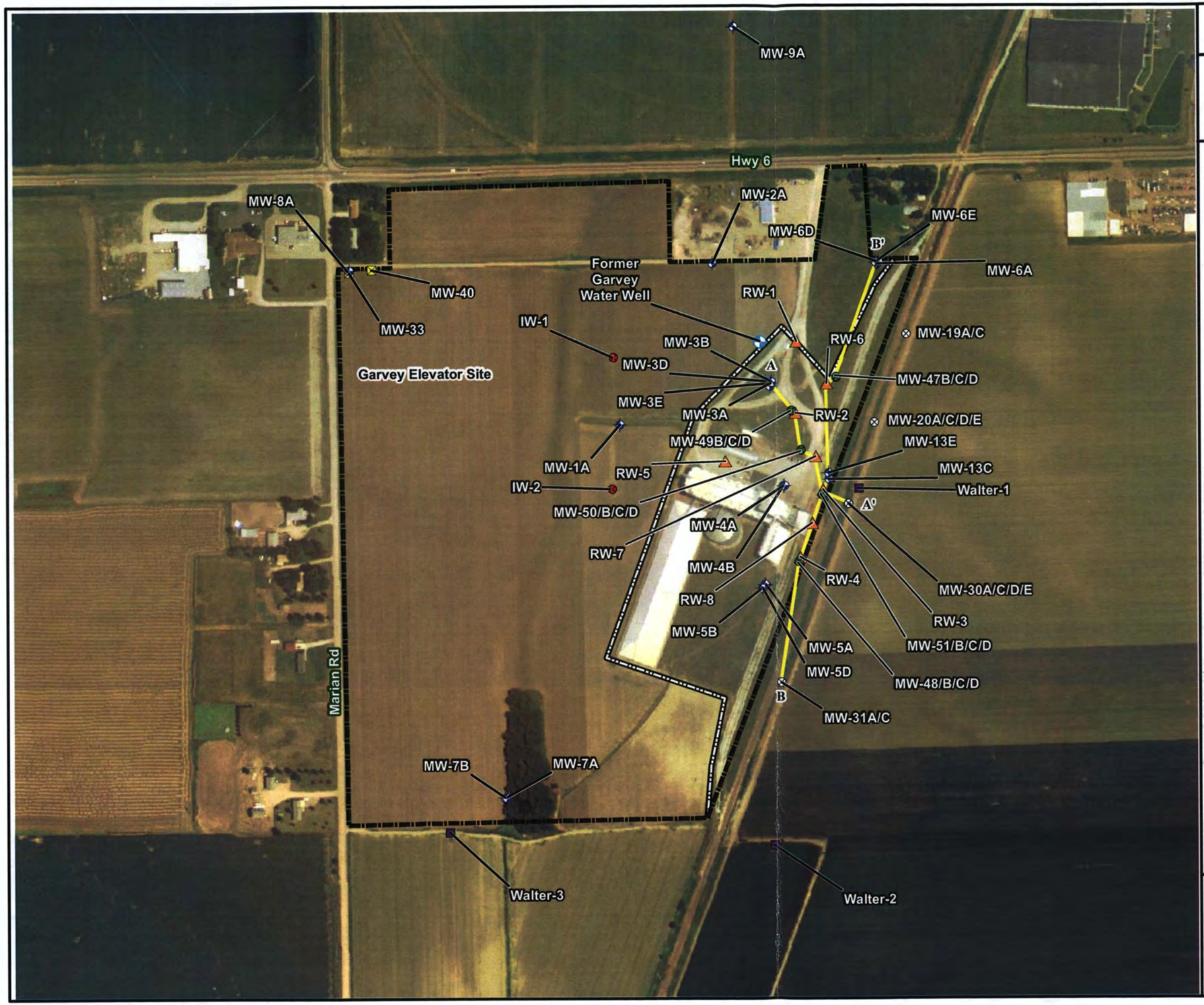


HGL—Remedial Design Field Investigation Report, Garvey Elevator Site—Hastings, NE

Figure 2.1
Well Location Map

Legend

- Hydraulic Conductivity Well
- Irrigation Well
- Existing Monitoring Well
- Existing Multilevel Well
- New Nested Monitoring Well
- Recovery Well
- Injection Well
- Former Garvey Property Boundary
- Operable Unit 1
- A — A' Geological Cross Section Line
- Former Garvey Water Well

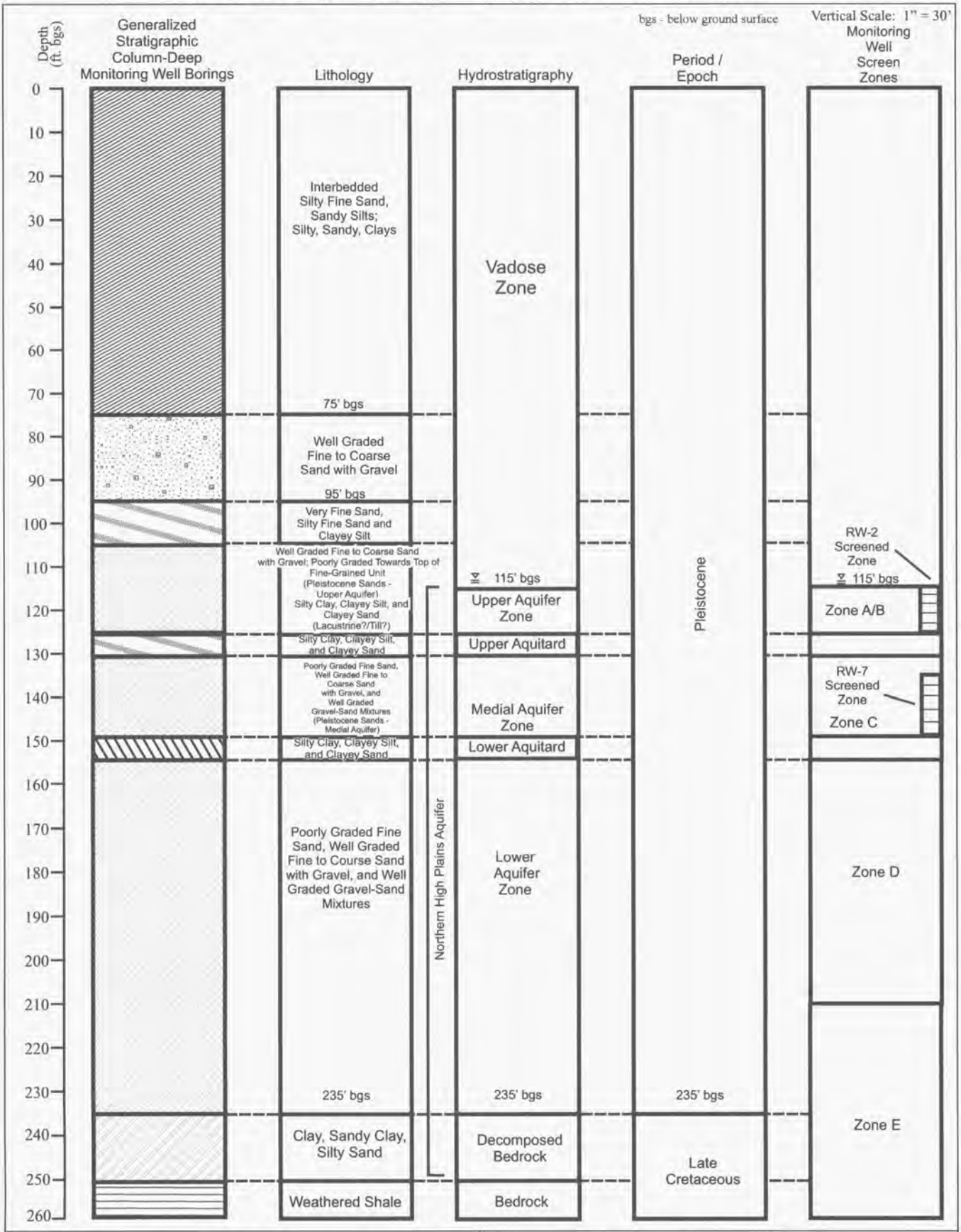
N

0 400 800

Feet

Filename: X:/EPA009/Garvey/GIS/MXDs/Well_Location_Map
Project: EP9046.01.55.11
Revised: 07/29/11 ST
Source: ENSR GDB 2008, DNR

HGL HydroGeoLogic, Inc CDM



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Project: EP9046.01.55.01
Revised: 07/29/11 ST
Source: HGL

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Figure 2.2
Generalized Stratigraphic Column

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HGL—Remedial Design Field Investigation Report, Garvey Elevator Site—Hastings, NE

Figure 2.3
March 2011 Groundwater Potentiometric Map for the Upper Aquifer

Legend

- Hydraulic Conductivity Well
- Irrigation Well
- Existing Monitoring Well
- Existing Multilevel Well
- New Nested Monitoring Well
- Recovery Well
- Former Garvey Property Boundary
- Operable Unit 1
- Former Garvey Water Well
- Groundwater Contour (ft amsl)
- Direction of Groundwater Flow
- (1812.95) Groundwater Elevation (ft amsl)

amsl above mean sea level

N

0 400 800
Feet

Filename: X:/EPA009/Garvey/GIS/MXDs/Remedial_Investigation_5_27_11/GW_Pot_Upper_Aquifer
Project: EP9033.01.46.11
Revised: 06/21/11 ST
Source: ENSR GDB 2008, DNR

HGL HydroGeoLogic, Inc CDM

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HGL—Remedial Design Field Investigation Report, Garvey Elevator Site—Hastings, NE

Figure 2.4
March 2011 Groundwater Potentiometric Map for the Medial Aquifer

Legend

- Hydraulic Conductivity Well
- Irrigation Well
- Existing Monitoring Well
- Existing Multilevel Well
- New Nested Monitoring Well
- Recovery Well
- Former Garvey Property Boundary
- Operable Unit 1
- Former Garvey Water Well
- Groundwater Contour (ft amsl)
- Direction of Groundwater Flow
- (1812.55) Groundwater Elevation (ft amsl)
- amsl above mean sea level

N

0 400 800
Feet

Filename: X:/EPA009/Garvey/GIS/MXDs/ Remedial_Investigation_5_27_11/ GW_Pot_Medial_Aquifer
Project: EP9033.01.46.11
Revised: 06/21/11 ST
Source: ENSR GDB 2008, DNR

United States Environmental Protection Agency
HGL HydroGeoLogic, Inc
CDM

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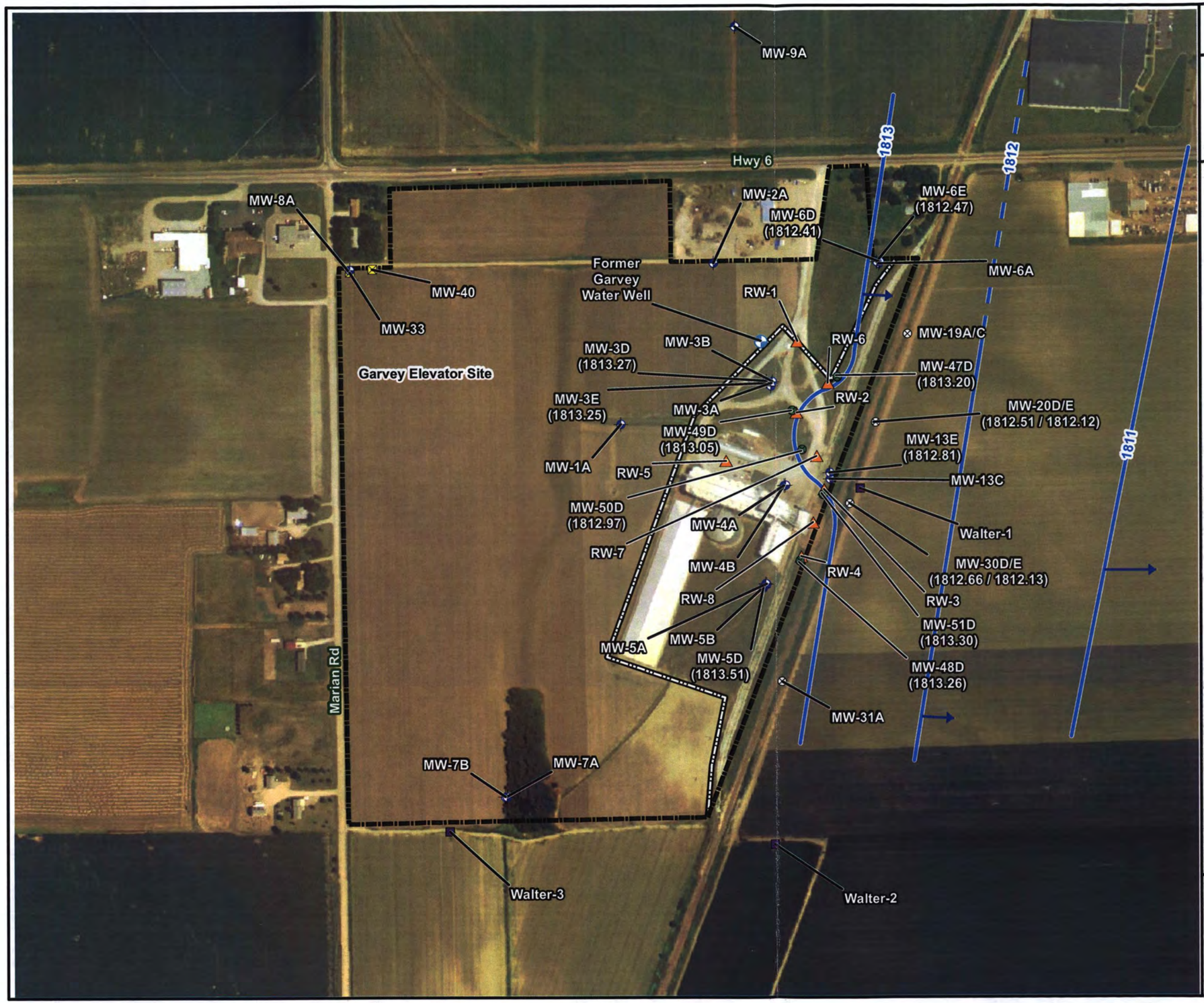

HGL—Remedial Design Field Investigation Report, Garvey Elevator Site—Hastings, NE

Figure 2.5
March 2011 Groundwater Potentiometric Map for the Lower Aquifer

Legend

- Hydraulic Conductivity Well
- Irrigation Well
- Existing Monitoring Well
- Existing Multilevel Well
- New Nested Monitoring Well
- Recovery Well
- Former Garvey Property Boundary
- Operable Unit 1
- Former Garvey Water Well
- Groundwater Contour (ft amsl)
- Direction of Groundwater Flow
- (1812.55) Groundwater Elevation (ft amsl)
- amsl above man sea level

N

0 400 800
Feet

Filename: X:/EPA009/Garvey/GIS/MXDs/ Remedial_Investigation_5_27_11 GW_Pot_Lower_Aquifer
Project: EP9033.01.46.11
Revised: 06/21/11 ST
Source: ENSR GDB 2008, DNR

United States Environmental Protection Agency
HGL HydroGeoLogic, Inc
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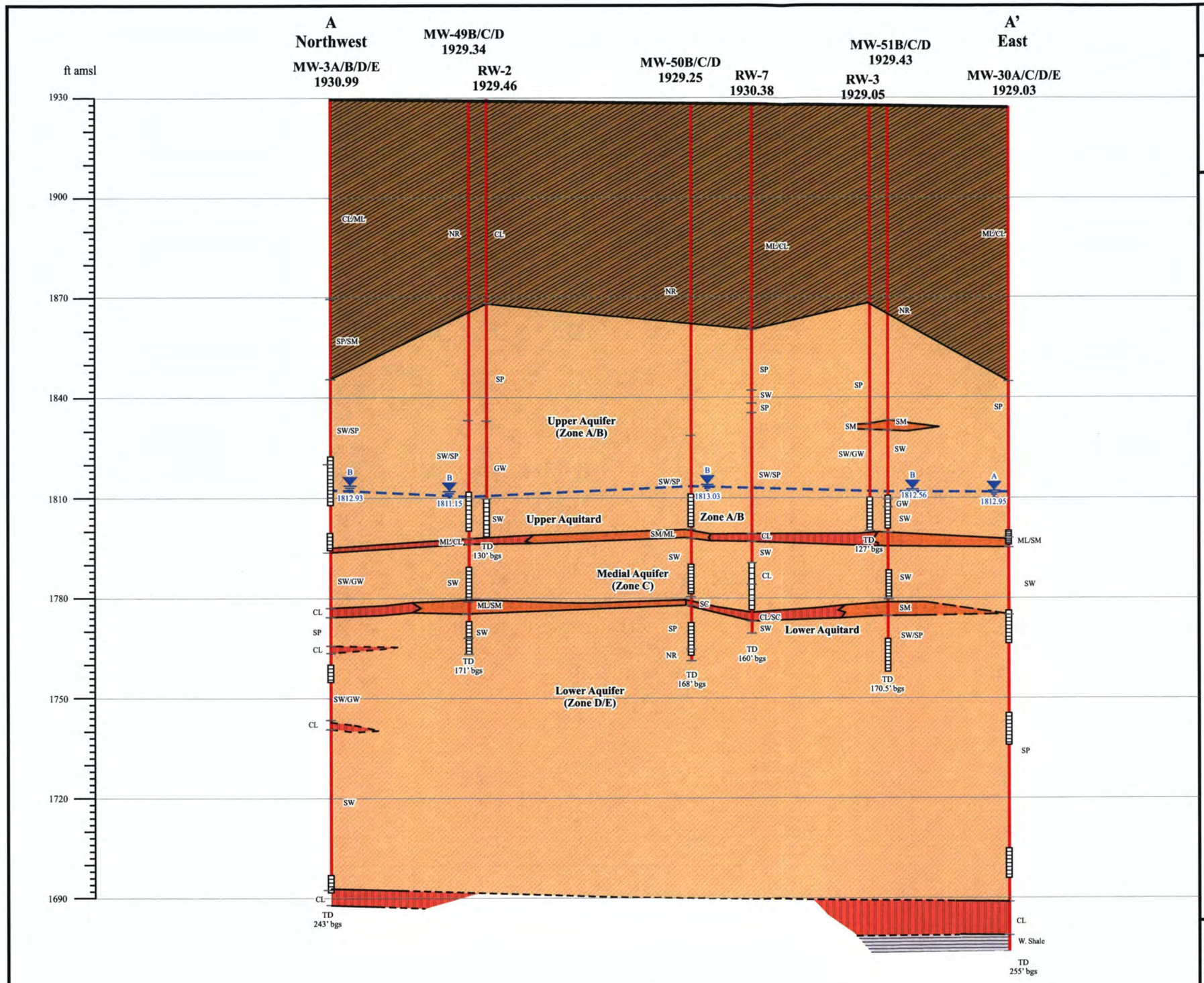
Figure 2.6
Geologic Cross Section A-A'



Legend

MW-49B/C/D	Monitoring Well
RW-3	Groundwater Recovery Well
1929.03	Ground Surface Elevation (ft amsl)
B 1812.93	Water Table (March 2011) Elevation (ft amsl)
	Screen
ft	feet
bgs	below ground surface
amsl	above mean sea level

Lithologies

ML	Very Fine Sand, Silt, Clayey Silt
CL	Clay, Sandy Clay, Silty Clay
SP	Poorly Graded Sand
SW	Well-Graded Sand
SM	Silty Sand
SC	Clayey Sand
GW	Well-Graded Gravel
NR	No Recovery
TD	Total Depth

Fine Sand, Silt and Clay
Sand
Silty Sand
Very Fine Sand and Silt
Silty Clay, Clay
Weathered Shale

Lithologies dashed where inferred

Zone A/B = Upper Aquifer

Zone C = Medial Aquifer

Zone D = Lower Aquifer, Upper Portion

Zone E = Lower Aquifer, Lower Portion

60 / 30 / 0 Vertical Scale in Feet

0 100 200 Horizontal Scale in Feet

Filename: X:\EPA009\Garvey\CDR
Geologic_Cross_Section_A-A.cdr
Revised: 06/08/11 ST
Source: HGL GIS Database

HGL HydroGeoLogic, Inc

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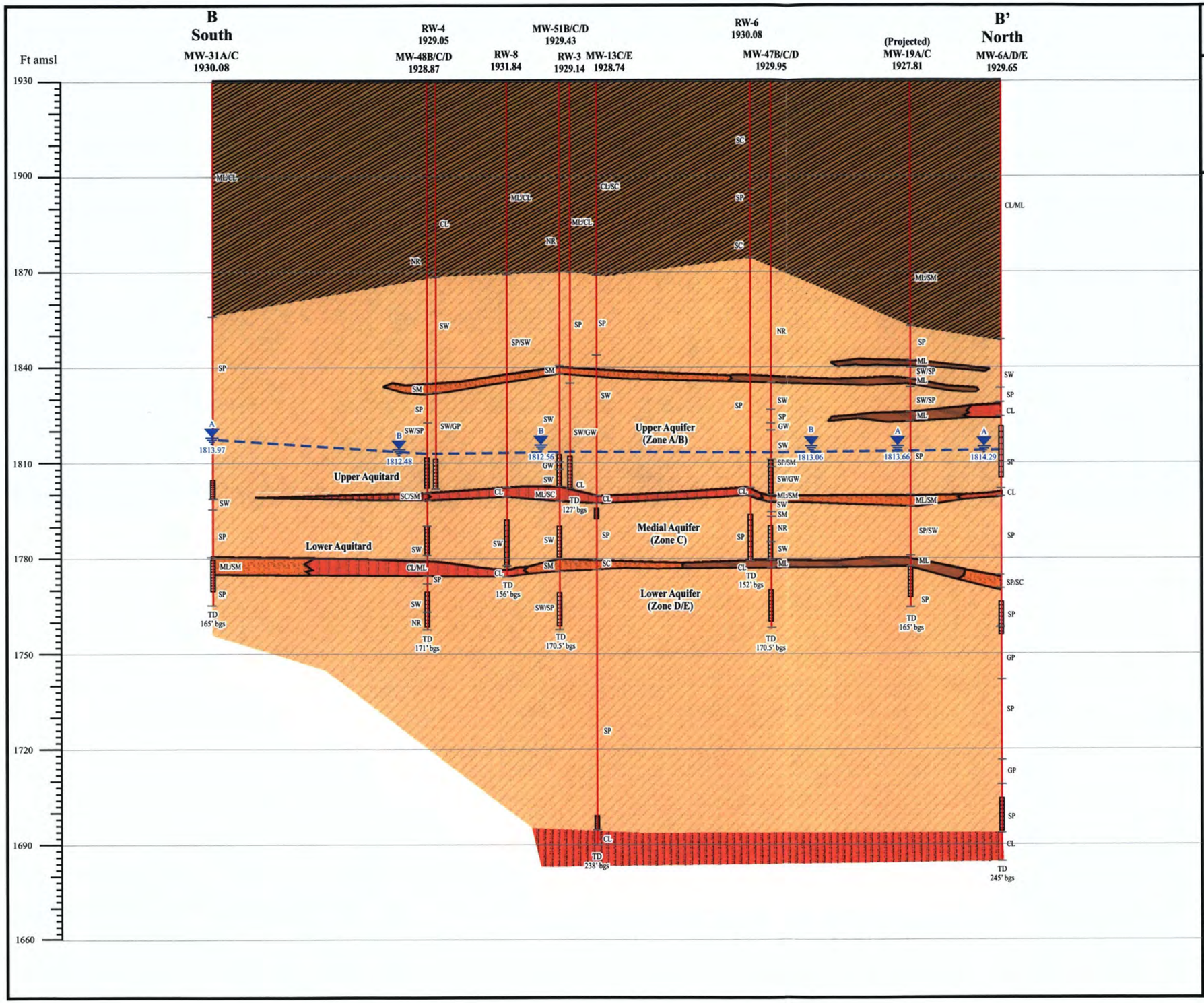
Figure 2.7
Geologic Cross Section
B-B'



Legend

MW-51B/C/D	Monitoring Well
RW-7	Groundwater Recovery Well
1929.03	Ground Surface Elevation (ft amsl)
B / 1812.93	Monitoring Well Water Table (March 2011) Elevation (ft amsl)
	Screen
ft	feet
bgs	below ground surface
amsl	above mean sea level

Lithologies

ML	Very Fine Sand, Silt, Clayey Silt
CL	Clay, Sandy Clay, Silty Clay
SP	Poorly Graded Sand
SW	Well-Graded Sand
SM	Silty Sand
SC	Clayey Sand
GW	Well-Graded Gravel
NR	No Recovery
TD	Total Depth

Fine Sand, Silt and Clay
Sand
Silty Sand
Very Fine Sand and Silt
Silty Clay, Clay
Weathered Shale

Lithologies dashed where inferred

60 / 30 / 0 Vertical Scale in Feet

Zone A/B = Upper Aquifer

Zone C = Medial Aquifer

Zone D = Lower Aquifer, Upper Portion

Zone E = Lower Aquifer, Lower Portion

0 200 1000
Horizontal Scale in Feet

Filename: X:\EPA009\Garvey\CDR
Geologic_Cross_Section_B-B.cdr
Revised: 06/20/11 ST
Source: HGL GIS Database

HGL HydroGeoLogic, Inc

3.0 SUMMARY OF AQUIFER TESTING

Aquifer testing using the GET system recovery wells as the pumping wells was conducted from April 25 to May 13, 2011. Step-drawdown pumping tests were conducted at recovery wells RW-2 and RW-7, which are completed in the upper aquifer and medial aquifer, respectively. Constant rate pumping tests were conducted these same two recovery wells, using select new monitoring wells and existing monitoring wells as observation wells to measure potential drawdown. Before conducting the aquifer tests, wireless telemetry equipment was installed at the new wells and select existing wells to facilitate collection of the observation well data.

The groundwater recovered during the pumping tests was pumped through the GET system, and discharged through the injection wells as it would under normal operation. It should be noted that the irrigation well east of the elevator buildings across the railroad tracks was not active during any of the pumping test activities. The accumulated datasets were then analyzed using computer software to estimate aquifer parameters. Manual calculations and plotting also were conducted for select parameters.

Detailed discussion of the aquifer testing is provided in the subsections below.

3.1 TELEMETRY INSTRUMENTATION INSTALLATION

To facilitate collection of the water level data during the aquifers tests, and for long-term groundwater monitoring, dedicated transducers were installed in the 15 new monitoring wells. These transducers were hardwired to a solar-powered telemetry station constructed and equipped at each of the five well locations. Additionally, telemetry stations were installed at the existing four multilevel well locations located off the site property along the east perimeter of the site. Dedicated transducers were positioned in the sampling ports of these wells when they were installed in 2007. There are 12 sample ports distributed among the four existing well locations. Table 3.1 lists the specific monitoring wells, and the telemetry equipment installed at each of those nine locations. Figure 2.1 shows the locations of the new and existing wells. Photographic documentation of the telemetry stations is provided in Appendix A.

The 15 transducers in the new wells and the nine telemetry stations were installed between March 21 and April 15, 2011. Initially, the telemetry post bases were installed in concrete to 4 ft bgs. The concrete was allowed to cure for approximately two weeks. Next, a 10-ft post was affixed to the base and the electrical panel, solar panels, and transmitter were mounted on the post and wired. Lastly, the transducers at each well location were wired to the system.

The transmitters send a 4 to 20 milliampere (4-20 mA) analog signal to the antenna that was mounted to a flange on top of the packed stripper tower extending out of the quonset hut. The antenna is hardwired to a gateway device programmed to communicate the data to the programmable logic controller (PLC) for each monitoring well. For the new wells, the 4-20 mA signal from the transducer to the transmitter was scaled for the calibrated absolute pressure range of each individual transducer sensor. In-well pressure measurements in pounds per square inch

absolute (psia) were adjusted to remove atmospheric pressure based on the barometric pressure reading from a sensor situated at the site.

The existing multilevel well transducers are vibrating wire (VW) sensors; therefore, a converter device from the vendor was installed for each transducer at the telemetry station. This device converts VW frequencies to the necessary 4-20 mA signals. This data also was corrected to remove atmospheric pressure from the psia readings of the transducers. Because the VW frequency is influenced by temperature, the data also was corrected for water temperature. Water temperatures were measured by the new transducers in MW-51B and MW-48D and applied to the VW transducer dataset. The Functional Design Specification (FDS) provided in Appendix H, and discussed below in Section 3.2, lists the VW transducer data to which the two temperature datasets were applied.

Because of concerns about the stability of the posts to which the telemetry equipment was mounted, cross-bracing was mounted to the telemetry posts at all nine locations and anchored to bollards situated around the associated monitoring well (Appendix A). Because of the heavier equipment associated with MW-20A/C/D/E and MW-30A/C/D/E, a second post was anchored in the ground and attached to the hardware-bearing post for additional support.

Another task completed during this phase of the field activities was the connection of the RW-1 transducer to the MW-47B/C/D telemetry station. The RW-1 4-20 mA signal had been plagued with interference thought to originate in the conduit trench to the PLC. A 4.5-inch diameter horizontal boring was drilled from the telemetry station to the RW-1 well vault. The transducer cable from RW-1 to the PLC was abandoned in place. New cable was run from the junction box in the well vault through 1-inch diameter PVC conduit to the telemetry station and wired to the transmitter for pressure data transmission.

3.2 AQUIFER TEST AND NORMAL LOG PROGRAMMING

The level pressure measurements of the 27 transducers transmitted to the wireless gateway device from the telemetry stations were recorded and organized at the GET system PLC and server. This task was generally conducted from March to mid-April 2011. The final input parameter of depth to the new transducers, and quality control testing of the tests and normal logging programming was conducted April 11 through 15, 2011.

The PLC was programmed for the series of pumping tests conducted at RW-2, RW-7, and the full system of recovery wells. QSPEC Solutions Incorporated (QSPEC) of Overland Park, Kansas, was subcontracted to program the PLC to execute the pumping tests, and configure the human machine interface (HMI) used by HGL to initiate and monitor the tests. The HMI also includes a function to view the level data in real-time. The FDS provided in Appendix H lists the various software used for the programming effort.

The FDS was produced by QSPEC to present a detailed compilation of the methodology and inputs for the datalogging and reporting of the tests and normal groundwater level monitoring by the dedicated transducers. The recovery well transducer data that was already being recorded at the

PLC also was incorporated into the data reporting. It should be noted that the RW-6 transducer is not functional.

Critical data compiled during the aquifer tests included the following parameters:

- Time stamp of the record
- Period number of each phase of a particular pumping test
- Water level elevation
- Displacement from a nonpumping water level elevation
- Recovery well pumping rate

The pumping tests data were written to the GET system server in comma delimited files. A normal logging mode is also active that logs predetermined parameters on a regular basis to the system server (Appendix H). The frequency of data collection was programmed as specified in the October 2010 Final SAP (HGL, 2010). The FDS also reiterated this information.

3.3 AQUIFER TESTS AND DATA ANALYSIS DISCUSSION

The step-drawdown and constant rate pumping tests were conducted using both RW-2 and RW-7 as pumping wells to evaluate aquifer parameters for the upper aquifer and medial aquifer, respectively. The step-drawdown testing was conducted primarily to determine an optimal pumping rate for the constant-rate test that would be conducted to ascertain aquifer parameter values. Using information from both datasets, the efficiency of the two recovery wells also was evaluated. Table 3.2 provides a summary of the wells assigned for monitoring during each of the pumping tests. Table 3.3 provided monitoring well distances to RW-2 and RW-7 monitored during the pumping tests. This table also includes the screened intervals of the monitoring wells in conjunction with the depths to the top and the bottom of the applicable aquifer.

Following these discrete aquifer tests, a full system pumping test encompassing the eight recovery wells was conducted. Section 3.3.3 describes the performance of the full system pumping test. The analysis of the full system test data and overall influence of the GET system, including containment, will be discussed in a memorandum report submitted under separate cover.

After completion of the RW-2 and RW-7 tests, the data was analyzed using the AQTESOLV 4.5™ software program (AQTESOLV 4.5) to calculate the aquifer properties. Tables 3.3 and 3.4 provide the aquifer parameter values calculated from the pumping test datasets for the upper and medial aquifers, respectively. Appendix I provides the curve matching graphs generated in AQTESOLV. Appendix J provides the raw datasets compiled during the pumping tests.

It should be noted that the flow rates of the recovery well pumps are controlled by setting a static frequency using the variable frequency drive (VFD). The pumps have an electronic controller that adjusts the power delivered to the pump according to the set frequency in hertz (Hz), which adjusts the flow rate of the pump.

As noted above, the groundwater pumped during the aquifer tests was conveyed through the GET system and reinjected into the lower aquifer through injection wells IW-1 and IW-2 per normal operation. The injection wells are shown on Figure 2.1.

3.3.1 Step-Drawdown Pumping Tests

The solutions discussed below that were employed to analyze the step-drawdown pumping test data used plots of time versus displacement. The term displacement is the difference between the water level at the start of the test (time zero) and the drawdown observed at discrete time increments throughout the test. Table 3.4 provides details of the aquifers tested, pumping rates, and specific capacity values calculated using the step-drawdown data. Specific capacity is the flow rate (also termed discharge) divided by the drawdown at that specific flow rate. Figure 3.1 illustrates the pumping rates throughout the timeframe of the tests at both RW-2 and RW-7. Figure 3.2 illustrates graphs of the inverse of specific capacity versus the pumping rate.

3.3.1.1 RW-2

RW-2 is a 6-inch diameter well screened from 116 ft btoc to 126 ft btoc (119 ft bgs to 129 ft bgs) at the base of the upper aquifer. (All the recovery wells are situated in below grade vaults so the top of well casing is about 3 feet below the ground surface.) The screen has 0.030-inch slots, and is constructed of stainless steel. The well casing above the screen to the ground surface is carbon steel. The pump intake is situated at 122 ft btoc.

The RW-2 step-drawdown test consisted of seven steps during which the pump was run at differing frequencies, which were preceded by an initial step to record non-pumping data. Each pumping period was planned to be 1 hour. However, pumping could not be sustained for 1 hour at all steps because of extreme fluctuations in the pumping rate, and eventually zero flow, when attempting to operate the pump at less than optimal frequencies (Appendix J). The pump in RW-2 is known to be oversized, and is the primary cause of this issue. Only Step 5 at 43 Hz (average pumping rate of 8.3 gpm) and Step 6 at 45 Hz (average rate of 14.9 gpm) were run the full 1 hour. Step 7 at 47 Hz brought the flow rate to approximately 22 gpm, which caused excessive drawdown in the recovery well, and necessitated an end to the step test.

In AQTESOLV 4.5, the Dougherty-Babu solution for step-drawdown tests and the Theis solution for step-drawdown tests were employed to analyze the RW-2 displacement dataset (Dougherty-Babu, 1984; Theis, 1935). These confined aquifer solutions were used because AQTESOLV 4.5 does not have a specific solution for step-drawdown tests in unconfined aquifers. An attempt was made to use the Moench solution for unconfined aquifers, which can be used for step-drawdown data because it allows for variable pumping rate data (Moench, 1997). However, the fit of data to this solution was poor. In addition, the step-drawdown testing was conducted primarily to determine an optimal pumping rate for the constant-rate test that would be used to ascertain aquifer parameter values. It is well understood that step-testing data does not generally provide accurate aquifer parameter values because of the effects of pumping well inefficiencies on drawdown data in that single well.

For the Dougherty-Babu solution, the pumping rates for each step were initially input as averages calculated from the data file. Also, this solution can consider the effects of wellbore storage. Therefore, the borehole radius was entered as 8 inches because a 16-inch diameter borehole was noted on construction log. Both of these input parameters were varied as indicated on Table 3.5 to assess the sensitivity of the results to these inputs. In particular, the borehole diameter for RW-2 was listed as 18 inches on the state of Nebraska well registration form. Therefore, one of the variations included a borehole radius of 9 inches.

Using the Dougherty-Babu solution, calculated transmissivity values ranged from 1,075.8 to 1,171.2 square feet per day (ft^2/day). Transmissivity is the ability of a formation to transmit water through a unit thickness of formation, and has units of length squared per time increment (L^2/T). For confined aquifers, transmissivity is the product of K (discussed in Section 2.3.2) and the aquifer thickness. For unconfined aquifers, transmissivity is the product of K and the saturated aquifer thickness. The saturated aquifer thickness was determined to be 11 feet for the upper aquifer. Therefore, K values ranged from 97.8 to 106.5 ft/day.

> Storativity, which is unitless, is the volume of water a formation releases from or takes into storage per unit of surface area per unit change in head (e.g. groundwater rising a foot or lowering a foot in an aquifer). For an unconfined aquifer, storativity is the sum of an elastic (both water and formation) component and specific yield. Specific yield, which also is unitless, is the volume of water released from storage by an unconfined formation per unit of surface area of that formation, per unit decline of the water table. In an unconfined formation, specific yield is considered generally equivalent to the overall storativity because release of water due to gravity drainage is so much greater than water released due to the elasticity of water and formation materials. Because the Dougherty-Babu solution is for confined aquifers, a storativity value was not calculated. The storativity value is set at static value for specific yield that is representative value for unconfined aquifers—in this case 0.1. Typical specific yield values for unconfined aquifers range from 0.02 to 0.30 (Fetter, 1988).

Well efficiencies calculated in AQTESOLV ranged from approximately 29 to 37 percent. Other calculated parameters such as well loss coefficients are provided on Table 3.5.

For the Theis solution, the pumping rate also was varied; however, the Theis solution does not consider wellbore storage, so the borehole radius was entered only as 8 inches. As with the Dougherty-Babu solution, the specific yield value of 0.1 was input as a static value because the Theis solution is for confined aquifers. As shown on Table 3.5, the transmissivity values and resultant K values calculated using the Theis solution are very similar to those calculated using the Dougherty-Babu solution.

Using the drawdown and pumping rate information, the estimated specific capacities for steps 5 and 6 were 5.24 gallons per minute per foot (gpm/ft) of drawdown and 4.75 gpm/ft, respectively (Table 3.4). The average of these two values is 5.0 gpm/ft. As noted above, the other steps have such variable pumping rates, or were terminated early before the rate of drawdown decreased, that

it was not possible to calculate valid specific capacity values from Steps 1, 2 and 3. Figure 3.1 shows pumping rates with time for the pumping tests at RW-2.

To calculate well loss coefficients, the Bierschenk graphical method used to plot the inverse of specific capacity (drawdown divided by pumping rate) versus the pumping rate (Bierschenk, 1964). Only Steps 5 and 6 had sufficiently stable data on which to employ the Bierschenk method. Figure 3.2 illustrates the RW-2 graphs using the step-drawdown pumping rates and drawdown measurements for each step. Because of a slightly increasing pumping rate as both steps progressed, only the last 10 minutes of each step was used to calculate an average pumping rate for the plot. A line is then fitted to the data, where the slope of the line is non-linear well loss coefficient and the y-intercept is linear well loss coefficient. As shown on Figure 3.2 for RW-2, using the Bierschenk method the non-linear well loss coefficient is 0.1556 min^2/ft^5 and the linear well loss coefficient is 1.2497 m/ft^2. Non-linear well loss coefficients calculated in AQTESOLV from analysis of the step-drawdown dataset ranged from 0.6644 min^2/ft^5 to 0.835 min^2/ft^5.

3.3.1.2 RW-7

RW-7 is constructed of 8-inch diameter, Schedule 40 PVC, and is screened from 135 ft btoc to 150 ft btoc (138 ft bgs to 153 ft bgs) across the lower three-quarters of the medial aquifer. The screen has 0.040-inch slots. The pump intake is situated at 146 ft btoc.

The RW-7 step-drawdown test also consisted of 7 steps, including an initial non-pumping period. During Step 2, and to some degree Step 3, the lower controller frequencies showed some initial fluctuation in the pumping rate with a steady decline to a stable flow (Appendix J). Steps 4, 5, 6, and 7 all showed a quickly stabilizing (within approximately 3 gpm) pumping rate for each period. Four of the six pumping steps were conducted for the full 1-hour period. Step 4 was truncated at 45 minutes to advance to a higher flow rate, and Step 5 only ran for approximately 15 minutes before advancing automatically to Step 6. This was probably due to an error in the test setup programming. A planned Step 8 at 58 Hz was not attempted because the water level was too close to the pump inlet by the end of Step 7.

In AQTESOLV 4.5, three methods were used to analyze the RW-7 step-drawdown data: the Hantush-Jacob solution (Hantush-Jacob, 1955); Dougherty-Babu solution, (Dougherty-Babu, 1984); and Theis solution (Theis, 1935).

Input parameters that were varied in the solutions consisted of using either static or calculated storativity values, and changing the weighting method for the displacement data (Table 3.6). All solutions can account for partially penetrating wells—only a portion of the medial aquifer is screened in RW-7. Aquifer thickness is 20.5 feet, and the screen length is 15 feet. Additionally, the Hantush-Jacob solution considers that the aquifer is leaky and receiving recharge through an aquitard. As discussed above, the Dougherty-Babu solution also considers wellbore storage.

Calculated transmissivity values across all three solutions ranged from 862.9 to 2,195.1 ft^2/day (Table 3.6). The highest values from the solutions were observed when the static storativity value of 0.001 was input into the analysis. Typical confined aquifer storativity values range from 0.005

to 0.00005 (Freeze and Cherry, 1979). If the solution was allowed to estimate a storativity, not only was the transmissivity value lower, but the calculated storativity was approximately two orders of magnitude higher than is typical for a confined aquifer. These storativity values are not considered valid.

Well efficiencies calculated in AQTESOLV ranged widely from approximately 29 to 65 percent. As with the transmissivity values, the highest well efficiencies were observed when the storativity was static at a realistic 0.001. Other calculated parameters such as well loss coefficients are provided in Table 3.6.

Using the drawdown and pumping rate information, the estimated specific capacities for RW-7 ranged from 3.93 gpm/ft to 5.17 gpm/ft for Steps 3, 4, 6 and 7 (Table 3.4). Step 5 was too short a time frame to have confidence that the drawdown value approached equilibrium. Step 2 had excessive fluctuations in the flow rate. Figure 3.1 shows pumping rates with time for the pumping tests at RW-7. The average specific capacity used was 4.45 gpm/ft.

The Bierschenk method was used to calculate well loss coefficients (Bierschenk, 1964). Figure 3.2 provides the RW-7 Bierschenk graph using the step-drawdown pumping rates and drawdown measurements for each step. As shown on Figure 3.2 for RW-2, the non-linear well loss coefficient is 0.0949 min^2/ft^5 and the linear well loss coefficient is 0.5941 min/ft^2. Non-linear well loss coefficients calculated in AQTESOLV from analysis of the RW-7 step-drawdown dataset ranged from 0.0031 min^2/ft^5 to 0.2205 min^2/ft^5.

3.3.2 Constant-Rate Pumping Tests

The constant-rate pumping tests analysis consisted of applying AQTESOLV solutions to separate datasets of the pumping and recovery phases of each test. The pumping data solutions used plots of time versus displacement. The recovery data was analyzed utilizing the same solutions, but the data was plotted as residual drawdown versus the ratio of elapsed time since pumping began to the time since pumping stopped. Residual drawdown is equivalent to displacement, but as the recovery "test" proceeds the displacement decreases as the aquifer recovers from groundwater withdrawal.

3.3.2.1 Barometric Corrections

Barometric corrections to the water level displacement data were attempted using background (pre-pumping test) water level and barometric pressure readings. This adjustment to a pumping test dataset is typically undertaken to remove water level fluctuations in observation wells due barometric pressure changes from water level fluctuations due to pumping. Water levels in monitoring wells will be depressed as barometric pressure increases rise as pressure decreases. The degree to which the full barometric pressure change is applied to the water level is based on the ability of the aquifer to retard or transfer atmospheric barometric pressure changes to water in the aquifer. Barometric efficiency is the term for the quantification of this aquifer characteristic.

To estimate barometric efficiency, HGL employed a graphical method that plots water level elevation on the y-axis and barometric pressure in feet of water on the x-axis (Hare and Morse, 1999). The negative of the slope of the best fit line through the data is the estimate of barometric efficiency, which can range between zero and 1 and is unitless. However, the evaluation of the background water level data from the dedicated transducers that measure absolute pressure in the new nested monitoring wells and existing multilevel wells did not show the expected relationship. Generally, the data showed that as barometric pressure increased, so did the water level.

EPA then examined the water level data collected by the gauged transducers leased for the pumping test during a segment of the 120-hour nonpumping phase of the full system pumping test. The full system test is discussed in Section 3.3.3. Barometric pressure readings collected at the GET system PLC for the dedicated transducers were interpolated to obtain atmospheric pressure values that coincided with the water level data. Data from May 3 to May 7 was plotted. Pumping had ceased approximately 24 hours before this portion of the dataset. These select data showed the correct relationship—decreasing water levels with increasing barometric pressure. The following table summarizes the estimated barometric efficiencies. Appendix K includes the graphs generated to obtain the barometric efficiency for each dataset. Appendix J provides the raw water level and barometric pressure data for the selected datasets from the full system pumping test.

Barometric Efficiency Estimates		
Well Location	**Barometric Efficiency (unitless)**	**Aquifer (type)**
MW-3A	0.71	Top of upper (unconfined)
MW-3B	0.53	Base of upper (unconfined)
MW-5B	0.45	Base of upper (unconfined)
MW-13C	0.44	Top of Medial (confined)

The above barometric efficiency values lie within the typical range of 0.20 to 0.75 (Freeze and Cherry, 1979).

EPA and HGL concluded from the examination of the data for barometric corrections that there is an error in how the barometric pressure is applied to correct the pressure measurements from the dedicated absolute pressure transducers. The leased transducers were gauged transducers that are vented to the atmosphere and did not require that barometric pressure be subtracted from the transducer measurement. Because the problem may lie in the barometric pressure reading at the PLC, the estimated barometric efficiencies for the two aquifers were not used to correct the pumping test datasets discussed below.

It is unlikely that the corrected datasets would yield significantly different aquifer parameters from the AQTESOLV analysis. Over the 48 hours of the RW-2 constant rate pumping test, the difference between the maximum and minimum barometric pressure in feet of water was 0.30 feet, while during the RW-7 constant rate pumping test that same difference in barometric pressure was 0.23 feet of water. Also, the barometric efficiency values in the table above indicate that only a portion of the pressure changes would be applied to the water level displacements observed during

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the pumping tests. The effects that barometric pressure fluctuations in the atmosphere have on the data analysis also is lessened because water level displacements observed in the monitoring wells used to calculate the aquifer parameters were at least a foot or more in each well.

3.3.2.2 RW-2

A 24-hour constant-rate pumping test was conducted using RW-2 as the pumping well, while monitoring for drawdown at the select wells listed on Table 3.2. Figure 3.1 illustrates the pumping rates throughout the time frame of the test at RW-2. These monitoring wells also were monitored throughout a 24-hour recovery phase to record residual drawdown. The objective of this test was to calculate aquifer parameter values for the unconfined upper aquifer.

Based on the rate of drawdown in RW-2 during the step test, it was concluded that an attempt would be made to operate the RW-2 constant-rate pumping test between 43 and 45 Hz. Examination of drawdown data for the 45 Hz step, showed that drawdown that remained above the pump inlet could not be sustained for 24 hours. However, excessive drawdown to below the transducer in the pumping well was noted immediately after test startup. The test programming and temporary transducers were reset, and the pumping test was restarted using the frequency of 43 Hz (approximately 9.3 gpm at stabilization).

Except for MW-49B, no appreciable drawdown above background water level fluctuations was observed in the other monitoring wells gauged during the RW-2 constant rate pumping test. The MW-49B/C/D well cluster is situated 19 feet upgradient to the northwest of RW-2. It is screened from 121.7 ft btoc to 131.7 ft btoc (118.1 ft bgs to 128.1 ft bgs). MW-49B was considered to be a fully penetrating well with regard to the saturated thickness of the upper aquifer. It should also be noted that for purposes of the constant-rate test, an 8-inch borehole radius was assumed for RW-2 for all constant-rate test analysis.

In AQTESOLV 4.5, the MW-49B pumping period displacement data was analyzed separately using two solutions: the Neuman solution (Neuman, 1974), and the Moench solution for unconfined aquifers (Moench, 1997). Both solutions assume a delayed gravity response, and the Moench solution also assumes wellbore storage is present. A variable pumping rate was used because RW-2 started at 13.9 gpm, and steadily declined to a stable range of approximately 9 gpm to 11 gpm after about 4 minutes of elapsed time. The chosen solutions allowed for the pumping rate recorded at a particular time to be entered into AQTESOLV along with the associated displacement value. Using the actual recorded pumping rates noticeably improved the type curve matching over using an average pumping rate throughout the 24-hour pumping period. Additionally, the analysis was preferentially weighted towards the late-time data. Table 3.5 provides details of the weighting scheme. Appendix I provides the curve matching graphs.

The MW-49B recovery data was analyzed using the Neuman solution where the residual drawdown was plotted against the ratio of time since pumping began to the time since pumping stopped. The analysis was preferentially weighted towards the early and middle time data because the late time data diverged significantly from the type curves for the solution. The reason for this divergence from the expected aquifer response is not known. Table 3.5 details the weighting

applied to the recovery data. An attempt was made to use the Moench solution that was applied to the drawdown data, and the Tartakovsky-Neuman solution (Tartakovsky and Neuman, 2007). However, the fit of data to these solutions was poor, and the estimated transmissivity values were approximately twice that estimated using the drawdown data. Also, the estimated specific yield values were about two orders of magnitude lower than expected based on the drawdown analyses.

Table 3.5 provides the calculated aquifer parameters from the constant-rate pumping test at RW-2 using the two analytical solutions. The transmissivity calculated using the Neuman solution on the pumping data observations was 255.4 ft^2/day. The Moench analysis was provided by EPA, and resulted in a transmissivity of 175.8 ft^2/day. Specific yields were 0.18 and 0.34 from the Neuman solution and Moench solution, respectively. The specific yield of 0.34 is slightly higher than typical unconfined aquifer values, which range from 0.01 to 0.30 (Freeze and Cherry, 1979). Application of the Neuman solution to the recovery data resulted in a transmissivity of 378.1 ft^2/day. The specific yield estimation from the recovery analysis was 0.065.

The average transmissivity based on the discrete estimations above is 269.8 ft^2/day. The K value calculated from this average transmissivity is 24.5 ft/day, using the aquifer thickness of 11 ft for the upper aquifer. In comparison to the upper aquifer K value of 48.5 ft/day measured from the geotechnical sample submitted for analysis, the pumping test-derived K value is approximately 50 percent less than the laboratory value. These two values are relatively consistent given the differences in methodologies between field and laboratory estimation of hydraulic conductivity.

The confidence interval and standard deviation, along with other diagnostic parameters, were examined for the three analyses above. Based on this criteria, there is greater confidence in the estimated parameters using the Neuman solution for both the drawdown and recovery datasets than in the estimated transmissivity and specific yield values obtained using the Moench solution. The reports containing the diagnostic information is included in Appendix I with the curve matching graphs. Overall, the transmissivity values calculated using the RW-2 constant-rate pumping rate dataset are about 15 to 35 percent of the values calculated from the step-drawdown test. These constant rate-derived transmissivities are considered more accurate than the step-test estimations because estimating transmissivity using pumping well drawdown data has limited validity. The calculated specific yields are reasonable for an unconfined aquifer, although the 0.34 value estimated using the Moench solution is higher than is typically observed.

An attempt was made to assess the well efficiency using the ratio of the average observed specific capacity to the theoretical specific capacity based on the above estimated transmissivity and specific yield values. Using the average transmissivity value of 269.8 ft^2/day, an average specific yield of 0.194, the RW-2 well radius of 0.25 feet, and a time period of one day (1440 minutes) the theoretical specific capacity was calculated using a form of the Cooper-Jacob equation (Cooper-Jacob, 1947). The ratio of actual specific capacity to theoretical specific capacity is percent well efficiency. The average specific capacity calculated from the RW-2 step-drawdown test was 5.0 gpm/ft. However, the theoretical specific capacity was calculated to be 1.62 gpm/ft. The theoretical specific capacity, which assumes the well is 100 percent efficient, cannot be less than a field measured value. Therefore, it appears that one or more of the critical assumptions for using the Cooper-Jacob equation have not been met. In particular, the Cooper-Jacob method is only

applicable to unconfined aquifers if the drawdown is small compared to the thickness of the aquifer. This assumption was likely not satisfied because drawdowns observed in RW-2 were over 2 feet and the saturated thickness is approximately 11 feet.

3.3.2.3 RW-7

A 24-hour constant-rate pumping test also was conducted using RW-7 as the pumping well, while monitoring for drawdown at the select wells listed on Table 3.2. Figure 3.1 illustrates the pumping rates throughout the timeframe of the test at RW-7. These monitoring wells also were monitored throughout a 24-hour recovery period to record residual drawdown. The objective of this test was to calculate aquifer parameter values for the confined medial aquifer.

Based on the observed drawdown in RW-7, Step 6 at 55 Hz (average flow rate of 100.8 gpm) was chosen for the constant-rate pumping test of RW-7. It was concluded that the drawdown at this flow rate would be sustainable for the 24 hours required to pump the well during the constant-rate test. Although Step 7 at 56 Hz (average flow rate 107.9 gpm) was able to run the full 1 hour period during the step test, the drawdown in the well was to 0.3 ft over the transducer above the pump. This drawdown was excessive, and could not be sustained over the longer 24-hour period. For the constant-rate rest, RW-7 was pumped at a frequency of 55 Hz. When the RW-7 pump was turned on, it took approximately 2 minutes to reach a relatively stable flow rate, which ranged from approximately 98 gpm to 103 gpm. Therefore, one of the criteria for the solutions employed to analyze the data was that they allow for input of variable rate data, as was the case for the RW-2 pumping test data analysis.

Monitoring wells MW-50C and MW-13C were the only two wells in which drawdown was observed. Radial plots of both datasets showed a flattening in the slope in the late-time data that is indicative of recharge to the aquifer. Therefore, the Hantush-Jacob and the Hantush early-time solutions for leaky confined aquifers were used the analyze the datasets for both monitoring wells. MW-50C is screened from 139.9 ft btoc to 149.9 ft btoc (136.8 ft bgs to 146.8 ft bgs). MW-13C is screened from 134.4 ft btoc to 136.9 ft btoc (133.5 ft bgs to 136 ft bgs). Both of these wells only screen 10 ft of the 20.5-ft thick medial aquifer; therefore, both monitoring wells are considered partially penetrating wells, as is RW-7. As with the RW-2 constant rate data analysis, the drawdown data was analyzed separately from the recovery data.

The first analysis of the two datasets was conducted using the Hantush-Jacob solution for leaky confined aquifers, which does not account for aquitard storage (Hantush and Jacob, 1955; Hantush, 1964). Based on an evaluation conducted by EPA, the transmissivity and storativity calculations showed minimal sensitivity to anisotropy. Therefore, the K anisotropy ratio (vertical K divided by horizontal K) was set at 1.0. This was true for all confined aquifer solutions applied to the MW-13C and MW-50C data.

Transmissivity values for the medial aquifer using the datasets from these two wells are shown on Table 3.6. Analysis of the drawdown (pumping portion) of the MW-13C dataset yielded a transmissivity value was 5,151.6 ft^2/day, which was the highest value calculated for the medial

aquifer. For MW-50C, a transmissivity of 4,875 ft^2/day was calculated using the Hantush-Jacob solution with the drawdown data. The data for the drawdown analyses was equally weighted. The Hantush-Jacob solution also was used to analyze the recovery data, which was displacement weighted. Therefore, higher displacement values, which are the early time data in the recovery phase, receive more weight than the late time data. The weighting scheme was employed because during visual curve matching it was observed that the late time data could not conform to the type curve. The diagnostic data for both equally weighted and displacement weighted analyses also were examined. The reports are included in Appendix I with the curve matching graphs. The confidence range and standard deviation were more favorable by at least an order of magnitude for the displacement weighted analysis.

The transmissivity values from the recovery data sets were significantly lower than for the drawdown data. The MW-13C and MW-50C transmissivities were 2,305.5 ft^2/day and 1576.9 ft^2/day, respectively. It is widely recognized that recovery data often provide a better estimation of transmissivity and storativity because the pumping rate (0 gpm) has no variability (Driscoll, 1986). However, the AQTESOLV solutions that were used compensate for variable pumping rates. Therefore, it is unlikely that the variability in the pumping rate was the cause of the difference between the recovery data and pumping data transmissivity estimations.

The second analytical method employed was the Hantush early-time solution for leaky confined aquifers with aquitard storage, and that corrects for partial penetration (Hantush, 1960; Hantush 1961a and 1961b; Hantush, 1964). EPA compared the theoretical type curves from the early-time solution with MW-13C and MW-50C datasets of displacement versus time. The data corresponded to the type curves up to about 20 minutes into the pumping test, after which the data deviated from the type curves. EPA inferred from this analysis, and HGL concurred, that the early-time data consists of the first 20 minutes of measurements. Transmissivity values for MW-13C and MW-50C were 4789.7 ft^2/day and 4110.6 ft^2/day, respectively. These values are more consistent with the Hantush-Jacob solution results than the recovery analysis (Table 3.6).

Confined aquifer solutions from Dougherty-Babu and Theis-Hantush that can correct for partial penetration and variable pumping rates also were attempted. Both showed a very poor fit of the data with their respective type curves (Dougherty-Babu, 1984; Theis, 1935; and Hantush, 1961a and 1961b).

The average transmissivity across all six estimations was 3801.7 ft^2/day. Using the known aquifer thickness of 20.5 feet, the resultant K value is 185.4 ft/day. Separate transmissivity averages for the pumping only and recovery only analyses were 4732 ft^2/day and 1941.2 ft^2/day, respectively. The associated K values for these maximum and minimum averages are 230 ft/day and 94.7 ft/day.

Across all solutions and weighting schemes, storativity values calculated from the RW-7 pumping test data ranged from 0.000232 to 0.001299 (Table 3.6). These are within the range for confined aquifers; however, there is an order of magnitude difference between the lowest and highest calculated storativities. The high value of 0.001299 is an outlier from the other six estimated storativities. The average storativity was 0.00070.

Overall, the MW-13C dataset provided higher transmissivities and storativities for the medial aquifer than the MW-50C data. The average transmissivity from MW-13C was 4,082.3 ft^2/day, while the average MW-50C transmissivity was 3521.1 ft^2/day. The percent difference between the averages of each dataset was 15 percent, which is reasonable considering the heterogeneity of the aquifer and the difference in the screened zones of these monitoring wells.

The average of K value of 185.4 ft/day from all six calculated transmissivities. This K value is about 215 percent higher than the measured K of 58.7 ft/day for the geotechnical sample collected from the medial aquifer and analyzed using constant head permeameter analysis. The geotechnical sample is not considered an undisturbed sample because of the necessary collection method. Also, the geotechnical sample K value is representative of only a small portion of the aquifer. The estimation from the pumping test conducted in the field is more indicative of the true aquifer transmissivity of the medial aquifer.

The transmissivity was 1,262.5 ft^2/day from the RW-7 step-test data analyses discussed in Section 3.3.1. In comparison to the constant-rate analysis average transmissivity of 3801.7 ft^2/day, this represents a 200 percent increase in the estimated transmissivity. The higher value is considered more representative of true conditions because step tests typically yield only rough approximations of aquifer parameters.

Using the average transmissivity value of 3801.7 ft^2/day (28,438.7 gallons per day per foot), an average storativity of 0.00070, the RW-7 well radius (0.333 ft), and a time period of one day (1440 minutes), a theoretical well efficiency for RW-7 was calculated using a form of the Cooper-Jacob equation (Cooper and Jacob, 1947). The theoretical specific capacity was calculated to be 13.4 gpm/ft. The ratio of actual specific capacity to theoretical specific capacity is percent well efficiency. The actual average specific capacity calculated from the RW-7 step-drawdown test discussed above was 4.45 gpm/ft. This results in a well efficiency of 33 percent.

A well efficiency of 33 percent compares favorably with several of the well efficiencies calculated in AQTESOLV during the step-drawdown test analysis that were approximately 30 to 35 percent (Table 3.6). But, in AQTESOLV the RW-7 well efficiencies when the storativity value was set at a realistic 0.001 for a confined aquifer were around 60 percent. However, because the estimates of transmissivity and storativity from the constant-rate pumping test are considered more accurate, the RW-7 well efficiency is likely closer to 30 percent than 60 percent. It should be noted that several critical assumptions, such as stabilization of the drawdown in each pumping step is questionable for specific capacity calculations. Also, it is assumed that the pumping well fully penetrates the aquifer. RW-7 penetrates 15 feet of the 20.5-foot thick medial aquifer. However, the calculated well efficiencies give a general idea of the condition of RW-7 using site-specific data.

3.3.3 Full GET System Pumping Test

A full GET system pumping test was conducted over a 12-day period. After the pumping tests at RW-7 and RW-2, all recovery wells were turned on for 48 hours. The wells were pumped at their typical rates as controlled by the VFD to maintain pumping conditions. After the 48 hours, the

system was shut down for 120 hours to allow recovery of the upper and medial aquifers pumped by the recovery wells. Finally, the system was turned back on for 120 hours.

During this test, water levels across the site were recorded in the monitoring wells with the 27 dedicated transducers, and 9 monitoring wells with temporary (leased) transducers. Table 3.2 lists the wells at which groundwater levels were recorded.

These data will be incorporated into a groundwater model to assess the influence of the GET system on the upper and medial aquifers. Findings will be present in a technical memorandum submitted under separate cover.

TABLE(S)

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Table 3.1
Monitoring Well Telemetry and Transducer Equipment
Garvey Elevator Site
Hastings, NE

MW-47B/C/D, -48 B/C/D, 49 B/C/D, -50 B/C/D, -51 B/C/D	
Rosemount Model 848T Wireless Transmitter	Two 12-volt 36 amp-hours gel-filled batteries (overall 24 volt direct current system)
Two BP 20-watt solar panels	
18x-16-inch Fiberglass electrical enclosure	Western Tube Intermediate Metal Conduit (telemetry post)
Three INW Model PS9800 30 psia pressure transducers	
MW-19A/C, -31A/C	
Rosemount Model 848T Wireless Transmitter	One 12-volt 98 amp-hours gel-filled batteries (overall 12 volt direct current system)
One BP 65-watt solar panel	
18x-16-inch Fiberglass electrical enclosure	Western Tube Intermediate Metal Conduit (telemetry post)
Two Geokon Model 8020-59 VW to Analog Converter	
Two Geokon Model 4500S 50.8 psia VW transducers	
MW-20A/C/D/E, -30A/C/D/E	
Rosemount Model 848T Wireless Transmitter	Two 12-volt 98 amp-hours gel-filled batteries (overall 12 volt direct current system)
Two BP 65-watt solar panels	
20x-24-inch Metal electrical enclosure	Western Tube Intermediate Metal Conduit (telemetry post)
Four Geokon Model 8020-59 VW to Analog Converter	
Four Geokon Model 4500S 50.8 psia VW transducers	
General Telemetry	
Rosemount Model 1420 Wireless Gateway	Rosemount Antenna WL2 option (50-ft LMR-400 cable)
Ethernet cable/connection	

Notes:
Amp = ampere
BP = British Petroleum
ft = foot
INW = Instrumentation Northwest, Inc.
psia = pounds per square inch absolute
VW = vibrating wire transducer

Table 3.2
Pumping Tests Monitoring Well Assignments
Garvey Elevator Site
Hastings, NE

Transducer Type	Well ID	RW-2 Step-Drawdown 4/26/11[1]	RW-7 Step-Drawdown 4/25/11[1]	RW-2 Constant-Rate 4/28-30/11[1]	RW-7 Constant-Rate 4/26-28/11[1]	Full GET System 4/30/11-5/12/11[1]
Dedicated Transducers	MW-19A					X
	MW-19C					X
	MW-20A			X	X	X
	MW-20C			X	X	X
	MW-20D				X	X
	MW-20E				X	X
	MW-30A			X	X	X
	MW-30C			X	X	X
	MW-30D				X	X
	MW-30E				X	X
	MW-31A					X
	MW-31C					X
	MW-47B			X		X
	MW-47C			X		X
	MW-47D					X
	MW-48B					X
	MW-48C					X
	MW-48D					X
	MW-49B	X		X	X	X
	MW-49C	X		X	X	X
	MW-49D	X		X	X	X
	MW-50B		X	X	X	X
	MW-50C		X	X	X	X
	MW-50D		X	X	X	X
	MW-51B				X	X
	MW-51C				X	X
	MW-51D				X	X
Temporary Transducers	MW-1A	X*	X*	X*	X*	
	MW-3A			X		X
	MW-3B			X		X
	MW-3D			X		X
	MW-5A					X
	MW-5B					X
	MW-6D	X*	X*	X*	X*	X*
	MW-6E	X*	X*	X*	X*	X*
	MW-13C				X	X
	MW-13E				X	X

Notes:
ID = identification
* = Monitored for background groundwater levels
[1] = Date(s) the associated pumping test was conducted. The RW-2 step test was 3 hours of pumping, the RW-7 step test was 5 hours of pumping. Both constant rate tests were 24 hours of pumping followed by 24 hours of recovery. The full system test was 12 days, with 2 days pumping, then 5 days no pumping, and a last period of 5 days pumping.

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Table 3.3
Monitoring Well Distances and Aquifer Penetration Depths
Garvey Elevator Site
Hastings, NE

MW ID	Distance to RW-2 (ft)	Distance to RW-7 (ft)	MW Screened interval (ft bgs)	Applicable Aquifer Interval[1, 2] (ft bgs)	Applicable Aquifer	MW Location in Applicable Aquifer
MW-3A	157	N/A	108-123	118.6-134	Upper	Top
MW-3B	159	N/A	130.6-135.5	118.6-134	Upper	Base
MW-3D	176	N/A	171-176	166.5238.5	Lower	Top
MW-13C	N/A	102	133.5-136	131-150.5[3]	Medial	Top
MW-13E	N/A	84	230.8-235.8	150.5[3]-235	Lower	Bottom of lower
MW-20A	327	277	127-132	115.3-129	Upper	Base/Lower Aquitard
MW-20C	327	277	152-162	136-150	Medial	Top of Lower
MW-20D	N/A	277	182-192	152-236	Lower	Middle
MW-20E	N/A	277	222-232	152-236	Lower	Bottom
MW-30A	424	231	127-132	116.1-125.5	Upper	Lower Aquitard
MW-30C	424	277	152-162	132.5-146	Medial	Top of Lower
MW-30D	N/A	277	182-192	148-237	Lower	Middle
MW-30E	N/A	277	222-232	148-237	Lower	Bottom
MW-47B	221	N/A	119.3-129.3	116.9-131.5	Upper	Base
MW-47C	221	N/A	139-149	133-151	Lower	Base
MW-49B	19	209	118.1-128.1	117.9-129	Upper	Entire
MW-49C	19	209	139-149	132-149.5	Lower	Base
MW-49D	19	209	160.9-170.9	153.5-NE	Lower	Upper
MW-50B	X	65.5	116.9-126.9	116.2-127.5	Upper	Entire
MW-50C	X	65.5	136.8-146.8	132.5-150.5	Lower	Middle
MW-50D	X	65.5	158.1-168.1	150.5-NE	Lower	Upper
MW-51B	N/A	156	116.5-126.5	116.9-126.8	Upper	Entire
MW-51C	N/A	156	139.5-149.5	132-149.5	Lower	Base
MW-51D	N/A	156	160-170	154-NE	Lower	Upper

Notes:

[1] = Aquifer top and bottom listed are those for each particular well location based on lithologic logs.

[2] = Top of unconfined upper aquifer is based on water levels from March 2011.

3 = Base of medial aquifer at MW-13C based on extrapolation from the lithologic logs for MW-50C, MW-51C, and RW-7.

ID = identification

MW = monitoring well

N/A = not applicable

NE = not encountered

RW = recovery well

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Table 3.4
Summary of RW-2 and RW-7 Step-Drawdown Tests
Garvey Elevator Site
Hastings, NE

Pumping Well ID	Date of Test	Aquifer Zone	Step Number[1]	Average Flow Rate[2] (gpm)	Frequency (Hz)	Drawdown (ft)	Specific Capacity[3] (gpm/ft)	Comments
RW-2	4/26/2011	Upper Aquifer	2	NP	37	NP	NP	Flow rates in these steps were extremely erratic because operating at too low of frequency with an oversized pump
			3		39			
			4		41			
			5	8.55	43	1.63	5.24	
			6	15.55	45	3.27	4.75	
			7	22.03	47	4.21	5.23	Step terminated early due to excessive drawdown
RW-7	4/25/2011	Medial Aquifer	2	40.30	47	5.02	8.03	Flow rates included in the average fluctuated; Specific capacity value likely not valid
			3	55.71	49	10.77	5.17	
			4	72.94	51	15.94	4.58	
			5	86.39	53	19.83	4.36	Error in programming, step lasted approximately 13 minutes
			6	100.82	55	24.49	4.12	
			7	107.86	56	27.47	3.93	

Notes:

ft = feet

gpm = gallons per minute

gpm/ft = gallons per minute per foot

Hz = Hertz

[1] Step 1 was a nonpumping background period.

[2] The average flow rate for RW-2 was calculated using the final 10 minutes of each pumping step, except for Step 6 were all 0.77 minutes of pumping were used. The average flow rates for RW-7 consisted of data from 1 minute to the end of each step.

[3] The specific capacity for each step was calculated by dividing the average flow rate by the maximum observed drawdown in that step.

NP = Because of the erratic flow rates in pumping steps 1, 2, and 3, it was not possible to ascertain meaningful average flow rates, drawdowns, or specific capacities for these steps.

Table 3.5
RW-2 Pumping Test Analytical Results - Upper Aquifer
Garvey Elevator Site
Hastings, NE

Well ID	Test and Data Type	Solutions	Variable Inputs	Transmissivity (T) (ft^2/day)	Hydraulic Conductivity (K)[7] (ft/day)	Specific Yield[8] (Sy) (unitless)	Nonlinear Well Loss Coefficient (C) (min^2/ft^5)	Nonlinear Well Loss Exponent (P) (unitless)	Well Efficiency (WE) (percent)	Comments
	RW-2 Step-Drawdown Pumping Test (drawdown data)[1]	Dougherty-Babu (1984)	Average Pumping Rate[3], 6-inch wellbore radius	1112.2	101.1	0.1 (input)[9]	0.6644	1.125	37.14	This solution can account for partially penetrating wells, and wellbore storage.
			7.5 gpm Pumping Rate, 6-inch wellbore radius	1171.2	106.5	0.1 (input)	0.7856	1	34.38	
			Average Pumping Rate, 8-inch wellbore radius	1088.1	98.9	0.1 (input)	0.7099	1.114	33.25	
			7.5 gpm Pumping Rate, 8-inch wellbore radius	1129.7	102.7	0.1 (input)	0.82	1	31.21	
			Average Pumping Rate, 9-inch wellbore radius	1075.8	97.8	0.1 (input)	0.7282	1	31.69	
			7.5 gpm Pumping Rate, 9-inch wellbore radius	1112.9	101.2	0.1 (input)	0.835	1	29.86	
		Theis (1935)	Average Pumping Rate, 8-inch wellbore radius	1076.9	97.9	0.1 (input)	0.7044	1.113	33.76	This solution can account for partially penetrating wells, and wellbore storage.
			7.5 gpm Pumping Rate, 8-inch wellbore radius	1110.8	101.0	0.1 (input)	0.8103	1	31.88	
MW-49B[2]	Constant Rate (drawdown data)	Moench (1997)	Variable Pumping Rate[4], late-time weighted[5]	175.8	16.0	0.335	N/A	N/A	N/A	This solution includes compensation for wellbore storage and wellbore skin. Also accounts for partially penetrating wells.
	Constant Rate (drawdown data)	Neuman (1974)	Variable Pumping Rate, late-time weighted	255.4	23.2	0.181	N/A	N/A	N/A	This solution includes compensation for delayed gravity response, and partially penetrating wells.
	Constant Rate (recovery data)		Variable Pumping Rate, early/middle-time weighted[6]	378.1	34.4		N/A	N/A	N/A	

Note: The AQTESOLV™ aquifer test analysis software program was used for calculation of the aquifer parameters tabulated above unless otherwise noted.

[1] Confined solutions were employed for analysis of the step-drawdown test data because AQTESOLV™ does not have explicit solutions for a step-drawndown test in an unconfined aquifer. Therefore, the estimated transmissivity values (and therefore, K values), well loss coefficients, and well efficiency values are not considered rigorously valid.

[2] Unconfined solutions were employed for analysis of the constant-rate.

[3] The average pumping rate from the dataset for the first step was 8.3375 gpm; a value of 7.5 gpm was used for this step in select solutions to evaluate the sensitivity of the solution to the pumping rate. The second step pumping rate (average from the data set) was held constant at 14.898 gpm for all analyses.

[4] The RW-2 pumping rate data was imported into AQTESOLV™ from the aquifer testing data file which logged the pumping rate at the same frequency as the displacement. This was necessary because the early pumping rate was variable until it

[5] The data was manually weighted as follows: weight =1 for elapsed time t=0 to 11 min; weight = 2 for t=11 to 900 min; and weight = 8 for t=900 to 1,440 min

[6] The data was manually weighted as follows: weight =6 for elapsed time t=1,440 to 1,530 min; weight = 1 for t=1,530 to 1,710 min; and weight = 0 for t>1,710 min

[7] Hydraulic conductivity calculated using K=T/b, with the aquifer thickness determined to be 11 feet

[8] The storage parameter for an unconfined aquifer is specific yield. Storativity values of the unconfined aquifer solutions for the constant-rate tests were ignored because storativity is relatively insignificant in comparision to specific yield. The step-test analysis utilized confined aquifer solutions and the storativity values are not valid unless input per footnote (9) below.

[9] All Storativity values were set at 0.1, which is a typical value for specific yield of an unconfined aquifer.

gpm = gallons per minute

ft/day = feet per day

ft^2/day = square feet per day

min^2/ft^5 = square minutes per feet to the fifth power

N/A = Not applicable

Solution References

Dougherty, D.E and D.K. Babu, 1984. Flow to a partially penetrating well in a double-porosity reservoir, Water Resources Research, vol. 20, no. 8, pp. 1116-1122.

Theis, C.V., 1935. The relation between the lowering of the piezometric surface and the rate and duration of discharge of a well using groundwater storage, Am. Geophys. Union Trans., vol. 16, pp. 519-524.

Neuman, S.P., 1974. Effect of partial penetration on flow in unconfined aquifers considering delayed gravity response, Water Resources Research, vol. 10, no. 2, pp. 303-312.

Moench, A.F., 1997. Flow to a well of finite diameter in a homogeneous, anisotropic water-table aquifer, Water Resources Research, vol. 33, no. 6, pp. 1397-1407.

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Table 3.6
RW-7 Pumping Test Analytical Results - Medial Aquifer
Garvey Elevator Site
Hastings, NE

Well ID	Test and Data Type	Solutions	Variable Inputs	Transmissivity (T) (ft^2/day)	Hydraulic Conductivity (K)[2] (ft/day)	Storativity (S) (unitless)	Nonlinear Well Loss Coefficient (C) (min^2/ft^5)	Nonlinear Well Loss Exponent (P) (unitless)	Leakage Parameter (r/B or β) (unitless)	Well Efficiency (WE) (percent)	Comments
RW-7	Step-Drawdown Pumping Test (drawdown data)	Hantush-Jacob (1955)	Average Pumping Rates[1], displacement weighted	862.9	42.1	0.7185	0.0776	1.863	0.0245	29.6	This solution can account for partially penetrating wells, and leaky aquifer.
			Average Pumping Rates, displacement weighted, S=0.001[3]	2195.1	107.1	0.001 (input)[4]	0.2205	1.564	0.00001	36.3	
		Dougherty-Babu (1984)	Average Pumping Rates, displacement weighted	977.6	47.7	0.1083	0.0303	2.133	N/A	45.5	This solution can account for partially penetrating wells and wellbore storage
			Average Pumping Rates, displacement weighted, S=0.001	1293.5	63.1	0.001 (input)	0.0034	2.861	N/A	61.7	
		Theis (1935)	Average Pumping Rates, displacement weighted	945.3	46.1	0.6173	0.0942	1.803	N/A	29.4	This solution can account for partially penetrating wells.
			Average Pumping Rates, displacement weighted, S=0.001	1300.6	63.4	0.001 (input)	0.0031	2.894	N/A	65.0	
MW-13C	Constant Rate (drawdown data)	Hantush-Jacob (1955)/ Hantush (1964)	Variable Pumping Rate[4], K Anisotropy Ratio = 1.0[5]	5151.6	251.3	0.000786	N/A	N/A	0.2009	N/A	This solution can account for partially penetrating wells, leaky aquifer, but no aquitard storage.
		Hantush (1960; 1961a, b; 1964)	Variable Pumping Rate, K Anisotropy Ratio = 1.0	4789.7	233.6	0.000721	N/A	N/A	0.0411	N/A	Early time data (t<20 min)[6] only, partially penetrating wells, leaky aquifer, and aquitard storage
	Constant Rate (recovery data)	Hantush-Jacob (1955)/ Hantush (1964)	Variable Pumping Rate, K Anisotropy Ratio = 1.0, Displacement weighted[7]	2305.5	112.5	0.001299	N/A	N/A	0.5653	N/A	This solution can account for partially penetrating wells, leaky aquifer, but no aquitard storage.
MW-50C	Constant Rate (drawdown data)	Hantush-Jacob (1955)/ Hantush (1964)	Variable Pumping Rate, K Anisotropy Ratio = 1.0	4875.9	237.8	0.000304	N/A	N/A	0.1359	N/A	This solution can account for partially penetrating wells, leaky aquifer, but no aquitard storage.
		Hantush (1960; 1961a, b; 1964)	Variable Pumping Rate, K Anisotropy Ratio = 1.0	4110.6	200.5	0.000232	N/A	N/A	0.0785	N/A	Early time data (t<20 min) , partially penetrating wells, leaky aquifer, and aquitard storage
	Constant Rate (recovery data)	Hantush-Jacob (1955)/ Hantush (1964)	Variable Pumping Rate, K Anisotropy Ratio = 1.0, Displacement weighted	1576.9	76.9	0.000860	N/A	N/A	0.6838	N/A	This solution can account for partially penetrating wells, leaky aquifer, but no aquitard storage.

Note: The AQTESOLV™ aquifer test analysis software program was used for calculation of the aquifer parameters tabulated above unless otherwise noted.

[1] The average pumping rate from the data set for each step was calculated and manually input into Aqtesolv™.
[2] Hydraulic conditivity calculated using K=T/b, with the aquifer thickness determined to be 20.5 feet
[3] Storativity value set at 0.001, which is a typical value for a confined aquifer.
[4] The RW-7 pumping rate data was imported into AQTESOLV™ from the aquifer testing data file which logged the pumping rate at the same frequency as the displacement. This was necessary because the early pumping rate was variable until it stabilized at approximately 100
[5] The hydraulic conductivity (K) anisotropy ratio is vertical conductivity divided by horizontal conductivity.
[6] Examination of drawdown data with the type curves for the Hantush early time solution shows that the data deviates from the type curve at 20 minutes elapsed test time for both the MW-13C and MW-50C datasets.
[7] Unless otherwise noted, observation data weighted equally during curve matching. Other weighting methods included: displacement weighted which consisted of greater weight to data that have higher displacement values.

ft/day = feet per day
ft^2/day = square feet per day
K = hydraulic conductivity
min^2/ft^5 = square minutes per feet to the fifth power
N/A = Not applicable
t = time

Solution References

Dougherty, D.E and D.K. Babu, 1984. Flow to a partially penetrating well in a double-porosity reservoir, Water Resources Research, vol. 20, no. 8, pp. 1116-1122

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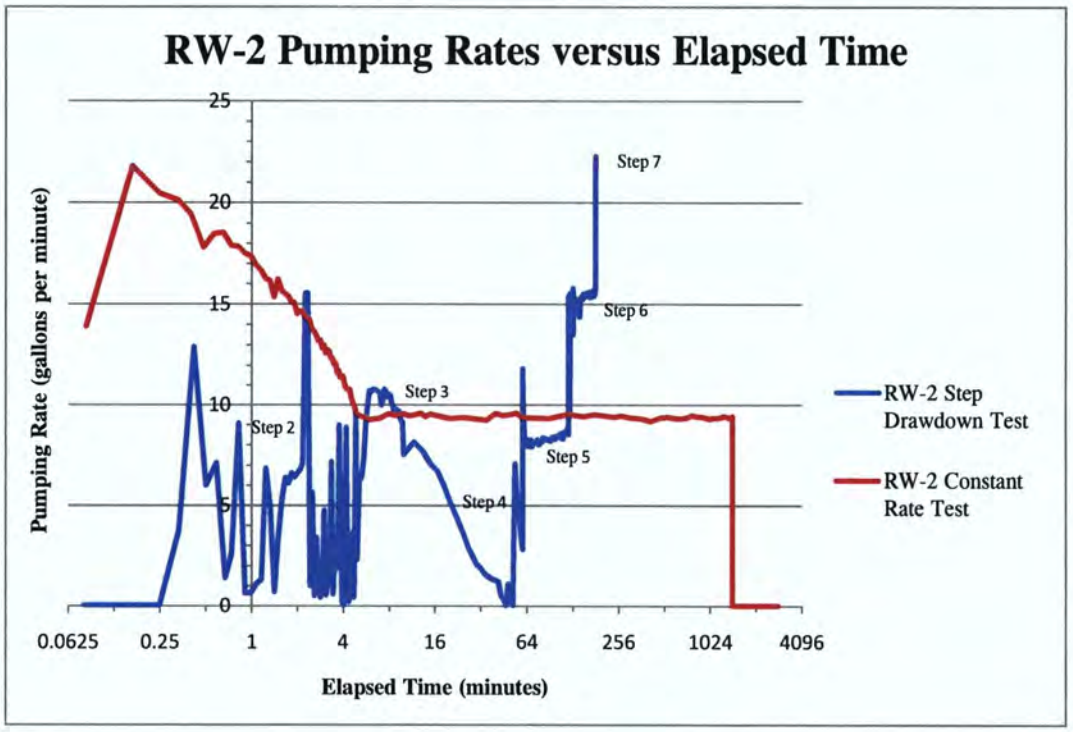
Hantush, M.S., 1961a. Drawdown around a partially penetrating well, Journal of the Hydraulics Division, Proceedings of the American Society of Civil Engineers, vol. 87, no. HY4, pp. 83-98.

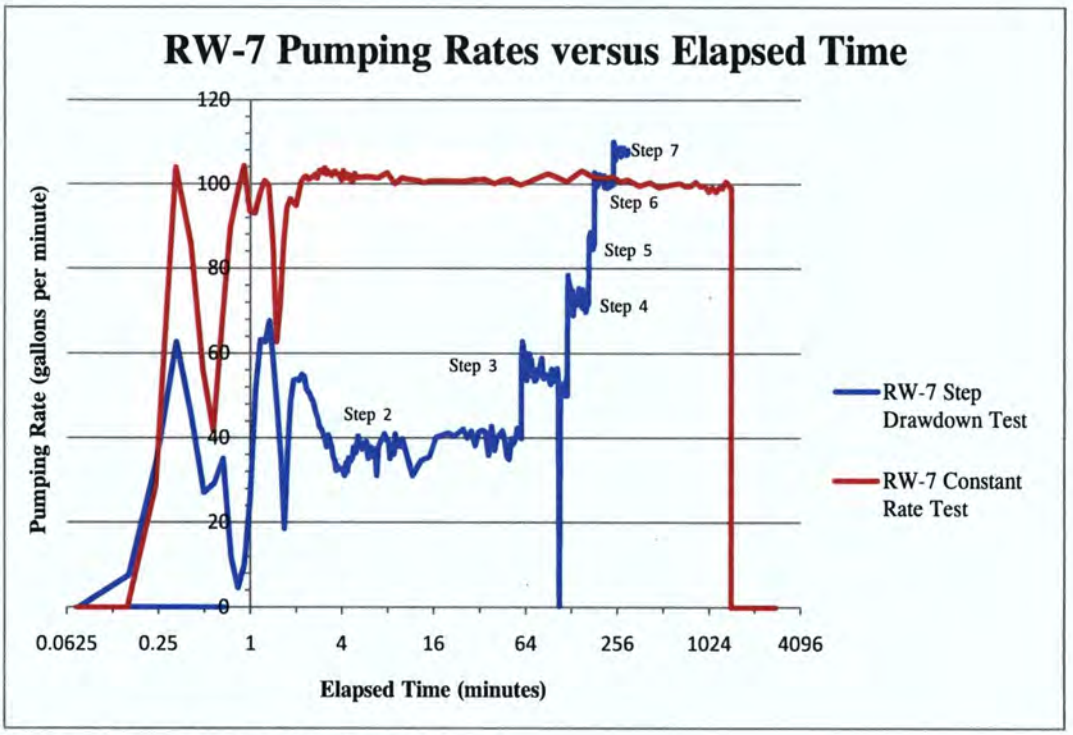
Hantush, M.S., 1961b. Aquifer tests on partially penetrating wells, Journal of the Hydraulics Division, Proceedings of the American Society of Civil Engineers, vol. 87, no. HY5, pp. 171-194.

Hantush, M.S., 1960. Modification of the theory of leaky aquifers, Jour. of Geophys. Res., vol. 65, no. 11, pp. 3713-3725.

Theis, C.V., 1935. The relation between the lowering of the piezometric surface and the rate and duration of discharge of a well using groundwater storage, Am. Geophys. Union Trans., vol. 16, pp. 519-524.

FIGURE(S)





Note: X-axis (Elapsed Time) has a logarithmic scale (base 2)

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Revised: 07/26/11 ST
Source: HGL

HGL HydroGeoLogic, Inc

Figure 3.1
Pumping Test Flow Rates And Elapsed Time

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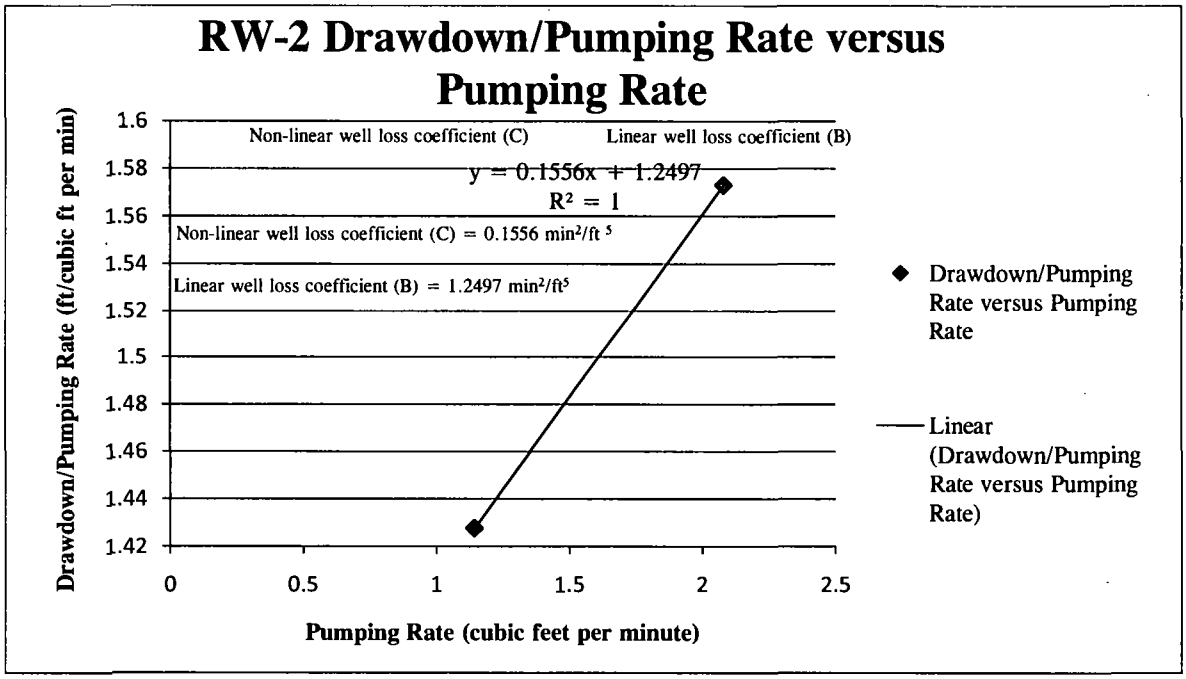

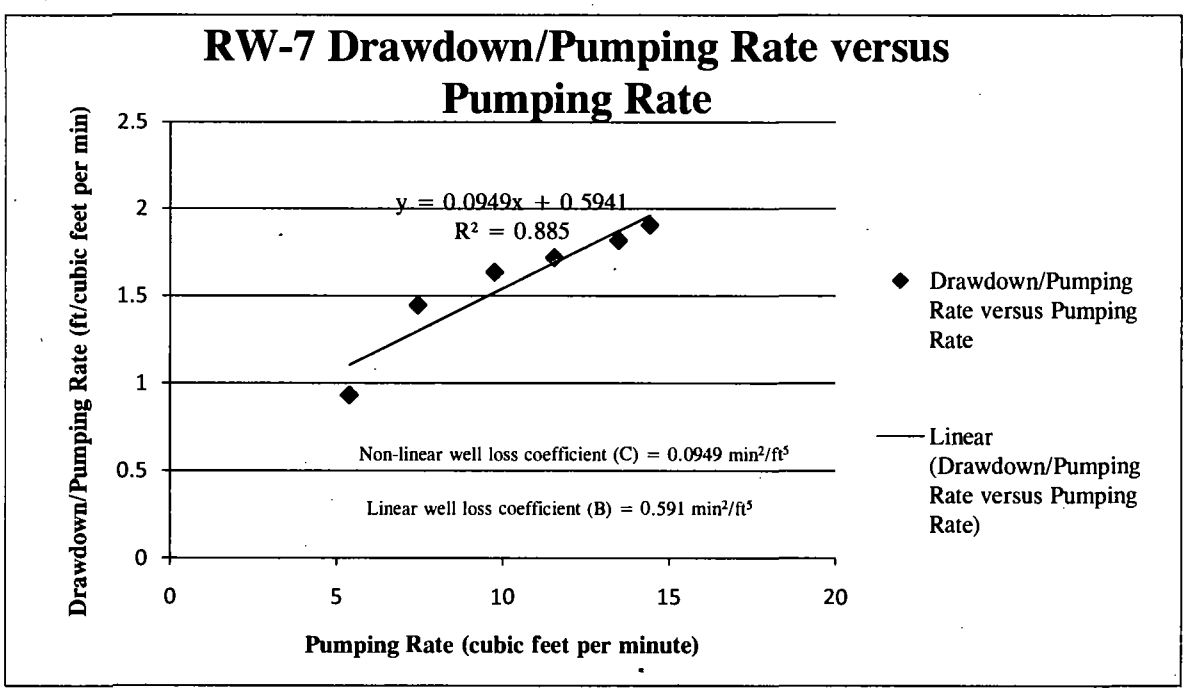

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Source: HGL

HGL HydroGeoLogic, Inc

Legend

min = Minutes

ft = Feet

Figure 3.2
RW-2 and RW-7
Step-Drawdown
Test Well Loss Graphs

4.0 SUMMARY AND CONCLUSIONS

Fifteen new monitoring wells were nested in the three aquifers at each of five locations on site. These wells were installed at select locations for the primary purpose of collecting water level data from pumping tests conducted at the site. The monitoring wells installed into the upper and medial aquifers were screened at the base of these aquifers to coincide with the screen placement of the existing recovery wells used for the aquifer tests.

The objective of this data collection effort was to estimate aquifer parameters to support the evaluation of the influence of the OU1 GET system on the upper and medial aquifers. The 2010 Interim ROD concluded that a selected interim remedy would include continued operation of the existing GET system, and possibly expanding the system to improve performance. Determining the radius of influence of the existing GET system is critical to optimizing the locations and depths of any additional extraction wells.

Dedicated transducers were installed in the new monitoring wells to automate collection of water level data. Solar-powered telemetry stations were constructed adjacent to the five new well clusters and at the four existing multilevel well locations that were already equipped with dedicated transducers. The transducer data was transmitted wirelessly to the GET system PLC for compilation. Additional programming was added to the PLC to carry out and gather data from step-drawdown, constant-rate, and full GET system pumping tests.

The discrete pumping tests were conducted using recovery wells RW-2 in the upper aquifer and RW-7 in the medial aquifer. Initially, step-drawdown tests were performed concurrently at both wells to determine optimal pumping rates for the constant-rate tests. The AQTESOLV 4.5 software was employed to analyze pumping tests data.

An attempt was made to apply a barometric correction to pumping test water level datasets due barometric pressure fluctuations. However, the evaluation of the barometric pressure and water level data has led EPA and HGL to believe an error in the programming or sensors at the PLC is occurring in the logged data. No correction was applied to the pumping test data; however, the influence on the estimated aquifer parameters is not expected to be significant. Barometric efficiencies were calculated from gauged pressure transducers. The barometric efficiencies calculated for both the upper and medial aquifers using several datasets ranged between 0.44 and 0.71. These are within the range of typical values.

The RW-2 constant-rate test was conducted at a pumping rate of approximately 9.5 gpm after the pumping rate stabilized. The RW-7 constant-rate test was conducted at a pumping rate of approximately 100 gpm. Also, average specific capacities estimated based on the step-drawdown tests for RW-2 and RW-7 were 5.0 gpm/ft and 4.45 gpm/ft, respectively. From the step-drawdown dataset, well loss coefficients were estimated using the Bierschenk graphical method for comparison to those derived using the AQTESOLV software.

For the RW-2 pumping test conducted in the upper aquifer, MW-49B was the only monitoring well with drawdown. The average upper aquifer K value calculated from the three analyses conducted on the constant-rate pumping test data was 24.5 ft/day. This is fairly consistent with the average upper aquifer K value of 46 ft/day measured by EPA for the RI using the bi-chamber dipole flow testing analysis in well MW-33, a hydraulic testing well located at the northwestern perimeter of the site property (Figure 2.1). The geotechnical analysis of an aquifer sample collected from the screened interval of MW-49B had a K value of 48.5 ft/day, which also is consistent with the two field-derived measurements.

An attempt was made to estimate well efficiency using the average specific capacity estimated from the step-drawdown test, and the average transmissivity and specific yield from the constant-rate test data analyses. However, the relationship between the measured and theoretical specific capacities was not as expected, which may indicate there is some uncertainty in the applicability of the calculations employed for estimating well efficiency, or in the estimated aquifer parameters. Aquifer parameters derived from constant-rate data analysis are generally considered more accurate than those estimated from step-drawdown pumping test data.

During the constant-rate test at RW-7 for the medial aquifer, drawdown was observed in two monitoring wells, MW-13C and MW-50C, the average K value for the three MW-13C data analyses was 249.4 ft/day; while the average K value for the same three analyses for the MW-50C dataset was 164.7 ft/day. In contrast, an average medial aquifer K value of 98 ft/day was measured by EPA for the RI using the bi-chamber dipole flow testing analysis in well MW-33. The geotechnical analysis of an aquifer sample collected from the screened interval of MW-50C had a K value of 58.7 ft/day. Given that the geotechnical sample was disturbed, these K values are marginally valid in comparison to the pumping test-derived aquifer parameters. An acceptable K value for the medial aquifer would be an average of the three field-derived measurements, which would yield a K value of 171 ft/day. This should be a relatively conservative K value on which to model groundwater flow in the medial aquifer.

Using the ratio of the average actual specific capacity to the theoretical specific capacity, the RW-7 well efficiency was determined to be 33 percent. This is considered to be a representative value for this medial aquifer groundwater recovery well.

A full GET system test also was conducted after the discrete pumping tests. Groundwater levels were monitored in 36 monitoring wells throughout the site. These data, along with the K values obtained from the AQTESOLV 4.5 analyses, will be used in an analytical model to evaluate GET system effectiveness to contain contaminated groundwater to the site. Ultimately, this information will inform the RD for placement of additional recovery wells to enhance GET system performance. A memorandum report will be submitted to EPA under separate cover that describes the results of the groundwater model and hydraulic containment.

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APPENDIX A

PHOTOGRAPHIC DOCUMENTATION

US EPA ARCHIVE DOCUMENT

Garvey Elevator Site
Hastings, Nebraska

Photograph No.: 1	Photographer: J. Gadt	Date: 11-15-2010	Contract: EPA AES
	Direction: Northwest	Time: NA	Project No.: EP009-046
Description: Rotosonic drilling at MW-49B/C/D.			

Photograph No.: 2	
Photographer: J. Gadt	Date: 11-17-10
	Time: NA
Direction: West	Contract: EPA AES
	Project No.: EP009-046
Description: Rotosonic drilling at MW-49B/C/D.	

US EPA ARCHIVE DOCUMENT

Garvey Elevator Site
Hastings, Nebraska

Photograph No.: 3	Photographer: J. Gadt	Date: 11-19-2010	Contract: EPA AES
	Direction: North	Time: NA	Project No.: EP009-046
Description: MW-49B/C/D after the drilling is complete.			

Photograph No.: 4	Photographer: J. Gadt	Date: 11-19-10	Contract: EPA AES
	Direction: Northeast	Time: NA	Project No.: EP009-046
Description: DPT drilling at SB-13 beside the flat storage building.			

US EPA ARCHIVE DOCUMENT

Garvey Elevator Site
Hastings, Nebraska

Photograph No.: 5	Photographer: J. Gadt	Date: 11-19-2010	Contract: EPA AES
	Direction: Northwest	Time: NA	Project No.: EP009-046
Description: DPT groundwater sampling at SB-29 located east of the scale house (in background).			

Photograph No.: 6	
Photographer: J. Gadt	Date: 11-21-10
	Time: NA
Direction: Northeast	Contract: EPA AES
	Project No.: EP009-046
Description: Installing MW-50D screen and casing	

US EPA ARCHIVE DOCUMENT

Garvey Elevator Site
Hastings, Nebraska

Photograph No.: 7	Photographer: J. Gadt	Date: 11-22-10	Contract: EPA AES
	Direction: Southeast	Time: NA	Project No.: EP009-046

Description: Drilling 9-inch override casing at MW-48B/C/D.

Photograph No.: 8	Photographer: J. Gadt	Date: 11-22-10	Contract: EPA AES
	Direction: Northwest	Time: NA	Project No.: EP009-046

Description: Drilling 9-inch override casing at MW-48B/C/D.

Garvey Elevator Site
Hastings, Nebraska

Photograph No.: 9	Photographer: E. Underkoffler	Date: 12/3/10	Contract: EPA AES
	Direction: Down	Time: NA	Project No.: EP009-046
Description: Surge block tool used during well development.			

Photograph No.: 10	Photographer: E. Underkoffler	Date: 12/3/10	Contract: EPA AES
	Direction: Down	Time: NA	Project No.: EPA009-034
Description: MRGA Monsoon Pump use for well development.			

US EPA ARCHIVE DOCUMENT

Garvey Elevator Site
Hastings, Nebraska

Photograph No.: 11	Photographer: E. Underkoffler	Date: 12/3/10	Contract: EPA AES
	Direction: Down	Time: NA	Project No.: EP009-046
Description: Grundfos Rediflow pump and reel used for well development.			

Photograph No.: 12	
Photographer: E. Underkoffler	Date: 12-4-10
	Time: NA
Direction: Southeast	Contract: EPA AES
	Project No.: EP009-046
Description: Surging during development at MW-49B/C/D.	

US EPA ARCHIVE DOCUMENT

US EPA ARCHIVE DOCUMENT

Garvey Elevator Site
Hastings, Nebraska

Photograph No.: 13	
Photographer: E. Underkoffler	Date: 12-7-10
	Time: NA
Direction: South	Contract: EPA AES
	Project No.: EP009-046
Description: Development of MW-49C.	

Photograph No.: 14	
Photographer: E. Underkoffler	Date: 12-7-10
	Time: NA
Direction: Down	Contract: EPA AES
	Project No.: EP009-046
Description: Waterra Hydroflow II pump setup for well development.	

Garvey Elevator Site
Hastings, Nebraska

Photograph No.: 15	Photographer: S. Holmes	Date: 12/12/10	Contract: EPA AES
	Direction: West	Time: NA	Project No.: EP009-046
Description: Well development at MW-47B/C/D.			

Photograph No.: 16	Photographer: S. Holmes	Date: 12/13/10	Contract: EPA AES
	Direction: West	Time: NA	Project No.: EP009-046
Description: Installing protective casing, bollards, and well pad at MW-47B/C/D.			

Garvey Elevator Site
Hastings, Nebraska

Photograph No.: 17	Photographer: S. Holmes	Date: 12/13/10	Contract: EPA AES
	Direction: South	Time: NA	Project No.: EP009-046

Description: Installing protective casing, bollards, and well pad at MW-47B/C/D.

Photograph No.: 18	Photographer: J. Gadt	Date: 03/22/11	Contract: EPA AES
	Direction: Northwest	Time: NA	Project No.: EP009-046

Description: Augering telemetry post hole at MW-19A/C.

US EPA ARCHIVE DOCUMENT

Garvey Elevator Site
Hastings, Nebraska

Photograph No.: 19	Photographer: J. Gadt	Date: 03/22/11	Contract: EPA AES
	Direction: Down	Time: NA	Project No.: EP009-046
Description: Installing telemetry post base in concrete at MW-49B/C/D.			

Photograph No.: 20	Photographer: J. Gadt	Date: 04/12/11	Contract: EPA AES
	Direction: East	Time: NA	Project No.: EP009-046
Description: Drilling horizontal boring from MW-47 telemetry station to RW-1.			

US EPA ARCHIVE DOCUMENT

Garvey Elevator Site
Hastings, Nebraska

Photograph No.: 21	Photographer: J. Gadt	Date: 04/12/11	Contract: EPA AES
	Direction: North	Time: NA	Project No.: EP009-046
Description: Drilling horizontal boring from MW-47 telemetry station to RW-1.			

Photograph No.: 22	Photographer: J. Gadt	Date: 04/12/11	Contract: EPA AES
	Direction: North	Time: NA	Project No.: EP009-046
Description: Feeding conduit for RW-1 transducer through horizontal boring to MW-47B/C/D telemetry station.			

US EPA ARCHIVE DOCUMENT

Garvey Elevator Site
Hastings, Nebraska

Photograph No.: 23	Photographer: J. Gadt	Date: 04/12/11	Contract: EPA AES
	Direction: Down	Time: NA	Project No.: EP009-046
Description: Feeding conduit for RW-1 transducer through horizontal boring to MW-47B/C/D telemetry station.			

Photograph No.: 24	Photographer: J. Gadt	Date: 04/11/11	Contract: EPA AES
	Direction: East	Time: NA	Project No.: EP009-046
Description: Telemetry instruments/equipment staged in on-site quonset hut; north installation of Gateway receiver device in left background			

US EPA ARCHIVE DOCUMENT

US EPA ARCHIVE DOCUMENT

Garvey Elevator Site
Hastings, Nebraska

Photograph No.: 25	
Photographer: J. Gadt	Date: 04/11/11
	Time: NA
Direction: Northeast	Contract: EPA AES
	Project No.: EP009-046
Description: Installation of telemetry equipment and solar panels at MW-49B/C/D	

Photograph No.: 26	
Photographer: J. Gadt	Date: 04/11/11
	Time: NA
Direction: Southwest	Contract: EPA AES
	Project No.: EP009-046
Description: Installation of telemetry equipment and solar panels at MW-49B/C/D	

US EPA ARCHIVE DOCUMENT

Garvey Elevator Site
Hastings, Nebraska

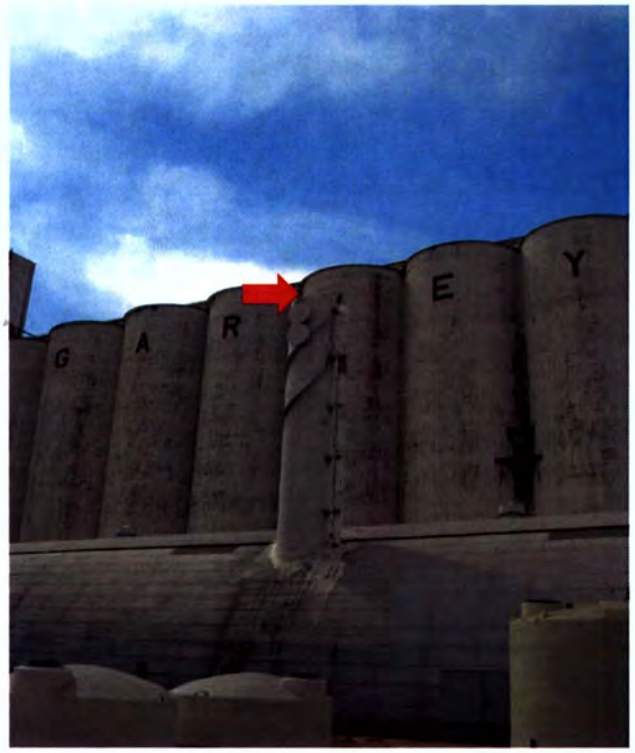
Photograph No.: 27	
Photographer: J. Gadt	Date: 04/13/11
	Time: NA
Direction: Northwest	Contract: EPA AES
	Project No.: EP009-046
Description: Telemetry equipment installed at MW-19A/C	

Photograph No.: 28	
Photographer: J. Gadt	Date: 04/13/11
	Time: NA
Direction: West	Contract: EPA AES
	Project No.: EP009-046
Description: Telemetry equipment installed at MW-20A/C/D/E	

US EPA ARCHIVE DOCUMENT

Garvey Elevator Site
Hastings, Nebraska

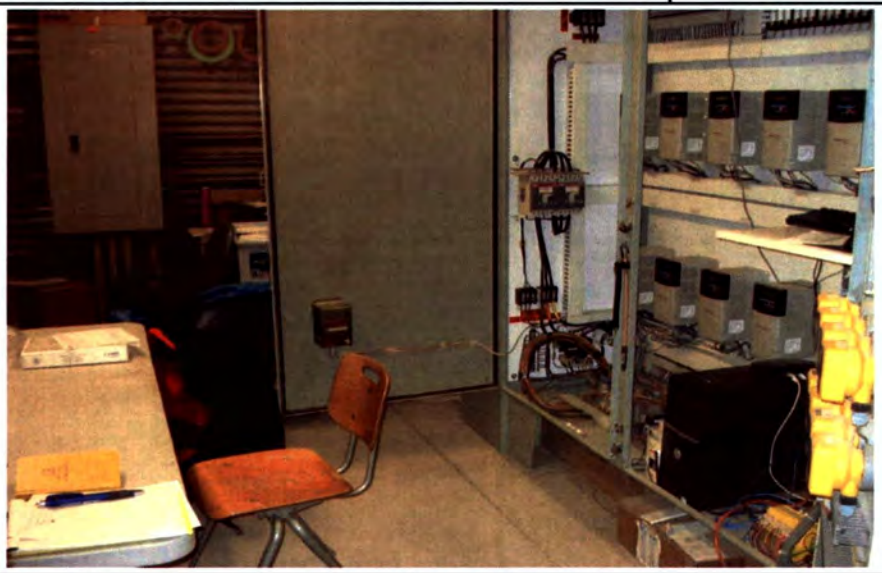
Photograph No.: 29	
Photographer: J. Gadt	Date: 04/11/11
	Time: NA
Direction: East	Contract: EPA AES
	Project No.: EP009-046
Description: Installation of Gateway receiver device and ethernet cable to system room.	



Photograph No.: 30	
Photographer: J. Gadt	Date: 04/11/11
	Time: NA
Direction: Southeast	Contract: EPA AES
	Project No.: EP009-046
Description: GET system packed tower stripper on which the antenna for the telemetry system is installed. The arrow indicates the location of the antenna.	

Garvey Elevator Site
Hastings, Nebraska

Photograph No.: 31	Photographer: J. Gadt	Date: 04/28/11	Contract: EPA AES
	Direction: East	Time: NA	Project No.: EP009-046
Description: Verifying data collection at MW-3A/B/D from temporary dataloggers installed for RW-1 constant rate pumping test.			



Photograph No.: 32	Photographer: J. Gadt	Date: 04/30/11	Contract: EPA AES
	Direction: NA	Time: NA	Project No.: EP009-046
Description: GET system room where automated pumping tests were monitored.			

US EPA ARCHIVE DOCUMENT

US EPA ARCHIVE DOCUMENT

Garvey Elevator Site
Hastings, Nebraska

Photograph No.: 33	
Photographer: J. Gadt	Date: 05/12/11
	Time: NA
Direction: Northwest	Contract: EPA AES
	Project No.: EP009-046
Description: MW-50B/C/D telemetry station illustrating cross-bracing support for post.	

Photograph No.: 34	
Photographer: J. Gadt	Date: 05/12/11
	Time: NA
Direction: Northeast	Contract: EPA AES
	Project No.: EP009-046
Description: MW-47B/C/D telemetry station illustrating cross-bracing support for post.	

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APPENDIX B

BORING LOGS

HTW DRILLING LOG

HOLE NO. MW-47

1. COMPANY NAME HydroGeoLogic, Inc.	2. DRILLING CONTRACTOR Boart-Longyear	SHEET 1 of 6
3. PROJECT Garvey Elevator Remedial Design	4. LOCATION Hastings, NE	
5. NAME OF DRILLER Bill Beuning	6. MANUFACTIRERS DESIGNATION OF DRILL GP24-300RS	
7. SIZES & TYPES OF DRILLING, SAMPLING, AND DPT EQUIPMENT: Rotosonic Drilling Method, 4" core barrel, 5.5" override casing, 9" override casing	8. HOLE LOCATION Northeast of RW6	
	9. SURFACE ELEVATION 1929.95	
	10. DATE STARTED 12-7-10	11. DATE COMPLETED 12-9-10
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED 118	
13. DEPTH DRILLED INTO ROCK NA-0 ft	16. DEPTH TO WATER & TIME AFTER DRILLING COMPLETED	
14. TOTAL DEPTH OF HOLE 170.5	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (Specify)	OTHER (Specify)	OTHER	21. TOTAL CORE REC. %
	NA	NA	NA	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER	23. NAME OF INSPECTOR Jeff Gadt
		X		

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	95.0	**Well Graded Sand, SW** Loose, very pale yellow (10YR7/4) and brownish yellow 10 YR 6/6, fine to coarse, moist, thickly bedded, trace to few (4-8%) small and large gravel, sand rounded 90%, quartz, rounded	0.5				10:00 12-7-10: BLY begins upper drilling to advance 9" override casing to 95' bgs.
	96.0		2.8				Per Oct 2010 SAP, no lithology to be logged from 0-95 feet bgs
	97.0		0.6				
	98.0	Trace silty sand sand (98') light gray	1.7	10/10 ft at 10:15, 12-8-10			12-8-10 at 10:15: 9" override casing at 85'
	99.0	Iron staining at 99' (0.5') and gravelley. Some Gravel 6-15%, small to large up to 2"	3.4				
	100.0	**Poorly Graded Sand, SP** Medium dense, gray (10YR7/2), fine sand, moist, uniform, fluvial, sharp contact	2.5				Begin Sampling 95-105' interval
	101.0		0.0				
	102.0		0.0				

HTW DRILLING LOG

HOLE NO. MW-47

PROJECT | INSPECTOR | SHEET 2 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	103.0		0.4				
	104.0		0.8				
	105.0	**Well Graded Sand, SW** Loose to medium dense, light gray (10YR7/2), fine to medium sand, less sand, trace(<5%) small gravel throughout, fluvial	0.4				
	106.0		1.6				
	107.0		0.2				
	108.0		1.0				
	109.0	**Poorly Graded Sand, SP** Fine grained, medium dense, light gray (10 YR 7/2), moist, uniform, fluvial, sharp contact above and below	0.8	12/10, 2' sluff in sampler, 10:10, 12-8-10			
	110.0		0.3				
	111.0		0.3				
	112.0	**Well Graded Gravel with Sand, GW** Loose, light yellowish brown (2.5Y6/3) and multi colored, gravel small to large, moist, some medium to coarse sand (31-49%), fluvial, sharp contact	0.0				
	113.0	**Well Graded Sand with Gravel, SW** Loose to medium dense, pale yellow (2.5Y7/3), fine to coarse sand, moist, some (16-30%) small and large gravel, fluvial, sharp contact	0.1				
	114.0		0.1				
	115.0		0.9				
	116.0						

HTW DRILLING LOG

HOLE NO. MW-47

PROJECT | INSPECTOR | SHEET 3 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	117.0		5.1	12/10, 2' sluff in sampler, 11:10, 12-8-10			
			6.1				
	118.0	Wet. Same lithology as above					
			1.3				
	119.0	**Poorly Graded Sand and Silt, SP-SM** Dense, light gray (2.5 Y 7/2), fine sand, wet, massive, few silt, 6-15%, (fluvial/lacustrine?), possible sharp contacts above and below, varves observed laminated	0.8				
	120.0		1.3				
	121.0	**Well Graded Gravel with Sand, GW** Loose pale yellow (2.5Y 8/3) and multicolored, small and large gravel, (20% large gravel), wet, thickly bedded, little (16-30%) medium to coarse sand, fluvial, sharp contact above to gradual contact below	0.3				
	122.0		1.5				
	123.0	**Well Graded Sand with Gravel, SW** Loose, light brownish gray (2.5 Y6/2), medium to coarse sand, wet, thickly bedded, little 16-30% small gravel throughout trace coarse gravel (fluvial)	0.5				
	124.0		0.2				
	125.0		0.7				
	126.0	**Well Graded Gravel with Sand, GW** Loose, pale yellow 2.5 Y7/2 and multicolored, small and large gravel, 20% large gravel increasing with depth, wet, thickly bedded, little (16-30%) medium to coarse sand, fluvial, gradual contact above and below	0.9	9/10 Recovery, 14:15, 12-8-10			
	127.0		0.2				
	128.0	**Well Graded Sand, SW** Loose, light brownish gray 2.5 Y 6/2, wet, thickly bedded, few (6-15%) small gravel throughout, fluvial, sharp contact below.	1.4				
	129.0		0.4				
	130.0		1.1				

HTW DRILLING LOG

HOLE NO. MW-47

PROJECT | INSPECTOR | SHEET 4 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	131.0	**Silty Sand, SM** Dense, light gray 10 YR 6/2, fine sand, no plasticity, non-cohesive, bedded, little 16-30% silt, fluvial, sharp contacts above and below					9" override casing set at 132' bgs at 1515 on 12-8-10
	132.0	**Well Graded Sand, SW** Loose, light brownish-gray 2.5 Y 6/2, medium to coarse sand, wet, thickly bedded, few - 6-15% silts, few 5% small gravel, fluvial, grades to below over 131.5' to 132'	0.6				
	133.0	Grades to below and brownish yellow 10YR6/2	1.8				
	134.0	**Sandy Silt, ML** Stiff, light gray 10YR 6/2, wet,non-plastic,silty, cohesive when wet, thickly bedded, some 31-40% fine sand, trace medium sand, grades to below	0.8				
	135.0	**Well Graded Sand, SW** Loose, light brownish-gray, medium to coarse sand, wet, thickly bedded, few small to large gravel, fluvial, grades to below	0.1				
	136.0	**Well Graded Gravel with Sand, GW** Loose, pale yellow 2.5Y 7/2 and multicolored, wet, thickly bedded, some (16-30%) medium to coarse sand, sharp contact	0.0	2/10 at 16:00 on 12-8-10			think the poor recovery was because the SM plugged up the sampler, not allowing the sediment from 137-145 to push far.
	137.0						
	138.0	**Silty Sand, SM** Dense, very dark grayish-brown 10 YR 3/2, fine to medium sand, wet, no plasticity, not cohesive, thickly bedded					
	139.0						
	140.0			No recovery			
	141.0						
	142.0	No recovery					
	143.0			No recovery			
	144.0						MW-47

PROJECT | HOLE NO.

HTW DRILLING LOG

HOLE NO. MW-47

PROJECT | INSPECTOR | SHEET 5 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	145.0	**Well Graded Gravel, GW** Based on drillers feel and partial sample recovery, loose, multicolored, small and large, wet					
	146.0			5/10 at 16:30 on 12-8-10			
	147.0	**Poorly Graded Sand, SP** Based on Drillers feel and partial recovery: loose, yellowish brown, 2.5 Y6/4, medium to coarse sand, wet, few (6-15%) small gravel					Driller reports change in drilling at 147' and 151' with sampler, then reports definite change at 151' when running 6" casing
	148.0						
	149.0						
	150.0						
	151.0	**Silt, ML** Very stiff, light yellowish-brown 2.5Y6/4, wet, no plasticity, trace cohesive					
	152.0	uniform, trace fine sand, possibly varved, grades to below					12-9-10, 0930: 9" casing set at 152' bgs
	153.0	**Silty Sand, SM** Soft, light yellowish-brown, fine sand with some medium sand, grades to light gray 2.5 YR 7/2, wet, thickly bedded, some (31-40%) silt, grades to below					Driller reports top 4 feet of sample washed out when setting 9" casing at 152'
	154.0	**Well Graded Sand with Silt, SW** Loose, light gray 2.5 YR 7/2, wet, bedded, 16-30% silt					because the 6" casing dropped to 159' when drilling the 9" casing to 152
	155.0						not sure where remaining 3 feet of sample loss was from
	156.0						12-8-10, 1700: TD for day, 4x6 sampler at 155', 9" at 132.
	157.0						
	158.0			8/15 at 10:05 on 12-9-10			

HTW DRILLING LOG

HOLE NO. MW-47

PROJECT | INSPECTOR | SHEET 6 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	159.0						
	160.0	No recovery					
	161.0			No recovery			
	162.0	**Well Graded Sand, SW** Loose, light brownish-gray (10 YR 6/2), medium to coarse sand, wet, thickly bedded, few 6-15% small and large gravel, gravel increases downward, fluvial, gradual contact					
	163.0		0.3				
	164.0		0.3				
	165.0		0.3				
	166.0		1.0				
	167.0		0.6				
	168.0	**Well Graded Sand with Gravel, SW** Loose, light brownish-gray and milticolored, medium to coarse sand, wet, thickly bedded, some 6-49% small and large gravel throughout, 2" breccia gravel stone at 169.5'	0.6				
	169.0		0.7				
	170.0	TD 170.5' 12-9-10 at 10:15					
		Bottom of Boring					
	171.0						
	172.0						
	173.0						

HTW DRILLING LOG

HOLE NO. MW-48

1. COMPANY NAME HydroGeoLogic, Inc.	2. DRILLING CONTRACTOR Boart-Longyear	SHEET 1 of 6
3. PROJECT Garvey Elevator Remedial Design	4. LOCATION Hastings, NE	
5. NAME OF DRILLER Bill Beuning	6. MANUFACTIRERS DESIGNATION OF DRILL GP24-300RS	
7. SIZES & TYPES OF DRILLING, SAMPLING, AND DPT EQUIPMENT: Rotosonic Drilling Method, 4" core barrel, 5.5" override casing, 9" override casing	8. HOLE LOCATION South of RW-4 approximately 20'	
	9. SURFACE ELEVATION 1928.87	
	10. DATE STARTED 11-22-10	11. DATE COMPLETED 12-1-10
12. OVERBURDEN THICKNESS >170.5	15. DEPTH GROUNDWATER ENCOUNTERED	
13. DEPTH DRILLED INTO ROCK N/A-0 ft	16. DEPTH TO WATER & TIME AFTER DRILLING COMPLETED	
14. TOTAL DEPTH OF HOLE 170.5	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	

18. GEOTECHNICAL SAMPLES	DISTURBED 1	UNDISTURBED 2	19. TOTAL NUMBER OF CORE BOXES N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (Specify)	OTHER (Specify)	OTHER	21. TOTAL CORE REC. %
	NA	NA	NA	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER	23. NAME OF INSPECTOR Jeff Gadt
		X		

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	95.0	**Well Graded Sand; SW** Fine to coarse, trace fine gravel, loose, subangular, heavily iron-stained	0.0				Note: Lithology logged from ~95' bgs down per final SAP (Oct 2010).
	96.0	**Sand and Silt, SM** Fine to very fine sand, medium stiff, light olive brown (2.5Y5/3), grading into below					~1400, 11-22-10: Begin drilling 9" casing, 6" core bit. Core discharge to drums
	97.0						1725, 11-22-10: Stop drill for 1 day 9"/6" at 75' bgs
	98.0	**Poorly Graded Sand, SP** fine sand, few silt, trace medium sand, loose, light olive brown (2.5 Y5/3), grading into below					0740, 11-23-10: Begin drilling from 75' bgs.
	99.0			10/10			
	100.0		0.0				
	101.0						
	102.0						

HTW DRILLING LOG

HOLE NO. MW-48

PROJECT Garvey Elevator Remedial Design | INSPECTOR | SHEET 2 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	103.0						
	104.0						
	105.0		0.0				
	106.0						
	107.0						
	108.0	**Well Graded Sand, SW** Fine and medium, some coarse sand, trace fine gravel, loose, subrounded, light yellowish-brown (2.5Y6/3), grading into below					
	109.0			10/10			
	110.0		0.0				
	111.0	**Well Graded Sand, SW** Medium and coarse, some/few fine sand, trace to few fine gravel, multicolored					
	112.0						becoming damp
	113.0						
	114.0						
	115.0	Coarse sand and fine gravel increasing	0.0				
	116.0						

HTW DRILLING LOG

HOLE NO. MW-48

PROJECT Garvey Elevator Remedial Design | INSPECTOR | SHEET 3 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	117.0						
	118.0	**Poorly Graded Sand, SP** Medium grained, some fine, trace coarse, light gray					
	119.0			4/10			Not sure where lost sample. The four recovered feet were same as observed at 115' bgs. Believe lost bottom 6' of sample.
	120.0						
	121.0						
	122.0	No recovery					
	123.0						
	124.0						
	125.0	**Well Graded Sand, SW** Fine to coarse, trace fine gravel and silt, medium dense, subrounded to subangular, multicolored	0.0				
	126.0						
	127.0						
	128.0						
	129.0	**Sandy Clay, CL** Few silt, sand, fine grained, stiff, slight plasticity, olive gray (5Y5/2)		10/10			
	130.0		0.0				

HTW DRILLING LOG

HOLE NO. MW-48

PROJECT Garvey Elevator Remedial Design | INSPECTOR | SHEET 4 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	131.0	**Clayey and Silty Sand, SC/SM** Medium stiff, non-plastic, olive gray (5Y5/2), decreasing clay content towards 132.5', 132-132.5, heavily iron-stained					1500, 11-23-10: Advance 9" casing and seat at 130' bgs. 4x6 sampling going down.
	132.0						
	133.0	**Well Graded Sand, SW** Fine to coarse, some silt and trace fine to coarse gravel, multicolored					
	134.0						
	135.0	**Well Graded Sand with Gravel, SW** Medium dense, multicolored, wet, non-plastic, non-cohesive, sand fine to coarse, little (16-30%) small to large gravel	0.0				1540, 11-23-10: stop drilling for the day. 9" casing seated at 130' bgs. Sampled to 135' bgs.
	136.0						
	137.0		0.0				
	138.0						12-1-10, 0950: Resume drilling with 4x6" sampling from 135 to bottom of hole.
	139.0						
	140.0		0.0	10/10			
	141.0						
	142.0						
	143.0						
	144.0						

HTW DRILLING LOG

HOLE NO. MW-48

PROJECT Garvey Elevator Remedial Design | INSPECTOR | SHEET 5 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	145.0		0.0				
	146.0						
	147.0						
	148.0						12-1-10, 1335: 9" override casing seated in lower fine grain unit at 151' bgs
	149.0	**Poorly Graded Sand, SP** Medium dense, yellowish-brown, wet, non plasitic, non-cohesive, bedded, uniform, fine sand, fluvial	0.0				
	150.0	**Sandy Lean Clay with Gravel, CL** Very stiff, yellowish-brown (10YR5/4), moist, low to medium plasticity, cohesive, little gravel (16-30%) small to large, few sand (6-15%) fine, resedimented, sharp contact		10/10			
	151.0						Note: Geotechnical sample collected from 151-154' bgs.
	152.0	**Sandy Silt, ML** Stiff to very stiff, yellowish-brown (10YR5/4), moist, low to medium plasticity, cohesive, massive, some (31-49%) uniform fine sand, trace (> 5%) small gravel, fluvial, sharp contact					
	153.0						
	154.0	**Lean Clay with Sand, CL** Medium to high plasticity, sand 15-25% uniform fine	0.0				
	155.0	**Poorly Graded Sand, SP** Medium dense, yellowish-brown (10YR5/4), wet, non-plastic, noncohesive, uniform fine sand.					
	156.0						
	157.0	**Well Graded Sand, SW** Medium dense, very pale brown (10YR7/3), fine to medium grained, wet, non-plastic, non-cohesive, thickly bedded, alluvial, trace coarse grained sand					
	158.0			11/15			

HTW DRILLING LOG

HOLE NO. MW-48

PROJECT Garvey Elevator Remedial Design | INSPECTOR | SHEET 6 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	159.0						
	160.0						
	161.0						Note: Geotechnical base sample collected from 160-162' BGS and 1-5 gallon bucket geotechnical sample collected at 162 to 166 feet bgs.
	162.0						
	163.0						
	164.0	**Well Graded sand with Gravel, SW** Medium dense, multi-colored, non-cohesive, bedded, few (6-15%) small and large gravel, fluvial		11/15.5			
	165.0						
	166.0						
	167.0						
	168.0	No Recovery					
	169.0						
	170.0	TD @ 170.5 feet					
		Bottom of Boring					
	171.0						
	172.0						
	173.0						

HTW DRILLING LOG

HOLE NO. MW-49

1. COMPANY NAME HydroGeoLogic, Inc.	2. DRILLING CONTRACTOR Boart-Longyear	SHEET 1 of 6
3. PROJECT Garvey Elevator Remedial Design	4. LOCATION Hastings, NE	
5. NAME OF DRILLER Bill Beuning	6. MANUFACTIRERS DESIGNATION OF DRILL GP24-300RS	
7. SIZES & TYPES OF DRILLING, SAMPLING, AND DPT EQUIPMENT: Rotosonic Drilling Method, 4" core barrel, 5.5" override casing, 9" override casing	8. HOLE LOCATION west of RW-2	
	9. SURFACE ELEVATION 1929.34	
	10. DATE STARTED 11-15-10	11. DATE COMPLETED 11-17-10
12. OVERBURDEN THICKNESS N/A	15. DEPTH GROUNDWATER ENCOUNTERED	
13. DEPTH DRILLED INTO ROCK N/A-0 ft	16. DEPTH TO WATER & TIME AFTER DRILLING COMPLETED	
14. TOTAL DEPTH OF HOLE 170 bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	

18. GEOTECHNICAL SAMPLES	DISTURBED 2	UNDISTURBED 0	19. TOTAL NUMBER OF CORE BOXES N/A			
20. SAMPLES FOR CHEMICAL ANALYSIS	VOC: NA	METALS: NA	OTHER (Specify): NA	OTHER (Specify): NA	OTHER: NA	21. TOTAL CORE REC. %
22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL: X	OTHER	23. NAME OF INSPECTOR Jeff Gadt		

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	95.0	**Sand, SW** fine and medium, some coarse, few silt, loose, brown (10YR4/3)	0.0				Note: per Final SAP (Oct 2010), lithology from 0'-95' not sampled for lithology.
	96.0						1540: Begin drilling 6" override, no sampling.
	97.0	**Sand, SP** Fine, few medium, trace coarse, loose, some to few silt, grayish brown (10YR5/2)					1705: stop drilling at 95' bgs on 11/15/10
	98.0		0.0	17/20			11-16-10, 0730: Begin drilling from 95' bgs
	99.0	**Sand, SW** Fine and medium, some coarse, few silt, loose, brown (10YR4/3)					
	100.0						
	101.0	**Sand, SP** Fine, few medium, trace coarse, loose, some to few silt, grayish brown (10YR5/2)	0.0				
	102.0						

HTW DRILLING LOG

HOLE NO. MW-49

PROJECT Garvey Elevator Remedial Design | INSPECTOR Jeff Gadt | SHEET 2 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	103.0	**Sand, SW** Fine-grained, some medium-grained and few coarse-grained, trace silt, loose, grayish-brown (10YR5/2), trace cobbles at 106'					
	104.0		0.0				
	105.0						
	106.0						
	107.0		0.0				
	108.0	**Fine Sand, SP** Very fine, almost rock flour, few to trace fine gravel, coarse and medium sand, light gray 10YR7/2					
	109.0	**Sand, SW** Fine and medium, some coarse, trace fine gravel, loose, grayish-brown (10YR5/2)					
	110.0						
	111.0		0.0				
	112.0						
	113.0	No recovery		No recovery			
	114.0						
	115.0		0.0				
	116.0						

HTW DRILLING LOG

HOLE NO. MW-49

PROJECT Garvey Elevator Remedial Design | INSPECTOR Jeff Gadt | SHEET 3 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	117.0						
	118.0	**Sand, SW** Fine and medium, some coarse, trace fine gravel, loose, grayish brown (10YR5/2), grading into below					
	119.0			20/20	119-125' Geotech Sample, Vibratory Table Density, 0940, 11-16-10		
	120.0		0.0				
	121.0						
	122.0	**Sand, SW** Fine to coarse, trace fine gravel, loose, grayish brown (10YR5/2)					
	123.0						
	124.0	**Silt and Clay, ML/CL** Trace to few fine sand, medium plasticity, soft					
	125.0		0.0				
	126.0				125.5 to 127.5, Geotech Sample, 0940, 11-16-10		
	127.0	**Sand, SW** Fine to coarse, trace fine gravel, loose, grayish brown (10YR5/2), increasing coarse sand and fine gravel					
	128.0						
	129.0						
	130.0		0.0				

HTW DRILLING LOG

HOLE NO. MW-49

PROJECT Garvey Elevator Remedial Design | INSPECTOR Jeff Gadt | SHEET 4 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	131.0	**Fine Sand and Silt, ML** Some clay, trace medium and coarse sand, firm, non-plastic, light olive-brown (2.5Y5/3)					0915: Instruct BLY to set 8" override casing at 131' bgs
	132.0						1125: 8" casing set at 131' bgs; borehole open to 136' bgs.
	133.0						
	134.0	**Sand, SW** Fine to coarse, few fine gravel, trace coarse gravel					
	135.0		0.0				
	136.0			135-136' No recovery			
	137.0						
	138.0			19/20			
	139.0						
	140.0		0.0				
	141.0	**Sand, SW** Medium and coarse, some fine sand, trace fine gravel, loose, multicolored, grading into below					
	142.0						
	143.0						
	144.0						

HTW DRILLING LOG

HOLE NO. MW-49

PROJECT Garvey Elevator Remedial Design | INSPECTOR Jeff Gadt | SHEET 5 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	145.0		0.0				
	146.0	**Poorly Graded Sand, SP** Fine sand, some medium sand, trace coarse,medium dense, grayish-brown (2.5Y5/2)					
	147.0						
	148.0	**Sand, SW** Medium and coarse, some fine sand, trace fine gravel, loose, multicolored					
	149.0						
	150.0	**Very Fine Sand and Silt, ML** Trace clay, very stiff, olive-gray with orange mottling	0.0				
	151.0	**Poorly Graded Sand, SP** Fine sand, few silt, trace medium sand, trace silt nodules, light yellowish brown (2.5Y6/2)					
	152.0	**Fine Sand with Silt, SM/ML** Stiff, olive-gray (5Y5/2),grading into below					11-16-10, 1300: Stop 4x6 sampling for the day. Work on advancing the 9" casing. See logbook for details.
	153.0	**Silt and Very Fine Sand, ML** Few clay, very stiff, olive gray (5Y5/2)	0.0				
	154.0	**Well Graded Sand, SW** Fine and medium sand, few coarse sand, loose, grayish brown (2.5Y5/2)					
	155.0						11-17-10, 0835: 8" override to 151' bgs. 9" override to 105' bgs. Borehole TD=151', although drilled to 155'. Will clean out slough inside 6" casing, then continue coring from 155' bgs.
	156.0						
	157.0		0.0				
	158.0						

HTW DRILLING LOG

HOLE NO. MW-49

PROJECT Garvey Elevator Remedial Design | INSPECTOR Jeff Gadt | SHEET 6 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	159.0	Coarse sand content increasing					
	160.0		0.0				
	161.0						
	162.0						
	163.0						
	164.0			15/15			
	165.0	**Poorly Graded Sand, SP** Medium sand, some coarse sand, few fine sand, trace fine gravel, loose to medium dense, subrounded, multicolored	0.0				
	166.0						
	167.0						
	168.0						
	169.0						
	170.0	TD = 170 feet bgs	0.0				11-17-10, 0905
		Bottom of Boring					
	171.0						
	172.0						
	173.0						

HTW DRILLING LOG

HOLE NO. MW-50

1. COMPANY NAME HydroGeoLogic, Inc.	2. DRILLING CONTRACTOR Boart-Longyear	SHEET 1 of 6
3. PROJECT Garvey Elevator Remedial Design	4. LOCATION Hastings, NE	
5. NAME OF DRILLER Bill Beuning	6. MANUFACTIRERS DESIGNATION OF DRILL GP24-300RS	
7. SIZES & TYPES OF DRILLING, SAMPLING, AND DPT EQUIPMENT: Rotosonic Drilling Method; 4" Core Barrel; 5.5 " override casing; 9" override casing	8. HOLE LOCATION ~65' west of RW-7	
	9. SURFACE ELEVATION 1929.25	
	10. DATE STARTED 11-19-10	11. DATE COMPLETED 11-21-10
12. OVERBURDEN THICKNESS N/A	15. DEPTH GROUNDWATER ENCOUNTERED	
13. DEPTH DRILLED INTO ROCK N/A - 0 ft	16. DEPTH TO WATER & TIME AFTER DRILLING COMPLETED	
14. TOTAL DEPTH OF HOLE 170' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	

18. GEOTECHNICAL SAMPLES	DISTURBED 3	UNDISTURBED 0	19. TOTAL NUMBER OF CORE BOXES N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (Specify)	OTHER (Specify)	OTHER	21. TOTAL CORE REC. %
	NA	NA	NA	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER	23. NAME OF INSPECTOR Jeff Gadt
		X		

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	95.0						Note: per Final SAP (Oct 2010), lithology from 0'-95' bgs not logged.
	96.0						1235: Begin drilling, running in 9" casing without water.
	97.0	No recovery; sample fell out of core barrel					11-19-10, 1740: Stop drilling. Borehole and 9" casing to 85' bgs.
	98.0						11-20-10, 0715: Begin drilling.
	99.0						
	100.0	**Sand. SW** Fine to coarse, loose, subrounded, brown (10YR5/3)					
	101.0		0.0				0830: Putting sand catcher on to hold sand (dry) in core barrel. Logged disturbed sample (100-105').
	102.0						

HTW DRILLING LOG

HOLE NO. MW-50

PROJECT Garvey Elevator Remedial Design | INSPECTOR Jeff Gadt | SHEET 2 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	103.0			5/5			
	104.0	**Sand, SP** Fine to very fine, trace silt, loose, brown (10YR5/3)	0.0				
	105.0						
	106.0						
	107.0	**Sand, SW** Fine to coarse, loose, subrounded, brown (10YR5/3), iron-stained 106.5'-107'	0.0				
	108.0						
	109.0	**Sand, SP** Fine, few medium, trace coarse, loose, subrounded, light olive-brown (2.4Y5/3), grading into below					
	110.0		0.0				
	111.0			10/10			
	112.0						
	113.0	**Sand, SW** Fine to coarse, trace fine gravel, loose, subrounded, light olive-brown (2.5Y5/3)	0.0				
	114.0						
	115.0						
	116.0		0.0				

HTW DRILLING LOG

HOLE NO. MW-50

PROJECT Garvey Elevator Remedial Design | INSPECTOR Jeff Gadt | SHEET 3 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	117.0	Increasing fine gravel content, subangular and iron-stained					
	118.0	Silty clay, olive brown, maybe slough					
	119.0	**Sand, SW/SM** Light olive-brown (2.5Y5/3), fine to coarse, some fine gravel, some silt, subangular, medium dense, heavily iron staned and partially cemented		10/10			
	120.0		0.0				
	121.0	**Silty Clay**, dense					
	122.0						
	123.0	**Sand, SW/SM** Light olive brown (2.5Y5/3), fine to coarse, some fine gravel, some silt, subangular, medium dense, heavily iron-stained and partially cemented, sandy clay nodule at 125' bgs					
	124.0		0.0				Wet.
	125.0		0.0				Note: unsure if silty clay lenses/nodules are in place or slough migration.
	126.0						
	127.0	**Coarse Sand and Silt, SM** Some clay, some medium sand, dense, heavily iron-stained					
	128.0	**Silt and Fine Sand, SM/ML** Some clay, medium stiff, low plasticity, light olive-brown (2.5Y5/3),			128.5 to 130.5', 11-20-10, No Vibration Density		11-20-10, 1500: 9" casing set to 128.5' bgs. Switch to 4x6 sampling from 6" core barrel.
	129.0			10/10			
	130.0		0.0				

HTW DRILLING LOG

HOLE NO. MW-50

PROJECT Garvey Elevator Remedial Design | INSPECTOR Jeff Gadt | SHEET 4 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	131.0	Silt content and clay decreases after 131'					
	132.0						
	133.0						
	134.0						
	135.0		0.0				
	136.0	**Well Graded Sand, SW** Fine and medium sand, some coarse sand, fine to trace fine gravel, light olive-brown (2.5Y5/3), iron-stained, 132.5 to 133', grading into below					
	137.0						
	138.0						
	139.0						
	140.0		0.0				
	141.0						
	142.0				142 to 146.5', 11-20-10, 1620, Vibration Density		
	143.0	**Sand, SW** Medium and coarse, few fine sand and fine gravel, subrounded, loose, multicolored	0.0				
	144.0						

HTW DRILLING LOG

HOLE NO. MW-50

PROJECT Garvey Elevator Remedial Design | INSPECTOR Jeff Gadt | SHEET 5 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	145.0						
	146.0				145.5 to 147.5', 11-20-10, 1620, perm-eability, etc.		
	147.0	**Sand, SP** Fine, few medium, trace coarse					
	148.0	**Sand, SW** Medium and coarse, few fine sand and fine gravel, subrounded, loose, multicolored	0.0				
	149.0						
	150.0	**Sandy Clay, SC** Stiff, fine sand, olive-gray (5Y5/2), mottled with iron-staining		20/20			
	151.0						
	152.0						
	153.0	**Fine Sand, SP** Few silt and medium-grained sand, dense silt decreasing, medium sand increasing from 152', grading into below	0.0				
	154.0						1700: Stop drilling for the day.
	155.0		0.0				
	156.0						
	157.0	Trace fine gravel					
	158.0			7/15			

HTW DRILLING LOG

HOLE NO. MW-50

PROJECT Garvey Elevator Remedial Design | INSPECTOR Jeff Gadt | SHEET 6 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	159.0						
	160.0	**Fine Sand, SP** Few medium sand, trace coarse, loose, olive gray (5Y5/2)	0.0				
	161.0						
	162.0						
	163.0						
	164.0						
	165.0						
	166.0	No Recovery Sand trap in core barrel broke. Sample slipped out.					
	167.0						
	168.0						6" casing to 168'
	169.0						
	170.0	TD = 170 feet bgs Bottom of Boring					
	171.0						
	172.0						
	173.0						

HTW DRILLING LOG

HOLE NO. MW-51

1. COMPANY NAME HydroGeoLogic, Inc.	2. DRILLING CONTRACTOR Boart-Longyear	SHEET 1 of 6
3. PROJECT Garve Elevator Remedial Design	4. LOCATION Hastings, NE	
5. NAME OF DRILLER Bill Beuning	6. MANUFACTIRERS DESIGNATION OF DRILL GP24-300RS	
7. SIZES & TYPES OF DRILLING, SAMPLING, AND DPT EQUIPMENT: Rotosonic Drilling Method, 4" core barrel, 5.5" override casing, 9" override casing	8. HOLE LOCATION	
	9. SURFACE ELEVATION 1929.43	
	10. DATE STARTED 12-3-10	11. DATE COMPLETED 12-5-10
12. OVERBURDEN THICKNESS N/A	15. DEPTH GROUNDWATER ENCOUNTERED ~116-117' bgs	
13. DEPTH DRILLED INTO ROCK N/A - 0 ft	16. DEPTH TO WATER & TIME AFTER DRILLING COMPLETED	
14. TOTAL DEPTH OF HOLE 171.0	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	

18. GEOTECHNICAL SAMPLES	DISTURBED 0	UNDISTURBED 0	19. TOTAL NUMBER OF CORE BOXES N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (Specify)	OTHER (Specify)	OTHER	21. TOTAL CORE REC. %
	NA	NA	NA	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER	23. NAME OF INSPECTOR Jeff Gadt
		X		

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
-95.0	95.0	**Well Graded Fine Sand, SW** Loose, light gray (2.5YR7/2) with heavy iron staining yellowish-red (5YR5/8), moist, bedded, oxidized, trace small-large gravel, alluvial	0.0				Note: Lithology logged from ~95' down per Oct 2010 SAP
-96.0	96.0						12-4-10, 1030: 9" override casing set at 95' bgs.
-97.0	97.0	**Sandy Silt and Silty Sand, ML/SM** Loose and stiff, light olive-brown (5Y5/3), interbedded (6"), moist, sandy silt is medium plastic and cohesive, bedded, fluvial, grades to below	0.0				
-98.0	98.0	**Poorly Graded Sand, SP** Fine, loose, light olive-brown (2.5Y5/3), moist, non-plastic, noncohesive,uniform unit, trace(<5%) silt/clay and trace (<5%) medium sand, grading into below					
-99.0	99.0		0.0				
-100.0	100.0						
-101.0	101.0			10/10			
-102.0	102.0		0.0				

HTW DRILLING LOG

HOLE NO. MW-51

PROJECT Garvey Elevator Remedial Design | INSPECTOR Jeff Gadt | SHEET 2 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
-103.0	103.0						
-104.0	104.0		0.0				
-105.0	105.0						
-106.0	106.0	**Well Graded Sand, SW** Loose, light gray (2.5Y6/2), fine to medium sand, moist, thickly bedded to massive, trace coarse sand, trace small and large gravel, fluvial					
-107.0	107.0		7.2				
-108.0	108.0	**Lean Clay with Sand, CL** Soft, strong, brown (7.5YR4/6) and dark yellowish brown (10YR4/6), medium plasticity, cohesive, thinly bedded, weathered, iron-stained, resedimented, trace small gravel	0.0				
-109.0	109.0	**Well Graded Sand, SW** Loose, light gray (2.5Y6/2), fine to medium grained, rounded, moist, bedded, trace coarse sand, trace small-large gravel	0.0				
-110.0	110.0		0.0	10/10			
-111.0	111.0	**Poorly Graded Sand, SP** Loose, light gray (2.5Y6/2), fine-grained, moist, bedded, trace to few silt	0.0				
-112.0	112.0	**Well Graded Sand, SW** Loose, light gray (2.5Y 6/2), well-rounded, moist, trace small and large gravel, grading to below	0.0				
-113.0	113.0	**Well Graded Gravel with Sand, GW** Loose, multicolored, small to large gravel, moist, few to little (10-20%) medium to coarse sand					
-114.0	114.0		0.0				
-115.0	115.0	**Well Graded Sand, SW** Loose, light gray (2.5Y6/2), fine to coarse sand with trace small and large gravel					
-116.0	116.0		1.0				

HTW DRILLING LOG

HOLE NO. MW-51

PROJECT Garvey Elevator Remedial Design | INSPECTOR Jeff Gadt | SHEET 3 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
-117.0	117.0	**Well Graded Sand, SW** Loose, pale olive (5Y6/3), fine to medium grained, wet, trace coarse sand, trace small gravel, grading to below	2.0				
-118.0	118.0	**Well Graded Sand, SW** Loose, pale olive (5Y6/3), medium to coarse grained, trace fine sand, trace to few small gravel, trace coarse gravel, grading to below	0.7				
-119.0	119.0		0.8				Note: based on recovered sample it appears the bottom portion of sample (bottom 3 ft) was not recovered
-120.0	120.0	**Well Graded Gravel with Sand, GW** Loose, multicolored,small-large gravel, wet, massive, little (16-30%) medium to coarse sand, little (16-30%) large gravel	0.9	7/10			
-121.0	121.0		0.8				
-122.0	122.0		0.7				
-123.0	123.0	No recovery					
-124.0	124.0						
-125.0	125.0						9" override casing at 125', end of day, 12-4-10
-126.0	126.0	**Well Graded Sand, SW** Loose, multicolored, medium to coarse, wet, uniform, trace gravel, trace fine sand, abrupt contact	0.0				
-127.0	127.0		0.0				
-128.0	128.0	**Sandy Silt, ML** Soft to stiff, olive-gray (5Y5/2), wet low-medium plasticity, cohesive, massive, little to some (20-40%) fine sand, grades to below	0.0				12-5-10, 0900: Advance override casing to 128.5'
-129.0	129.0		0.0	9/10			
-130.0	130.0		0.0				

HTW DRILLING LOG

HOLE NO. MW-51

PROJECT Garvey Elevator Remedial Design | INSPECTOR Jeff Gadt | SHEET 4 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
-131.0	131.0	**Silty and Clayey Sand, SC/SM** Soft, olive-gray (5Y5/2), wet, non-plastic, cohesive, massive, fine sand, trace medium sand	0.0				
-132.0	132.0		0.0				
-133.0	133.0		0.0				
-134.0	134.0		0.0				
-135.0	135.0	**Well Graded Sand, SW** Medium dense, multicolored, medium to coarse sand, wet, trace small gravel, heavy iron-staining at 132.5'					12-4-10, 1730: TD at 135' with sampler.
-136.0	136.0						
-137.0	137.0						Per drillers feel, with 6" override casing, 135-140' push hard
-138.0	138.0						
-139.0	139.0	**Poorly Graded Sand (SP)** Light gray (2.5YR7/2), dense, fine-grained, trace medium sand		14/20			
-140.0	140.0						
-141.0	141.0						Based on surrounding lithology and drillers feel during 5.5" override casing advancement feel, 6' unrecoverd sample was from 140-149'. Interval of loose (SW)
-142.0	142.0						
-143.0	143.0						
-144.0	144.0						

HTW DRILLING LOG

HOLE NO. MW-51

PROJECT Garvey Elevator Remedial Design | INSPECTOR Jeff Gadt | SHEET 5 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
-145.0	145.0		0.0				
-146.0	146.0	**Well Graded Sand, SW** Loose, light yellowish-brown (2.5Y6/3), multicolored, medium to coarse grained, few (6-15%) small and large gravel, massive, wet					
-147.0	147.0						
-148.0	148.0						
-149.0	149.0						
-150.0	150.0						
-151.0	151.0	**Silty Sand, SM** Dense, pale brown, fine sand, wet, non-cohesive, non-plastic, massive, some (31-49%) silt, trace medium sand, (fluvial/lacustrin?)					12-5-10: 9" override casing advanced to 151' bgs
-152.0	152.0		0.0				
-153.0	153.0						
-154.0	154.0		0.0				
-155.0	155.0	**Well Graded Sand, SW** Medium dense, light yellowish-brown (2.5Y6/3), fine to medium grained, some coarse sand, wet					Note: driller reported he had to wash out casing prior to sample (top of sample appears washed out so called upper 2 feet no recovery.
-156.0	156.0						
-157.0	157.0						
-158.0	158.0		0.3	11/15			

HTW DRILLING LOG

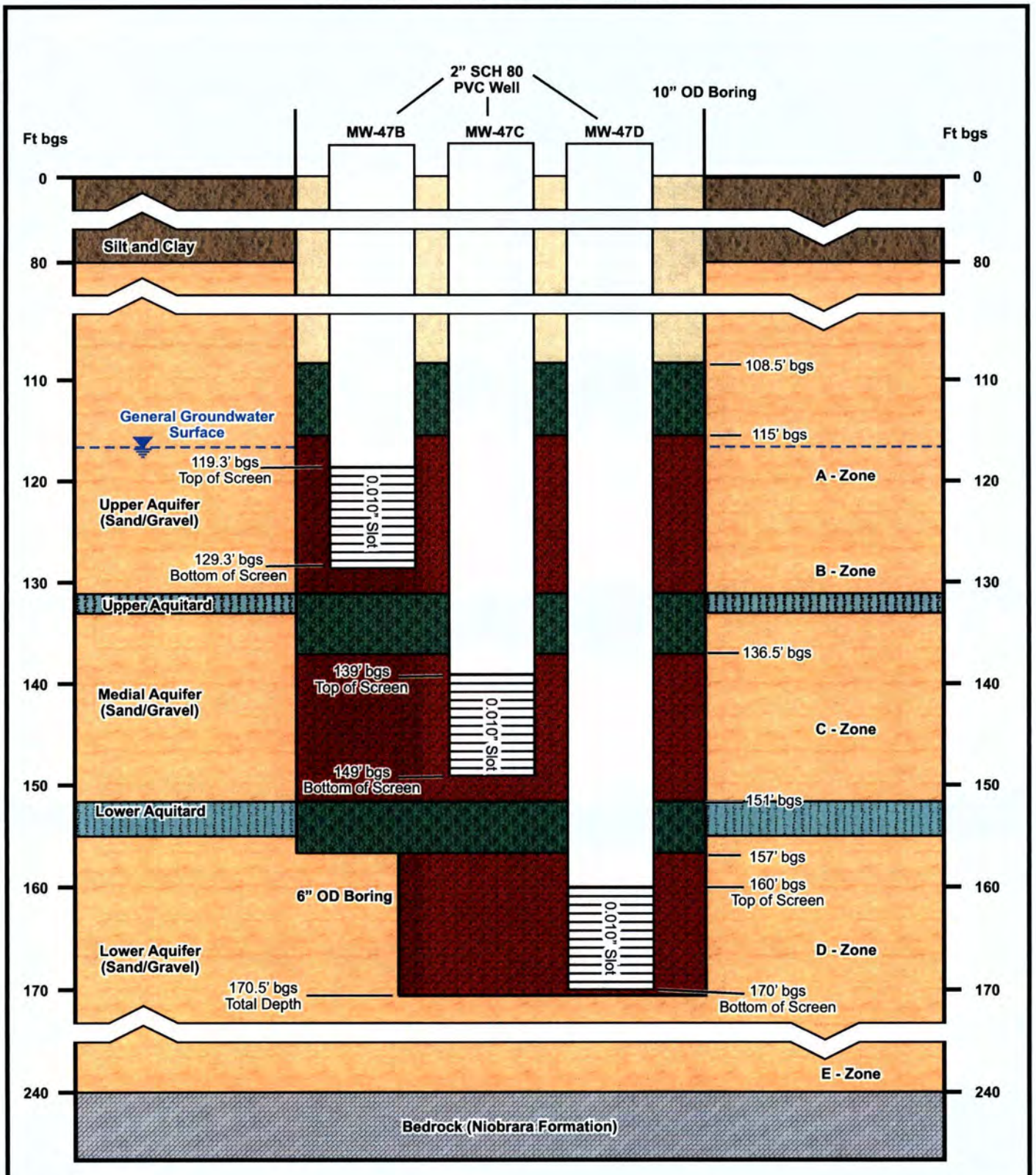
HOLE NO. MW-51

PROJECT Garvey Elevator Remedial Design | INSPECTOR Jeff Gadt | SHEET 6 of 6

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Recovery (ft) e	Analytical Sample No. f	Blow Counts g	REMARKS h
	159.0						
-160.0	160.0	**Well Graded Sand, SW** Loose to medium dense, pale brown with multicolored grains, fine to coarse grained, wet, non-plastic, noncohesive, bedded to thickly bedded, trace small gravel, fluvial, sharp contact below					
-161.0	161.0						
-162.0	162.0						
-163.0	163.0	**Poorly Graded Sand, SP** Dense, light yellowish-brown (2.5Y6/3), fine-grained, wet, non-plastic, non-cohesive,thinly bedded, trace (<5%) medium sand, fluvial, sharp contact below	0.5				
-164.0	164.0						
-165.0	165.0		0.5				
-166.0	166.0						
-167.0	167.0	**Well Graded Sand, SW** Loose, medium dense, pale brown, fine to coarse grained, wet, non-plastic, non-cohesive, trace fine gravel, bedded to thickly bedded with poorly graded sand (SP), fine-grained throughout fluvial, gradational contacts	0.4				
-168.0	168.0						
-169.0	169.0		0.1				
-170.0	170.0						Bottom of boring at 171', 1515
~~-171.0~~	~~171.0~~	Bottom of Boring					
-172.0	172.0						
-173.0	173.0						

APPENDIX C

MONITORING WELL CONSTRUCTION DIAGRAMS



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Revised: 07/26/11 SST
Source: HGL

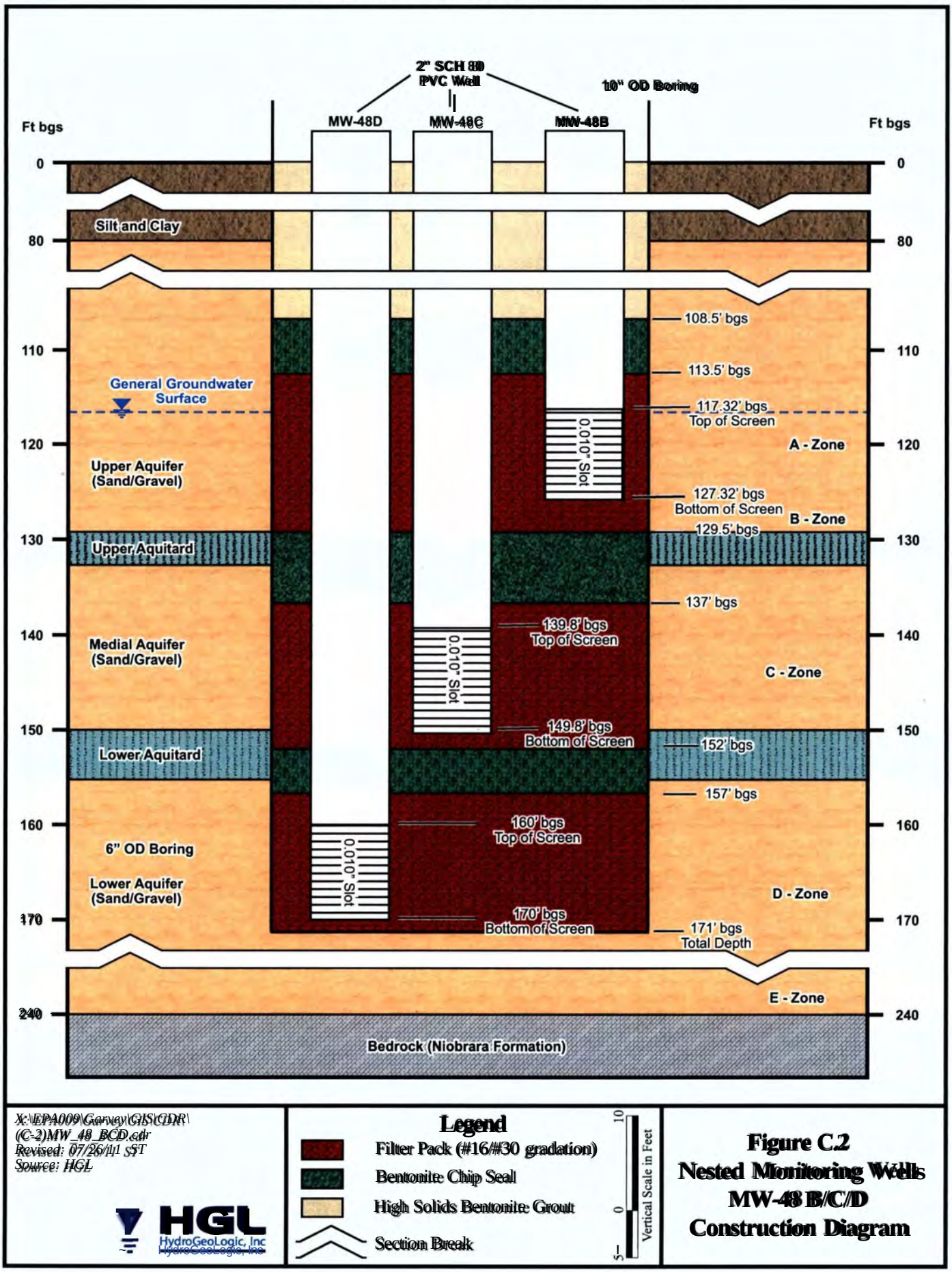
HydroGeoLogic, Inc

Legend

- Filter Pack (#16/#30 gradation)
- Bentonite Chip Seal
- High Solids Bentonite Grout
- Section Break

10 0 5 Vertical Scale in Feet

Figure C.1
Nested Monitoring Wells
MW-47 B/C/D
Construction Diagram



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Revised: 07/26/11 ST
Source: HGL

HydroGeoLogic, Inc

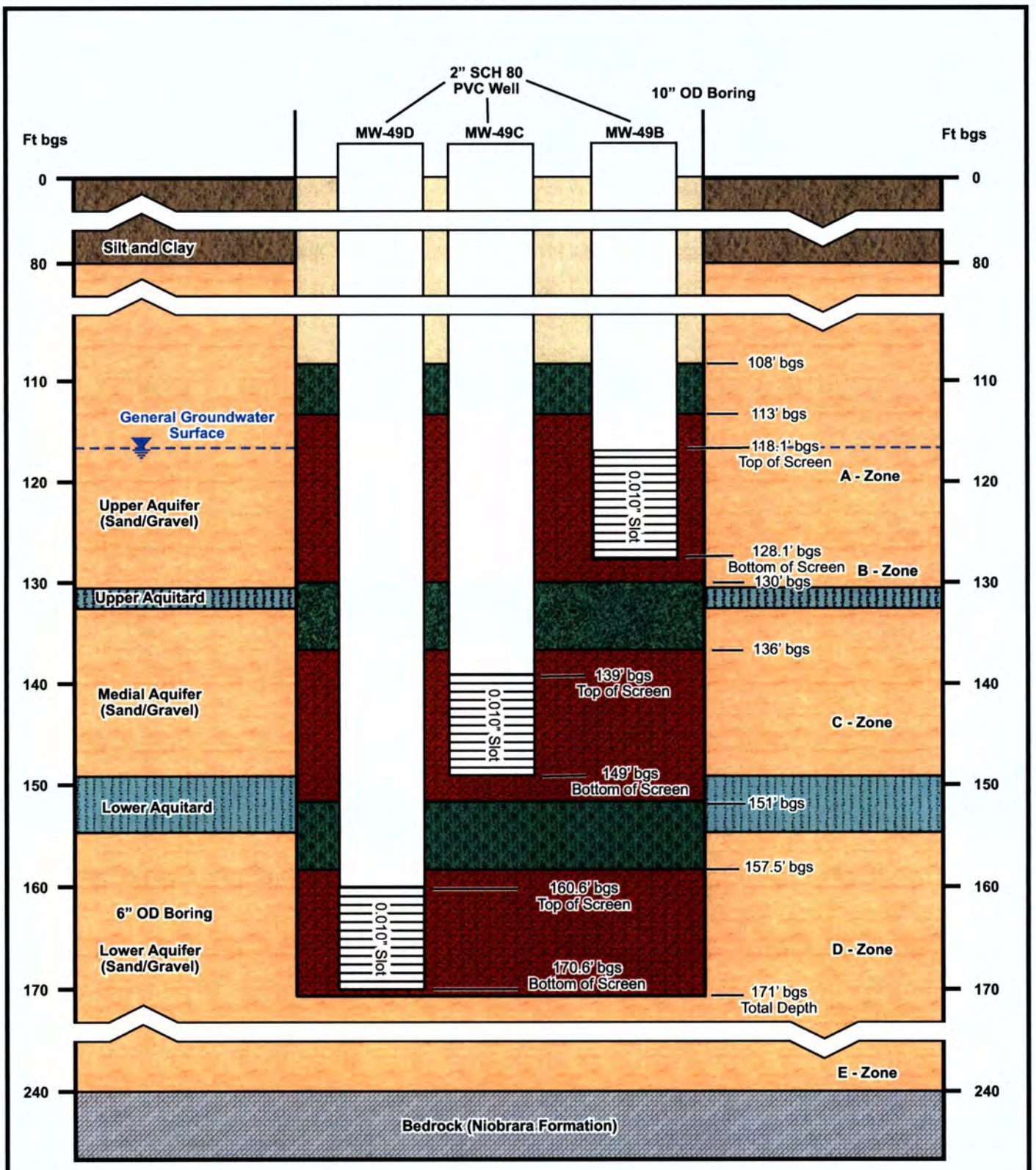
Legend

- Filter Pack (#16/#30 gradation)
- Bentonite Chip Seal
- High Solids Bentonite Grout
- Section Break

10 0 5 Vertical Scale in Feet

Figure C.2
Nested Monitoring Wells
MW-48 B/C/D
Construction Diagram

US EPA ARCHIVE DOCUMENT



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(C-3)MW_49_BCD.cdr
Revised: 07/26/11 ST
Source: HGL

HGL
HydroGeoLogic, Inc

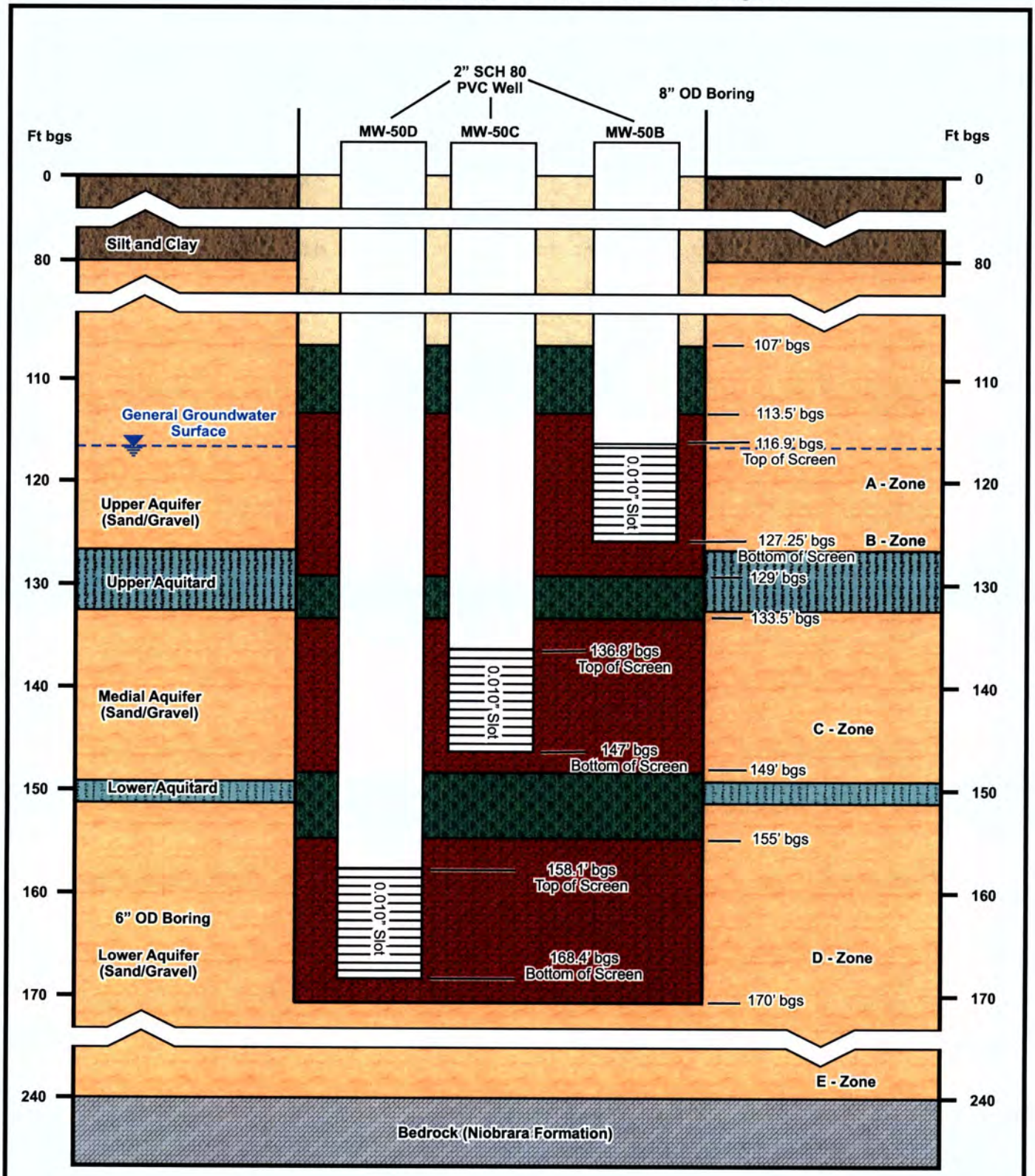
Legend

- Filter Pack (#16/#30 gradation)
- Bentonite Chip Seal
- High Solids Bentonite Grout
- Section Break

10 0 5 Vertical Scale in Feet

Figure C.3
Nested Monitoring Wells
MW-49 B/C/D
Construction Diagram

US EPA ARCHIVE DOCUMENT



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Revised: 07/26/11 ST
Source: HGL

HGL HydroGeoLogic, Inc

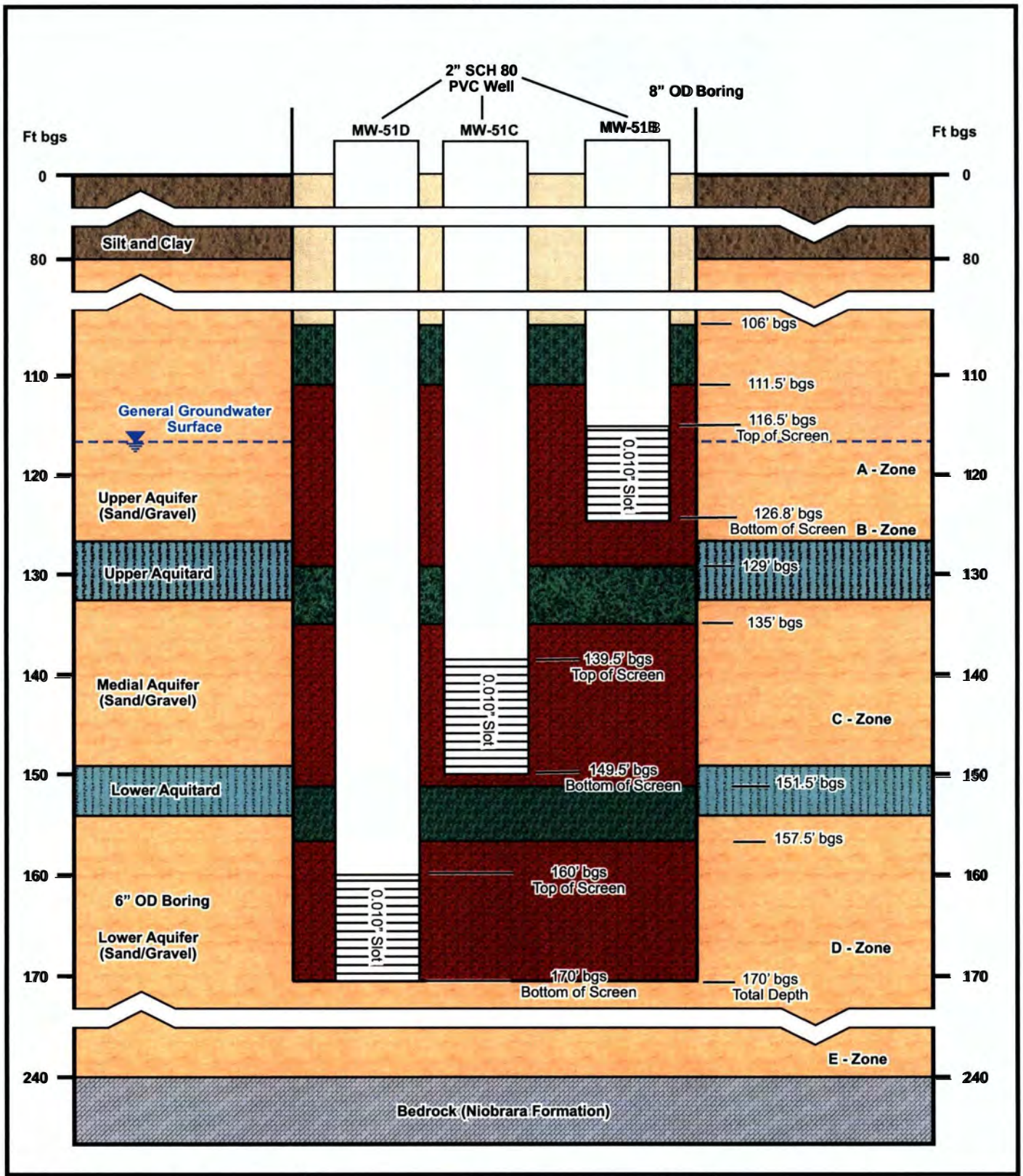
Legend

- Filter Pack (#16/#30 gradation)
- Bentonite Chip Seal
- High Solids Bentonite Grout
- Section Break

10 0 5 Vertical Scale in Feet

Figure C.4
Nested Monitoring Wells
MW-50 B/C/D
Construction Diagram

US EPA ARCHIVE DOCUMENT



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Revised: 07/26/11 ST
Source: HGL

HydroGeoLogic, Inc

Legend

- Filter Pack (#16/#30 gradation)
- Bentonite Chip Seal
- High Solids Bentonite Grout
- Section Break

Vertical Scale in Feet: 10 < 0 > 5

Figure C.5
Nested Monitoring Wells
MW-51 B/C/D
Construction Diagram

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APPENDIX D

NEBRASKA WELL REGISTRATION FORMS

Well Registration or Area Permit

Fee Paid: $70.00 HHSS Fee: $30.00
DNR Cash Fund: $18.50 WWDF: 21.50
Billing ID: 29756

[redacted]ce:	Nebraska On Line	Import Status:	Accepted	Use:	Monitoring (Ground Water Quality)	Owner ID:	102503
Import ID:	13000304754174	Status:	Active Registered Well	Decommission Date:	.	Registration Number:	G-158638
Well ID:	209850	NRD:	Little Blue			Registration Date:	3/14/2011
Last Change User:	PBonebright	Call Up Code:	.	Call Up Date:	.	Last Change Date:	3/15/2011

Owner:

	ContactID	Type	SeqNum	Begin Date	End Date	Name	
[redacted]	Display 102503	Owner	1	3/14/2011		United States Environmental Protection Agency Region VII,	[redacted]

Contractor:

Certificate ID	FirstName	LastName
39508	Steven D	Johnson

Drilling Firm:

	EmployerID	Employer
[redacted]	159514	Boart Longyear Drilling

A. Well Location: NE1/4NW1/4 of Section 23
Township 7 North, Range 10 (West E/W), Adams County
B. Natural Resource District: Little Blue

	Latitude	Longitude	
Well GPS Coordinates:	40° 33' 56.12"	-098° 24' 49.13"	GPS Required
Lat/Long DD	40.56559	-98.41365	

C. The well is: 830 feet from the N Section line and 2037 feet from the W section line.
D. Street address or block, lot and subdivision: Addr/Sub Div . Block No . Lot .
E. Location of water use, if applicable (give legal description): N/A
G. Well reference letter(s) if applicable: MW-47
W[redacted]n A Series
[redacted] Part of a Series with Site Plan: No

Series	# of Wells Reg	Total # Wells	Acres	Acres Cert	NRD Appr	StartDate	EndDate	Comment	Series Reg Num (External Source)	Code	Description	Wells in the Series			
208538			No	No		12/9/2010				PRO	Single Project	WellID	RegCD	StartDate	EndDate
												209850	G-158638	12/9/2010	

Permits

	Aprvd Date(s)		Aprvd Date(s)
Area Permit	. . .	SWater App Code	. . .
GeoPermit	. . .	Industrial	. . .
MWF	. . .	Transfer	. . .
WSP	. . .	Swater Conduct Code	. . .
HHSS	.	Other	. .
HHSS PWS ID	.	ITN	. .
NDEQ	.		

5. Purpose of Well Monitoring (Ground Water Quality)
Other Use .
Notes —

7. Replacement well information.
Well Considered a replacement by NRD(WellID, RegCD) .
A. Is this well a Replacement well? No Repl No . NRD Approval Date . Well Replacement Reg CD .
B. Registration number of abandoned well: .
Check Well
If not registered, date abandoned well was constructed .
C. Abandoned well last operated .
D. Replacement well is .feet from abandoned well.
E. Original well pump column size: .inches.
F. [ ] Original water well decommissioned .
[ ] I hereby certify that the original water well will be decommissioned within 180 days after such construction of the replacement water well.
[redacted] I hereby certify that the original water well will be modified and equipped to pump 50 gallons per [redacted]nute or less within 180 days after such construction of the replacement water well.
[ ] Livestock
[ ] Monitoring
[ ] Observation
[ ] Nonconsumptive or de minimus use approved by the applicable natural resources district. .

[ ] Decommission/Modification certification form is submitted by landowner (Must be submitted before registering well)

G. Location of water use of original well: .

Decommission Information

Decommission Date: . By

8. Pump Information.

A. Is Pump installed at this time? No

Pump present but Well Inactive: No

Free Flowing Well: No

Well active, no pump installed: Yes

B. License No.

CertificateID	FirstName	LastName	Employer
1		Owner drilled well &/or installed pump	Owner drilled well &/or installed pump

C. Pumping Rate . gallons per minute.

D. Pumping water level . feet.

E. Drop pipe diameter . inches.

F. Length of pipe . in feet.

G. Pump equipment installed: .

H. Pump Brand/Type .

I. This well wll be used to pump less than 50 gpm? Yes

9. Well Construction Information

A. Total well depth: 170.3 feet.

B. Static water level 117.1 feet.

C. Well Construction began: 12/9/2010

D. Well Construction Completed: 12/9/2010

E. Bore hole diameter in inches. Top 9 Bottom 6

F. Casing and Screen Joints are: Threaded

Other Joints description: .

H. Total Estimate Capacity of Well 5 gallons per minute.

I. Pumping water level at capacity: 0 feet.

10. Well Construction (Casing & Screen) - c, d, e & f measurements should be in inches to three decimal places

Record Count = 2

WellID	FromDepth*	ToDepth*	Case/Screen	InsideDiam	OutsideDiam	CaseThickness	ScrnSlotSize	Material	ScreenTname
209850	-2	160	casing	1.913	2.375	0.218		PVC	Johnson
209850	160	170.3	screen	1.913	2.375	0.218	0.01	PVC	Johnson

* are in Feet, all else is in inches

Additional Information (Table number 2)

Record Count = 2

WellID	FromDepth*	ToDepth*	Case/Screen	InsideDiam	OutsideDiam	CaseThickness	ScrnSlotSize	Material	ScreenTname
209850	-2	139	casing	1.91	2.38	0.218		PVC	Johnson
209850	139	149.3	screen	1.91	2.38	0.218	0.01	PVC	Johnson

* are in Feet, all else is in inches

Additional Information (Table number 3)

Record Count = 2

WellID	FromDepth*	ToDepth*	Case/Screen	InsideDiam	OutsideDiam	CaseThickness	ScrnSlotSize	Material	ScreenTname
209850	-2	119.3	casing	1.91	2.38	0.218		PVC	Johnson
209850	119.3	129.5	casing	1.91	2.38	0.218	0.01	PVC	Johnson

* are in Feet, all else is in inches

11. Grout and Gravel Pack

Record Count = 7

WellID	FromDepth	ToDepth	Grout/Gravel	Material Description[1]	Quantity Gravel[2]	Volume &Type Grout[3]
209850	0	108.5	grout	Grout		288 Gallons of Slurry
209850	108.5	115	grout	Cetco Pure Gold 3/8" Chip		2.25 Bags of Chips
209850	115	130.8	gravel	Best # 0	12 - 50lbs Bags	
209850	130.8	136.5	grout	Cetco Pure Gold 3/8" Chip		2.75 Bags of Chips
209850	136.5	151	gravel	Best # 0	13 - 50lbs Bags	
209850	151	157	grout	Cetco Pure Gold 3/8" Chip		2 Bags of Chips
209850	157	170.3	gravel	Best # 0	5 - 50 lbs Bags	

* are in Feet, all else is in inches

[1]Description of gravel pack, i.e. engineered gravel pack, or gravel pit description (1/4 down) or brand name (best sand) natural formation, drilling cuttings, soil backfill

[2]Quantity #cubic yards, #Tons, #Sacks - (for drilling cuttings and soil backfill estimate quantity) Calculation assistance available on web

[3]Volume & Type: #gallons of a slurry, #Barrels of a slurry, #sacks used in the slurry, #Bags of non-slurry bentonite (chip-pellet-granular)

12. Well Geologic Materials Logged

WellID	FromDepth*	ToDepth*	Type	Hardness	Color	Other/Drilling Action
209850	0	170.3	Sand with gravel	Loose	Gray	

* are in Feet.

Well Registration or Area Permit

Fee Paid: $70.00 HHSS Fee: $30.00
DNR Cash Fund: $18.50 WWDF: 21.50
Billing ID: 29757

[redacted]ce: Nebraska On Line | Import Status: Accepted | Use: Monitoring (Ground Water Quality) | Owner ID: 102503

Import ID: 130003432310300 | Status: Active Registered Well | Decommission Date: . | Registration Number: G-158639

Well ID: 209851 | NRD: Little Blue | Registration Date: 3/14/2011

Last Change User: PBonebright | Call Up Code: . | Call Up Date: . | Last Change Date: 3/15/2011

Owner:

	ContactID	Type	SeqNum	Begin Date	End Date	Name
[redacted] Display	102503	Owner	1	3/14/2011		United States Environmental Protection Agency Region VII,

Contractor:

Certificate ID	FirstName	LastName
39508	Steven D	Johnson

Drilling Firm:

	EmployerID	Employer
Delete	159514	Boart Longyear Drilling

A. Well Location: SE1/4NW1/4 of Section 23
Township 7 North, Range 10 (West E/W), Adams County

B. Natural Resource District: Little Blue

	Latitude	Longitude	
Well GPS Coordinates:	40° 33' 48.82"	-098° 24' 51.33"	GPS Required
Lat/Long DD	40.56356	-98.41426	

C. The well is: 1568 feet from the N Section line and 1870 feet from the W section line.

D. Street address or block, lot and subdivision: Addr/Sub Div . Block No . Lot .

E. Location of water use, if applicable (give legal description): N/A

G. Well reference letter(s) if applicable: MW-48

[redacted]n A Series

Well Part of a Series with Site Plan: No

Series	# of Wells	Reg Total # Wells	Acres	Acres Cert	NRD Appr	StartDate	EndDate	Comment	Series Reg Num (External Source)	Code	Description
208539			No	No		12/2/2010				PRO	Single Project

Wells in the Series

WellID	RegCD	StartDate	EndDate
209851	G-158639	12/2/2010	

Permits

	Aprvd Date(s)		Aprvd Date(s)
Area Permit	. . .	SWater App Code	. . .
GeoPermit	. . .	Industrial	. . .
MWF	. . .	Transfer	. . .
WSP	. . .	Swater Conduct Code	. . .
HHSS	.	Other	. .
HHSS PWS ID	.	ITN	. .
NDEQ	.		

5. Purpose of Well: Monitoring (Ground Water Quality)
Other Use .
Notes —

7. Replacement well information.

Well Considered a replacement by NRD(WellID, RegCD) .

A. Is this well a Replacement well? No Repl No . NRD Approval Date . Well Replacement Reg CD .

B. Registration number of abandoned well: .

Check Well

If not registered, date abandoned well was constructed .

C. Abandoned well last operated .

D. Replacement well is .feet from abandoned well.

E. Original well pump column size: .inches.

F. [ ] Original water well decommissioned .
[ ] I hereby certify that the original water well will be decommissioned within 180 days after such construction of the replacement water well.
[redacted] I hereby certify that the original water well will be modified and equipped to pump 50 gallons per minute or less within 180 days after such construction of the replacement water well.

[ ] Livestock
[ ] Monitoring
[ ] Observation

[ ] Nonconsumptive or de minimus use approved by the applicable natural resources district. .

[ ] Decommission/Modification certification form is submitted by landowner (Must be submitted before registering well)

G. Location of water use of original well: .

Decommission Information

Decommission Date: . By

8. Pump Information.

A. Is Pump installed at this time? No

Pump present but Well Inactive: No

Free Flowing Well: No

Well active, no pump installed: Yes

B. License No.

CertificateID	FirstName	LastName	Employer
1	Owner drilled well &/or installed pump	Owner drilled well &/or installed pump	

C. Pumping Rate . gallons per minute.

D. Pumping water level . feet.

E. Drop pipe diameter . inches.

F. Length of pipe . in feet.

G. Pump equipment installed: .

H. Pump Brand/Type .

I. This well wll be used to pump less than 50 gpm? Yes

9. Well Construction Information

A. Total well depth: 170.3 feet.

B. Static water level 116.3 feet.

C. Well Construction began: 12/1/2010

D. Well Construction Completed: 12/2/2010

E. Bore hole diameter in inches. Top 9 Bottom 6

F. Casing and Screen Joints are: Threaded

Other Joints description: .

H. Total Estimate Capacity of Well 5 gallons per minute.

I. Pumping water level at capacity: 0 feet.

10. Well Construction (Casing & Screen) - c, d, e & f measurements should be in inches to three decimal places

Record Count = 2

WellID	FromDepth*	ToDepth*	Case/Screen	InsideDiam	OutsideDiam	CaseThickness	ScrnSlotSize	Material	ScreenTname
209851	-2	160	casing	1.913	2.375	0.218		PVC	Johnson
209851	160	170.3	screen	1.913	2.375	0.218	0.01	PVC	Johnson

* are in Feet, all else is in inches

Additional Information (Table number 2)

Record Count = 2

WellID	FromDepth*	ToDepth*	Case/Screen	InsideDiam	OutsideDiam	CaseThickness	ScrnSlotSize	Material	ScreenTname
209851	-2	139.8	casing	1.91	2.38	0.218		PVC	Johnson
209851	139.8	150	screen	1.91	2.38	0.218	0.01	PVC	Johnson

* are in Feet, all else is in inches

Additional Information (Table number 3)

Record Count = 2

WellID	FromDepth*	ToDepth*	Case/Screen	InsideDiam	OutsideDiam	CaseThickness	ScrnSlotSize	Material	ScreenTname
209851	-2	117.3	casing	1.91	2.38	0.218		PVC	Johnson
209851	117.3	127.5	casing	1.91	2.38	0.218	0.01	PVC	Johnson

* are in Feet, all else is in inches

11. Grout and Gravel Pack

Record Count = 7

WellID	FromDepth	ToDepth	Grout/Gravel	Material Description[1]	Quantity Gravel[2]	Volume &Type Grout[3]
209851	0	108.5	grout	Grout		288 Gallons of Slurry
209851	108.5	113.5	grout	Cetco Pure Gold 3/8" Chip		2.25 Bags of Chips
209851	113.5	129.5	gravel	Best # 0	12 - 50lbs Bags	
209851	129.5	137	grout	Cetco Pure Gold 3/8" Chip		2.75 Bags of Chips
209851	137	152	gravel	Best # 0	13 - 50lbs Bags	
209851	152	157	grout	Cetco Pure Gold 3/8" Chip		2 Bags of Chips
209851	157	170.3	gravel	Best # 0	5 - 50 lbs Bags	

* are in Feet, all else is in inches

[1]Description of gravel pack, i.e. engineered gravel pack, or gravel pit description (1/4 down) or brand name (best sand) natural formation, drilling cuttings, soil backfill

[2]Quantity #cubic yards, #Tons, #Sacks - (for drilling cuttings and soil backfill estimate quantity) Calculation assistance available on web

[3]Volume & Type: #gallons of a slurry, #Barrels of a slurry, #sacks used in the slurry, #Bags of non-slurry bentonite (chip-pellet-granular)

12. Well Geologic Materials Logged

WellID	FromDepth*	ToDepth*	Type	Hardness	Color	Other/Drilling Action
209851	0	170.3	Sand with gravel	Loose	Gray	

Well Registration or Area Permit

Fee Paid: $70.00 HHSS Fee: $30.00
DNR Cash Fund: $18.50 WWDF: 21.50
Billing ID: 29775

[redacted]ce: Nebraska On Line | Import Status: Accepted | Use: Monitoring (Ground Water Quality) | Owner ID: 102503

Import ID: 130003481317448 | Status: Active Registered Well | Decommission Date: . | Registration Number: G-158652

Well ID: 209852 | NRD: Little Blue | Registration Date: 3/16/2011

Last Change User: HMcPherson | Call Up Code: . | Call Up Date: . | Last Change Date: 3/16/2011

Owner:

	ContactID	Type	SeqNum	Begin Date	End Date	Name
Display	102503	Owner	1	3/16/2011		United States Environmental Protection Agency Region VII,

Contractor:

Certificate ID	FirstName	LastName
39508	Steven D	Johnson

Drilling Firm:

	EmployerID	Employer
Delete	159514	Boart Longyear Drilling

A. Well Location: NE1/4NW1/4 of Section 23
Township 7 North, Range 10 (West E/W), Adams County

B. Natural Resource District: Little Blue

	Latitude	Longitude	
Well GPS Coordinates:	40° 33' 54.81"	-098° 24' 51.58"	GPS Required
Lat/Long DD	40.56523	-98.41433	

C. The well is: 965 feet from the N Section line and 1850 feet from the W section line.

D. Street address or block, lot and subdivision: Addr/Sub Div . Block No . Lot .

E. Location of water use, if applicable (give legal description): N/A

G. Well reference letter(s) if applicable: MW-49

[redacted]n A Series

[redacted]l Part of a Series with Site Plan: No

Series	# of Wells Reg	Total # Wells	Acres	Acres Cert	NRD Appr	StartDate	EndDate	Comment	Series Reg Num (External Source)	Code	Description
208540				No	No	11/17/2010				PRO	Single Project

Wells in the Series

WellID	RegCD	StartDate	EndDate
209852	G-158652	11/17/2010	

Permits

	Aprvd Date(s)		Aprvd Date(s)
Area Permit	. . .	SWater App Code	. . .
GeoPermit	. . .	Industrial	. . .
MWF	. . .	Transfer	. . .
WSP	. . .	Swater Conduct Code	. . .
HHSS	.	Other	. .
HHSS PWS ID	.	ITN	. .
NDEQ	.		

5. Purpose of Well: Monitoring (Ground Water Quality)
Other Use .
Notes —

7. Replacement well information.

Well Considered a replacement by NRD(WellID, RegCD) .

A. Is this well a Replacement well? No Repl No . NRD Approval Date . . Well Replacement Reg CD .

B. Registration number of abandoned well: .

Check Well

If not registered, date abandoned well was constructed .

C. Abandoned well last operated .

D. Replacement well is .feet from abandoned well.

E. Original well pump column size: .inches.

F. [ ] Original water well decommissioned .
[ ] I hereby certify that the original water well will be decommissioned within 180 days after such construction of the replacement water well.
[ ] I hereby certify that the original water well will be modified and equipped to pump 50 gallons per [redacted]nute or less within 180 days after such construction of the replacement water well.

[redacted]
[ ] Livestock
[ ] Monitoring
[ ] Observation
[ ] Nonconsumptive or de minimus use approved by the applicable natural resources district. .

[ ] Decommission/Modification certification form is submitted by landowner (Must be submitted before registering well)

G. Location of water use of original well: .

Decommission Information

Decommission Date: . By

8. Pump Information.

A. Is Pump installed at this time? No

Pump present but Well Inactive: No

Free Flowing Well: No

Well active, no pump installed: Yes

B. License No.

CertificateID	FirstName	LastName	Employer
1	Owner drilled well &/or installed pump	Owner drilled well &/or installed pump	

C. Pumping Rate . gallons per minute.

D. Pumping water level . feet.

E. Drop pipe diameter . inches.

F. Length of pipe . in feet.

G. Pump equipment installed: .

H. Pump Brand/Type .

I. This well wll be used to pump less than 50 gpm? Yes

9. Well Construction Information

A. Total well depth: 170.8 feet.

B. Static water level 116.2 feet.

C. Well Construction began: 11/17/2010

D. Well Construction Completed: 11/17/2010

E. Bore hole diameter in inches. Top 9 Bottom 6

F. Casing and Screen Joints are: Threaded

Other Joints description: .

H. Total Estimate Capacity of Well 5 gallons per minute.

I. Pumping water level at capacity: 0 feet.

10. Well Construction (Casing & Screen) - c, d, e & f measurements should be in inches to three decimal places

Record Count = 2

WellID	FromDepth*	ToDepth*	Case/Screen	InsideDiam	OutsideDiam	CaseThickness	ScrnSlotSize	Material	ScreenTname
209852	-2	160	casing	1.913	2.375	0.218		PVC	Johnson
209852	160	170.8	screen	1.913	2.375	0.218	0.01	PVC	Johnson

* are in Feet, all else is in inches

Additional Information (Table number 2)

Record Count = 2

WellID	FromDepth*	ToDepth*	Case/Screen	InsideDiam	OutsideDiam	CaseThickness	ScrnSlotSize	Material	ScreenTname
209852	-2	139	casing	1.91	2.38	0.218		PVC	Johnson
209852	139	149.3	screen	1.91	2.38	0.218	0.01	PVC	Johnson

* are in Feet, all else is in inches

Additional Information (Table number 3)

Record Count = 2

WellID	FromDepth*	ToDepth*	Case/Screen	InsideDiam	OutsideDiam	CaseThickness	ScrnSlotSize	Material	ScreenTname
209852	-2	118.1	casing	1.91	2.38	0.218		PVC	Johnson
209852	118.1	128.3	casing	1.91	2.38	0.218	0.01	PVC	Johnson

* are in Feet, all else is in inches

11. Grout and Gravel Pack

Record Count = 7

WellID	FromDepth	ToDepth	Grout/Gravel	Material Description[1]	Quantity Gravel[2]	Volume &Type Grout[3]
209852	0	108	grout	Grout		288 Gallons of Slurry
209852	108	113	grout	Cetco Pure Gold 3/8" Chip		2.25 Bags of Chips
209852	113	130	gravel	Best # 0	12 - 50lbs Bags	
209852	130	136	grout	Cetco Pure Gold 3/8" Chip		2.75 Bags of Chips
209852	136	151	gravel	Best # 0	13 - 50lbs Bags	
209852	151	157.5	grout	Cetco Pure Gold 3/8" Chip		2 Bags of Chips
209852	157.5	170.8	gravel	Best # 0	5 - 50 lbs Bags	

* are in Feet, all else is in inches

[1]Description of gravel pack, i.e. engineered gravel pack, or gravel pit description (1/4 down) or brand name (best sand) natural formation, drilling cuttings, soil backfill

[2]Quantity #cubic yards, #Tons, #Sacks - (for drilling cuttings and soil backfill estimate quantity) Calculation assistance available on web

[3]Volume & Type: #gallons of a slurry, #Barrels of a slurry, #sacks used in the slurry, #Bags of non-slurry bentonite (chip-pellet-granular)

12. Well Geologic Materials Logged

WellID	FromDepth*	ToDepth*	Type	Hardness	Color	Other/Drilling Action
209852	0	170.8	Sand with gravel	Loose	Gray	

* are in Feet.

Well Registration or Area Permit

Fee Paid: $70.00 HHSS Fee: $30.00
DNR Cash Fund: $18.50 WWDF: 21.50
Billing ID: 29758

[redacted]ce:	Nebraska On Line	Import Status:	Accepted	Use:	Monitoring (Ground Water Quality)	Owner ID:	102503
Import ID:	130003531122094	Status:	Active Registered Well	Decommission Date:	.	Registration Number:	G-158640
Well ID:	209853	NRD:	Little Blue			Registration Date:	3/14/2011
Last Change User:	PBonebright	Call Up Code:	.	Call Up Date:	.	Last Change Date:	3/15/2011

Owner:

	ContactID	Type	SeqNum	Begin Date	End Date	Name
[redacted] Display	102503	Owner	1	3/14/2011		United States Environmental Protection Agency Region VII,

Contractor:

Certificate ID	FirstName	LastName
39508	Steven D	Johnson

Drilling Firm:

[redacted]	EmployerID	Employer
Delete	159514	Boart Longyear Drilling

A. Well Location: NE1/4NW1/4 of Section 23
Township 7 North, Range 10 (West E/W), Adams County
B. Natural Resource District: Little Blue

	Latitude	Longitude	
Well GPS Coordinates:	40° 33' 53.24"	-098° 24' 51.10"	GPS Required
Lat/Long DD	40.56479	-98.41419	

C. The well is: 1122 feet from the N Section line and 1886 feet from the W section line.
D. Street address or block, lot and subdivision: Addr/Sub Div . Block No . Lot .
E. Location of water use, if applicable (give legal description): N/A
G. Well reference letter(s) if applicable: MW-50
[redacted]n A Series
[redacted] Part of a Series with Site Plan: No

Series	# of Wells Reg	Total # Wells	Acres	Acres Cert	NRD Appr	StartDate	EndDate	Comment	Series Reg Num (External Source)	Code	Description
208541				No	No	11/22/2010				PRO	Single Project

Wells in the Series

WellID	RegCD	StartDate	EndDate
209853	G-158640	11/22/2010	

Permits

	Aprvd Date(s)		Aprvd Date(s)
Area Permit	. . .	SWater App Code	. . .
GeoPermit	. . .	Industrial	. . .
MWF	. . .	Transfer	. . .
WSP	. . .	Swater Conduct Code	. . .
HHSS	.	Other	. .
HHSS PWS ID	.	ITN	. .
NDEQ	.		

5. Purpose of Well: Monitoring (Ground Water Quality)
Other Use .
Notes —

7. Replacement well information.
Well Considered a replacement by NRD(WellID, RegCD) .
A. Is this well a Replacement well? No Repl No . NRD Approval Date . Well Replacement Reg CD .
B. Registration number of abandoned well: .
Check Well
If not registered, date abandoned well was constructed .
C. Abandoned well last operated .
D. Replacement well is .feet from abandoned well.
E. Original well pump column size: .inches.
F. [ ] Original water well decommissioned .
[ ] I hereby certify that the original water well will be decommissioned within 180 days after such construction of the replacement water well.
[ ] I hereby certify that the original water well will be modified and equipped to pump 50 gallons per [redacted]nute or less within 180 days after such construction of the replacement water well.
[redacted]
[ ] Livestock
[ ] Monitoring
[ ] Observation
[ ] Nonconsumptive or de minimus use approved by the applicable natural resources district. .

[ ] Decommission/Modification certification form is submitted by landowner (Must be submitted before registering well)

G. Location of water use of original well: .

Decommission Information

Decommission Date: . By

8. Pump Information.

A. Is Pump installed at this time? No

Pump present but Well Inactive: No

Free Flowing Well: No

Well active, no pump installed: Yes

B. License No.

CertificateID	FirstName	LastName	Employer
1	Owner drilled well &/or installed pump	Owner drilled well &/or installed pump	

C. Pumping Rate . gallons per minute.

D. Pumping water level . feet.

E. Drop pipe diameter . inches.

F. Length of pipe . in feet.

G. Pump equipment installed: .

H. Pump Brand/Type .

I. This well wll be used to pump less than 50 gpm? Yes

9. Well Construction Information

A. Total well depth: 168.4 feet.

B. Static water level 116.4 feet.

C. Well Construction began: 11/21/2010

D. Well Construction Completed: 11/22/2010

E. Bore hole diameter in inches. Top 9 Bottom 6

F. Casing and Screen Joints are: Threaded

Other Joints description: .

H. Total Estimate Capacity of Well 5 gallons per minute.

I. Pumping water level at capacity: 0 feet.

10. Well Construction (Casing & Screen) - c, d, e & f measurements should be in inches to three decimal places

Record Count = 2

WellID	FromDepth*	ToDepth*	Case/Screen	InsideDiam	OutsideDiam	CaseThickness	ScrnSlotSize	Material	ScreenTname
209853	-2	158.1	casing	1.913	2.375	0.218		PVC	Johnson
209853	158.1	168.4	screen	1.913	2.375	0.218	0.01	PVC	Johnson

* are in Feet, all else is in inches

Additional Information (Table number 2)

Record Count = 2

WellID	FromDepth*	ToDepth*	Case/Screen	InsideDiam	OutsideDiam	CaseThickness	ScrnSlotSize	Material	ScreenTname
209853	-2	136.8	casing	1.91	2.38	0.218		PVC	Johnson
209853	136.8	147	screen	1.91	2.38	0.218	0.01	PVC	Johnson

* are in Feet, all else is in inches

Additional Information (Table number 3)

Record Count = 2

WellID	FromDepth*	ToDepth*	Case/Screen	InsideDiam	OutsideDiam	CaseThickness	ScrnSlotSize	Material	ScreenTname
209853	-2	116.7	casing	1.91	2.38	0.218		PVC	Johnson
209853	116.7	127.3	casing	1.91	2.38	0.218	0.01	PVC	Johnson

* are in Feet, all else is in inches

11. Grout and Gravel Pack

Record Count = 7

WellID	FromDepth	ToDepth	Grout/Gravel	Material Description[1]	Quantity Gravel[2]	Volume &Type Grout[3]
209853	0	107	grout	Grout		288 Gallons of Slurry
209853	107	113.5	grout	Cetco Pure Gold 3/8" Chip		2.25 Bags of Chips
209853	113.5	129	gravel	Best # 0	12 - 50lbs Bags	
209853	129	133.5	grout	Cetco Pure Gold 3/8" Chip		2.75 Bags of Chips
209853	133.5	149	gravel	Best # 0	13 - 50lbs Bags	
209853	149	155	grout	Cetco Pure Gold 3/8" Chip		2 Bags of Chips
209853	155	168.4	gravel	Best # 0	5 - 50 lbs Bags	

* are in Feet, all else is in inches

[1]Description of gravel pack, i.e. engineered gravel pack, or gravel pit description (1/4 down) or brand name (best sand) natural formation, drilling cuttings, soil backfill

[2]Quantity #cubic yards, #Tons, #Sacks - (for drilling cuttings and soil backfill estimate quantity) Calculation assistance available on web

[3]Volume & Type: #gallons of a slurry, #Barrels of a slurry, #sacks used in the slurry, #Bags of non-slurry bentonite (chip-pellet-granular)

12. Well Geologic Materials Logged

WellID	FromDepth*	ToDepth*	Type	Hardness	Color	Other/Drilling Action
209853	0	168.4	Sand with gravel	Loose	Gray	

* are in Feet.

Well Registration or Area Permit

Fee Paid: $70.00 HHSS Fee: $30.00
DNR Cash Fund: $18.50 WWDF: 21.50
Billing ID: 29759

[redacted]ce:	Nebraska On Line	Import Status:	Accepted	Use:	Monitoring (Ground Water Quality)	Owner ID:	102503
Import ID:	130003580417448	Status:	Active Registered Well	Decommission Date:	.	Registration Number:	G-158641
Well ID:	209854	NRD:	Little Blue			Registration Date:	3/14/2011
Last Change User:	PBonebright	Call Up Code:	.	Call Up Date:	.	Last Change Date:	3/15/2011

Owner:

	ContactID	Type	SeqNum	Begin Date	End Date	Name	
[redacted]	Display 102503	Owner	1	3/14/2011		United States Environmental Protection Agency Region VII,	[redacted]

Contractor:

Certificate ID	FirstName	LastName
39508	Steven D	Johnson

Drilling Firm:

	EmployerID	Employer
Delete	159514	Boart Longyear Drilling

A. Well Location: NE1/4NW1/4 of Section 23
Township 7 North, Range 10 (West E/W), Adams County
B. Natural Resource District: Little Blue

	Latitude	Longitude	
Well GPS Coordinates:	40° 33' 51.45"	-098° 24' 50.01"	GPS Required
Lat/Long DD	40.56429	-98.41389	

C. The well is: 1302 feet from the N Section line and 1972 feet from the W section line.
D. Street address or block, lot and subdivision: Addr/Sub Div . Block No . Lot .
E. Location of water use, if applicable (give legal description): N/A
F. Well reference letter(s) if applicable: MW-51
[redacted]n A Series
Well Part of a Series with Site Plan: No

Series	# of Wells	Reg Total # Wells	Acres	Acres Cert	NRD Appr	StartDate	EndDate	Comment	Series Reg Num (External Source)	Code	Description
208542			No	No		12/6/2010				PRO	Single Project

Wells in the Series

WellID	RegCD	StartDate	EndDate
209854	G-158641	12/6/2010	

Permits

	Aprvd Date(s)		Aprvd Date(s)
Area Permit	. . .	SWater App Code	. . .
GeoPermit	. . .	Industrial	. . .
MWF	. . .	Transfer	. . .
WSP	. . .	Swater Conduct Code	. . .
HHSS	.	Other	. .
HHSS PWS ID	.	ITN	. .
NDEQ	.		

5. Purpose of Well Monitoring (Ground Water Quality)
Other Use .
Notes —

7. Replacement well information.
Well Considered a replacement by NRD(WellID, RegCD) .
A. Is this well a Replacement well? No Repl No . NRD Approval Date . Well Replacement Reg CD .
B. Registration number of abandoned well: .
Check Well
If not registered, date abandoned well was constructed .
C. Abandoned well last operated .
D. Replacement well is .feet from abandoned well.
E. Original well pump column size: .inches.
F. [ ] Original water well decommissioned .
[ ] I hereby certify that the original water well will be decommissioned within 180 days after such [redacted]nstruction of the replacement water well.
[redacted] I hereby certify that the original water well will be modified and equipped to pump 50 gallons per [redacted]inute or less within 180 days after such construction of the replacement water well.
[ ] Livestock
[ ] Monitoring
[ ] Observation

[ ] Nonconsumptive or de minimus use approved by the applicable natural resources district. .
[ ] Decommission/Modification certification form is submitted by landowner (Must be submitted before registering well)

G. Location of water use of original well: .

Decommission Information
Decommission Date: . By

8. Pump Information.

A. Is Pump installed at this time? No

Pump present but Well Inactive: No

Free Flowing Well: No

Well active, no pump installed: Yes

B. License No.

CertificateID	FirstName	LastName	Employer
1	Owner drilled well &/or installed pump	Owner drilled well &/or installed pump	

C. Pumping Rate . gallons per minute.

D. Pumping water level . feet.

E. Drop pipe diameter . inches.

F. Length of pipe . in feet.

G. Pump equipment installed: .

H. Pump Brand/Type .

I. This well wll be used to pump less than 50 gpm? Yes

9. Well Construction Information

A. Total well depth: 170.3 feet.

B. Static water level 116.9 feet.

C. Well Construction began: 12/5/2010

D. Well Construction Completed: 12/6/2010

E. Bore hole diameter in inches. Top 9 Bottom 6

F. Casing and Screen Joints are: Threaded

Other Joints description: .

H. Total Estimate Capacity of Well 5 gallons per minute.

I. Pumping water level at capacity: 0 feet.

10. Well Construction (Casing & Screen) - c, d, e & f measurements should be in inches to three decimal places
Record Count = 2

WellID	FromDepth*	ToDepth*	Case/Screen	InsideDiam	OutsideDiam	CaseThickness	ScrnSlotSize	Material	ScreenTname
209854	-2	160	casing	1.913	2.375	0.218		PVC	Johnson
209854	160	170.3	screen	1.913	2.375	0.218	0.01	PVC	Johnson

* are in Feet, all else is in inches

Additional Information (Table number 2)
Record Count = 2

WellID	FromDepth*	ToDepth*	Case/Screen	InsideDiam	OutsideDiam	CaseThickness	ScrnSlotSize	Material	ScreenTname
209854	-2	139.5	casing	1.91	2.38	0.218		PVC	Johnson
209854	139.5	149.8	screen	1.91	2.38	0.218	0.01	PVC	Johnson

* are in Feet, all else is in inches

Additional Information (Table number 3)
Record Count = 2

WellID	FromDepth*	ToDepth*	Case/Screen	InsideDiam	OutsideDiam	CaseThickness	ScrnSlotSize	Material	ScreenTname
209854	-2	116.5	casing	1.91	2.38	0.218		PVC	Johnson
209854	116.5	126.8	casing	1.91	2.38	0.218	0.01	PVC	Johnson

* are in Feet, all else is in inches

11. Grout and Gravel Pack
Record Count = 7

WellID	FromDepth	ToDepth	Grout/Gravel	Material Description[1]	Quantity Gravel[2]	Volume &Type Grout[3]
209854	0	106	grout	Grout		288 Gallons of Slurry
209854	106	111.5	grout	Cetco Pure Gold 3/8" Chip		2.25 Bags of Chips
209854	111.5	129	gravel	Best # 0	12 - 50lbs Bags	
209854	129	135	grout	Cetco Pure Gold 3/8" Chip		2.75 Bags of Chips
209854	135	151.5	gravel	Best # 0	13 - 50lbs Bags	
209854	151.5	157.5	grout	Cetco Pure Gold 3/8" Chip		2 Bags of Chips
209854	157.5	170.3	gravel	Best # 0	5 - 50 lbs Bags	

* are in Feet, all else is in inches

[1]Description of gravel pack, i.e. engineered gravel pack, or gravel pit description (1/4 down) or brand name (best sand) natural formation, drilling cuttings, soil backfill

[2]Quantity #cubic yards, #Tons, #Sacks - (for drilling cuttings and soil backfill estimate quantity) Calculation assistance available on web

[3]Volume & Type: #gallons of a slurry, #Barrels of a slurry, #sacks used in the slurry, #Bags of non-slurry bentonite (chip-pellet-granular)

12. Well Geologic Materials Logged

WellID	FromDepth*	ToDepth*	Type	Hardness	Color	Other/Drilling Action
209854	0	170.3	Sand with gravel	Loose	Gray	

APPENDIX E

WELL DEVELOPMENT FORMS

WELL DEVELOPMENT LOG	Well ID No.: MW-47B	
Site: Garvey Elevator Site		Location: Hastings, Nebraska
Client: EPA	Contract/Delivery Order: EP-57-05-05	
A-E Contractor: HGL/CDM		Dev. Start (Date/Time): 16:15 / 12-10-10
Developed by: BLY/HGL T.M/Steve		Dev. End (Date/Time): 12-12-10 12:05
Casing Diameter: 2" (in)	Well Depth: 129.42 (ft) BGS	Starting SWL: 117.71 (ft)
Water Column: ~12 (ft)	Casing Volume: ~2 (gal)	Total Volume to be Purged: ~~140~~ 145 (gal)

Purge Volume Calculation:

Water Col. 12 ft (X) Csg. factor* .16 gal/ft (=) ~2 gal/Csg. Vol. (X) 3 Csg. Vol to purge (=) 6

*Casing (Csg.) Factors: 2" Well Dia. = 0.16; 4" Well Dia. = 0.65; 6" Well Dia. = 1.47

Total Volume To Be Purged (gal)

Development Method: Surge and Pump

Equipment: Surge block w/ a Hydrolift II 3/8" Perf tubing

Total quantity of water discharged: 145 (gal); Ending SWL: 118.62 (ft) BGS

Disposition of discharge water: POTW Fm Tank / Hastings Wastewater Treatment Plant

Time	Volume Removed (gal)	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (µmohs/cm) or (ms/cm)	Remarks (PID/FID Readings, etc.)
13:00 - 13:10		Surge well						
16:15	0	NA	>800	Cloudy	11.16	7.02	0.494	0.56PM
16:25	5	NA	>800	clay	10.44	7.31	0.495	
16:35	10	NA	>800	clay	10.87	7.08	0.500	
16:45	15	NA	>800	clay	10.81	7.10	0.524	
16:55	20	NA	>800	clay	11.33	7.12	0.527	
17:05	25	NA	594	clay	10.67	7.21	0.539	
17:15	30	NA	345	clay	10.56	7.43	0.540	Start pumping to Day Residence tomorrow
12-12-10 7:45 - 7:55		Surge well w/ surge block						
08:14	—	—	—	—	—	6.78	—	Resume pumping w/ Waterra pump @ 08:15 on RPM @ 0.5 GPM
08:25	35	NA	>800	clay	12.44	6.87	0.594	
08:35	40	NA	>800	clay	10.99	6.96	0.564	@ 150 cycles/minute
08:45	45	NA	>800	clay	10.29	6.94	0.580	

** Below top of casing (btoc)

Can't get Pumping Water Level with Water & Pump level

WELL DEVELOPMENT LOG	Well ID No.: MW-47B
Site: Garvey Elevator Site	Site Location: Hastings, Nebraska

Time	Volume Water Removed	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (ms/cm)	Remarks (PID/FID Readings, etc.)
855	50	NA	21.5	clay	9.95	7.12	0.583	
0905	55	NA	90.2	silty clay	10.10	7.13	0.600	
09:15	60	NA	49.6	silty clay	9.80	7.18	0.607	
09:25	65	NA	22.8	clear	9.76	7.17	0.617	
09:35	70	NA	15.0	clear	9.49	7.19	0.622	
09:45	75	NA	7.3	clear	9.55	7.20	0.631	
09:55	80	NA	1.7	clear	9.26	7.19	0.635	
10:05	85	NA	0.0	clear	9.34	7.19	0.639	
10:15	90	NA	0.0	clear	9.43	7.16	0.640	
10:25	95	NA	0.0	clear	9.98	7.15	~~0.648~~ 0.643	EH
10:35	100	NA	0.0	clear	9.84	7.18	0.643	
10:45	105	NA	0.0	clear	10.17	7.17	0.647	
10:55	110	NA	0.0	clear	10.24	7.17	0.649	
11:05	115	NA	0.0	clear	10.44	7.17	0.651	
11:15	120	NA	0.0	clear	10.57	7.17	0.655	
11:25	125	NA	0.0	clear	10.43	7.16	0.654	
1135	130	NA	0.0	clear	10.55	7.14	0.659	
11:45	135	NA	0.0	clear	10.46	7.15	0.657	
11:55	140	NA	0.0	clear	10.31	7.14	0.655	
12:05	145	NA	0.0	clear	10.46	7.15	0.660	
12:05	Stop Development				1415	Gallons total		Remarks
Final	PTW = 118.62							
Final	DTW = 119.62							

WELL DEVELOPMENT LOG	Well ID No.: MW-47C	
Site: Garvey Elevator Site		Location: Hastings, Nebraska
Client: EPA	Contract/Delivery Order: EP-57-05-05	
A-E Contractor: HGL/CDM		Dev. Start (Date/Time): 12-11-10 13:15
Developed by: BLY/HGL Jim/Steve		Dev. End (Date/Time): 12-11-10 17:00
Casing Diameter: 2" (in)	Well Depth: 149 (ft)	Starting SWL: 118.12 (ft)
Water Column: 31 (ft)	Casing Volume: 5 (gal)	Total Volume to be Purged: 200 (gal)

Purge Volume Calculation:

Water Col. 31 ft (X) Csg. factor* .16 gal/ft (=) 4.96 gal/Csg. Vol. (X) 3 Csg. Vol to purge (=) 15.0

Total Volume To Be Purged (gal) 200 to be Removed

*Casing (Csg.) Factors: 2" Well Dia. = 0.16; 4" Well Dia. = 0.65; 6" Well Dia. = 1.47

Development Method: Surge two times 10 minutes with Fed Pump

Equipment: Surge Block / Centrifugal Pump 2 - 2" Submersible Pumps

Total quantity of water discharged: 300 (gal); Ending SWL: 117.05 (ft)** BGS

Disposition of discharge water: Poly Tank to Frac / Hastings Municipal Water Treatment Plant

Time	Volume Removed (gal)	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (µmohs/cm) or (ms/cm)	Remarks (PID/FID Readings, etc.)
~~1405~~	1315 -	13.30	Surge well					
14:05	0	Start Pump - Initial Reading			52.66	Running 2.6 psi		
14:15	20	118.6	148	clay	12.83	202	651	
14:25	40	118.6	56.3	silty clay	13.53	6.84	0.710	Pull Pump up 2'
14:34	60	118.6	194	Clay	14.18	6.75	0.710	SW
14:45	80	118.6	53	Silty Clay	14.15	6.81	0.709	Pull Pump up 2' ~~Turn Surge~~
14:55	100	118.6	62.9	Silty Clay	14.36	6.75	0.709	
15:05	120	118.6	38.6	Silty Clay	14.66	6.75	0.712	
15:15	140	118.6	62	Clay	14.81	6.77	0.711	Drop Pump to 2' off bottom
15:15	Stop Pumping to Surge well				Surge 15:20			15:30 15:40 Repeat Pumping
15:40	140	118.6	>800	Clay	12.11	6.84	0.644	Pump Turned off for Surge
~~1550~~	160	—	—	—	—	—	—	
16:00	180	118.6	83.2	clay	13.58	6.83	0.718	Pump on Bottom

** ~~Below top of casing~~ (btoc) Ground

WELL DEVELOPMENT LOG	Well ID No.: MW-4TC
Site: Garvey Elevator Site	Site Location: Hastings, Nebraska

Time	Volume Water Removed	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (ms/cm)	Remarks (PID/FID Readings, etc.)
16:10	200	118.6	>800	clay	13.58	6.84	0.688	Submersible Pump
16:20	220	118.6	>800	clay	13.32	6.97	0.714	Submersible Pump
16:30	240	118.6	>800	clay	13.63	7.14	0.711	Purged Pump to Top of Screen. Hit. Leveling
16:40	260	118.6	48.9	clay	13.85	7.12	0.711	
16:50	280	118.6	39.7	clear	13.98	7.15	0.715	
17:00	300	118.6	16.6	clear	14.25	7.03	0.700	
Well Developed @ 17:00 STOP Pumping								
Final DTW = 117.05 1363								
Final DTB = 144.05 1366								

WELL DEVELOPMENT LOG	Well ID No.: MW-47D	
Site: Garvey Elevator Site		Location: Hastings, Nebraska
Client: EPA	Contract/Delivery Order: EP-57-05-05	
A-E Contractor: HGL/CDM		Dev. Start (Date/Time): 12-10-10 8:30
Developed by: BLY/HGL TM/Steve		Dev. End (Date/Time): 12-11-10 12:20
Casing Diameter: 2" (in)	Well Depth: 170.4 (ft) BGS	Starting SWL: 117.04 (ft) BGS
Water Column: 53.3 (ft)	Casing Volume: 8.7 (gal)	Total Volume to be Purged: 200 (gal)

Purge Volume Calculation:
Water Col. 54 ft (X) Csg. factor* .16 gal/ft (=) 8.7 gal/Csg. Vol. (X) 3 Csg. Vol to purge (=) 26.1 Total Volume To Be Purged (gal)
*Casing (Csg.) Factors: 2" Well Dia. = 0.16; 4" Well Dia. = 0.65; 6" Well Dia. = 1.47
Development Method: Surge with Surge Block, Pump with 2" - Grundfos Pump
Equipment: Grundfos Redi-Flow 2 Submersible Pump / Surge Block

Total quantity of water discharged: 220 (gal); Ending SWL: 117.01 (ft)**
Disposition of discharge water: Poly IBC / Storage Tank then Hastings Wastewater Treatment Plant

Time	Volume Removed (gal)	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (µmohs/cm) or (ms/cm)	Remarks (PID/FID Readings, etc.)
08:30	0	117.09	-	-	-	-	-	Begin well 8:30 - 8:40 Run Pump Middle Screen
09:25	0	-	697	Clay	11.31	5.92	0.573	Pumping @ 1.5 GPM
09:35	15	117.35	158	clay	11.91	6.34	0.579	Total Flow w/ = 2 GPM
09:45	35	117.30	81.3	clay	13.16	6.53	0.595	Drop Pump 2 Feet
09:55	55	117.30	101	Clay	12.72	6.62	0.591	Drop Pump 2 Feet
10:05	75	117.30	5.8	Clear	12.58	6.69	0.602	Stop and Surge Pump
STOP to Surge -								10:25 - 10:45
11:05	Resume	-	-	Clay	-	-	-	Resume - Pumping, Pump on bottom of well
11:15	95	117.38	37.4	Slightly	12.30	6.80	0.612	
11:25	115	117.40	26.5	Clear	13.35	6.82	0.604	Pull Pump up to 8' off bottom
11:35	135	117.40	36.8	Clear	13.57	6.81	0.608	
11:45	155	117.40	7.1	clear	13.69	6.79	0.608	
11:55	175	117.40	8.00	Clay	13.74	6.79	0.600	Pull Pump to top of screen ~~Surge~~ and Surge with Pump

** Below top of casing (btoc)

WELL DEVELOPMENT LOG	Well ID No.: MW-47D
Site: Garvey Elevator Site	Site Location: Hastings, Nebraska

Time	Volume Water Removed	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (ms/cm)	Remarks (PID/FID Readings, etc.)
12:05	195	117.4	4.3	Clear	13.86	6.78	0.608	
12:15	215	117.4	2.7	Clear	~~13.86~~ 13.89	6.79	0.607	
12:20								
		Turn Pump off well Dry @ ~2.2 Gallons Removed						
Final	DTW = 117.01							
Final	DTB = 178.40							

WELL DEVELOPMENT LOG	Well ID No.: MW-48B	
Site: Garvey Elevator Site		Location: Hastings, Nebraska
Client: EPA	Contract/Delivery Order: EP-57-05-05	
A-E Contractor: HGL/CDM		Dev. Start (Date/Time): 12/8/10 1240
Developed by: BLY/HGL		Dev. End (Date/Time): 12/13/10 11:40
Casing Diameter: 2 (in)	Well Depth: 127.2 (ft)	Starting SWL: 117.42 (ft)
Water Column: 9.8 (ft)	Casing Volume: 1.6 (gal)	Total Volume to be Purged: 5.4 (gal)

Purge Volume Calculation:

Water Col. 9.8 ft (X) Csg. factor* 0.16 gal/ft (=) 1.6 gal/Csg. Vol. (X) 3 Csg. Vol to purge (=) 5.4 Total Volume To Be Purged (gal)

*Casing (Csg.) Factors: 2" Well Dia. = 0.16; 4" Well Dia. = 0.65; 6" Well Dia. = 1.47

Development Method: Surge & pump

Equipment: Surge block, GRUNDFOS RSDI F10 2, bailer (3') - 12-8-10
12-12-10 - Surge Block, waterra Hydrolift PP w/1/4" Dedicated Tubing and Foot Valve

Total quantity of water discharged: 90 (gal); Ending SWL: 116.05 (ft)**

Disposition of discharge water: Poly IDW Storage tank → Hastings Wastewater Treatment Plant

Time	Volume Removed (gal)	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (µmohs/cm) or (ms/cm)	Remarks (PID/FID Readings, etc.)
1240		121.65	7800	V. cloudy Brown	17.57	6.95	0.637	surge 1145-1155 — Surge starting pump 1205
1245		flow stopped, spent 1/2 hr trying to adjust and get going						
1330	25	pulled pump to clean, and resurge the well - suspend development						Surge
12-12-10	Resume	well Development Efforts: Surge well 8:40-8:55						Surge
13:50 ~~13:40~~		Begin using waterra pump, very low flow, work to DeIce Lines,						
16:30		Lines All DeICED, Replace Foot Valve Did not get constant						
		Flow From 14:00-16:30 - Pump WAS Running The Entire time ≈ 300 Cycles/min max						
16:40	0	Flow Established at ~~1/4~~ GPM, Low During Purging ≈ 116' BLS						
17:00	30	~~116.6~~	>800	Cloudy	8.94	7.23	0.712	
17:30	35+/-	116.3	~~280~~ 756	cloudy	7.90	7.03	0.737	Well seems capable of ~~Purging~~ Producing more than pump can move Below 0.25 GPM
17:50 ~~17:40~~	~~40~~ 40	116.6	316	Cloudy	7.33	6.99	0.751	
18:10	43	116.6	197	Clear	~~6.93~~ 7.00		0.752	
18:30	46	116.3	194	clearing	6.02	6.99	0.755	Suspend Development for day

** Below ~~top of casing (btoc)~~ ground surface

WELL DEVELOPMENT LOG	Well ID No.: MW-48B
Site: Garvey Elevator Site	Site Location: Hastings, Nebraska

Time	Volume Water Removed	Water Level (ft) BGS	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (ms/cm)	Remarks (PID/FID Readings, etc.)
12-13-10								
08:00	Resume	Pumping	After	Surging	From	6.55 - 7.05	12-13-10	Surging
08:20	50	116.5	780	Cloudy	11.37	6.35	0.738	20.2 ppm
08:30	52	116.5	780	clay	10.32	6.64	0.748	
08:40	54	116.5	780	clay	10.21	6.62	0.750	
08:50	56	116.5	554	clay	10.67	6.77	0.757	
09:00	58	116.5	299	clay	10.53	6.84	0.765	0.26 ppm
09:10	60	116.5	203	clay	10.86	6.89	0.771	
09:20	62	116.5	161	clay	11.36	6.91	0.773	
09:30	64	116.5	125	clay	10.57	6.92	0.772	
09:40	66	116.5	120	clay	11.30	6.96	0.776	
09:50	68	116.5	91.5	clay	10.86	6.93	0.777	
10:00	70	116.5	83	clay	10.30	6.93	0.779	
10:10	72	116.5	62.4	clearing	10.46	6.99	0.780	
10:20	74	116.5	49.2	clearing	10.79	7.03	0.780	
10:30	76	116.5	40.2	clearing	11.12	7.02	0.784	
10:40	78	116.5	31.6	clearing	11.07	7.03	0.780	
10:50	80	116.5	24.3	clearing	10.85	7.08	0.781	
11:00	82	116.5	22.4	clearing	11.36	7.11	0.784	
11:10	84	116.5	23.7	same	11.39	7.07	0.784	
11:20	86	116.5	26.1	same	11.28	7.10	0.785	
11:30	88	116.5	25.2	same	11.19	7.10	.786	
11:40	90	116.5	29.7	same	11.05	7.08	.783	
11:54	Final	DTW =		116.05	ft	BGS		
		DTB = 127.0						

WELL DEVELOPMENT LOG	Well ID No.: MW-48C	
Site: Garvey Elevator Site		Location: Hastings, Nebraska
Client: EPA	Contract/Delivery Order: EP-57-05-05	
A-E Contractor: HGL/CDM		Dev. Start (Date/Time): 12/8/14 0805
Developed by: BLY / HGL		Dev. End (Date/Time): 12/8/14 1135
Casing Diameter: 2" (in)	Well Depth: 150.34 (ft)	Starting SWL: 117.14 (ft)
Water Column: 33.2 (ft)	Casing Volume: 5.3 (gal)	Total Volume to be Purged: 16 (gal)

Purge Volume Calculation:

Water Col. 33.2 ft (X) Csg. factor* 0.16 gal/ft (=) 5.3 gal/Csg. Vol. (X) 3 Csg. Vol to purge (=) 16

*Casing (Csg.) Factors: 2" Well Dia. = 0.16; 4" Well Dia. = 0.65; 6" Well Dia. = 1.47

Total Volume To Be Purged (gal)

Development Method: surge & pump

Equipment: surge block, GRUNDFOS REDI FLO2, 3' steel bailer

Total quantity of water discharged: 212 (gal); Ending SWL: 117.14 (ft)**

Disposition of discharge water: poly tank

Time	Volume Removed (gal)	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (µmohs/cm) or (ms/cm)	Remarks (PID/FID Readings, etc.)
0855	5	117.6	>800	cloudy Brown	13.67	6.20	0.616	0805-0825 surge start pump 0850
0905	23	117.7	79.1	clear	14.14	6.50	0.619	lower pump ~2'
0915	41	117.7	72.5	clear	14.30	6.62	0.626	lower pump ~2'
0925	60	117.7	58.2	clear	14.44	6.69	0.630	
		~~117.7~~						stop pumping and surge end bail 10:07 start again
1010	65	117.7	7800	cloudy Brown	14.69	6.76	0.624	top of screen
1020	83	117.75	110	slightly cloudy	14.95	6.84	0.628	lowered ~2'
1030	100	117.7	68.4	clear	14.90	6.76	0.626	lowered ~2'
1040	118	117.65	35	clear	15.08	6.87	0.622	
1050	135	117.65	14.3	clear	15.17	6.83	0.623	raised ~2'
1100	153	117.65	50.1	slightly cloudy	15.18	6.81	0.625	
1110	170	117.65	18.2	clear	14.99	6.77	0.624	raised ~2'
1120	188	117.7	29.9	clear	15.18	6.87	0.625	

** Below ~~top of casing (btoc)~~ ground surface (well surface completion not complete readings estimated)

WELL DEVELOPMENT LOG	Well ID No.: MW-48C
Site: Garvey Elevator Site	Site Location: Hastings, Nebraska

Time	Volume Water Removed	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (ms/cm)	Remarks (PID/FID Readings, etc.)
1130	205	117.7	7.7	clear	15.19	4.83	0.625	
1135	~~212~~							turn off pump
1140		117.14	bottom of well		15	1.94		

WELL DEVELOPMENT LOG	Well ID No.: MW-48D	
Site: Garvey Elevator Site		Location: Hastings, Nebraska
Client: EPA	Contract/Delivery Order: EP-57-05-05	
A-E Contractor: HGL/CDM		Dev. Start (Date/Time): 12/7/16 1115
Developed by: BLY		Dev. End (Date/Time): 12/7/16 1730
Casing Diameter: 2 (in)	Well Depth: ~~116.24~~ (ft) 170.26	Starting SWL: 116.24 (ft)
Water Column: 54 (ft)	Casing Volume: 8.64 (gal)	Total Volume to be Purged: 24 (gal)

Purge Volume Calculation:
Water Col. 54 ft (X) Csg. factor* 0.16 gal/ft (=) 8.64 gal/Csg. Vol. (X) 3 Csg. Vol to purge (=) 26
*Casing (Csg.) Factors: 2" Well Dia. = 0.16; 4" Well Dia. = 0.65; 6" Well Dia. = 1.47
Development Method: Surge & pump

Total Volume To Be Purged (gal)

Equipment: WATERRA HYDROLIFT II, Surge block, GRUNDFOS RADIFLO2

Total quantity of water discharged: 370 (gal); Ending SWL: 116.28 (ft)**
Disposition of discharge water: poly tank

Time	Volume Removed (gal)	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (µmohs/cm) or (ms/cm)	Remarks (PID/FID Readings, etc.)
1135	10	—	7800	v. cloudy Brown	~~7800~~ 13.18	7.15	0.566	pump at 2 top of screen
1150	25	—	7800	cloudy Brown	12.75	7.30	0.571	
1200	40	—	453	cloudy	12.97	7.29	0.571	turn off pump & lower =5' at 1200
1230	60	—	718	cloudy Brown	13.71	7.31	0.573	pump back on at 12:25
1240	80	—	727	slightly cloudy	13.73	7.29	0.573	
1250	100	—	99.8	"	13.73	7.28	0.573	
1300	125	—	59.5	clear	13.72	7.38	0.571	
1310	145	—	32.2	Clear	13.50	7.32	0.571	
1320	165	—	24.1	clear	13.28	7.31	0.571	
1325 - 1335				clear				stop pump & reposition in middle of screen
1345	190	—	24.8	clear	13.11	7.34	0.573	
1355	210	—						stop pump to clear at 1425 after surging with surge blk.
1435	235	—	7800	cloudy Brown	12.78	7.37	0.562	

** Below ~~top of casing (btoc)~~ ground surface (well surface completion not done readings estimated)

WELL DEVELOPMENT LOG	Well ID No.: MW-48D
Site: Garvey Elevator Site	Site Location: Hastings, Nebraska

Time	Volume Water Removed	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (ms/cm)	Remarks (PID/FID Readings, etc.)
1445	255	—	7800	cloudy	12.65	7.41	0.573	
1454	.....				.....			Pump stops have to pull pump out tank 2 bailers full off the bottom before pumping
1650	start pumping again w/ GRUNDFOS							
1700	270	—	35.8	clear	13.04	7.29	0.550	pump at top of screen
1710	290	—	>800	cloudy	13.64	7.58	0.580	moved pump to bottom of screen
1720	305	—	30.2	clear	13.65	7.45	0.574	moved pump up to middle
1730	320	—	2.2	clear	13.63	7.42	0.575	
								stop pumping
1800		116.28' bgs		depth	to bottom		170.27	

WELL DEVELOPMENT LOG	Well ID No.: MW-49B	
Site: Garvey Elevator Site		Location: Hastings, Nebraska
Client: EPA	Contract/Delivery Order: EP-57-05-05	
A-E Contractor: HGL/CDM		Dev. Start (Date/Time): 12/4/14 1805 (5 Eur)
Developed by: BLY		Dev. End (Date/Time): 12/8/10 1740
Casing Diameter: 2" (in)	Well Depth: 128.3 (ft)	Starting SWL: 117.9 (ft)
Water Column: 10.4 (ft)	Casing Volume: 1.7 (gal)	Total Volume to be Purged: 5 (gal)

Purge Volume Calculation:
Water Col. 10.4 ft (X) Csg. factor* 0.16 gal/ft (=) 1.7 gal/Csg. Vol. (X) 3 Csg. Vol to purge (=) 5 Total Volume To Be Purged (gal)
*Casing (Csg.) Factors: 2" Well Dia. = 0.16; 4" Well Dia. = 0.65; 6" Well Dia. = 1.47
Development Method: surge & pump

Equipment: surge block, MARSH MONSOON pump, waterra

Total quantity of water discharged: 200 (gal); Ending SWL: 118.80 (ft)**
Disposition of discharge water: Poly IDW Storage tank. — Hastings Wastewater treatment Plant

Time (5 Eur)	Volume Removed (gal)	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (µmohs/cm) or (ms/cm)	Remarks (PID/FID Readings, etc.)
1805	2	120.41	7800	V. cloudy Brown	11.77	7.07	0.634	surge 1445-1455 (5 Eur) start pumping 1500
1815	7	120.9	730	cloudy Brown	11.14	7.06	0.636	
1840	20	125.2	7800	V. cloudy Brown	12.49	7.05	0.672	
1850	25	122.85	474	cloudy	11.87	7.08	0.661	
----	----	pull pump & surge again						
1640	30	120.55	7800	V. cloudy Brown	12.70	7.01	0.665	
1700	40	120.50	86.7	slightly cloudy	11.47	7.07	0.660	
1720	50	120.48	8.2	clear	11.95	7.03	0.674	
1725	52	----	----	----	----	----	----	turn pump off and pull out for the night
0805	60	119.95	47.8	slightly cloudy	12.84	6.27	0.725	started pumping 12/5/10 0750
0820	71	120.35	42.7	"	12.48	6.77	0.722	
0830	79	120.45	27.8	clear	12.49	6.85	0.720	
0840	87	120.5	6.6	clear	12.36	6.96	0.719	

** Below ~~top of casing (btoc)~~ ground surface / well surface completion not done readings estimated

WELL DEVELOPMENT LOG	Well ID No.: MW-493
Site: Garvey Elevator Site	Site Location: Hastings, Nebraska

Time	Volume Water Removed	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (ms/cm)	Remarks (PID/FID Readings, etc.)
0850	95	120.55	0.0	clear	12.24	7.02	0.721	
0900	103	120.55	0.0	clear	12.39	7.02	0.724	
0910	117	120.56	2.6	clear	12.41	7.05	0.721	
0925	120	120.52	371	slightly cloudy	12.50	7.06	0.723	surged well by moving pump up and down water column
0935	130	120.45	436	cloudy	12.69	7.07	0.719	"
0945	138	120.5	410	cloudy	12.85	7.09	0.724	"
0950	—	—	pump	stopped	—	—	—	
1625	—	—	—	—	—	—	—	12/6/10 started pumping with Hydrolift
1650	150	—	7800	Cloudy Brown	14.03°	5.96	0.663	
1700	158	—	7800	Cloudy Brown	12.26	6.28	0.649	
1710	166	—	498	slightly cloudy	11.21	6.45	0.646	
1720	174	—	355	slightly cloudy	10.68	6.45	0.658	
1730	182	—	268	"	9.54	6.47	0.650	
1740	190	—	225	"	8.62	6.61	0.673	
—	—	0.8	—	—	—	—	—	stopped pumping
	~200	including water in piping						
12/7/10	07:45	118.88	ft bgs drpth to bottom 128.4' bgs					
12-10-10	0900	Start	pump > water to surface				09:05	12-10-10 Resume pumping w/12 Volt Hurricane pump
09:05	1.25	118.2	0.00	clear	15.29	6.04	678	V4 + 6 PM / (Moving Pump up and down)
09:15	2.50	118.2	4.2	clear	M.86	6.31	672	
09:25	3.75	117	14.9	clear	15.56	6.34	689	Pump on bottom of well
09:35	5.0	119.1	0.0	clear	15.10	6.36	683	
09:45	6.25	119.1	0.0	clear	15.15	6.44	691	9:46 Turn pump up 1/4 to 0.5 + 6 PM
09:55	9.0	119.3	0.0	clear	15.40	6.51	686	
10:04	12.0	119.25	0.0	clear	15.33	6.55	685	
10:15	15.0	119.30	0.0	clear	15.39	6.55	685	well developed Turnoff
Final Dpth = 118.75 @ 10:45 12-10-10			Final Dpth = 128.33'					

DTW Initial = 118.0

WELL DEVELOPMENT LOG	Well ID No.: MW-49C	
Site: Garvey Elevator Site		Location: Hastings, Nebraska
Client: EPA	Contract/Delivery Order: EP-57-05-05	
A-E Contractor: HGL/CDM		Dev. Start (Date/Time): 12/4/10 ~~1350~~ 1335 calc
Developed by: BLY		Dev. End (Date/Time): 12/7/10 0955
Casing Diameter: 2 (in)	Well Depth: 149.2 (ft)	Starting SWL: 117.45 (ft)
Water Column: 32 (ft)	Casing Volume: 5.12 (gal)	Total Volume to be Purged: 15.4 (gal)

Purge Volume Calculation:

Water Col. 32 ft (X) Csg. factor* 0.16 gal/ft (=) 5.12 gal/Csg. Vol. (X) 3 Csg. Vol to purge (=) 15.4 Total Volume To Be Purged (gal)

*Casing (Csg.) Factors: 2" Well Dia. = 0.16; 4" Well Dia. = 0.65; 6" Well Dia. = 1.47

Development Method: surge & pump

Equipment: surge block, GRUNDFOS REDI FLO2, WATERRA HYDROLIFT II

Total quantity of water discharged: 265 (gal); Ending SWL: 117.25 (ft)**

Disposition of discharge water: poly tank

Time	Volume Removed (gal)	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (µmohs/cm) or (ms/cm)	Remarks (PID/FID Readings, etc.)
1400	5	127.87	7800	v. cloudy brown	12.38	7.09	0.418	surged 1335-1345 1350 start pumping
1430	50	127.35	14.4	clear	12.33	7.03	0.655	
1440	65	127.43	19.6	clear	13.40	6.98	0.655	
1450	80	127.44	11.4	clear	13.13	7.03	0.655	
—	—	stopped	pumping	pulled pump to surge				
1535	83	121.10	7800	V. cloudy brown	12.57	7.13	0.658	pump stopped, surged with pump and restarted
1545	98	123.5	137	cloudy	12.91	7.04	0.635	
1555	108	124.2	56.5	slightly cloudy	13.00	7.08	0.650	
1605	140*	124.5	22.2	clear	13.24	7.03	0.648	pump stopped, draining too many hoses, surged & back flowed had to pull pump
								* adjust not based on tanks
0755	12/7/10	117.4	depth to bottom			149.2		
0840								start pumping w/WATERRA
0850	160	—	7800	very cloudy brown	11.78	6.08	0.613	

** Below ~~top of casing (btoc)~~ ground surface (well surface sample from short hose readings estimated)

WELL DEVELOPMENT LOG	Well ID No.: MW-49C
Site: Garvey Elevator Site	Site Location: Hastings, Nebraska

Time	Volume Water Removed	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (ms/cm)	Remarks (PID/FID Readings, etc.)
0915	190	—	596	cloudy	11.14	6.73	0.619	stopped pumping 0858 – 0908
0925	205	—	216	cloudy	10.59	6.81	0.622	stopped pumping 0918 – 0921
0935	225	—	124	slightly cloudy	11.01	6.86	0.626	
0945	245	—	74.6	"	11.08	6.87	0.630	
0955	265	—	52.0	clear	11.21	6.89	0.629	
								stop pumping
1015		117.25	depth to bottom			149.2		

WELL DEVELOPMENT LOG	Well ID No.: MW-49D	
Site: Garvey Elevator Site		Location: Hastings, Nebraska
Client: EPA	Contract/Delivery Order: EP-57-05-05	
A-E Contractor: HGL/CDM		Dev. Start (Date/Time): 12/4/10 1000
Developed by:		Dev. End (Date/Time): 12/4/10 1320
Casing Diameter: 2 (in)	Well Depth: 170.9 (ft) bgs	Starting SWL: 116.20 (ft) bgs
Water Column: 54.7 (ft)	Casing Volume: 8.75 (gal)	Total Volume to be Purged: 26 (gal)

Purge Volume Calculation:
Water Col. 54.7 ft (X) Csg. factor* 0.16 gal/ft (=) 8.75 gal/Csg. Vol. (X) 3 Csg. Vol to purge (=) 26
*Casing (Csg.) Factors: 2" Well Dia. = 0.16; 4" Well Dia. = 0.65; 6" Well Dia. = 1.47
Total Volume To Be Purged (gal)

Development Method: surge and pump

Equipment: GRUNDFOS RRDI E102, surge block

Total quantity of water discharged: 227 (gal); Ending SWL: 116.10 (ft)**

Disposition of discharge water: poly tank

Time	Volume Removed (gal)	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (µmohs/cm) or (ms/cm)	Remarks (PID/FID Readings, etc.)
1015	3	116.35	7800	V. cloudy Brown	10.46	6.96	0.460	1000-1015 surge 1030 start pumping
1055	40	118.4	7800	cloudy Brown	11.71	6.93	0.491	
1105	58	~~120.8~~ 119.5	184	cloudy Brown	1235	6.93	0.498	
1115	76	119.4	91.3	slightly cloudy	12.74	6.94	0.492	
		~~117.0~~	pulled pump, surged and reset pump					
1215	110	117.0	629	cloudy brown	1236	6.98	0.544	
1230	137	117.0	8.3	clear	12.43	702	0.509	
1240	155	116.98	5.3	clear	12.33	4.89	0.510	
1250	173	116.97	2.2	clear	12.55	6.92	0.509	
1300	191	116.96	1.6	clear	12.65	6.89	0.512	
1310	209	116.96	1.4	clear	12.80	6.91	0.515	
1320	227	—	—	—	—	—	—	stopped pumping
1330		116.10						depth to bottom 170.5'

** Below ~~top of casing (btoc)~~ ground surface (estimated well surface completion not done)

WELL DEVELOPMENT LOG	Well ID No.: MW-30B	
Site: Garvey Elevator Site		Location: Hastings, Nebraska
Client: EPA	Contract/Delivery Order: EP-57-05-05	
A-E Contractor: HGL/CDM		Dev. Start (Date/Time): 12/3/10 1600
Developed by: BLY / HGL		Dev. End (Date/Time): 12/4/10 1410
Casing Diameter: 2 (in)	Well Depth: 127.3 (ft)	Starting SWL: 116.85 (ft)
Water Column: 10.45 (ft)	Casing Volume: 1.8 (gal)	Total Volume to be Purged: 5.4 (gal)

Purge Volume Calculation:

Water Col. 10.45 ft (X) Csg. factor* 0.16 gal/ft (=) 1.8 gal/Csg. Vol. (X) ~~3~~ 3 ECH Csg. Vol to purge (=) 5.4

*Casing (Csg.) Factors: 2" Well Dia. = 0.16; 4" Well Dia. = 0.65; 6" Well Dia. = 1.47

Total Volume To Be Purged (gal)

Development Method: surge & pump

Equipment: GRUNDFOS RED FLO 2, Surge block, MEGA MONSOON

Total quantity of water discharged: 192 (gal); Ending SWL: 117.67 (ft)**

Disposition of discharge water:

Time	Volume Removed (gal)	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (µmohs/cm) or (ms/cm)	Remarks (PID/FID Readings, etc.)
1620	5	—	7800	cloudy brown	13.29	7.43	0.623	1600-1610 surge pump set just above bottom
1630	10.5	119.60	7800	cloudy brown	13.60	7.59	0.652	
1640	16	120.2	249	slightly cloudy br	14.17	7.58	0.639	
1650	21	120.4	131	slightly cloudy br	14.30	7.54	0.625	
1700	26	120.7	108	clear	14.30	753	0.606	
1705	29	s.o. pump	decl pumping	cont.	tomorrow			
0850 12/4/10		117.10						surge 0915-0925
0945	33	119.0	327	slightly cloudy	10.97	6.16	0.637	
0955	40	119.45	45.9	clear	11.01	6.67	0.624	
1005	46	118.95	12.5	clear	11.28	6.81	0.617	
1015	51	119.6	31.2	slightly cloudy	11.46	6.86	0.618	
1025	58	120.2	35.2	"	11.14	6.87	0.612	
1035	65	120.3	40.4	"	11.15	6.95	0.612	

** Below ~~top of casing (btoc)~~ ground surface (estimated well surface completion not done)

WELL DEVELOPMENT LOG	Well ID No.: MW-50B
Site: Garvey Elevator Site	Site Location: Hastings, Nebraska

Time	Volume Water Removed	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (ms/cm)	Remarks (PID/FID Readings, etc.)
1045	72	120.55	38.3	slightly cloudy	9.77	6.88	0.593	
1100	79	120.8	40.0	"	11.23	6.82	0.608	
1110	86	120.78	31.6		11.18	6.90	0.608	
1130	100	121.05	20.8	clear	11.22	6.91	0.609	
1155	117	121.2	14.6	clear	11.48	7.01	0.621	switched pump charge from Driller's truck to HSI truck
1210	125	121.0	19.2	clear	11.87	6.99	0.634	pumping rate reset ~3/4-1 gal/min
1225	137	122.9	118	slightly cloudy	11.68	6.96	0.627	reset pump rate closer to 3/4 gal per min
1235	145	123.1	10.7	clear	11.99	6.98	0.627	set pump rate closer to 1/2 gal
1255	155	120.6	4.5	clear	11.48	6.92	0.635	
1305	160	120.6	2.8	clear	11.74	6.92	0.631	switched pump back to drillers truck
1315	165	120.0	11.3	clear	11.57	6.93	0.626	
1340	177	120.3	2.3	clear	10.99	6.99	0.641	
1400	192	119.9	2.8	clear	10.90	7.02	0.624	stopped pumping
1425		117.67						depth to bottom 127.3

WELL DEVELOPMENT LOG	Well ID No.: MW-50C	
Site: Garvey Elevator Site		Location: Hastings, Nebraska
Client: EPA	Contract/Delivery Order: EP-57-05-05	
A-E Contractor: HGL/CDM		Dev. Start (Date/Time): 12/3/10 13:10
Developed by: BLY / HGL		Dev. End (Date/Time): 12/3/10 15:40
Casing Diameter: 2 (in)	Well Depth: 146.45 (ft) bgs*	Starting SWL: 117.9 (ft) bgs*
Water Column: 28.55 (ft)	Casing Volume: 4.6 (gal)	Total Volume to be Purged: 14 (gal)

Purge Volume Calculation:

Water Col. 28.6 ft (X) Csg. factor* 0.16 gal/ft (=) 4.6 gal/Csg. Vol. (X) 3 Csg. Vol to purge (=) 14

Total Volume To Be Purged (gal)

*Casing (Csg.) Factors: 2" Well Dia. = 0.16; 4" Well Dia. = 0.65; 6" Well Dia. = 1.47

Development Method: Surge & pump

Equipment: Grundfos Redi Flo2, surge block w/check valve

Total quantity of water discharged: 208 (gal); Ending SWL: 117.94 (ft)** bgs

Disposition of discharge water: POLY TANK / IDW STORAGE TANK

Time	Volume Removed (gal)	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (µmohs/cm) or (ms/cm)	Remarks (PID/FID Readings, etc.)
1325	5	120.4	7800	Cloudy Brown	14.73	7.01	0.505	1310 - 1320 surge pump @ top of screen
1345	40	120.24	505	slightly Cloudy, brown	14.69	7.16	0.503	lowered pump
1355	60	120.38	111	clear	14.59	7.12	0.502	lowered pump
1405	77	120.15	7800	cloudy Brown	14.47	7.04	0.247	lowered pump to bottom
~~1430~~ 1420	removed	pump	& surged	with	surge	block		
1430	80	118.0	7800	very Cloudy Brown	14.42	7.17	0.408	
1440	100	119.47	7800	very Cloudy Brown	14.40	7.16	0.505	
1450	118	119.60	108	clear	14.69	7.19	0.507	
1500	136	119.59	47.3	clear	14.55	7.26	0.494	
1510	154	119.56	30.6	clear	14.70	7.18	0.504	
1520	172	119.59	32.4	clear	14.80	7.15	0.506	
1530	190	119.59	28.5	clear	14.62	7.12	0.504	
1540	208	119.59	31.9	clear	14.50	7.02	0.504	stopped pumping

** Below ~~top of casing (btoc)~~ ground surface (estimated well surface completion not done)

WELL DEVELOPMENT LOG	Well ID No.: MW-50D	
Site: Garvey Elevator Site		Location: Hastings, Nebraska
Client: EPA	Contract/Delivery Order: EP-57-05-05	
A-E Contractor: HGL/CDM		Dev. Start (Date/Time): 12/3/10 0915
Developed by: BLY/HGL		Dev. End (Date/Time): 12/3/10 1235
Casing Diameter: 2 (in)	Well Depth: 168.3 (ft) bgs	Starting SWL: 116.4 (ft) bgs
Water Column: 52 (ft)	Casing Volume: 8.32 (gal)	Total Volume to be Purged: ____ (gal)

Purge Volume Calculation:

Water Col. 52 ft (X) Csg. factor* 0.16 gal/ft (=) 8.32 gal/Csg. Vol. (X) 3 Csg. Vol to purge (=) 25 Total Volume To Be Purged (gal)

*Casing (Csg.) Factors: 2" Well Dia. = 0.16; 4" Well Dia. = 0.65; 6" Well Dia. = 1.47

Development Method: surge block and pump

Equipment: MEGA MONSOON 12VOLT PUMP / GRUNDFOS REDI FLO2 4 surge block

Total quantity of water discharged: 210 (gal); Ending SWL: 116.45 (ft)**

Disposition of discharge water: POLY TANK

Time	Volume Removed (gal)	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (µmohs/cm) or (ms/cm)	Remarks (PID/FID Readings, etc.)
0948	0	116.4	>808	very Cloudy Brown	12.26	5.91	0.497	0915-0925 surge Turbidity meter not registering
1000	10				12.59	6.78	0.470	"
			745	cloudy Brown	12.55	6.74	0.467	reset meter
~~Tell 1010~~ 1015	20	116.85	321	slightly cloudy	12.61	6.80	0.468	lowered pump ~2'
1025	30	116.65	71.9	clear	13.06	6.86	0.469	lowered pump ~2'
1035	40	116.60	31.7	clear	13.26	6.89	0.465	lowered pump ~2'
1045	50	116.59	34.3	clear	13.33	6.89	0.466	lowered pump ~2'
1055	60	116.58	47.5	clear	13.59	6.91	0.466	
1125	65	117.1	373	cloudy Brown	13.83	6.96	0.470	surged & switched out pumps to Grundfos
1135	90	117.05	67.1	clear	14.54	7.01	0.464	pump ~ middle of screen
1145	110	117.05	29.0	clear	14.82	7.00	0.462	
1155	130	117.05	19.9	clear	14.82	7.00	0.462	

** Below ~~top of casing (btoc)~~ ground surface (estimated) well surface completion not done

WELL DEVELOPMENT LOG	Well ID No.: MW-50D
Site: Garvey Elevator Site	Site Location: Hastings, Nebraska

Time	Volume Water Removed	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (ms/cm)	Remarks (PID/FID Readings, etc.)
1205	150	117.02	13.4	clear	14.80	7.00	0.461	
1215	170	117.01	12.0	clear	14.70	7.03	0.456	
1225	190	117.01	10.2	clear	14.78	7.00	0.456	
1235	210	117.01	9.1	clear	14.68	6.96	0.453	end pumping
1255	—	116.45	—	—	—	—	—	Depth to bottom 168.3' bgs

WELL DEVELOPMENT LOG	Well ID No.: MW-51B	
Site: Garvey Elevator Site		Location: Hastings, Nebraska
Client: EPA	Contract/Delivery Order: EP-57-05-05	
A-E Contractor: HGL/CDM		Dev. Start (Date/Time): 12/9/10 1445 / 12-10-10 13:35
Developed by: BLY/HGL Tim and Steve		Dev. End (Date/Time): 12-10-10 17:40
Casing Diameter: 2" (in)	Well Depth: 126.7 (ft) BGS	Starting SWL: 117.75 (ft)
Water Column: 8.95 (ft)	Casing Volume: 1.4 (gal)	Total Volume to be Purged: 4.2 (gal)

Purge Volume Calculation:

Water Col. 8.95 ft (X) Csg. factor* 0.16 gal/ft (=) 1.4 gal/Csg. Vol. (X) 3 Csg. Vol to purge (=) 4.2 Total Volume To Be Purged (gal)

*Casing (Csg.) Factors: 2" Well Dia. = 0.16; 4" Well Dia. = 0.65; 6" Well Dia. = 1.47

Development Method: Waterra Hydrolift II Pump w/ 3/4" ID Tubing and foot valve / Surge Block Surge and pump

Equipment: Waterra Hydrolift II Pump / Surge Block

Total quantity of water discharged: 102.5 (gal); Ending SWL: 117.2 (ft)**

Disposition of discharge water: Poly IDW Storage Tank

Time	Volume Removed (gal)	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (µmohs/cm) ~~or~~ (ms/cm)	Remarks (PID/FID Readings, etc.)
13:35	0	-	-	-	-	-	-	Surge 12/9/10 1445-1455 12-10-10 13:35 Began pumping w/ Waterra Pump
14:00	12	N/A	414	Cldy Brn	14.37	7.11	0.679	13:35-13:55 Water to surface ≈0.5 gpm
14:10	17	N/A	275	Cldy Brown	14.25	7.12	0.682	
15:15	50	NR	3.2	Clear	13.74	7.38	0.696	
15:20	52.5	Turn off Pump to Surge Unit						Surge 15:35 - 15:44 16:00 Resume pumping
16:10	57.5	NA	89.5	Sl My Cldy	13.48	7.19	0.685	
16:20	62.5	NA	-	-	-	-	-	
16:30	67.5	NA	42.2	Clear	13.16	7.07	0.688	
16:40	~~70~~ 72.5	NA	8.4	Clear	12.99	7.05	0.690	Adjustment
16:50	77.5	NA	2.2	Clear	12.72	7.02	0.693	Temperature Dropping Effective Purge water temp in discharge tubing, ~1 Bbl Storage
17:00	82.5	NA	0.0	Clear	12.50	7.02	0.692	
17:10	87.5	NA	0.2	Clear	12.45	7.04	0.690	
17:20	92.5	NA	0.0	Clear	12.49	7.04	0.690	

** ~~Below top of casing (btoc)~~ Below ground

* Note can't get PID readings During Pumping, not Enough Room in Casing for Waterra and Discharge Line

WELL DEVELOPMENT LOG	Well ID No.: MW-51B
Site: Garvey Elevator Site	Site Location: Hastings, Nebraska

Time	Volume Water Removed	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (ms/cm)	Remarks (PID/FID Readings, etc.)
1730	97.5	NA	0.0	Clear	12.31	7.04	0.693	
17:40	102.5	NA	0.0	Clear	12.33	7.04	0.692	
well development complete @ 17:40								
Final DTW @ 18.60 = 117.2 BGS								
Final Depth of well = 126.51								

WELL DEVELOPMENT LOG	Well ID No.: MW-51C	
Site: Garvey Elevator Site		Location: Hastings, Nebraska
Client: EPA	Contract/Delivery Order: EP-57-05-05	
A-E Contractor: HGL/CDM		Dev. Start (Date/Time): 12/9/14 0920
Developed by: BLY/HGL		Dev. End (Date/Time): 12/9/14 1325
Casing Diameter: 2 (in)	Well Depth: 149.6 (ft)	Starting SWL: 119.35 (ft)
Water Column: 31.3 (ft)	Casing Volume: 5.0 (gal)	Total Volume to be Purged: 15 (gal)

Purge Volume Calculation:

Water Col. 31.3 ft (X) Csg. factor* 0.16 gal/ft (=) 5.0 gal/Csg. Vol. (X) 3 Csg. Vol to purge (=) 15 Total Volume To Be Purged (gal)

*Casing (Csg.) Factors: 2" Well Dia. = 0.16; 4" Well Dia. = 0.65; 6" Well Dia. = 1.47

Development Method: Surge & pump

Equipment: surge block, GRUNDFOS RedFlo2

Total quantity of water discharged: 217 (gal); Ending SWL: 118.35 (ft)**

Disposition of discharge water: poly tank

Time	Volume Removed (gal)	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (µmohs/cm) or (ms/cm)	Remarks (PID/FID Readings, etc.)
0945	5	118.75	7800	cloudy Brown	14.17	7.61	0.563	surge 0920-0930 start pumping 0940
0955	23	118.75	344	slightly cloudy	14.57	7.47	0.586	pump @ top of screen lowered pump ~3'
1005	41	118.75	444	"	14.85	7.46	0.589	lower pump ~2'
1015	59	118.70	191	"	14.89	7.36	0.593	
		stop pumping		to surge again & clean pump out				1025-1040 surge and pull 2 barrels
1050	start pumping, no flow, pull pump and clean out again							
1150	6.5	118.70	527	Cloudy Brown/rust	16.12	7.33	0.574	1150 start pumping, pump at top of screen
1205	73	118.70	99.3	slightly cloudy	15.84	7.51	0.590	
1215	91	114.70	58.1	"	15.81	7.44	0.592	lower pump ~1'
1225	109	118.~~69~~ 71	43.8	"	15.82	7.62	0.593	
1235	127	118.71	28.6	clear	15.72	7.50	0.593	lower pump ~2'
1245	145	118.72	33.5	clear	15.65	7.50	0.590	
1255	163	118.73	10.7	clear	15.58	7.48	0.593	lower pump ~2'

** Below top of casing (btoc)

WELL DEVELOPMENT LOG	Well ID No.: MW-51C
Site: Garvey Elevator Site	Site Location: Hastings, Nebraska

Time	Volume Water Removed	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (ms/cm)	Remarks (PID/FID Readings, etc.)
1305	181	118.73	35.9	clear	15.59	7.36	0.595	
1315	199	118.73	9.8	clear	15.58	7.41	0.595	
1325	217	118.73	0.0	clear	15.68	7.51	0.594	
								stop purging
1345		118.55' bgs	bottom		150.38' bgs			

WELL DEVELOPMENT LOG	Well ID No.: MW-51D	
Site: Garvey Elevator Site		Location: Hastings, Nebraska
Client: EPA	Contract/Delivery Order: EP-57-05-05	
A-E Contractor: HGL/CDM		Dev. Start (Date/Time): 12/8/10 1550
Developed by: BLY/HGL		Dev. End (Date/Time): 12/9/10 0905
Casing Diameter: 2 (in)	Well Depth: 170.3 (ft)	Starting SWL: 116.9 (ft)
Water Column: 53.4 (ft)	Casing Volume: 8.5 (gal)	Total Volume to be Purged: 26 (gal)

Purge Volume Calculation:

Water Col 53.4 ft (X) Csg. factor* 0.16 gal/ft (=) 8.5 gal/Csg. Vol. (X) 3 Csg. Vol to purge (=) 26

*Casing (Csg.) Factors: 2" Well Dia. = 0.16; 4" Well Dia. = 0.65; 6" Well Dia. = 1.47

Total Volume To Be Purged (gal)

Development Method: Surge & pump

Equipment: surge block, GRUNDFOS RDL FLO 2, 3' bailer

Total quantity of water discharged: 210 (gal); Ending SWL: 116.83 (ft)**

Disposition of discharge water: poly tank

Time	Volume Removed (gal)	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (µmohs/cm) or (ms/cm)	Remarks (PID/FID Readings, etc.)
1555	8	117.5	182	cloudy gray	14.90	7.21	0.436	Surge 1530-1540 Start pump @ 1550
1605	28	117.52	16.1	Slightly cloudy	14.82	7.63	0.546	lower pump ~2'
1615	46	117.115	24.2	clear	14.93	7.77	0.556	lower pump ~2'
1625	64	117.4	7.4	clear	14.77	7.79	0.560	
1630	76							stop pumping to surge again and bailed out pump
						6.39		12/9/10 0735 Bailed 2 buckets full from bottom, started pumping
0755	82	117.3	>800	cloudy gray	15.11	~~3.96~~	0.580	0750 pump @ top of screen
0805	100	117.31	47.8	clear	14.22	6.76	0.547	
0815	118	117.52	13.4	clear	14.02	7.10	0.598	lower pump ~2'
0825	138	117.28	2.6	clear	13.95	7.33	0.599	
0835	156	117.29	0.0	clear	13.95	7.43	0.599	lower pump ~2'
0845	174	117.26	0.0	clear	13.88	7.52	0.598	
0855	192	117.26	0.0	clear	13.82	7.39	0.600	

** Below ~~top of casing (btoc)~~ ground surface (well surface completion not done readings @ 83 mm Hg)

WELL DEVELOPMENT LOG	Well ID No.: MW-51D
Site: Garvey Elevator Site	Site Location: Hastings, Nebraska

Time	Volume Water Removed	Water Level (ft)**	Turbidity (NTU)	Clarity/ Color	Temp (°C)	pH	Cond. (ms/cm)	Remarks (PID/FID Readings, etc.)
0905	210	117.05	8.0	Clear	13.97	7.64	0.600	
								stop pumping
0915		116.83' bgs bottom			14.08' bgs			

US EPA ARCHIVE DOCUMENT

APPENDIX F

SURVEY DATA

JEO
Consulting Group, Inc.

Engineering
Architecture
Surveying
Planning

To HGL:

I certify to the best of my knowledge that the information provided to you for work completed on 12-17-2010 was made by me or under my direct supervision and is true and accurate horizontally within .10 foot and vertically within .01 foot as indicated by our equipment. At set up, CP-2 was occupied and checked into BM NGS LH1383, the horizontal tolerance was less than .10 foot and the vertical tolerance was less than .01 foot. CP-2 is a 5/8" rebar that was established by occupying NGS Harn point # LH1383 and locating cp-2, then checking in to BM NGS LH-1476. At check-in the horizontal tolerance was within .10 foot and our vertical tolerance was within .01 foot. I have attached the NGS data sheets that were used for horizontal and vertical control for your knowledge.

Bench Mark Data.
P.I.D. LH1383
LOCATION Hastings Airport.
NAD 83 Coordinates
Latitude 40°36'10.39"N (284297.33)
Longitude 98°25'36.87"W (2077118.81)
NAVD 88 Elevation. 1943.79

P.I.D. LH1476
Location Hastings NE
NAD 83 Coordinates provided by our observation.
Latitude 40°35'46.08"N (281916.72)
Longitude 98°24'41.07"W (2081466.68)
NAVD 88 Elevation. 1927.72

CP-2 5/8" Rebar
Location Hastings NE
NAD 83 Coordinates provided by our observation
Latitude 40°34'05.486"N (271740.71)
Longitude 98°24'40.907"W (2081666.15)
NAVD 88 Elevation. 1930.14

3-24-2011

THOMAS L. KRUEGER

2837 West Highway 6, Ste. 204 • Hastings, Nebraska 68901 • 402.462.5657 • 402.461.3305 fax • www.jeo.com

The NGS Data Sheet

See file dsdata.txt for more information about the datasheet.

```
DATABASE =  ,PROGRAM = datasheet, VERSION = 7.85
1        National Geodetic Survey,   Retrieval Date = MARCH 21, 2011
 LH1383 ***********************************************************************
 LH1383  CBN         -  This is a Cooperative Base Network Control Station.
 LH1383  PACS        -  This is a Primary Airport Control Station.
 LH1383  DESIGNATION -  HSI ARP 2
 LH1383  PID         -  LH1383
 LH1383  STATE/COUNTY-  NE/ADAMS
 LH1383  USGS QUAD   -  HASTINGS WEST (1983)
 LH1383
 LH1383                        *CURRENT SURVEY CONTROL
 LH1383 ______________________________________________________________________
 LH1383* NAD 83(2007)-  40 36 10.38968(N)     098 25 36.87177(W)      ADJUSTED
 LH1383* NAVD 88     -       592.467  (meters)     1943.79   (feet)  ADJUSTED
 LH1383 ______________________________________________________________________
 LH1383  EPOCH DATE  -         2002.00
 LH1383  X           -    -710,732.227 (meters)                       COMP
 LH1383  Y           -  -4,797,477.302 (meters)                       COMP
 LH1383  Z           -   4,129,410.029 (meters)                       COMP
 LH1383  LAPLACE CORR-          -2.23  (seconds)                      DEFLEC09
 LH1383  ELLIP HEIGHT-         567.238 (meters)          (02/10/07)  ADJUSTED
 LH1383  GEOID HEIGHT-         -25.23  (meters)                      GEOID09
 LH1383  DYNAMIC HT  -         592.135 (meters)     1942.70  (feet)  COMP
 LH1383
 LH1383  ------- Accuracy Estimates (at 95% Confidence Level in cm) --------
 LH1383  Type    PID    Designation                        North   East  Ellip
 LH1383  ----------------------------------------------------------------------
 LH1383  NETWORK LH1383 HSI ARP 2                           0.33   0.22   0.73
 LH1383  ----------------------------------------------------------------------
 LH1383  MODELED GRAV-     980,045.4   (mgal)                          NAVD 88
 LH1383
 LH1383  VERT ORDER  -  FIRST     CLASS II
 LH1383
 LH1383.This mark is at Hastings Municipal Airport (HSI)
 LH1383
 LH1383.The horizontal coordinates were established by GPS observations
 LH1383.and adjusted by the National Geodetic Survey in February 2007.
 LH1383
 LH1383.The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).
 LH1383.See National Readjustment for more information.
 LH1383.The horizontal coordinates are valid at the epoch date displayed above.
 LH1383.The epoch date for horizontal control is a decimal equivalence
 LH1383.of Year/Month/Day.
 LH1383
 LH1383.The orthometric height was determined by differential leveling and
 LH1383.adjusted in May 1993.
 LH1383
 LH1383.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 LH1383
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LH1383.The Laplace correction was computed from DEFLEC09 derived deflections.
LH1383
LH1383.The ellipsoidal height was determined by GPS observations
LH1383.and is referenced to NAD 83.
LH1383
LH1383.The geoid height was determined by GEOID09.
LH1383
LH1383.The dynamic height is computed by dividing the NAVD 88
LH1383.geopotential number by the normal gravity value computed on the
LH1383.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
LH1383.degrees latitude (g = 980.6199 gals.).
LH1383
LH1383.The modeled gravity was interpolated from observed gravity values.
LH1383
LH1383;                    North         East      Units Scale Factor Converg.
LH1383;SPC NE       -    86,654.000   633,107.079   MT  0.99978171   +1 02 32.9
LH1383;SPC NE       -   284,297.33  2,077,118.81   sFT  0.99978171   +1 02 32.9
LH1383;UTM  14      - 4,494,832.982   548,486.086   MT  0.99962894   +0 22 22.7
LH1383
LH1383!             -  Elev Factor  x  Scale Factor =   Combined Factor
LH1383!SPC NE       -   0.99991103  x   0.99978171  =   0.99969276
LH1383!UTM  14      -   0.99991103  x   0.99962894  =   0.99954000
LH1383
LH1383:                Primary Azimuth Mark                    Grid Az
LH1383:SPC NE       -  HSI AP STA B                            132 55 14.9
LH1383:UTM  14      -  HSI AP STA B                            133 35 25.1
LH1383
LH1383|-----------------------------------------------------------------------|
LH1383| PID    Reference Object                    Distance      Geod. Az   |
LH1383|                                                          dddmmss.s  |
LH1383| LH1381 HSI AP STA B                      APPROX. 0.6 KM 1335747.8  |
LH1383| AB4143 HSI AP STA A                      APPROX. 1.1 KM 3384556.2  |
LH1383|-----------------------------------------------------------------------|
LH1383
LH1383                          SUPERSEDED SURVEY CONTROL
LH1383
LH1383  ELLIP H (07/10/01)  567.225  (m)                        GP(      ) 4 1
LH1383  NAD 83(1995)-  40 36 10.38950(N)    098 25 36.87123(W) AD(      ) B
LH1383  ELLIP H (06/25/96)  567.273  (m)                        GP(      ) 1 1
LH1383  NAD 83(1986)-  40 36 10.39666(N)    098 25 36.87519(W) AD(      ) 1
LH1383  NAVD 88 (06/25/96)  592.47   (m)         1943.8    (f) LEVELING    3
LH1383  NGVD 29 (02/23/90)  592.1    (m)         1943.     (f) GPS OBS
LH1383
LH1383.Superseded values are not recommended for survey control.
LH1383.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
LH1383.See file dsdata.txt to determine how the superseded data were derived.
LH1383
LH1383_U.S. NATIONAL GRID SPATIAL ADDRESS: 14TNK4848694832(NAD 83)
LH1383_MARKER: DT = TOPOGRAPHIC STATION DISK
LH1383_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
LH1383_SP_SET: CONCRETE POST
LH1383_STAMPING: ARP 2 HSI 1976
LH1383_MARK LOGO: CGS
LH1383_MAGNETIC: N = NO MAGNETIC MATERIAL
LH1383_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
LH1383+STABILITY: SURFACE MOTION
LH1383_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
LH1383+SATELLITE: SATELLITE OBSERVATIONS - May 11, 2006
LH1383
LH1383  HISTORY     - Date     Condition        Report By
```

```
LH1383  HISTORY      - 1976     MONUMENTED       NGS
LH1383  HISTORY      - 19890418 GOOD             NGS
LH1383  HISTORY      - 19900615 GOOD             NGS
LH1383  HISTORY      - 19911008 GOOD             NGS
LH1383  HISTORY      - 19950724 GOOD             NGS
LH1383  HISTORY      - 19970716 GOOD             NGS
LH1383  HISTORY      - 20000601 GOOD             NEDR
LH1383  HISTORY      - 20021210 GOOD             NEDR
LH1383  HISTORY      - 20040309 GOOD             NDA
LH1383  HISTORY      - 20060511 GOOD             USGS
LH1383  HISTORY      - 20100427 GOOD             JEOCON
LH1383
LH1383                          STATION DESCRIPTION
LH1383
LH1383'DESCRIBED BY NATIONAL GEODETIC SURVEY 1989
LH1383'THE STATION IS LOCATED ABOUT 3.5 KM (2.15 MI) NORTHWEST OF HASTINGS,
LH1383'AT THE HASTINGS MUNICIPAL AIRPORT.  OWNERSHIP--HASTINGS AIRPORT
LH1383'AUTHORITY, P.O. BOX 1143, HASTINGS, NE 68901.  AIRPORT MANAGER IS
LH1383'JERRY YEAGER, TELEPHONE IS 402-462-6422.
LH1383'TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAYS 6, 34 AND 281
LH1383'SOUTH, ON THE SOUTH SIDE OF HASTINGS, GO WEST ON HIGHWAYS 6 AND 34 FOR
LH1383'1.62 KM (1.00 MI) TO A CROSSROAD.  TURN RIGHT AND GO NORTH ON MARIAN
LH1383'ROAD FOR 3.21 KM (2.00 MI) TO A CROSSROAD.  TURN LEFT AND GO WEST ON
LH1383'12TH STREET FOR 0.39 KM (0.25 MI) TO AN AIRPORT GATE ON THE RIGHT AT
LH1383'AN AIRPORT BEACON.  TURN RIGHT AND GO NORTH THROUGH THE GATE, THEN
LH1383'ACROSS AN APRON, THEN A TAXIWAY FOR 0.64 KM (0.40 MI) TO A TAXIWAY ON
LH1383'THE RIGHT.  TURN RIGHT AND GO NORTHEAST FOR 0.08 KM (0.05 MI) TO THE
LH1383'STATION ON THE LEFT.
LH1383'THE STATION MARK IS SET ABOUT 150 M (492.1 FT) SOUTHWEST OF RUNWAY
LH1383'14-32, 71.0 M (232.9 FT) NORTHEAST OF A TAXIWAY EDGE, 30.3 M
LH1383'(99.4 FT) NORTHWEST OF A TAXIWAY EDGE, 39.5 M (129.6 FT)
LH1383'NORTH-NORTHEAST OF TAXIWAY LIGHT --53--, 29.0 M (95.1 FT)
LH1383'NORTH-NORTHWEST OF TAXIWAY LIGHT --54--, 0.3 M (1.0 FT) SOUTHWEST OF A
LH1383'WITNESS POST AND IS RECESSED 1 CM BELOW THE SURFACE.
LH1383'DESCRIBED BY G.R.HEID.
LH1383
LH1383                          STATION RECOVERY (1990)
LH1383
LH1383'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1990
LH1383'THE STATION IS LOCATED NEAR THE INTERSECTIONS OF RWYS 04-22 AND 14-32.
LH1383'IT IS 226 FT (68.9 M) SE OF THE SOUTH EDGE RWY 04-22, 232.5 FT (70.9
LH1383'M) NE OF THE EAST EDGE OF A TAXIWAY, 99.4 FT (30.3 M) NW OF THE NORTH
LH1383'EDGE OF A TAXIWAY.  THE STATION IS A STANDARD NOS DISK SET FLUSH WITH
LH1383'THE GROUND AND STAMPED, ARP 2 HSI 1976.  NOTE, NO CENTER POINT WAS
LH1383'STAMPED IN THE DISK DURING THE 1976 SURVEY SO IT WAS DONE THIS SURVEY
LH1383'WITH A CENTER PUNCH.
LH1383
LH1383                          STATION RECOVERY (1991)
LH1383
LH1383'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1991
LH1383'2.8 KM (1.75 MI) WESTERLY ALONG WEST 12TH STREET FROM THE JUNCTION OF
LH1383'U.S. HIGHWAY 281 IN HASTINGS, THENCE 0.1 KM (0.05 MI) NORTH ALONG A
LH1383'PARKING LOT, THENCE 0.6 KM (0.35 MI) NORTHEASTERLY ALONG A TAXIWAY,
LH1383'THENCE 0.1 KM (0.05 MI) NORTHEASTERLY ALONG A TAXIWAY, 120.0 M (393.7
LH1383'FT) NORTHWEST OF A WINDSOCK, 120.0 M (393.7 FT) SOUTHWEST OF THE
LH1383'SOUTHWEST EDGE OF RUNWAY 17-32, 71.0 M (232.9 FT) NORTHEAST OF THE
LH1383'NORTHEAST EDGE OF A TAXIWAY, 30.3 M (99.4 FT) NORTHWEST OF THE
LH1383'NORTHWEST EDGE OF THE TAXIWAY, 1.5 M (4.9 FT) ABOVE THE LEVEL OF THE
LH1383'TAXIWAY, 0.3 M (1.0 FT) SOUTHEAST OF A WITNESS POST, AND THE MONUMENT
LH1383'IS FLUSH WITH THE GROUND SURFACE.
```

LH1383
LH1383 STATION RECOVERY (1995)
LH1383
LH1383'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1995 (CFS)
LH1383'THE STATION IS LOCATED ABOUT 4.8 MI (7.7 KM) EAST-NORTHEAST OF
LH1383'JUNIATA, ON THE NORTHWEST SIDE OF HASTINGS AT THE HASTINGS MUNICIPAL
LH1383'AIRPORT AND IN A GRASS AREA SOUTH OF THE INTERSECTION OF THE RUNWAYS.
LH1383'OWNERSHIP--HASTINGS AIRPORT AUTHORITY, PO BOX 1143, HASTINGS NE 68901.
LH1383'AIRPORT MANAGER IS JERRY YEAGER, PHONE (402) 462-6422. TO REACH THE
LH1383'STATION FROM THE JUNCTION OF U.S. HIGHWAYS 6, 34 AND 281 NORTH ON THE
LH1383'SOUTH SIDE OF HASTINGS, GO NORTH ON U.S. HIGHWAY 281/34 FOR 2.0 MI
LH1383'(3.2 KM) TO AN INTERSECTION, TURN LEFT AND GO WEST ON 12TH STREET FOR
LH1383'1.5 MI (2.4 KM) TO AN INTERSECTION (MARIAN ROAD), CONTINUE AHEAD AND
LH1383'GO WEST ON 12TH STREET FOR 0.25 MI (0.40 KM) TO A GATE ON THE RIGHT
LH1383'(JUST PAST THE BEACON), TURN RIGHT, PASS THROUGH GATE AND GO NORTH
LH1383'ACROSS THE APRON FOR 0.1 MI (0.2 KM) TO A TAXIWAY LEADING TO THE
LH1383'NORTH, GO NORTH THEN NORTHWEST FOLLOWING THE TAXIWAY FOR 0.25 MI (0.40
LH1383'KM) TO THE INTERSECTION WITH A NE/SW PARALLEL TAXIWAY, TURN RIGHT AND
LH1383'GO NORTHEAST ON THE PARALLEL TAXIWAY (B) FOR 0.05 MI (0.08 KM) TO THE
LH1383'STATION ON THE LEFT ABOUT 4 FT (1.2 M) HIGHER THAN THE TAXIWAY. THE
LH1383'STATION IS 393.8 FT (120.0 M) NORTHWEST OF A WINDSOCK, 404 FT (123.1
LH1383'M) SOUTHWEST OF THE SOUTHWEST EDGE OF RUNWAY 14/32, 232.9 FT (71.0 M)
LH1383'NORTHEAST OF THE NORTHEAST EDGE OF A TAXIWAY, 99.4 FT (30.3 M)
LH1383'NORTHWEST OF THE NORTHWEST EDGE OF THE TAXIWAY AND 1.0 FT (0.3 M)
LH1383'SOUTHEAST OF A WITNESS POST. STATION IS RECESSED 4 CM BELOW THE
LH1383'GROUND. NOTE--THIS STATION WAS USED AS AN AREA NAVIGATION APPROACH
LH1383'PRIMARY AIRPORT CONTROL STATION.
LH1383
LH1383 STATION RECOVERY (1997)
LH1383
LH1383'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1997 (AJL)
LH1383'RECOVERED AS DESCRIBED.
LH1383
LH1383 STATION RECOVERY (2000)
LH1383
LH1383'RECOVERY NOTE BY NEBRASKA ROADS DEPARTMENT 2000 (JAO)
LH1383'RECOVERED AS DESCRIBED.
LH1383
LH1383 STATION RECOVERY (2002)
LH1383
LH1383'RECOVERY NOTE BY NEBRASKA ROADS DEPARTMENT 2002
LH1383'RECOVERED IN GOOD CONDITION.
LH1383
LH1383 STATION RECOVERY (2004)
LH1383
LH1383'RECOVERY NOTE BY NATIONAL DEPARTMENT OF AERONAUTICS 2004 (BJS)
LH1383'OWNERSHIP - CITY OF HASTINGS, 220 N. HASTINGS AVE., HASTINGS, NE
LH1383'68901. CITY ENGINEER IS DAVID WACKER, (402) 461-2330
LH1383
LH1383 STATION RECOVERY (2006)
LH1383
LH1383'RECOVERY NOTE BY US GEOLOGICAL SURVEY 2006 (BKW)
LH1383'RECOVERED IN GOOD CONDITION.
LH1383
LH1383 STATION RECOVERY (2010)
LH1383
LH1383'RECOVERY NOTE BY JEO CONSULTING GROUP INC 2010 (JG)
LH1383'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:00

The NGS Data Sheet

See file dsdata.txt for more information about the datasheet.

```
DATABASE =  ,PROGRAM = datasheet, VERSION = 7.85
1        National Geodetic Survey,   Retrieval Date = MARCH 21, 2011
 LH1476 ***********************************************************************
 LH1476  DESIGNATION -  Z 438
 LH1476  PID         -  LH1476
 LH1476  STATE/COUNTY-  NE/ADAMS
 LH1476  USGS QUAD   -  HASTINGS WEST (1983)
 LH1476
 LH1476                         *CURRENT SURVEY CONTROL
 LH1476  ______________________________________________________________________
 LH1476* NAD 83(1986)-  40 35 45.      (N)     098 24 41.      (W)      SCALED
 LH1476* NAVD 88      -       587.570  (meters)     1927.72    (feet)   ADJUSTED
 LH1476  ______________________________________________________________________
 LH1476  GEOID HEIGHT-          -25.25  (meters)                         GEOID09
 LH1476  DYNAMIC HT  -          587.241 (meters)     1926.64    (feet)   COMP
 LH1476  MODELED GRAV-      980,046.1   (mgal)                           NAVD 88
 LH1476
 LH1476  VERT ORDER  -  FIRST     CLASS II
 LH1476
 LH1476.The horizontal coordinates were scaled from a topographic map and have
 LH1476.an estimated accuracy of +/- 6 seconds.
 LH1476
 LH1476.The orthometric height was determined by differential leveling and
 LH1476.adjusted in May 1993.
 LH1476
 LH1476.The geoid height was determined by GEOID09.
 LH1476
 LH1476.The dynamic height is computed by dividing the NAVD 88
 LH1476.geopotential number by the normal gravity value computed on the
 LH1476.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 LH1476.degrees latitude (g = 980.6199 gals.).
 LH1476
 LH1476.The modeled gravity was interpolated from observed gravity values.
 LH1476
 LH1476;                    North         East     Units  Estimated Accuracy
 LH1476;SPC NE       -    85,900.      634,440.      MT  (+/- 180 meters Scaled)
 LH1476
 LH1476                          SUPERSEDED SURVEY CONTROL
 LH1476
 LH1476.No superseded survey control is available for this station.
 LH1476
 LH1476_U.S. NATIONAL GRID SPATIAL ADDRESS: 14TNK498940(NAD 83)
 LH1476_MARKER: I = METAL ROD
 LH1476_SETTING: 49 = STAINLESS STEEL ROD W/O SLEEVE (10 FT.+)
 LH1476_SP_SET: STAINLESS STEEL ROD
 LH1476_STAMPING: Z 438 1991
 LH1476_MARK LOGO: NGS
 LH1476_PROJECTION: FLUSH
 LH1476_MAGNETIC: I = MARKER IS A STEEL ROD
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LH1476_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
LH1476_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
LH1476+SATELLITE: SATELLITE OBSERVATIONS - 1991
LH1476_ROD/PIPE-DEPTH: 14.3 meters
LH1476
LH1476  HISTORY      - Date      Condition        Report By
LH1476  HISTORY      - 1991      MONUMENTED       NGS
LH1476  HISTORY      - 20100427 GOOD              JEOCON
LH1476
LH1476                           STATION DESCRIPTION
LH1476
LH1476'DESCRIBED BY NATIONAL GEODETIC SURVEY 1991
LH1476'IN HASTINGS, AT THE INTERSECTION OF CRANE AVENUE AND HOME STREET,
LH1476'30.6 M (100.4 FT) WEST OF THE AVENUE CENTER, 6.8 M (22.3 FT) NORTH OF
LH1476'AND LEVEL WITH THE STREET CENTER, 2.2 M (7.2 FT) SOUTH OF A
LH1476'CHAIN-LINK FENCE AND WITNESS POST, AND 0.7 WEST OF A UTILITY POLE.
LH1476'NOTE--ACCESS TO THE DATUM POINT IS THROUGH A 5-INCH LOGO CAP.
LH1476
LH1476                           STATION RECOVERY (2010)
LH1476
LH1476'RECOVERY NOTE BY JEO CONSULTING GROUP INC 2010 (JG)
LH1476'RECOVERED IN GOOD CONDITION.

*** retrieval complete.
Elapsed Time = 00:00:00
```

Job:HGL-12 Units:USSurveyFeet

PointName	Northing	Easting	Elevation	Code	Note
97	271740.7	2081666	1930.135	CP-5/8" REBAR	
1	270779.7	2081046	1932.747	MW47-TOP CENTER CASING	
2	270779.7	2081046	1932.089	MW47-B T	Modified 1:48:37 PM 12/17/2010
3	270779.8	2081046	1932.09	MW47-C TOP PVC	
4	270779.6	2081046	1932.102	MW47-D TOP PVC	
5	270644	2080860	1932.067	MW49- TOP CENTER CASING	
6	270644.2	2080860	1931.462	MW49-B TOP PVC	
7	270643.9	2080860	1931.472	MW49-C T	Modified 1:55:45 PM 12/17/2010
8	270643.9	2080860	1931.463	MW49-D TOP PVC	
9	270038	2080890	1931.645	MW48- TO	Modified 2:09:15 PM 12/17/2010
10	270038.2	2080890	1931.054	MW48-B TOP PVC	
11	270037.9	2080890	1931.025	MW48-C T	Modified 2:07:42 PM 12/17/2010
12	270038.3	2080890	1931.052	MW48-D T	Modified 2:07:04 PM 12/17/2010
13	270305.8	2080988	1932.011	MW51- TOP CENTER CASING	
14	270305.9	2080987	1931.601	MW51-B TOP PVC	
15	270305.7	2080988	1931.622	MW51-C TOP PVC	
16	270305.9	2080988	1931.622	MW51-D TOP PVC	
17	270485.8	2080900	1932.067	MW50- TO	Modified 2:18:20 PM 12/17/2010
18	270485.9	2080900	1931.508	MW50-B TOP PVC	
19	270485.9	2080900	1931.539	MW50-C T	Modified 2:19:43 PM 12/17/2010
20	270486.1	2080900	1931.46	MW50-D T	Modified 2:19:51 PM 12/17/2010
21	270781.2	2081046	1929.95	MW47 Ground	
22	270645.5	2080860	1929.34	MW49 Ground	
23	270039.5	2080890	1928.87	MW48 Ground	
24	270307.3	2080988	1929.43	MW51 Ground	
25	270487.3	2080900	1929.25	MW50 Ground	

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APPENDIX G

GEOTECHNICAL SOIL ANALYSIS DATA

US EPA ARCHIVE DOCUMENT

Summary of Laboratory Testing

SLT 22205

Alpha-Omega Geotech, Inc.
1701 State Avenue
Kansas City, KS 66102
Office: (913) 371-0000 Fax: (913) 371-6710
Website: www.aogeotech.com

GEOTECH

PROJECT NAME: Garvey Elevator Site, # EP9046.02.62.01.00.00
PROJECT NUMBER: 11-118T
PROJECT LOCATION: Hastings, N.E.
DATE: 1/13/2011

Boring Number	Sample Number	Depth or Elevation	Description	Natural Moisture (%)	Dry Unit Weight (pcf)	Atterberg Limits LL	PL	PI	USCS Class.	% Passing No. 200	Unconfined Compression PSF	‰	% Swell	Remarks
	MW 50	128.5' - 130.5'	Light brown, sandy LEAN CLAY	17.2	117.5				ML	88.5				Please see the attached Grain Size, Specific Gravity and Permeability Test Reports.
	MW 49	125' - 127.5'	Light brown, poorly graded sand	14.0	101.8				SP	4.9				Please see the attached Grain Size, Specific Gravity and Permeability Test Reports.
	MW 50	145.5' - 147.5'	Poorly graded sand with gravel	8.6	110.1				SP-SM	5.2				Please see the attached Grain Size, Specific Gravity and Permeability Test Reports.
	MW 48	151' - 154'	Brown, sandy LEAN CLAY	16.1	113.8				ML	51.8				Please see the attached Grain Size, Specific Gravity and Permeability Test Reports.
	MW 48	160' - 162'	Poorly graded sand	16.3	102.7				SP	2.9				Please see the attached Grain Size, Specific Gravity and Permeability Test Reports.

ASTM D2434 Constant Head Permeability Report

CHPR 32505

Alpha-Omega Geotech, Inc.
1701 State Avenue
Kansas City, KS 66102
Office: (913) 371-0000 Fax: (913) 371-6710
Website: www.aogeotech.com

PROJECT NAME:	Garvey Elevator Site, #EP9046.02.62.01.00.00	PROJECT NO.:	11-118T
LOCATION			
BORING NO.	SAMPLE NO. MW-48	DEPTH:	160' - 162'
SAMPLE TYPE	Remold - Funnel Method	% COMPACTION:	---

	INITIAL DATA		FINAL DATA	
MOISTURE	0.1	%	18.8	%
DRY UNIT WT.	100.9	pcf	100.9	pcf
HEIGHT	4.81	inches	4.81	inches
DIAMETER	3.00	inches	3.00	inches
WEIGHT	901.1	grams	1069.4	grams
SATURATION	0.5	%	100	%
PERMEANT LIQ.	Tap Water			
PERMETER NO.	L-3			
SAMPLE DESC.	Poorly graded sand			

TEST DATA

DATE	TEST NO.	TIME (sec)	HEAD (cm)	TEMP °C	Q cc	HYDRAULIC CONDUCTIVITY cm/s
1/25/2011	1	106	8.4	26	100	1.88E-02
1/25/2011	2	106	8.4	26	100	1.88E-02
1/25/2011	3	106	8.4	26	100	1.88E-02
1/25/2011	4	106	8.4	26	100	1.88E-02
AVERAGE		106	8.4	26	100	1.88E-02

k= 1.88E-02 cm/s
k= 1.88E-04 m/s
k20= 1.63E-02 cm/s
k20= 1.63E-04 m/s

n/n20= 0.8694

ASTM D2434 Constant Head Permeability Report

CHPR 32505

Alpha-Omega Geotech, Inc.
1701 State Avenue
Kansas City, KS 66102
Office: (913) 371-0000 Fax: (913) 371-6710
Website: www.aogeotech.com

PROJECT NAME:	Garvey Elevator Site, #EP9046.02.62.01.00.00	PROJECT NO.:	11-118T
LOCATION			
BORING NO.	SAMPLE NO. MW-50	DEPTH:	145.5' - 147.5'
SAMPLE TYPE	Remold - Funnel Method	% COMPACTION:	---

	INITIAL DATA		FINAL DATA	
MOISTURE	0.1	%	11.2	%
DRY UNIT WT.	106.0	pcf	106.0	pcf
HEIGHT	6.37	inches	6.37	inches
DIAMETER	4.50	inches	4.50	inches
WEIGHT	2823.0	grams	3136.0	grams
SATURATION	0.9	%	100	%
PERMEANT LIQ.	Tap Water			
PERMETER NO.	L-3			
SAMPLE DESC.	Poorly graded sand with gravel			

TEST DATA

DATE	TEST NO.	TIME (sec)	HEAD (cm)	TEMP °C	Q cc	HYDRAULIC CONDUCTIVITY cm/s
1/25/2011	1	39	12.0	26	100	2.38E-02
1/25/2011	2	39	12.0	26	100	2.38E-02
1/25/2011	3	39	12.0	26	100	2.38E-02
1/25/2011	4	39	12.0	26	100	2.38E-02
AVERAGE		39	12.0	26	100	2.38E-02

k= 2.38E-02 cm/s
k= 2.38E-04 m/s
k20= 2.07E-02 cm/s
k20= 2.07E-04 m/s

n/n20= 0.8694

ASTM D2434 Constant Head Permeability Report

CHPR 32505

Alpha-Omega Geotech, Inc.
1701 State Avenue
Kansas City, KS 66102
Office: (913) 371-0000 Fax: (913) 371-6710
Website: www.aogeotech.com

PROJECT NAME:	Garvey Elevator Site, #EP9046.02.62.01.00.00	PROJECT NO.:	11-118T
LOCATION			
BORING NO.	SAMPLE NO. MW-49	DEPTH:	125' - 127.5'
SAMPLE TYPE	Remold - Funnel Method	% COMPACTION:	---

	INITIAL DATA		FINAL DATA	
MOISTURE	0.1	%	16.1	%
DRY UNIT WT.	103.5	pcf	103.5	pcf
HEIGHT	4.93	inches	4.93	inches
DIAMETER	3.00	inches	3.00	inches
WEIGHT	948.1	grams	1099.6	grams
SATURATION	0.6	%	100	%
PERMEANT LIQ.	Tap Water			
PERMETER NO.	L-3			
SAMPLE DESC.	Poorly graded sand with gravel			

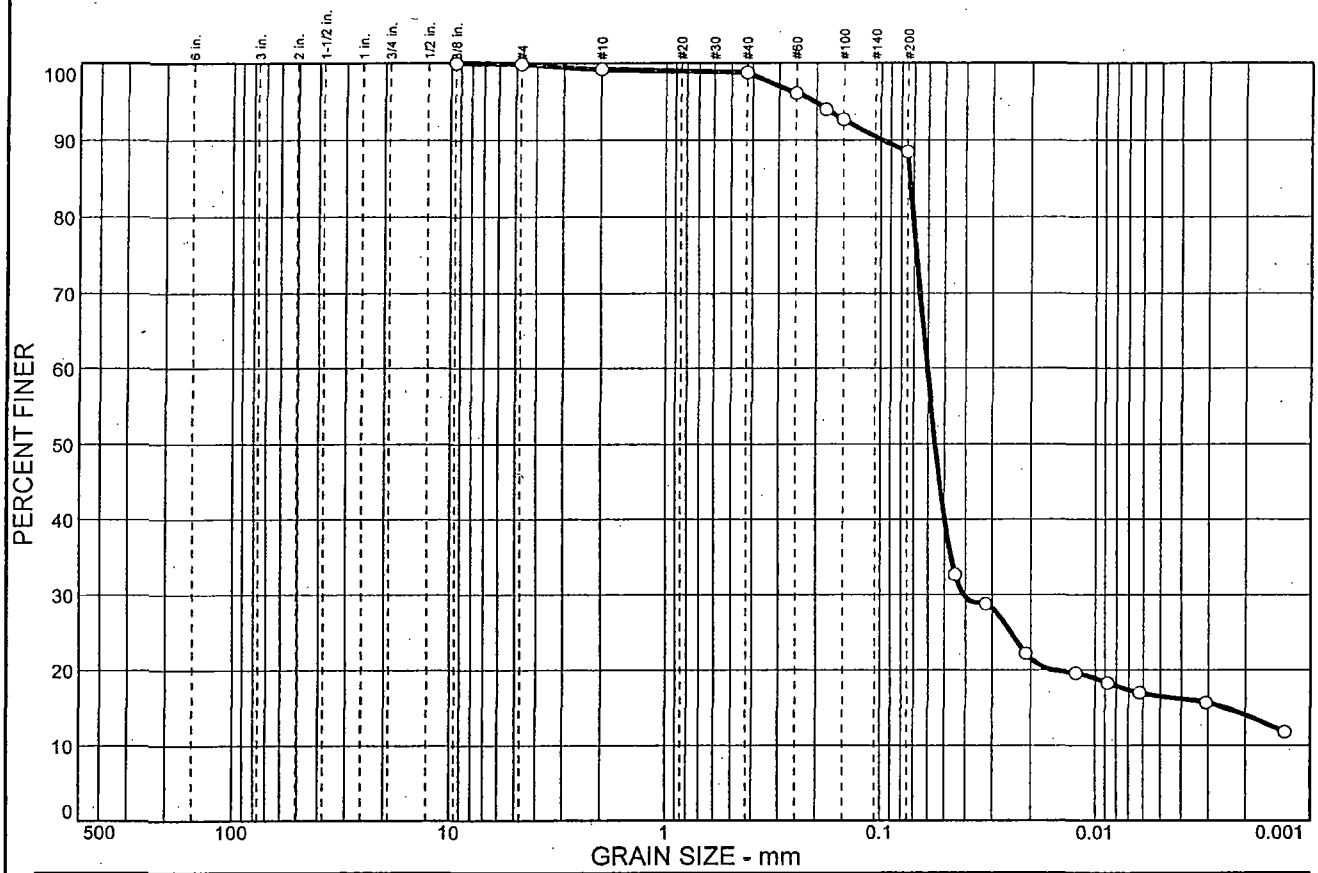
TEST DATA

DATE	TEST NO.	TIME (sec)	HEAD (cm)	TEMP °C	Q cc	HYDRAULIC CONDUCTIVITY cm/s
1/25/2011	1	67	12.7	26	100	1.96E-02
1/25/2011	2	67	12.7	26	100	1.96E-02
1/25/2011	3	67	12.7	26	100	1.96E-02
1/25/2011	4	67	12.7	26	100	1.96E-02
AVERAGE		67	12.7	26	100	1.96E-02

k= 1.96E-02 cm/s
k= 1.96E-04 m/s
k20= 1.71E-02 cm/s
k20= 1.71E-04 m/s

n/n20= 0.8694

Grain Size Analysis ASTM D422



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.1	0.7	0.4	10.3	72.0	16.5

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375 in.	100.0		
#4	99.9		
#10	99.2		
#40	98.8		
#60	96.1		
#80	94.0		
#100	92.7		
#200	88.5		

* (no specification provided)

Material Description

Light brown Silt

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.0731 D_{60}= 0.0605 D_{50}= 0.0555
D_{30}= 0.0408 D_{15}= 0.0025 D_{10}=
C_u= C_c=

Classification

USCS= ML AASHTO=

Remarks

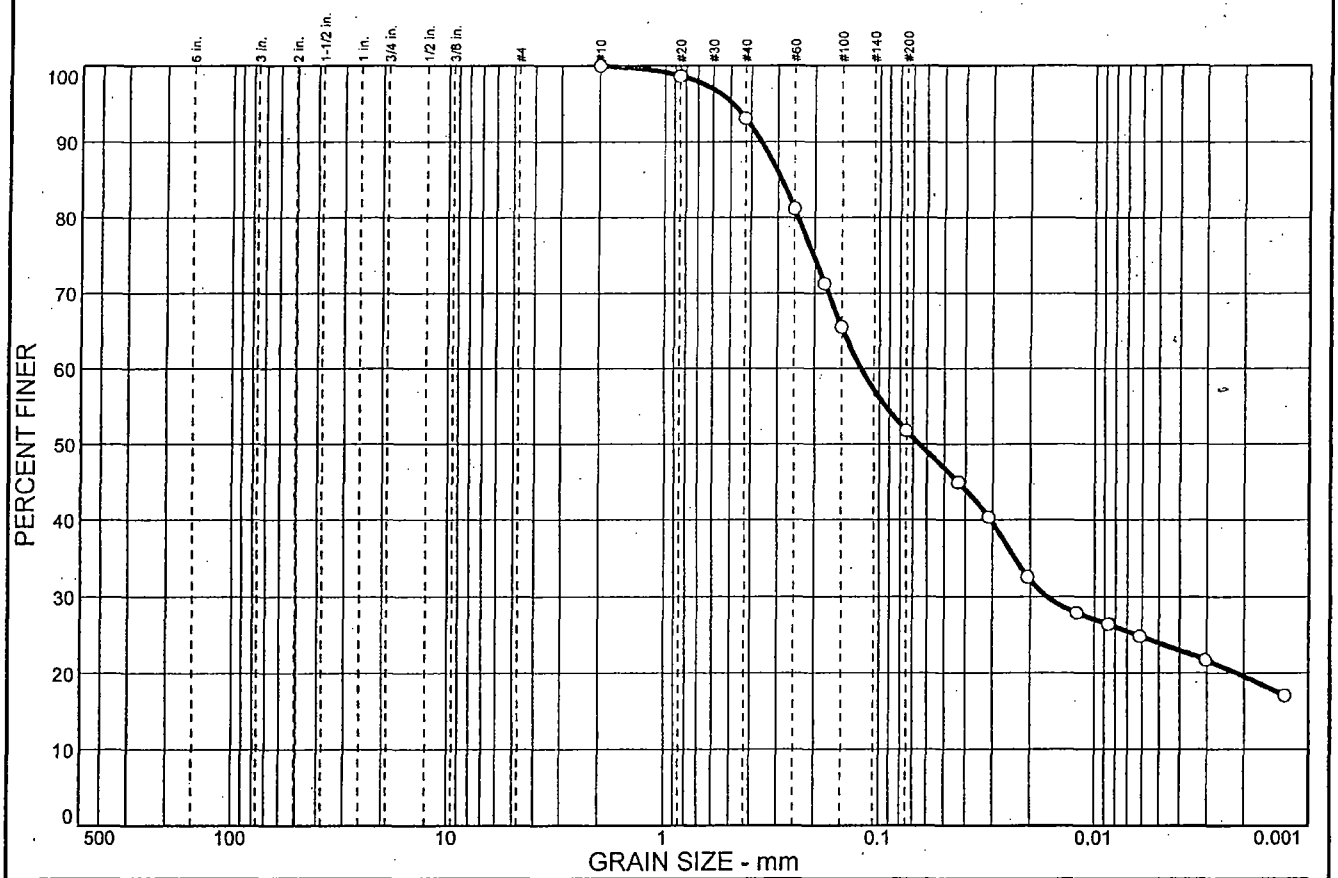
Sample No.: MW-50 Source of Sample: Date: 1/3/11
Location: Elev./Depth: 128.5'-

Alpha-Omega Geotech, Inc.

Client: HydroGeologic, Inc.
Project: Garvey Elevator Site, #EP9046.02.62.01.00.00

Project No: 11-118T Figure 1 of 1

Grain Size Analysis ASTM D422



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.0	0.0	6.9	41.3	27.9	23.9

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#10	100.0		
#20	98.7		
#40	93.1		
#60	81.2		
#80	71.3		
#100	65.5		
#200	51.8		

* (no specification provided)

Material Description

Brown Sandy silt

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.288 D_{60}= 0.121 D_{50}= 0.0652
D_{30}= 0.0166 D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= ML AASHTO=

Remarks

Sample No.: MW-48 **Source of Sample:** **Date:** 1/3/11
Location: **Elev./Depth:** 151' - 154'

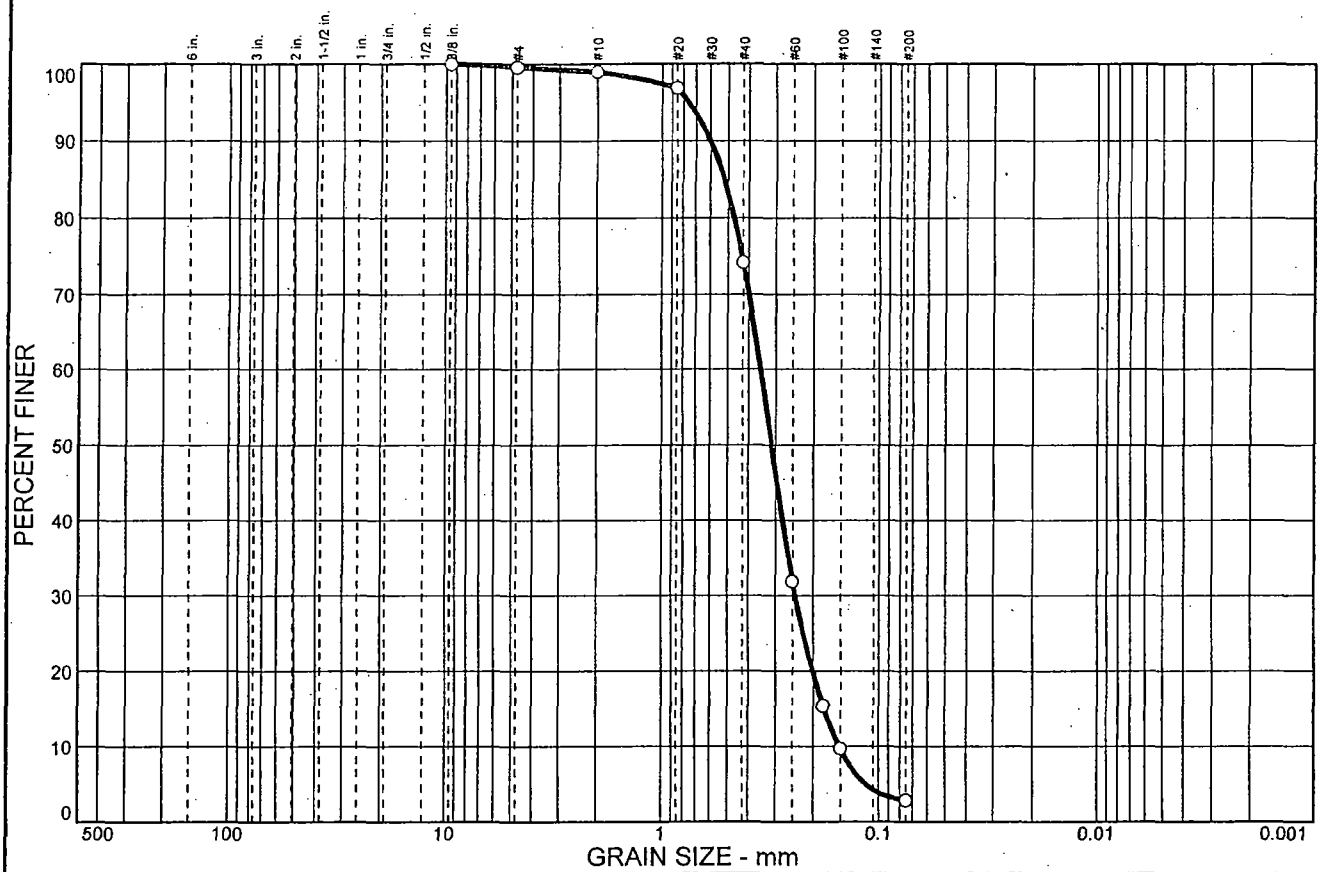
GEOTECH

Alpha-Omega Geotech, Inc.

Client: HydroGeologic, Inc.
Project: Garvey Elevator Site, #EP9046.02.62.01.00.00

Project No: 11-118T **Figure** 1 of 1

Grain Size Analysis ASTM D422



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.4	0.6	24.8	71.3	2.9	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
0.375 in.	100.0		
#4	99.6		
#10	99.0		
#20	96.9		
#40	74.2		
#60	31.9		
#80	15.4		
#100	9.7		
#200	2.9		

* (no specification provided)

Material Description

Poorly graded sand

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.521 D_{60}= 0.353 D_{50}= 0.314
D_{30}= 0.243 D_{15}= 0.178 D_{10}= 0.152
C_u= 2.33 C_c= 1.10

Classification

USCS= SP AASHTO=

Remarks

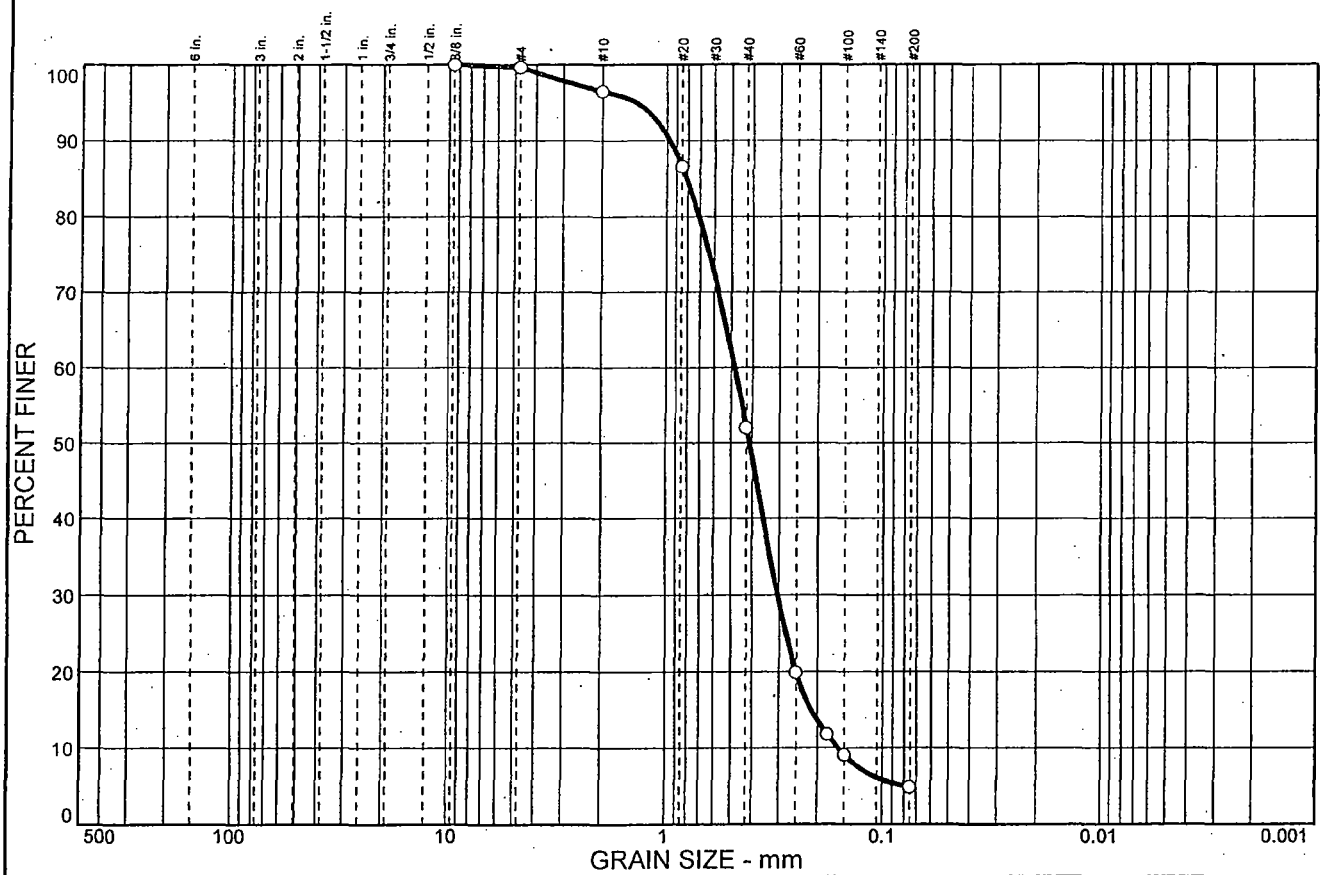
Sample No.: MW-48 Source of Sample: Date: 1/3/11
Location: Elev./Depth: 160' - 162'

Alpha-Omega Geotech, Inc.

Client: HydroGeologic, Inc.
Project: Garvey Elevator Site, #EP9046.02.62.01.00.00

Project No: 11-118T Figure 1 of 1

Grain Size Analysis ASTM D422



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.3	3.2	44.5	47.1	4.9	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375 in.	100.0		
#4	99.7		
#10	96.5		
#20	86.6		
#40	52.0		
#60	19.9		
#80	11.8		
#100	9.1		
#200	4.9		

* (no specification provided)

Material Description

Light brown poorly graded sand

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.808 D_{60}= 0.482 D_{50}= 0.412
D_{30}= 0.305 D_{15}= 0.213 D_{10}= 0.160
C_u= 3.01 C_c= 1.20

Classification

USCS= SP AASHTO=

Remarks

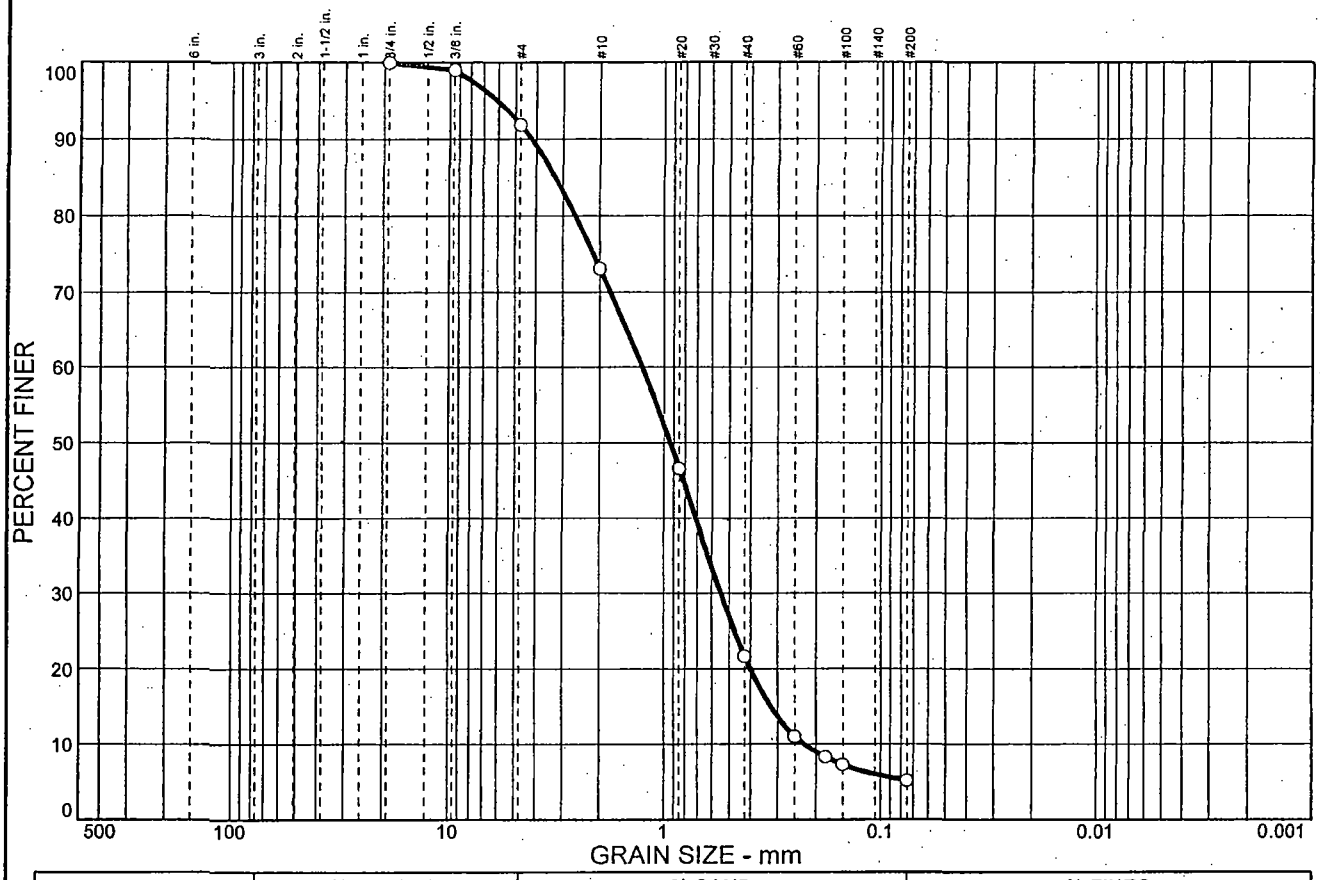
Sample No.: MW-49 Source of Sample: Date: 1/3/11
Location: Elev./Depth: 125' - 127.5'

Alpha-Omega Geotech, Inc.

Client: HydroGeologic, Inc.
Project: Garvey Elevator Site, #EP9046.02.62.01.00.00

Project No: 11-118T Figure 1 of 1

Grain Size Analysis ASTM D422



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	8.1	18.8	51.4	16.5	5.2	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.75 in.	100.0		
.375 in.	99.0		
#4	91.9		
#10	73.1		
#20	46.6		
#40	21.7		
#60	11.0		
#80	8.3		
#100	7.3		
#200	5.2		

* (no specification provided)

Material Description

Poorly graded sand with gravel

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 3.26 D_{60}= 1.27 D_{50}= 0.935
D_{30}= 0.546 D_{15}= 0.323 D_{10}= 0.227
C_u= 5.58 C_c= 1.04

Classification

USCS= SP-SM AASHTO=

Remarks

Sample No.: MW-50 **Source of Sample:** **Date:** 1/3/11
Location: **Elev./Depth:** 145.5' -

GEOTECH
Alpha-Omega Geotech, Inc.

Client: HydroGeologic, Inc.
Project: Garvey Elevator Site, #EP9046.02.62.01.00.00

Project No: 11-118T **Figure** 1 of 1

FALLING HEAD PERMEABILITY REPORT

(Method C: Rising Tail-Water)

ASTM D 5084

GEOTECH

PROJECT NAME:	Garvey Elevator Site, #EP#9046.02.62.01.00.00	PROJECT NO.:	11-118T
LOCATION:			
BORING NO.:	SAMPLE NO.: MW-48	DEPTH:	151' - 154'
SAMPLE TYPE:	Undisturbed	% COMPACTION:	----

	INITIAL DATA		FINAL DATA	
MOISTURE:	16.1 %	MOISTURE:	17.6 %	
DRY UNIT WEIGHT:	113.8 pcf	DRY UNIT WEIGHT:	114.5 pcf	
HEIGHT:	1.52 inches	HEIGHT:	1.50 inches	
DIAMETER:	2.79 inches	DIAMETER:	2.80 inches	
WEIGHT:	322.4 grams	WEIGHT:	326.5 grams	
SATURATION:	92.7 %	SATURATION:	100.0 %	

PERMEANT LIQUID:	Deaired tap water		
EFFECTIVE CONSOLIDATION STRESS:	Maximum 23.4 psi	Minimum	23.0 psi
BACK PRESSURE:	60 psi	RANGE OF HYDRAULIC GRADIENT:	5.7 to 5.5
SAMPLE DESCRIPTION:	Brown Sandy silt		

TEST DATA

DATE	TEST NO.	TIME (sec)	HEAD1 (cm)	HEAD 2 (cm)	TEMP °C
1/13 - 1/14	1	94,500	22.0	21.4	26
1/14 - 1/15	2	94,500	22.0	21.4	26
1/15 - 1/16	3	94,500	22.0	21.4	26
1/16 - 1/17	4	94,500	22.0	21.4	26
AVERAGE		94,500	22.0	21.4	26

k= 1.1E-08 cm/s n/n20= 0.8694

k20= 9.9E-09 cm/s

k = Hydraulic Conductivity before n/n20 correction factor

k20= Hydraulic Conductivity after correction to 20 ° Celsius

This is a laboratory testing result. Field values may vary.

GEOTECH

FALLING HEAD PERMEABILITY REPORT

(Method C: Rising Tail-Water)

ASTM D 5084

PROJECT NAME: Garvey Elevator Site, #EP9046.02.62.01.00.00 PROJECT NO.: 11-118T

LOCATION:

BORING NO.: SAMPLE NO.: MW-50 DEPTH: 128.5' - 130.5'

SAMPLE TYPE: Undisturbed % COMPACTION:

	INITIAL DATA		FINAL DATA	
MOISTURE:	17.2	%	14.9	%
DRY UNIT WEIGHT:	114.4	pcf	115.3	pcf
HEIGHT:	1.79	inches	1.75	inches
DIAMETER:	2.73	inches	2.75	inches
WEIGHT:	368.8	grams	361.5	grams
SATURATION:	99.8	%	100.0	%

PERMEANT LIQUID: Deaired tap water

EFFECTIVE CONSOLIDATION STRESS: Maximum 23.4 psi Minimum 23.0 psi

BACK PRESSURE: 60 psi RANGE OF HYDRAULIC GRADIENT: 4.8 to 4.7

SAMPLE DESCRIPTION: Light brown Silt

TEST DATA

DATE	TEST NO.	TIME (sec)	HEAD1 (cm)	HEAD 2 (cm)	TEMP °C
1/13 - 1/14	1	94,500	22.0	21.4	26
1/14 - 1/15	2	94,500	22.0	21.4	26
1/15 - 1/16	3	94,500	22.0	21.4	26
1/16 - 1/17	4	94,500	22.0	21.4	26
AVERAGE		94,500	22.0	21.4	26

k= 1.4E-08 cm/s n/n20= 0.8694

k20= 1.2E-08 cm/s

k = Hydraulic Conductivity before n/n20 correction factor

k20= Hydraulic Conductivity after correction to 20 ° Celsius

This is a laboratory testing result. Field values may vary.

Alpha-Omega Geotech, Inc.

1701 State Avenue
Kansas City, KS 66102
(913) 371-0000 FAX: (913) 371-6710

SPECIFIC GRAVITY OF SOLIDS
ASTM D854

Project Name: Garvey Elevator Site, #EP9046.02.62.01:00.00 Project No.: 11-118T

Sample Number: MW-48 Date: 1/24/2011

Soil Description: Poorly graded sand Depth: 160' - 162'

Tested by: T.B.

Specimen Number:	1			
Flask Number:	F			
Temp,water + soil, T, Celcius	20°			
Dish No.	PAN-100			
Dish + Dry Soil, g	407.09			
Dish, g	244.09			
Dry Soil, g (Ws)	163.00			
Flask + water at T, g (Wbw)	661.59			
Ws + Wbw, g	824.59			
Flask + water + immersed soil, g (Wbwe)	763.00			
Displaced water, Ws + Wbw - Wbwe	61.59			
Correction Factor, K	1.0000			
(WsK) / (Ws + Wbw - Wbwe) = Gs	2.65			

Remarks:

Alpha-Omega Geotech, Inc.

1701 State Avenue
Kansas City, KS 66102
(913) 371-0000 FAX: (913) 371-6710

SPECIFIC GRAVITY OF SOLIDS
ASTM D854

Project Name: **Garvey Elevator Site, #EP9046.02.62.01.00.00** Project No.: 11-118T

Sample Number: MW-49 Date: 1/24/2011

Soil Description: Light brown poorly graded sand Depth: 125'-127.5'

Tested by: T.B.

Specimen Number:	1			
Flask Number:	F			
Temp,water + soil, T, Celcius	20°			
Dish No.	pan - 156			
Dish + Dry Soil, g	438.82			
Dish, g	249.22			
Dry Soil, g (Ws)	189.60			
Flask + water at T, g (Wbw)	661.59			
Ws + Wbw, g	851.19			
Flask + water + immersed soil, g (Wbwe)	779.90			
Displaced water, Ws + Wbw - Wbwe	71.29			
Correction Factor, K	1.0000			
(WsK) / (Ws + Wbw - Wbwe) = Gs	2.66			

Remarks:

Alpha-Omega Geotech, Inc.

1701 State Avenue
Kansas City, KS 66102
(913) 371-0000 FAX: (913) 371-6710

SPECIFIC GRAVITY OF SOLIDS
ASTM D854

Project Name: Garvey Elevator Site, #EP9046.02.62.01.00.00 Project No.: 11-118T

Sample Number: MW-50 Date: 1/24/2011

Soil Description: Light brown silt Depth: 128.5'-130.5'

Tested by: T.B.

Specimen Number:	1			
Flask Number:	E			
Temp,water + soil, T, Celcius	20°			
Dish No.	pan-18			
Dish + Dry Soil, g	400.71			
Dish, g	252.87			
Dry Soil, g (Ws)	147.84			
Flask + water at T, g (Wbw)	664.57			
Ws + Wbw, g	812.41			
Flask + water + immersed soil, g (Wbwe)	757.18			
Displaced water, Ws + Wbw - Wbwe	55.23			
Correction Factor, K	1.0000			
(WsK) / (Ws + Wbw - Wbwe) = Gs	2.68			

Remarks:

Alpha-Omega Geotech, Inc.

1701 State Avenue
Kansas City, KS 66102
(913) 371-0000 FAX: (913) 371-6710

SPECIFIC GRAVITY OF SOLIDS
ASTM D854

Project Name: **Garvey Elevator Site, #EP9046.02.62.01.00.00** Project No.: **11-118T**

Sample Number: **MW-50** Date: **1/24/2011**

Soil Description: Poorly graded sand with gravel Depth: **145.5'-147.5'**

Tested by: T.B.

Specimen Number:	1			
Flask Number:	CB-1			
Temp,water + soil, T, Celcius	20°			
Dish No.	pan - 156			
Dish + Dry Soil, g	480.01			
Dish, g	249.21			
Dry Soil, g (Ws)	230.80			
Flask + water at T, g (Wbw)	682.34			
Ws + Wbw, g	913.14			
Flask + water + Immersed soil, g (Wbwe)	825.79			
Displaced water, Ws + Wbw - Wbwe	87.35			
Correction Factor, K	1.0000			
(WsK) / (Ws + Wbw - Wbwe) = Gs	2.64			

Remarks:

Alpha-Omega Geotech, Inc.

1701 State Avenue
Kansas City, KS 66102
(913) 371-0000 FAX: (913) 371-6710

SPECIFIC GRAVITY OF SOLIDS
ASTM D854

Project Name: **Garvey Elevator Site, #EP9046.02.62.01.00.00** Project No.: 11-118T

Sample Number: **MW-48** Date: 1/24/2011

Soil Description: Brown sandy silt Depth: 151'-154'

Tested by: T.B.

Specimen Number:	1			
Flask Number:	E			
Temp,water + soil, T, Celcius	20°			
Dish No.	pan-18			
Dish + Dry Soil, g	347.08			
Dish, g	252.68			
Dry Soil, g (Ws)	94.40			
Flask + water at T, g (Wbw)	664.56			
Ws + Wbw, g	758.96			
Flask + water + immersed soil, g (Wbwe)	723.67			
Displaced water, Ws + Wbw - Wbwe	35.29			
Correction Factor, K	1.0000			
(WsK) / (Ws + Wbw - Wbwe) = Gs	2.67			

Remarks:

Porosity Calculations

Sample Number	Dry Unit Weight (pcf)	Specific Gravity	Porosity
MW-48: 151-154	113.8	2.67	0.32
MW-48: 160-162	102.7	2.65	0.38
MW-49: 125-127.5	101.8	2.66	0.39
MW-50: 128.5-130.5	117.5	2.68	0.30
MW-50: 145.5-147.5	110.1	2.64	0.33

Notes:

Porosity = 1 - (Dry Unit Wt. of soil/(Unit Wt. of Water x Specific Gravity)

1) Dry Unit Weight and Specific Gravity Values obtained from the Alpha-Omega Labooratory sample results

2) pcf = pounds per square foot

3) Unit weight of water = 62.4 pcf at 4°Celsius

GEOTECHNOLOGY INC
FROM THE GROUND UP

February 10, 2011

Report No. A–10529
J018640.01

Mr. Alan Rittgers
HydroGeoLogic, Inc.
6340 Glenwood
Building 7, Ste. 200
Overland Park, KS 66202

Re: Garvey Elevator Road
EP9046.02.62.01

Dear Mr. Rittgers:

Submitted herewith the results of tests performed on three (3) samples of fine aggregate received in our laboratory on February 7, 2011. The samples were tested in general accordance with the methods listed below

Test To Determine	Method of Test
Sieve Analysis of Fine and Coarse Aggregates	ASTM C136
Maximum / Minimum Index Density and Unit Weight of Soils Using a Vibrating Table	ASTM D4253 / D4254

We trust this is the information you require. Please contact the undersigned if you have any questions regarding this report.

Respectfully submitted,

GEOTECHNOLOGY, INC.
Construction Materials Testing Group

Zachary R. Bullock, CET
CMT Laboratory Manager

ZRB/JAB:zrb

Copies Submitted: (1)

Attachment: Test Results

Sample Identification: MW-48: 162′-166′

SIEVE ANALYSIS OF FINE AGGREGATES – ASTM C136

Sieve Size	Total Passing %
1/2 in.	100.0
3/8 in.	99.8
No. 4	97.7
No. 8	93.7
No. 16	87.3
No. 30	72.5
No. 50	34.3
No.100	9.3
No. 200	3.8

MAX / MIN INDEX DENSITY AND UNIT WEIGHT OF SOILS USING A VIBRATORY TABLE – ASTM D 4253/ D4254

Maximum Density (Wet Method)

Wet Density	134.5 lb/ft³
Water Content	8.9%
Dry Density	123.5 lb/ft³

Maximum Density (Dry Method)

Dry Density	120.0 lb/ft³

Minimum Density (Dry Method)

Dry Density	102.7 lb/ft³

Sample Identification: MW-49: 119′-125′

SIEVE ANALYSIS OF FINE AGGREGATES – ASTM C136

Sieve Size	Total Passing %
1/2 in.	99.7
3/8 in.	99.5
No. 4	96.5
No. 8	91.0
No. 16	81.6
No. 30	63.8
No. 50	24.6
No.100	8.0
No. 200	5.4

MAX / MIN INDEX DENSITY AND UNIT WEIGHT OF SOILS USING A VIBRATORY TABLE – ASTM D 4253/ D4254

Maximum Density (Wet Method)

Wet Density	133.3 lb/ft³
Water Content	11.1%
Dry Density	120.0 lb/ft³

Maximum Density (Dry Method)

Dry Density	116.8 lb/ft³

Minimum Density (Dry Method)

Dry Density	98.9 lb/ft³

Sample Identification: MW-50: 141'-145.5'

SIEVE ANALYSIS OF FINE AGGREGATES – ASTM C136

Sieve Size	Total Passing %
1/2 in.	100.0
3/8 in.	99.3
No. 4	95.6
No. 8	87.9
No. 16	76.2
No. 30	58.6
No. 50	47.8
No.100	13.7
No. 200	9.3

MAX / MIN INDEX DENSITY AND UNIT WEIGHT OF SOILS USING A VIBRATORY TABLE – ASTM D 4253/ D4254

Maximum Density (Wet Method)

Wet Density	131.6 lb/ft³
Water Content	10.9%
Dry Density	118.7 lb/ft³

Maximum Density (Dry Method)

Dry Density	123.2 lb/ft³

Minimum Density (Dry Method)

Dry Density	102.5 lb/ft³

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APPENDIX H

QSPEC FUNCTIONAL DESIGN SPECIFICATION

TETRA TECH

Garvey Elevator
Hastings, NE

Monitoring Well System

Functional Design Specification

Revision 2

May 16, 2011

QSPEC Solutions, Inc.

6400 Glenwood Suite 309

Overland Park, KS 66202

Project Number 1296

REVISION HISTORY

Revision	Date	Description
A	February 28, 2011	First release for comments
0	March 23, 2011	Released for approval
1	April 6, 2011	Document updates
2	May 16, 2011	Document updates per commissioning

FUNCTIONAL DESIGN SPECIFICATION APPROVAL

TETRA TECH, INC.

HASTINGS, NE

FUNCTIONAL DESIGN SPECIFICATION REVIEW AND APPROVAL

Document Preparation:

	Name	Department	Signature	Date
Written by:	Michael Arp	Engineering admin		

Approvals:

Signing below indicates agreement that this Functional Design Specification accurately describes the requirements for the Monitoring Well System

	Name	Department	Signature	Date
Approved by:	Alan Rittgers	Project Manager, HydroGeoLogic		
Approved by:	Ted Faile	Project Manager, Tetra Tech, Inc		
Approved by:	Brian Zurbuchen	Environmental Protection Agency		

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1. General

1.1 Introduction

This Functional Design Specification document was produced by the Engineering Department of admin (hereafter referred to as "QSPEC"). It has been reviewed by the QSPEC Engineering Department and the QSPEC Quality Department and is approved for use.

Upon approval by both parties, this document becomes an element of a legal contract which is binding on QSPEC and Tetra Tech, Inc.

1.2 Scope

The Functional Design Specification describes the functional objectives for the Monitoring Well System's hardware, software, data-logging, and reporting methodology.

1.3 References

1.3.1 QSPEC Solutions proposal P1003901 dated March 16, 2010

1.3.2 Tetra Tech Purchase Order - 1059628

1.3.3 Project Change Order CO 1296-003

1.4 Glossary and Definitions

The following terms and abbreviations are defined for use within this document:

1.4.1 FDS – Functional Design Specification

1.4.2 FAT – Factory Acceptance Test

1.4.3 SAT – Site Acceptance Test

1.4.4 PLC – Programmable Logic Controller

1.4.5 SQL – Standard Query Language

1.4.6 HMI – Human Machine Interface

1.4.7 AI – Analog Input

1.4.8 Tags – place holder memory designation variables in a HMI, PLC, or Data Historian program

1.4.9 COTS – Commercial Off-The-Shelf software

1.4.10 TOC – Top of Casing

1.4.11 BTOC - Below Top of Casing

1.4.12 AMSL – Above Mean Sea Level

2. Responsibilities

2.1 QSPEC Solutions, Inc.

2.1.1 Software

QSPEC will be responsible for the configuration of the HMI, PLC, and Database/Reporting software for the Monitoring Well System.

2.1.2 Hardware

QSPEC will be responsible for the configuration of the necessary hardware compliant to Purchase Order 1059628, QSPEC Proposal P1003901, and CO 1296-003. This includes factory testing of the new control panels and Rosemount wireless gateway.

2.1.3 Documentation

QSPEC is responsible for the development of a Functional Design Specification, development and execution of a Factory Acceptance Test, and development and execution of a Site Acceptance Test.

2.1.4 Training

QSPEC will provide initial training on the Monitoring Well System after completion of the SAT.

2.1.5 Maintenance

Once the SAT is completed and approved and all project deliverables have been delivered, QSPEC can provide Tetra Tech system maintenance services on a time and material basis.

2.2 Tetra Tech, Inc.

2.2.1 Documentation

Tetra Tech is responsible for approval of all documentation related to the monitoring well system.

2.2.2 Training

Tetra Tech is responsible for providing personnel to be trained on the operation of the system.

2.2.3 Maintenance

Once the SAT is completed and approved and all project deliverables have been delivered, QSPEC can provide Tetra Tech system maintenance services on a time and material basis.

2.3 HydroGeoLogic, Inc

2.3.1 Hardware

HydroGeoLogic will be responsible for the purchase of the controls hardware for the Monitoring Well System. This includes all items in table 3.2.2 below.

2.3.2 Documentation

HydroGeoLogic is responsible for approval of all documentation related to the Monitoring Well System.

2.3.3 Training

HydroGeologic is responsible for providing personnel to be trained on the operation of the system.

2.4 Environmental Protection Agency (EPA)

2.4.1 Documentation

EPA is responsible for approval of this Function Design Specification document.

2.4.2 Training

EPA is responsible for providing personnel to be trained on the operation of the system.

3. Hardware Requirements

3.1 Background

The Monitoring Well System is a sub-project to the original PLC Upgrade project at Garvey Elevator. The scope of the change is to monitor level for 27 monitoring wells, add system test sequences for the existing recovery wells, and data-logging/reporting data for these tests sequences. The data from these reports will be imported into third-party aquifer modeling software.

Twelve (12) of the monitoring wells are existing wells and will utilize existing vibrating wire level transmitters. These vibrating wire signals will be converted to 4-20mA signals using a converter. Fifteen (15) new wells will be developed and will include 4-20mA level transmitters. One existing recovery well with a 4-20mA level transmitter will be retrofitted to the nearest signal transmission station. A wireless Hart system by Rosemount will be provided to send these level readings back to the PLC. New control panels with batteries and solar panels will be supplied at each cluster of monitoring wells. All levels in each cluster will wire to a wireless transmitter that will then relay this information to a wireless gateway mounted near the PLC control panel.

3.2 System Architecture

The following sections illustrate the new hardware configuration required for this system upgrade.

3.2.1 Hardware Configuration

For the purposes of this project, a wireless I/O system will be provided to send wireless 4-20mA signals from field located transmitters to a gateway mounted near the main control. The gateway will connect to the existing Ethernet switch and connects to the existing server using an OPC connection to get the information into the HMI and the PLC.

Nine (9) new control panels will be provided at the monitoring well locations. These panels will contain Rosemount 848T transmitters, solar panels, and batteries. Four of the panels will also contain Geokon 8020-59 converters. These converters will convert vibrating wire signals to 4-20mA analog signals. The batteries will provide power for the 848T transmitters, analog signals and the Geokon converters.

3.2.2 Hardware Requirements

HydroGeoLogic will provide the following hardware to meet the functional requirements of this project:

Hardware Requirements – Table 3.2.2		
Item	**Quantity**	**Description**
1	5	Control Panels with Rosemount 848T Wireless transmitter, solar panel and batteries
2	4	Control Panels with Rosemount 848T Wireless transmitter, Geokon 8020-59 converters, solar panel and batteries
3	1	Rosemount 1420 Wireless Gateway and antenna

3.2.3 Drawings Requirements

The following drawings will be provided with this system:

Hardware Requirements – Table 3.2.3		
Item	**Drawing Number**	**Drawing Description**
1	N/A	Control Panel Layout – 4-20mA Transmitters
2	N/A	Control Panel Layout – (4) Vibrating Wire Transmitters
3	N/A	Control Panel Layout – (2) Vibrating Wire Transmitters
4	1296-01	Vibrating Wire Transmitter Wiring
5	1296-02	4-20mA Analog Transmitter Wiring
6	1296-03	Monitoring Well Field Wiring
7	N/A	Proposed Onsite Monitoring Wells Overview

3.2.4 Analog Inputs

See Attachments Table 6.1

4. Software Requirements

4.1 General Software Requirements

QSPEC Solutions will provide the following software to meet the functional requirements of the project:

General Software – Table 4.1		
Item	**Quantity**	**Description**
1	1	Updated PLC Program
2	1	Updated RSView32 HMI Program
3	1	Updated OPC Systems data-logging configuration
4	1	New Reports in Microsoft Excel CSV format for Full System Test, Step Test, and Constant-Rate Test

The following COTS software packages will be used in this project:

Software Packages – Table 4.2		
Item	**Function**	**COTS Software**
1	Database	Microsoft SQL Server 2005 SP2
2	HMI	RSView32 Works 32K Tags, Version 7.50.00 (CPR 9 SR1)
3	PLC Programming	RSLogix 5000 Professional, version 17.01.00 (CPR9 SR1)
4	Reporting	Microsoft SQL Server 2005 SP2
5	Operating Systems	Windows Server 2003 R2 SP2

4.2 PLC Requirements

The existing PLC program will be modified to add logic that will handle the following tasks.

4.2.1 Monitoring Well Levels

The new monitoring well levels will be sent from 4-20mA wireless transmitters in the field to the wireless gateway. OPC software installed on the server will read the level data from the wireless gateway and then write that data to tags in the PLC using the existing RSLinx software. The base engineering unit for the transmitters is

PSIA/PSIG. Calculation routines in the PLC will convert PSIA measurements to FT. The calculation routines will use barometric pressure readings (from the barometer transmitter at the PLC) and temperature readings to adjust for environmental fluctuations.

See Attachments Tables 6.1 and 6.3

4.2.2 System Tests

New PLC code will be written to sequence through the new test routines as well as code for setup, starting, stopping, and skipping steps.

Full System Test

PLC code will be added to sequence through the full system test. During this test the recovery wells will be taken out of automatic mode and will be controlled via this test routine. This test will include 3 test periods. During each period the system will log data at logarithmic rates.

See Attachments Table 6.8

Step Drawdown Test

PLC code will be added to sequence through the step draw-down test. During this test the recovery wells will be taken out of automatic mode and will be controlled via this test routine. This test will include 8 test periods. During each period the system will log data at logarithmic rates. Each test period will run the pump at a different speed. These speeds will be setup at the HMI on the test setup screen. Periods can be cancelled, or the test halted at the HMI.

See Attachments Table 6.6

Constant-Rate Pumping Test

PLC code will be added to sequence through the constant-rate pumping test. During this test the recovery wells will be taken out of automatic mode and will be controlled via this test routine. This test will include 2 test periods. During the first period the pump will run at a constant speed setup at the HMI on the test setup screen. During the second period the pump is off. The test can be halted and reset, as necessary at the HMI.

See Attachments Table 6.7

4.3 Alarms

New alarms will be added to the PLC for the following:

4.3.1 Monitoring Well Level Transmitters

Over-range and Under-Range alarms will be added for each monitoring well level transmitter to signal if the analog input channel is not working properly.

4.3.2 Wireless Transmitter Communications

Each wireless transmitter will include alarms for communications failure.

4.3.3 Alarm Tables

See Attachments Table 6.2

4.4 Data-Logging Requirements

Data-logging requirements on this system will consist of the following types:

4.4.1 Normal Data-Logging

This is data that is logged during normal system operation to a Microsoft SQL Server table. The logging frequency is setup per Table 6.8. The data table is setup to keep data for 3 months. Any data older than 3 months is automatically purged from the data table.

See Attachments Table 6.9

4.4.2 Full System Test

This is data that is logged during a full system test sequence. The logging frequency is logarithmic. This data is logged by OPC Systems.Net software directly to a Microsoft Excel CSV file. This file is stored in a folder on the D drive on the server and is named by data and time.

See Attachments Table 6.8

4.4.3 Step Draw-down Test

This is data that is logged during a step draw-down test sequence. The logging frequency is logarithmic. This data is logged by OPC Systems.Net software directly to a Microsoft Excel CSV file. These files are stored in a folder on the D drive on the server and are named by data and time.

See Attachments Table 6.6

4.4.4 Constant-Rate Pumping Test

This is data that is logged during a constant-rate pumping test sequence. The logging frequency is logarithmic. This data is logged by OPC Systems.Net software directly to a Microsoft Excel CSV file. These files are stored in a folder on the D drive on the server and are named by data and time.

See Attachments Table 6.7

4.5 Reporting Requirements

The report functionality for the system will be fulfilled by OPC Systems.Net software.

Explanation of select terms in the reports discussed below are as follows:

- Water level is the level of water above the transducer in the recovery wells as measured during normal system operation
- Water level displacement is the difference between water level at T=0 (initial water level) in a recovery or monitoring well and the water level measured in that same well during each measurement interval of a test.
- Depth to water is the depth below the top of well casing reference point to the water in a given well.
- Water level elevation is the top of casing reference point elevation minus the depth to water.

See Attachments Table 6.4

4.5.1 System Summary Reports

The summary report format will contain a Page Header, Summary Section, and a Report Footer. These reports will run automatically at the end of each week and month and saved in a folder on the D Drive. The report output is a PDF file.

This data table can also be queried using the Report Viewer application on the server. To do this start Report Viewer and pick which report you want to run from the drop down box at the top and choose the dates you want to query and click the view button.

See Attachments Table 6.9

The Page Header will include the following elements:

1. Title – Garvey Well Data Weekly/Monthly Summary
2. Beginning Date - Date of the earliest data included in the report
3. Ending Date – Date of the most recent data included in the report
4. Est. Total (GAL) – Estimate of the number of gallons of water pumped

The Summary Section will include the following elements:

5. Well ID - Description of the well
6. Oper. % - Calculated percentage that the well was running during this period
7. Min. Flow (GPM) – The minimum flow rate for the well logged during this period
8. Max. Flow (GPM) - The maximum flow rate for the well logged during this period
9. Avg. Flow (GPM) - The average flow rate for the well logged during this period
10. Min. Water Level (FT) - The minimum level for the well logged during this period
11. Max. Water Level (FT) - The maximum level for the well logged during this period
12. Avg. Water Level (FT) - The average level for the well logged during this period
13. Current Water Level (FT)
14. Min Water Level Elevation (FT AMSL)
15. Max Water Level Elevation (FT AMSL)
16. Avg Water Level Elevation (FT AMSL)
17. Current Water Level Elevation (FT AMSL)
18. Min. Total Flow (GPM) - The minimum total system flow rate logged during this period

19. Max. Total Flow (GPM) - The maximum total system flow rate logged during this period
20. Avg. Total Flow (GPM) - The average total system flow rate logged during this period
21. Min. Injection Well Level (FT) - The minimum level for the injection well logged during this period
22. Max. Injection Well Level (FT) - The maximum level for the injection well logged during this period
23. Avg. Injection Well Level (FT) - The average level for the injection well logged during this period

The Page Footer will include the following elements:

24. Current Page Number
25. Total Pages in Report

4.5.2 Full System Test Report

This report will be in Microsoft Excel CSV format. During this test OPC Systems.Net software will log data directly to a CSV file. When the test is complete this file is saved in a folder on the D Drive on the server. The data in this file will be imported into a third party program.

See Attachments Table 6.8

The CSV file will include the following columns:

1. Elapsed Time (MIN)
2. Barometric Pressure (In HG)
3. RW1 Water Level Displacement (FT)
4. RW1 Water Level Elevation (FT AMSL)
5. RW1 Flow Rate (GPM)
6. RW2 Water Level Displacement (FT)
7. RW2 Water Level Elevation (FT AMSL)
8. RW2 Flow Rate (GPM)
9. RW3 Water Level Displacement (FT)
10. RW3 Water Level Elevation (FT AMSL)

11. RW3 Flow Rate (GPM)
12. RW4 Water Level Displacement (FT)
13. RW4 Water Level Elevation (FT AMSL)
14. RW4 Flow Rate (GPM)
15. RW5 Water Level Displacement (FT)
16. RW5 Water Level Elevation (FT AMSL)
17. RW5 Flow Rate (GPM)
18. RW6 Water Level Displacement (FT)
19. RW6 Water Level Elevation (FT AMSL)
20. RW6 Flow Rate (GPM)
21. RW7 Water Level Displacement (FT)
22. RW7 Water Level Elevation (FT AMSL)
23. RW7 Flow Rate (GPM)
24. RW8 Water Level Displacement (FT)
25. RW8 Water Level Elevation (FT AMSL)
26. RW8 Flow Rate (GPM)
27. MW19A Water Level Displacement (FT)
28. MW19A Water Level Elevation (FT AMSL)
29. MW19C Water Level Displacement (FT)
30. MW19C Water Level Elevation (FT AMSL)
31. MW20A Water Level Displacement (FT)
32. MW20A Water Level Elevation (FT AMSL)
33. MW20C Water Level Displacement (FT)
34. MW20C Water Level Elevation (FT AMSL)
35. MW20D Water Level Displacement (FT)
36. MW20D Water Level Elevation (FT AMSL)
37. MW20E Water Level Displacement (FT)
38. MW20E Water Level Elevation (FT AMSL)

39. MW30A Water Level Displacement (FT)
40. MW30A Water Level Elevation (FT AMSL)
41. MW30C Water Level Displacement (FT)
42. MW30C Water Level Elevation (FT AMSL)
43. MW30D Water Level Displacement (FT)
44. MW30D Water Level Elevation (FT AMSL)
45. MW30E Water Level Displacement (FT)
46. MW30E Water Level Elevation (FT AMSL)
47. MW31A Water Level Displacement (FT)
48. MW31A Water Level Elevation (FT AMSL)
49. MW31C Water Level Displacement (FT)
50. MW31C Water Level Elevation (FT AMSL)
51. MW47B Water Level Displacement (FT)
52. MW47B Water Level Elevation (FT AMSL)
53. MW47C Water Level Displacement (FT)
54. MW47C Water Level Elevation (FT AMSL)
55. MW47D Water Level Displacement (FT)
56. MW47D Water Level Elevation (FT AMSL)
57. MW48B Water Level Displacement (FT)
58. MW48B Water Level Elevation (FT AMSL)
59. MW48C Water Level Displacement (FT)
60. MW48C Water Level Elevation (FT AMSL)
61. MW48D Water Level Displacement (FT)
62. MW48D Water Level Elevation (FT AMSL)
63. MW49B Water Level Displacement (FT)
64. MW49B Water Level Elevation (FT AMSL)
65. MW49C Water Level Displacement (FT)
66. MW49C Water Level Elevation (FT AMSL)

67. MW49D Water Level Displacement (FT)
68. MW49D Water Level Elevation (FT AMSL)
69. MW50B Water Level Displacement (FT)
70. MW50B Water Level Elevation (FT AMSL)
71. MW50C Water Level Displacement (FT)
72. MW50C Water Level Elevation (FT AMSL)
73. MW50D Water Level Displacement (FT)
74. MW50D Water Level Elevation (FT AMSL)
75. MW51B Water Level Displacement (FT)
76. MW51B Water Level Elevation (FT AMSL)
77. MW51C Water Level Displacement (FT)
78. MW51C Water Level Elevation (FT AMSL)
79. MW51D Water Level Displacement (FT)
80. MW51D Water Level Elevation (FT AMSL)

Note: Water level displacement is the difference between water level at T=0 and the water level measured at each measurement interval.

4.5.3 Step Draw-down Test Report

This report will be in Microsoft Excel CSV format. During this test OPC Systems.Net software will log data directly to a CSV file. When the test is complete this file is saved in a folder on the D Drive on the server. The data in this file will be imported into a third party program.

This report will contain the data for one recovery well that was picked during the test setup along with all monitoring wells that are associated with it. If more than one recovery well is chosen during setup, a separate file will be generated for each one.

See Attachments Tables 6.5.1, 6.5.2, and 6.6.

The CSV file will include the following columns:

1. Elapsed Time (MIN)
2. Barometric Pressure (In HG)

3. Pump Speed (Hz)
4. Test Period
5. RWx Water Level Displacement (FT)
6. RWx Depth To Water (FT BTOC)
7. RWx Water Level Elevation (FT AMSL)
8. RWx Flow Rate (GPM)
9. MWx Water Level Displacement (FT)
10. MWx Depth To Water (FT BTOC)
11. MWx Water Level Elevation (FT AMSL)

Note: Water level displacement is the difference between water level at T=0 and the water level measured at each measurement interval.

4.5.4 Constant-Rate Pumping Test Report

This report will be in Microsoft Excel CSV format. During this test OPC Systems.Net software will log data directly to a CSV file. When the test is complete this file is saved in a folder on the D Drive on the server. The data in this file will be imported into a third party program.

This report will contain the data for one recovery well that was picked during the test setup along with all monitoring wells that are associated with it. If more than one recovery well is chosen during setup, a separate file will be generated for each one.

See Attachments Tables 6.5.3, 6.5.4, and 6.7.

The CSV file will include the following columns:

1. Elapsed Time (MIN)
2. Barometric Pressure (In HG)
3. Pump Speed (HZ)
4. Test Period
5. RWx Water Level Displacement (FT)
6. RWx Depth To Water (FT BTOC)
7. RWx Water Level Elevation (FT AMSL)

8. RWx Flow Rate (GPM)
9. MWx Water Level Displacement (FT)
10. MWx Depth To Water (FT BTOC)
11. MWx Water Level Elevation (FT AMSL)

Note: Water level displacement is the difference between water level at T=0 and the water level measured at each measurement interval.

5. HMI Graphics Requirements

5.1 Alarms

New alarms will be added to the RSView32 HMI application for the following:

5.1.1 Monitoring Well Level Transmitters

Over-range and Under-Range alarms will be added for each monitoring well level transmitter to signal if the analog input channel is not working properly.

5.1.2 Wireless Transmitter Communications

Each wireless transmitter will include alarms for communications failure.

5.2 Security Definition

There is currently no security setup in the RSView32 HMI application.

5.3 HMI Interface General Specifications

5.3.1 Monitoring Well Overview

This new screen will display real-time level for all monitoring wells. It will include the following controls:

1. Water Column (FT) Display
2. Depth To Water (FT) Display
3. Water Level Elevation (FT) Display

5.3.2 Full System Test Control/Status

This new screen will allow for the control and status of the full system test. It will include the following controls:

1. Start Test Button
2. Abort Test Button
3. Test Status Display
4. Elapsed Time (MIN) Display

5.3.3 Step Draw-Down Test Control/Status

This new screen will allow for the control and status of the step draw-down test. It will include the following controls:

1. Start Test Button
2. Abort Test Button
3. Test Status Display
4. Elapsed Time (MIN) Display
5. Recovery Well Select Button (Each Recovery Well)
6. Enable/Disable Step Button (Each Step)
7. Pump Speed Setpoint (HZ) Input (Each Step)
8. Skip To Next Step Button

5.3.4 Constant-Rate Pumping Test Control/Status

This new screen will allow for the control and status of the constant-rate pumping test. It will include the following controls:

1. Start Test Button
2. Abort Test Button
3. Test Status Display
4. Elapsed Time (MIN) Display
5. Recovery Well Select Button (Each Recovery Well)
6. Pump Speed Setpoint (HZ) Input

6. Attachments

6.1 Analog Inputs

Table 6.1 – Analog Inputs

Item	DEVICE ID	DESCRIPTION	PLC TAGNAME	INPUT SIGNAL	4mA	20mA	ENG. UNIT
1	LT-19A	Monitoring Well 19A Level Transmitter	LT19A.Raw	4 to 20 mA	8844	5603	Dg
2	LT-19C	Monitoring Well 19C Level Transmitter	LT19C.Raw	4 to 20 mA	8807	5682	Dg
3	LT-20A	Monitoring Well 20A Level Transmitter	LT20A.Raw	4 to 20 mA	8390	5098	Dg
4	LT-20C	Monitoring Well 20C Level Transmitter	LT20C.Raw	4 to 20 mA	8680	5547	Dg
5	LT-20D	Monitoring Well 20D Level Transmitter	LT20D.Raw	4 to 20 mA	8833	5436	Dg
6	LT-20E	Monitoring Well 20E Level Transmitter	LT20E.Raw	4 to 20 mA	8968	5237	Dg
7	LT-30A	Monitoring Well 30A Level Transmitter	LT30A.Raw	4 to 20 mA	8752	5680	Dg
8	LT-30C	Monitoring Well 30C Level Transmitter	LT30C.Raw	4 to 20 mA	8735	5284	Dg
9	LT-30D	Monitoring Well 30D Level Transmitter	LT30D.Raw	4 to 20 mA	8755	5211	Dg
10	LT-30E	Monitoring Well 30E Level Transmitter	LT30E.Raw	4 to 20 mA	8941	5282	Dg

Table 6.1 – Analog Inputs

Item	DEVICE ID	DESCRIPTION	PLC TAGNAME	INPUT SIGNAL	4mA	20mA	ENG. UNIT
11	LT-31A	Monitoring Well 31A Level Transmitter	LT31A.Raw	4 to 20 mA	8741	5516	Dg
12	LT-31C	Monitoring Well 31C Level Transmitter	LT31C.Raw	4 to 20 mA	8664	5399	Dg
13	LT-47B	Monitoring Well 47B Level Transmitter	LT47B.Raw	4 to 20 mA	0	30	PSIA
14	LT-47C	Monitoring Well 47C Level Transmitter	LT47C.Raw	4 to 20 mA	0	30	PSIA
15	LT-47D	Monitoring Well 47D Level Transmitter	LT47D.Raw	4 to 20 mA	0	30	PSIA
16	LT-1	Recovery Well 1 Level Transmitter	Well1Level. Raw	4 to 20 mA	0	30	PSIG
17	LT-48B	Monitoring Well 48B Level Transmitter	LT48B.Raw	4 to 20 mA	0	30	PSIA
18	LT-48C	Monitoring Well 48C Level Transmitter	LT48C.Raw	4 to 20 mA	0	30	PSIA
19	LT-48D	Monitoring Well 48D Level Transmitter	LT48D.Raw	4 to 20 mA	0	30	PSIA
20	TT-48D	Monitoring Well 48D Temp. Transmitter	TT48D.Raw	4 to 20 mA	0	50	C
21	LT-49B	Monitoring Well 49B Level Transmitter	LT49B.Raw	4 to 20 mA	0	30	PSIA

Table 6.1 – Analog Inputs

Item	DEVICE ID	DESCRIPTION	PLC TAGNAME	INPUT SIGNAL	4mA	20mA	ENG. UNIT
22	LT-49C	Monitoring Well 49C Level Transmitter	LT49C.Raw	4 to 20 mA	0	30	PSIA
23	LT-49D	Monitoring Well 49D Level Transmitter	LT49D.Raw	4 to 20 mA	0	30	PSIA
24	LT-50B	Monitoring Well 50B Level Transmitter	LT50B.Raw	4 to 20 mA	0	30	PSIA
25	LT-50C	Monitoring Well 50C Level Transmitter	LT50C.Raw	4 to 20 mA	0	30	PSIA
26	LT-50D	Monitoring Well 50D Level Transmitter	LT50D.Raw	4 to 20 mA	0	30	PSIA
27	LT-51B	Monitoring Well 51B Level Transmitter	LT51B.Raw	4 to 20 mA	0	30	PSIA
28	TT-51B	Monitoring Well 51B Temp. Transmitter	TT51B.Raw	4 to 20 mA	0	50	C
29	LT-51C	Monitoring Well 51C Level Transmitter	LT51C.Raw	4 to 20 mA	0	30	PSIA
30	LT-51D	Monitoring Well 51D Level Transmitter	LT51D.Raw	4 to 20 mA	0	30	PSIA

6.2 Analog Input Alarms

Table 6.2 – Analog Input Alarms

Item	DEVICE ID	ALARM DESCRIPTION	ALARM CONDITION	DELAY (Sec)
1	LT-19A	Monitoring Well 19A Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
2	LT-19A	Monitoring Well 19A Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
3	LT-19C	Monitoring Well 19C Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
4	LT-19C	Monitoring Well 19C Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
5	LT-20A	Monitoring Well 20A Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
6	LT-20A	Monitoring Well 20A Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
7	LT-20C	Monitoring Well 20C Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
8	LT-20C	Monitoring Well 20C Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5

Table 6.2 – Analog Input Alarms

Item	DEVICE ID	ALARM DESCRIPTION	ALARM CONDITION	DELAY (Sec)
9	LT-20D	Monitoring Well 20D Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
10	LT-20D	Monitoring Well 20D Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
11	LT-20E	Monitoring Well 20E Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
12	LT-20E	Monitoring Well 20E Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
13	LT-30A	Monitoring Well 30A Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
14	LT-30A	Monitoring Well 30A Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
15	LT-30C	Monitoring Well 30C Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
16	LT-30C	Monitoring Well 30C Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
17	LT-30D	Monitoring Well 30D Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5

Table 6.2 – Analog Input Alarms

Item	DEVICE ID	ALARM DESCRIPTION	ALARM CONDITION	DELAY (Sec)
18	LT-30D	Monitoring Well 30D Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
19	LT-30E	Monitoring Well 30E Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
20	LT-30E	Monitoring Well 30E Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
21	LT-31A	Monitoring Well 31A Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
22	LT-31A	Monitoring Well 31A Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
23	LT-31C	Monitoring Well 31C Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
24	LT-31C	Monitoring Well 31C Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
25	LT-47B	Monitoring Well 47B Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
26	LT-47B	Monitoring Well 47B Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5

Table 6.2 – Analog Input Alarms

Item	DEVICE ID	ALARM DESCRIPTION	ALARM CONDITION	DELAY (Sec)
27	LT-47C	Monitoring Well 47C Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
28	LT-47C	Monitoring Well 47C Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
29	LT-47D	Monitoring Well 47D Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
30	LT-47D	Monitoring Well 47D Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
31	LT-1	Recovery Well 1 Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
32	LT-1	Recovery Well 1 Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
33	LT-48B	Monitoring Well 48B Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
34	LT-48B	Monitoring Well 48B Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
35	LT-48C	Monitoring Well 48C Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5

Table 6.2 – Analog Input Alarms

Item	DEVICE ID	ALARM DESCRIPTION	ALARM CONDITION	DELAY (Sec)
36	LT-48C	Monitoring Well 48C Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
37	LT-48D	Monitoring Well 48D Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
38	LT-48D	Monitoring Well 48D Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
39	TT-48D	Monitoring Well 48D Temp. Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
40	TT-48D	Monitoring Well 48D Temp. Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
41	LT-49B	Monitoring Well 49B Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
42	LT-49B	Monitoring Well 49B Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
43	LT-49C	Monitoring Well 49C Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
44	LT-49C	Monitoring Well 49C Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5

Table 6.2 – Analog Input Alarms

Item	DEVICE ID	ALARM DESCRIPTION	ALARM CONDITION	DELAY (Sec)
45	LT-49D	Monitoring Well 49D Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
46	LT-49D	Monitoring Well 49D Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
47	LT-50B	Monitoring Well 50B Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
48	LT-50B	Monitoring Well 50B Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
49	LT-50C	Monitoring Well 50C Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
50	LT-50C	Monitoring Well 50C Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
51	LT-50D	Monitoring Well 50D Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
52	LT-50D	Monitoring Well 50D Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
53	LT-51B	Monitoring Well 51B Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5

Table 6.2 – Analog Input Alarms

Item	DEVICE ID	ALARM DESCRIPTION	ALARM CONDITION	DELAY (Sec)
54	LT-51B	Monitoring Well 51B Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
55	TT-51B	Monitoring Well 51B Temp. Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
56	TT-51B	Monitoring Well 51B Temp. Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
57	LT-51C	Monitoring Well 51C Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
58	LT-51C	Monitoring Well 51C Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
59	LT-51D	Monitoring Well 51D Level Transmitter Under-Range Alarm	The input module is reading under the allowable analog range	5
60	LT-51D	Monitoring Well 51D Level Transmitter Over-Range Alarm	The input module is reading over the allowable analog range	5
61	P-19	Panel P-19 Wireless Transmitter Communication Alarm	The wireless transmitter loss of communication	10
62	P-20	Panel P-20 Wireless Transmitter Communication Alarm	The wireless transmitter loss of communication	10

Table 6.2 – Analog Input Alarms

Item	DEVICE ID	ALARM DESCRIPTION	ALARM CONDITION	DELAY (Sec)
63	P-30	Panel P-30 Wireless Transmitter Communication Alarm	The wireless transmitter loss of communication	10
64	P-31	Panel P-31 Wireless Transmitter Communication Alarm	The wireless transmitter loss of communication	10
65	P-47	Panel P-47 Wireless Transmitter Communication Alarm	The wireless transmitter loss of communication	10
66	P-48	Panel P-48 Wireless Transmitter Communication Alarm	The wireless transmitter loss of communication	10
67	P-49	Panel P-49 Wireless Transmitter Communication Alarm	The wireless transmitter loss of communication	10
68	P-50	Panel P-50 Wireless Transmitter Communication Alarm	The wireless transmitter loss of communication	10
69	P-51	Panel P-51 Wireless Transmitter Communication Alarm	The wireless transmitter loss of communication	10

6.3 Temperature Correction Assignments

Table 6.3 – Temperature Correction Assignments

Item	DEVICE ID	DESCRIPTION	TEMP. TRANS.
1	LT-19A	Monitoring Well 19A Level Transmitter	TT-51B
2	LT-19C	Monitoring Well 19C Level Transmitter	TT-48D
3	LT-20A	Monitoring Well 20A Level Transmitter	TT-51B
4	LT-20C	Monitoring Well 20C Level Transmitter	TT-48D
5	LT-20D	Monitoring Well 20D Level Transmitter	TT-48D
6	LT-20E	Monitoring Well 20E Level Transmitter	TT-48D
7	LT-30A	Monitoring Well 30A Level Transmitter	TT-51B
8	LT-30C	Monitoring Well 30C Level Transmitter	TT-48D
9	LT-30D	Monitoring Well 30D Level Transmitter	TT-48D
10	LT-30E	Monitoring Well 30E Level Transmitter	TT-48D
11	LT-31A	Monitoring Well 31A Level Transmitter	TT-51B
12	LT-31C	Monitoring Well 31C Level Transmitter	TT-48D

6.4 Monitoring Well Installation Information

Table 6.4 – Monitoring Well Installation Information

Item	DEVICE ID	DESCRIPTION	TOC ELEVATION (FT)	TRANSDUCER DEPTH (FT BELOW TOC)
1	LT-19A	Monitoring Well 19A Level Transmitter	1929.19	132.59
2	LT-19C	Monitoring Well 19C Level Transmitter	1929.19	159.59
3	LT-20A	Monitoring Well 20A Level Transmitter	1929.21	130.83
4	LT-20C	Monitoring Well 20C Level Transmitter	1929.21	158.70
5	LT-20D	Monitoring Well 20D Level Transmitter	1929.21	188.68
6	LT-20E	Monitoring Well 20E Level Transmitter	1929.21	226.67
7	LT-30A	Monitoring Well 30A Level Transmitter	1930.28	133.28
8	LT-30C	Monitoring Well 30C Level Transmitter	1930.28	160.30
9	LT-30D	Monitoring Well 30D Level Transmitter	1930.28	190.63
10	LT-30E	Monitoring Well 30E Level Transmitter	1930.28	228.45
11	LT-31A	Monitoring Well 31A Level Transmitter	1931.63	131.79
12	LT-31C	Monitoring Well 31C Level Transmitter	1931.63	158.77

Table 6.4 – Monitoring Well Installation Information

Item	DEVICE ID	DESCRIPTION	TOC ELEVATION (FT)	TRANSDUCER DEPTH (FT BELOW TOC)
13	LT-47B	Monitoring Well 47B Level Transmitter	1932.09	126.34
14	LT-47C	Monitoring Well 47C Level Transmitter	1932.09	135.37
15	LT-47D	Monitoring Well 47D Level Transmitter	1932.10	135.38
16	LT-48B	Monitoring Well 48B Level Transmitter	1931.05	124.93
17	LT-48C	Monitoring Well 48C Level Transmitter	1931.03	135.42
18	LT-48D	Monitoring Well 48D Level Transmitter	1931.05	135.47
19	LT-49B	Monitoring Well 49B Level Transmitter	1931.46	125.46
20	LT-49C	Monitoring Well 49C Level Transmitter	1931.47	135.51
21	LT-49D	Monitoring Well 49D Level Transmitter	1931.46	135.48
22	LT-50B	Monitoring Well 50B Level Transmitter	1931.51	126.46
23	LT-50C	Monitoring Well 50C Level Transmitter	1931.54	135.36
24	LT-50D	Monitoring Well 50D Level Transmitter	1931.46	135.44
25	LT-51B	Monitoring Well 51B Level Transmitter	1931.60	124.96

Table 6.4 – Monitoring Well Installation Information

Item	DEVICE ID	DESCRIPTION	TOC ELEVATION (FT)	TRANSDUCER DEPTH (FT BELOW TOC)
26	LT-51C	Monitoring Well 51C Level Transmitter	1931.62	135.37
27	LT-51D	Monitoring Well 51D Level Transmitter	1931.62	135.40

6.5 System Test Monitoring Well Assignments

Table 6.5.1 – Step Test MW Assignments (RW-2)		
Item	DEVICE ID	DESCRIPTION
1	MW-49B	Monitoring Well 49B
2	MW-49C	Monitoring Well 49C
3	MW-49D	Monitoring Well 49D

Table 6.5.2 – Step Test MW Assignments (RW-7)		
Item	DEVICE ID	DESCRIPTION
1	MW-50B	Monitoring Well 50B
2	MW-50C	Monitoring Well 50C
3	MW-50D	Monitoring Well 50D

Table 6.5.3 – Constant-Rate Test MW Assignments (RW-2)		
Item	DEVICE ID	DESCRIPTION
1	MW-20A	Monitoring Well 20A
2	MW-20C	Monitoring Well 20C
3	MW-30A	Monitoring Well 30A
4	MW-30C	Monitoring Well 30C
5	MW-47B	Monitoring Well 47B
6	MW-47C	Monitoring Well 47C
7	MW-49B	Monitoring Well 49B

Table 6.5.3 – Constant-Rate Test MW Assignments (RW-2)

Item	DEVICE ID	DESCRIPTION
8	MW-49C	Monitoring Well 49C
9	MW-49D	Monitoring Well 49D
10	MW-50B	Monitoring Well 50B
11	MW-50C	Monitoring Well 50C
12	MW-50D	Monitoring Well 50D

Table 6.5.4 – Constant-Rate Test MW Assignments (RW-7)

Item	DEVICE ID	DESCRIPTION
1	MW-20A	Monitoring Well 20A
2	MW-20C	Monitoring Well 20C
3	MW-20D	Monitoring Well 20D
4	MW-20E	Monitoring Well 20E
5	MW-30A	Monitoring Well 30A
6	MW-30C	Monitoring Well 30C
7	MW-30D	Monitoring Well 30D
8	MW-30E	Monitoring Well 30E
9	MW-49B	Monitoring Well 49B
10	MW-49C	Monitoring Well 49C
11	MW-49D	Monitoring Well 49D
12	MW-50B	Monitoring Well 50B

Table 6.5.4 – Constant-Rate Test MW Assignments (RW-7)		
Item	**DEVICE ID**	**DESCRIPTION**
13	MW-50C	Monitoring Well 50C
14	MW-50D	Monitoring Well 50D
15	MW-51B	Monitoring Well 51B
16	MW-51C	Monitoring Well 51C
17	MW-51D	Monitoring Well 51D

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6.6 Step Draw-down Test

Table 6.6 – STEP DRAW-DOWN TEST SETUP

Well Category	Test Period**	Period Type***	Period Duration	Measurement Type	Measurement Frequency			Measurements Recorded			
					0-5 min	5-10 min	10 min-1hr	Elapsed Time (min)	Water level (ft)	Pumping Rate**** (gpm)	Barometric Pressure (in Hg)
Recovery Wells (8 wells)	1	Pre-test	120 hr	equal interval	600 sec			Y	Y	N	Y
	2	Pumping	1 hr	logarithmic	5 sec	10 sec	100 sec	Y	Y	Y	Y
	3	Pumping	1 hr	logarithmic	5 sec	10 sec	100 sec	Y	Y	Y	Y
	4	Pumping	1 hr	logarithmic	5 sec	10 sec	100 sec	Y	Y	Y	Y
	5	Pumping	1 hr	logarithmic	5 sec	10 sec	100 sec	Y	Y	Y	Y
	6	Pumping	1 hr	logarithmic	5 sec	10 sec	100 sec	Y	Y	Y	Y
	7	Pumping	1 hr	logarithmic	5 sec	10 sec	100 sec	Y	Y	Y	Y
	8	Recovery	1 hr	logarithmic	5 sec	10 sec	100 sec	Y	Y	N	Y
Monitoring Wells (27 wells)	1	Pre-test	120 hr	equal interval	600 sec			Y	Y	NA	NA
	2	Pumping	1 hr	logarithmic	5 sec	10 sec	100 sec	Y	Y	NA	NA
	3	Pumping	1 hr	logarithmic	5 sec	10 sec	100 sec	Y	Y	NA	NA
	4	Pumping	1 hr	logarithmic	5 sec	10 sec	100 sec	Y	Y	NA	NA
	5	Pumping	1 hr	logarithmic	5 sec	10 sec	100 sec	Y	Y	NA	NA
	6	Pumping	1 hr	logarithmic	5 sec	10 sec	100 sec	Y	Y	NA	NA
	7	Pumping	1 hr	logarithmic	5 sec	10 sec	100 sec	Y	Y	NA	NA
	8	Recovery	1 hr	logarithmic	5 sec	10 sec	100 sec	Y	Y	NA	NA
SETUP NOTES											

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Table 6.6 – STEP DRAW-DOWN TEST SETUP

Well Category	Test Period**	Period Type***	Period Duration	Measurement Type	Measurement Frequency			Measurements Recorded			
					0-5 min	5-10 min	10 min-1hr	Elapsed Time (min)	Water level (ft)	Pumping Rate**** (gpm)	Barometric Pressure (in Hg)
Period 1 water level monitoring is to establish natural groundwater level trends prior to conducting the pumping tests											
The measurement frequency restarts at the beginning of each period											
A total of 9 flow rate (8 extraction wells + irrigation) channels, 1 pressure, and 35 level data channels (27 MWs and 8 RWs) would be required											
The report must be provided in a format that can be converted to .txt file or .csv files for input into the aquifer test analysis program AQTESOLV											
* Initial Water Level should be recorded at time = 0 of Test Period 1; reference point is TOC?											
** Need to have the ability to control period duration manually (stop test early).											
*** Need to be able to control the pumping rate manually (set flow rate).											
**** Instantaneous Volumetric Flow Rate for the active extraction well											

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6.7 Constant-rate Pumping Test

Table 6.7 – CONSTANT-RATE TEST SETUP

Well Category	Test Period	Period Type	Period Duration	Measurement Type	Measurement Frequency					Measurements Recorded			
					0-5 min	5- 15 min	15 min - 1 hr	1 - 5 hr	5 - 24 hr	Elapsed Time (min)	Water level (ft)	Pumping Rate ** (gpm)	Baro-metric Pressure (in Hg)
Recovery Wells (8 wells)	1	Pumping	24 hr	logarithmic	5 sec	60 sec	300 sec	30 min	60 min	Y	Y	Y	Y
	2	Recovery	24 hr	logarithmic	5 sec	60 sec	300 sec	30 min	60 min	Y	Y	N	Y
Monitoring Wells (27 wells)	1	Pumping	24 hr	logarithmic	5 sec	60 sec	300 sec	30 min	60 min	Y	Y	NA	NA
	2	Recovery	24 hr	logarithmic	5 sec	60 sec	300 sec	30 min	60 min	Y	Y	NA	NA

SETUP NOTES

The measurement frequency restarts at the beginning of each period

A total of 9 flow rate (8 extraction wells + irrigation) channels, 1 pressure, and 35 level data channels (27 MWs and 8 RWs) would be required

The report must be provided in a format that can be converted to .txt file or .csv files for input into the aquifer test analysis program AQTESOLV

* Initial Water Level should be recorded at time = 0 of Test Period 1; reference point is TOC?

** Instantaneous Volumetric Flow Rate for the active extraction well used

US EPA ARCHIVE DOCUMENT

6.8 Full System Test

Table 6.8 – FULL SYSTEM TEST SETUP

Well Category	Test Period	Period Type	Period Duration	Measurement Type	Measurement Frequency				Measurements Recorded				
					0-10 min	10-100 min	100 - 1000 min	1000-10000 min	Elapsed Time (min)	Water level (ft)	Pumping Rate** (gpm)	Influent (gpm)	Baro-metric Pressure (in Hg)
Recovery Wells (8 wells)	1	System Pumping	48 hr	equal interval	600 sec				Y	Y	Y	Y	Y
	2	System off	120 hr	logarithmic	10 sec	100 sec	1000 sec	10000 sec	Y	Y	N	N	Y
	3	System Pumping	120 hr	logarithmic	10 sec	100 sec	1000 sec	10000 sec	Y	Y	Y	Y	Y
Monitoring Wells (27 wells)	1	System Pumping	48 hr	equal interval	600 sec				Y	Y	NA	NA	NA
	2	System off	120 hr	logarithmic	10 sec	100 sec	1000 sec	10000 sec	Y	Y	NA	NA	NA
	3	System Pumping	120 hr	logarithmic	10 sec	100 sec	1000 sec	10000 sec	Y	Y	NA	NA	NA

SETUP NOTES

The measurement frequency restarts at the beginning of each period

A total of 10 flow rate (8 extraction wells + infl+irrigation) channels, 1 pressure, and 35 level data channels (27 MWs and 8 RWs) would be required

The report must be provided in a format that can be converted to .txt file or .csv files for input into the aquifer test analysis program AQTESOLV

* Initial Water Level should be recorded at time = 0 of Test Period 1; reference point is TOC

** Instantaneous Volumetric Flow Rate from each extraction well

US EPA ARCHIVE DOCUMENT

6.9 Normal System Operation Reporting

Table 6.9 – NORMAL SYSTEM OPERATION REPORTING

Well Category	Period Type	Period Duration	Measurement Type	Measurement Frequency	Data to Include in Report																		
					Date & Time (24hr)	Well Operating (Y/N)	*Min. Water level (ft)	*Max. Water level (ft)	*Avg. Water level (ft)	Current Water level (ft)	*Min. Water level Elev (ft amsl)	*Max. Water level Elev (ft amsl)	*Avg. Water level Elev (ft amsl)	Current Water level Elev (ft amsl)	*Min. Flow Rate (gpm)	*Max. Flow Rate (gpm)	*Avg. Flow Rate (gpm)	Current Flow Rate (gpm)	*Min. Influent (gpm)	*Max. Influent (gpm)	*Avg. Influent (gpm)	Current Influent (gpm)	Current Totalizer Reading (gal)	Barometric Pressure (in Hg)
Recovery Wells (8)	Weekly	7 days	fixed	600 sec	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Monthly	30 days	fixed	600 sec	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Monitoring Wells (27)	Weekly	7 days	fixed	600 sec	Y	NA	NA	NA	NA	NA	Y	Y	Y	Y	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Monthly	30 days	fixed	3600 sec	Y	NA	NA	NA	NA	NA	Y	Y	Y	Y	NA	NA	NA	NA	NA	NA	NA	NA	NA
Injection Wells (2)	Weekly	7 days	fixed	600 sec	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Monthly	30 days	fixed	3600 sec	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	NA	NA	NA	NA	NA

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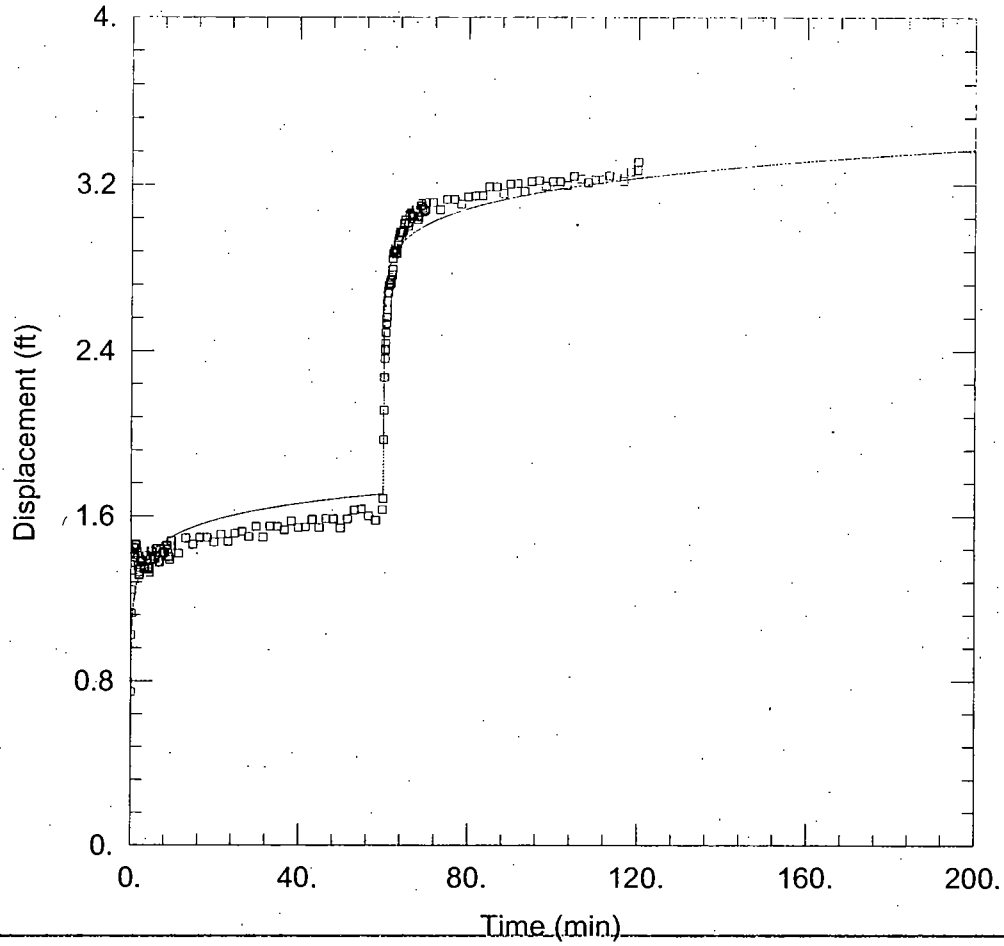
APPENDIX I

PUMPING TESTS CURVE MATCHING GRAPHS

RW-2 STEP TEST

RW-2 S-D Test: D-B (1984), Avg Pumping Rate, 6-inch Wellbore Radius



WELL TEST ANALYSIS

Data Set: P:\...\RW2_confined_D-B_trunc47_6inrw.aqt
Date: 06/17/11 Time: 13:01:26

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-2

AQUIFER DATA

Saturated Thickness: 11. ft Anisotropy Ratio (Kz/Kr): 0.003246

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
RW-2	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
RW-2	0	0

SOLUTION

Aquifer Model: Confined
Solution Method: Dougherty-Babu

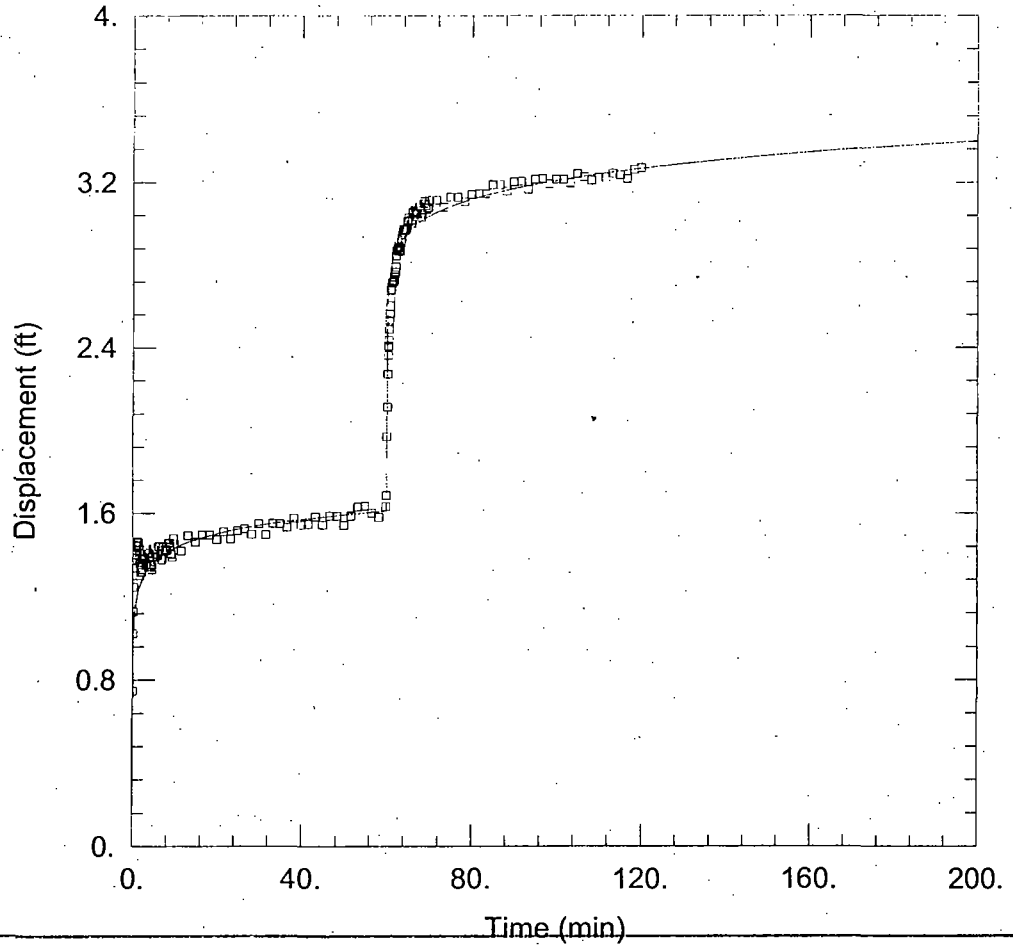
T = 1112.2 ft^2/day
Kz/Kr = 0.003246
r(w) = 0.5 ft
C = 0.6644 min^2/ft^5

S = 0.1
Sw = 0.
r(c) = 0.25 ft
P = 1.125

Step Test Model: Jacob-Rorabaugh
Time (t) = 1. min Rate (Q) in cu. ft/min

$s(t) = 0.4278Q + 0.6644Q^{1.125}$
W.E. = 37.14% (Q from last step)

RW-2 S-D Test: D-B (1984), 7.5 gpm Pumping Rate, 6-inch Wellbore Radius



WELL TEST ANALYSIS

Data Set: P:\...\RW2_confined_D-B_trunc47_6rw_7.5flow.aqt
Date: 06/17/11 Time: 13:06:40

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-2

AQUIFER DATA

Saturated Thickness: 11. ft Anisotropy Ratio (Kz/Kr): 0.003246

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
RW-2	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
RW-2	0	0

SOLUTION

Aquifer Model: Confined
Solution Method: Dougherty-Babu

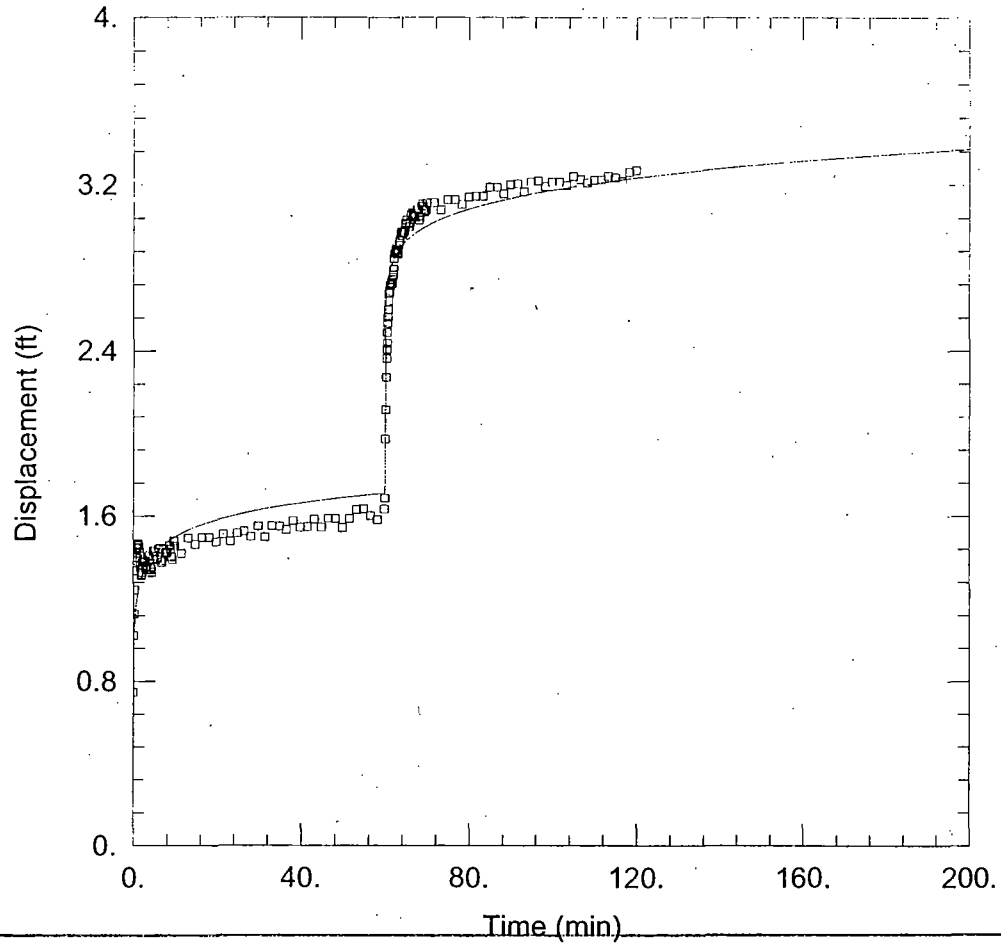
T = 1171.2 ft^2/day
Kz/Kr = 0.003246
r(w) = 0.5 ft
C = 0.7856 min^2/ft^5

S = 0.1
Sw = 0.
r(c) = 0.25 ft
P = 1.

Step Test Model: Jacob-Rorabaugh
Time (t) = 1. min Rate (Q) in cu. ft/min

$s(t) = 0.4116Q + 0.7856Q^{1.}$
W.E. = 34.38% (Q from last step)

RW-2 S-D Test: D-B (1984), Avg Pumping Rate, 8-inch Wellbore Radius



WELL TEST ANALYSIS

Data Set: P:\...\RW2_confined_D-B_trunc47_8inrw.aqt
Date: 06/17/11 Time: 13:07:41

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-2

AQUIFER DATA

Saturated Thickness: 11. ft Anisotropy Ratio (Kz/Kr): 0.003246

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
RW-2	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
▫ RW-2	0	0

SOLUTION

Aquifer Model: Confined
Solution Method: Dougherty-Babu

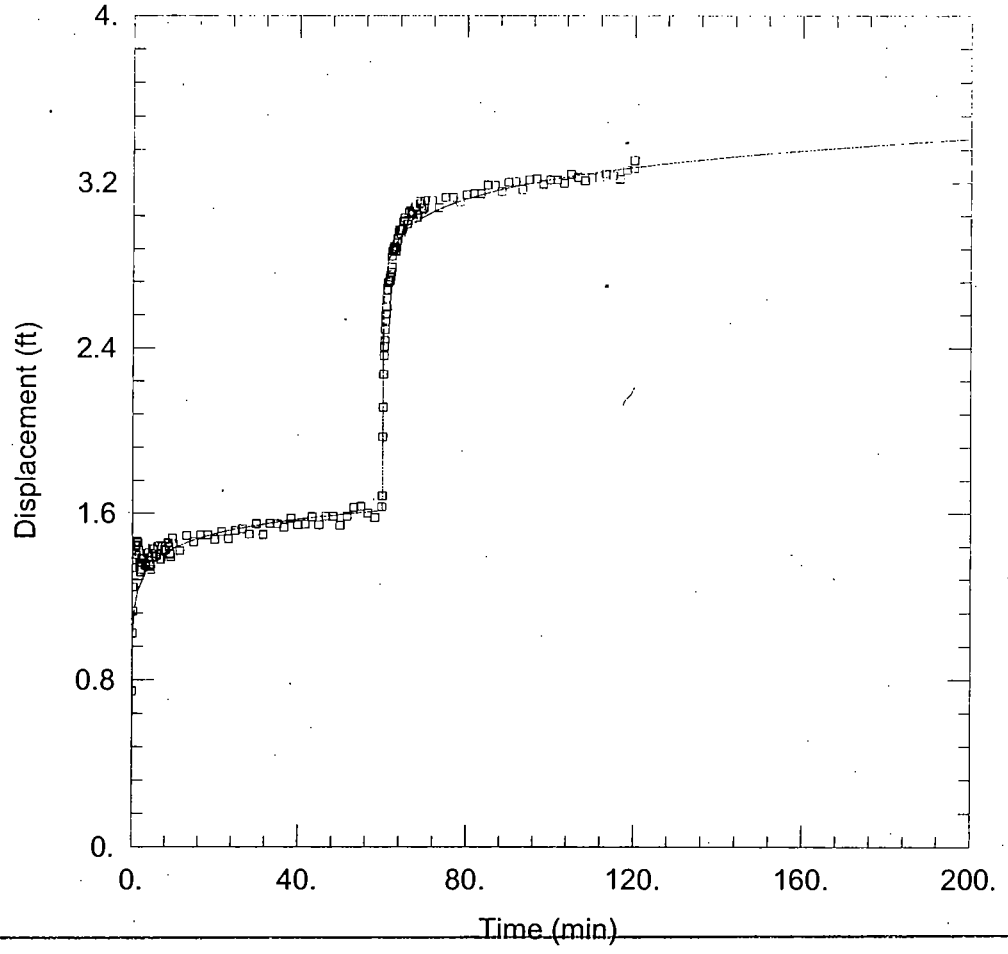
T = 1088.1 ft^2/day
Kz/Kr = 0.003246
r(w) = 0.666 ft
C = 0.7099 min^2/ft^5

S = 0.1
Sw = 0.
r(c) = 0.25 ft
P = 1.114

Step Test Model: Jacob-Rorabaugh
Time (t) = 1. min Rate (Q) in cu. ft/min

$s(t) = 0.3825Q + 0.7099Q^{1.114}$
W.E. = 33.25% (Q from last step)

RW-2 S-D Test: D-B (1984), 7.5 gpm Pumping Rate, 8-inch Wellbore Radius



WELL TEST ANALYSIS

Data Set: P:\...\RW2_confined_D-B_trunc47_8inrw_7.5flow.aqt
Date: 06/17/11 Time: 13:08:29

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-2

AQUIFER DATA

Saturated Thickness: 11. ft Anisotropy Ratio (Kz/Kr): 0.003246

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
RW-2	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
RW-2	0	0

SOLUTION

Aquifer Model: Confined
Solution Method: Dougherty-Babu

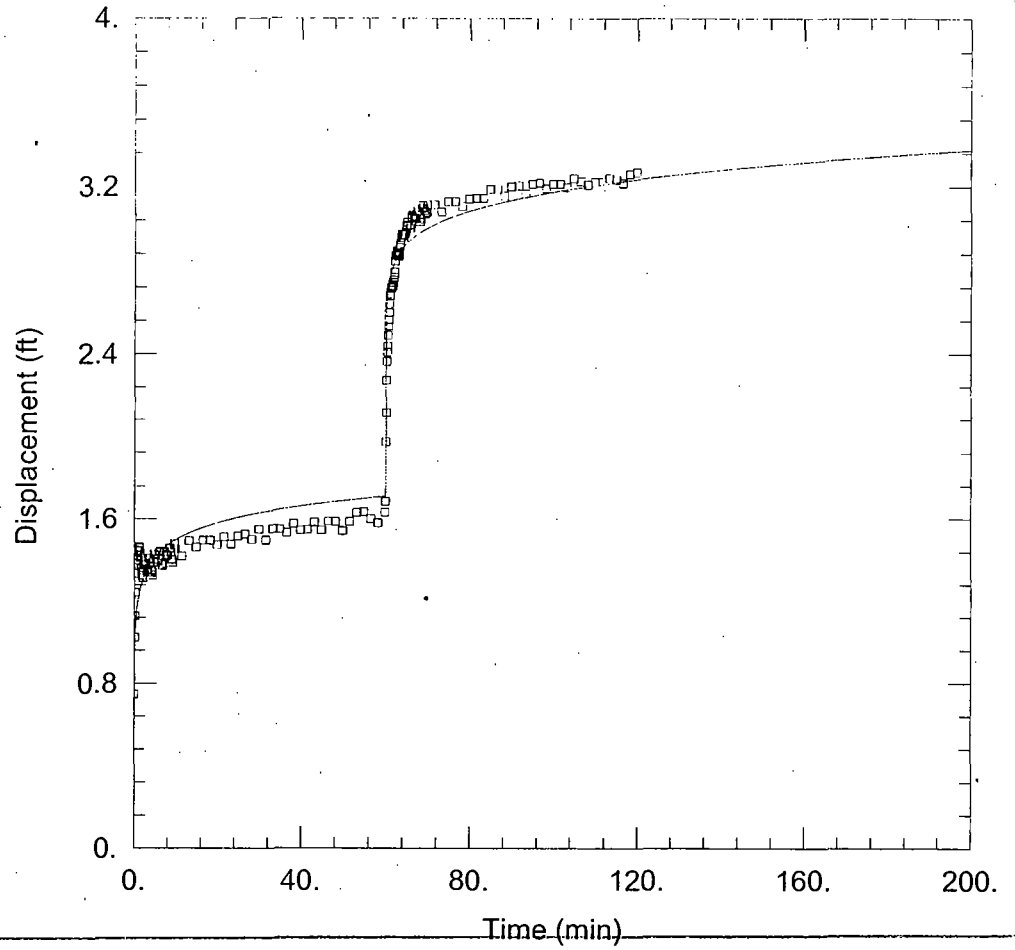
T = 1129.7 ft^2/day
Kz/Kr = 0.003246
r(w) = 0.6667 ft
C = 0.82 min^2/ft^5

S = 0.1
Sw = 0.
r(c) = 0.25 ft
P = 1.

Step Test Model: Jacob-Rorabaugh
Time (t) = 1. min Rate (Q) in cu. ft/min

$s(t) = 0.372Q + 0.82Q^{1.}$
W.E. = 31.21% (Q from last step)

RW-2 S-D Test: D-B (1984), Avg Pumping Rate, 9-inch Wellbore Radius



WELL TEST ANALYSIS

Data Set: P:\...\RW2_confined_D-B_trunc47_9inrw.aqt
Date: 06/17/11 Time: 13:09:15

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-2

AQUIFER DATA

Saturated Thickness: 11. ft Anisotropy Ratio (Kz/Kr): 0.003246

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
RW-2	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
RW-2	0	0

SOLUTION

Aquifer Model: Confined
Solution Method: Dougherty-Babu

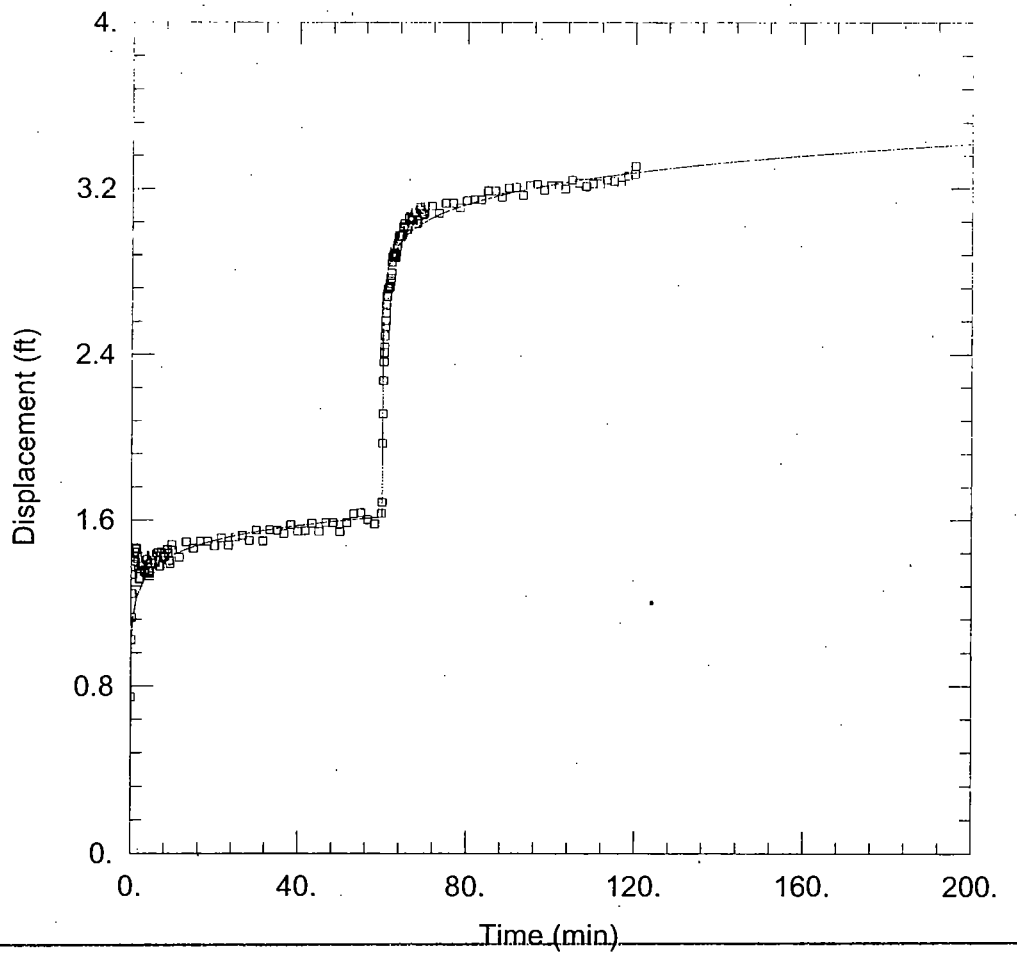
T = 1075.8 ft^2/day
Kz/Kr = 0.003246
r(w) = 0.75 ft
C = 0.7282 min^2/ft^5

S = 0.1
Sw = 0.
r(c) = 0.25 ft
P = 1.11

Step Test Model: Jacob-Rorabaugh
Time (t) = 1. min Rate (Q) in cu. ft/min

$s(t) = 0.3643Q + 0.7282Q^{1.11}$
W.E. = 31.69% (Q from last step)

RW-2 S-D Test: D-B (1984), 7.5 gpm Pumping Rate, 9-inch Wellbore Radius



WELL TEST ANALYSIS

Data Set: P:\...\RW2_confined_D-B_trunc47_9inrw_7.5flow.aqt
Date: 06/17/11 Time: 13:09:56

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-2

AQUIFER DATA

Saturated Thickness: 11. ft Anisotropy Ratio (Kz/Kr): 0.003246

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
RW-2	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
RW-2	0	0

SOLUTION

Aquifer Model: Confined
Solution Method: Dougherty-Babu

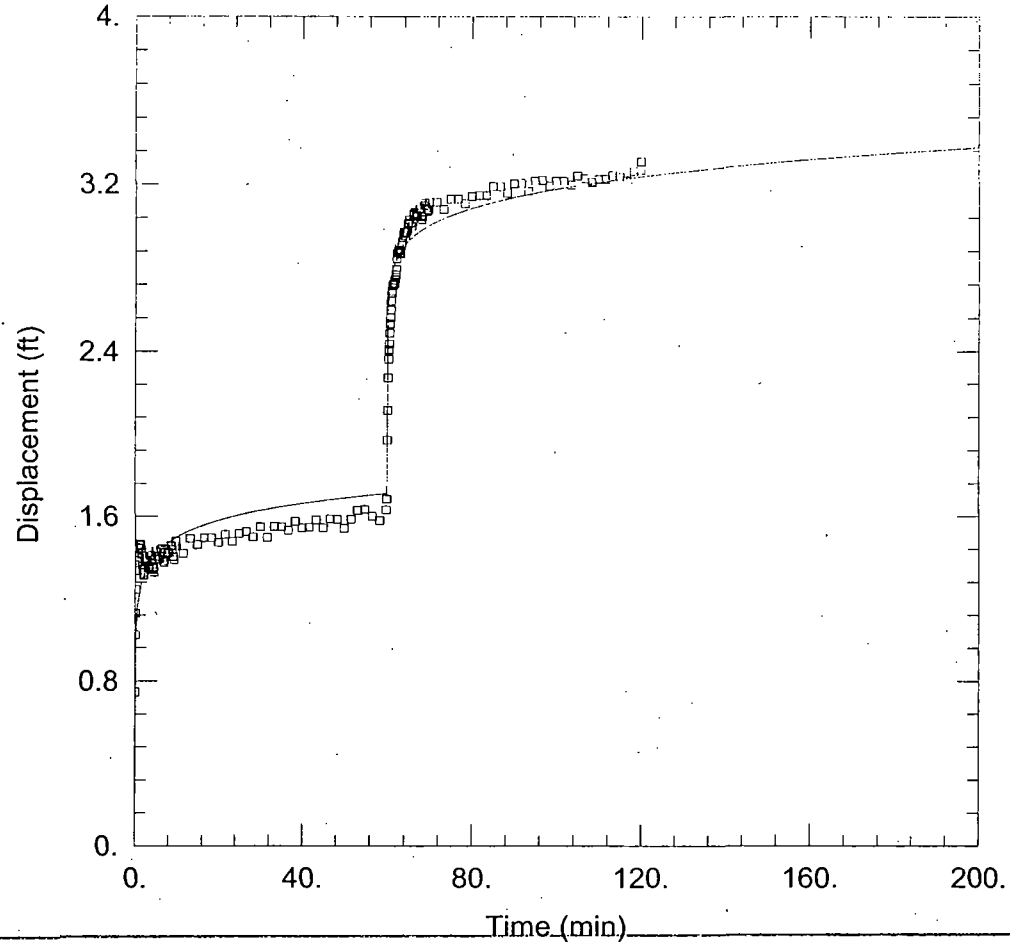
T = 1112.9 ft^2/day
Kz/Kr = 0.003246
r(w) = 0.75 ft
C = 0.835 min^2/ft^5

S = 0.1
Sw = 0.
r(c) = 0.25 ft
P = 1.

Step Test Model: Jacob-Rorabaugh
Time (t) = 1. min Rate (Q) in cu. ft/min

$s(t) = 0.3555Q + 0.835Q^{1.}$
W.E. = 29.86% (Q from last step)

RW-2 S-D Test: Theis (1935), Avg Pumping Rate, 8-inch Wellbore Radius



WELL TEST ANALYSIS

Data Set: P:\...\RW2_confined_Theis_trunc47_avgflow.aqt
Date: 06/17/11 Time: 13:13:15

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-2

AQUIFER DATA

Saturated Thickness: 11. ft Anisotropy Ratio (Kz/Kr): 0.003246

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
RW-2	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
RW-2	0	0

SOLUTION

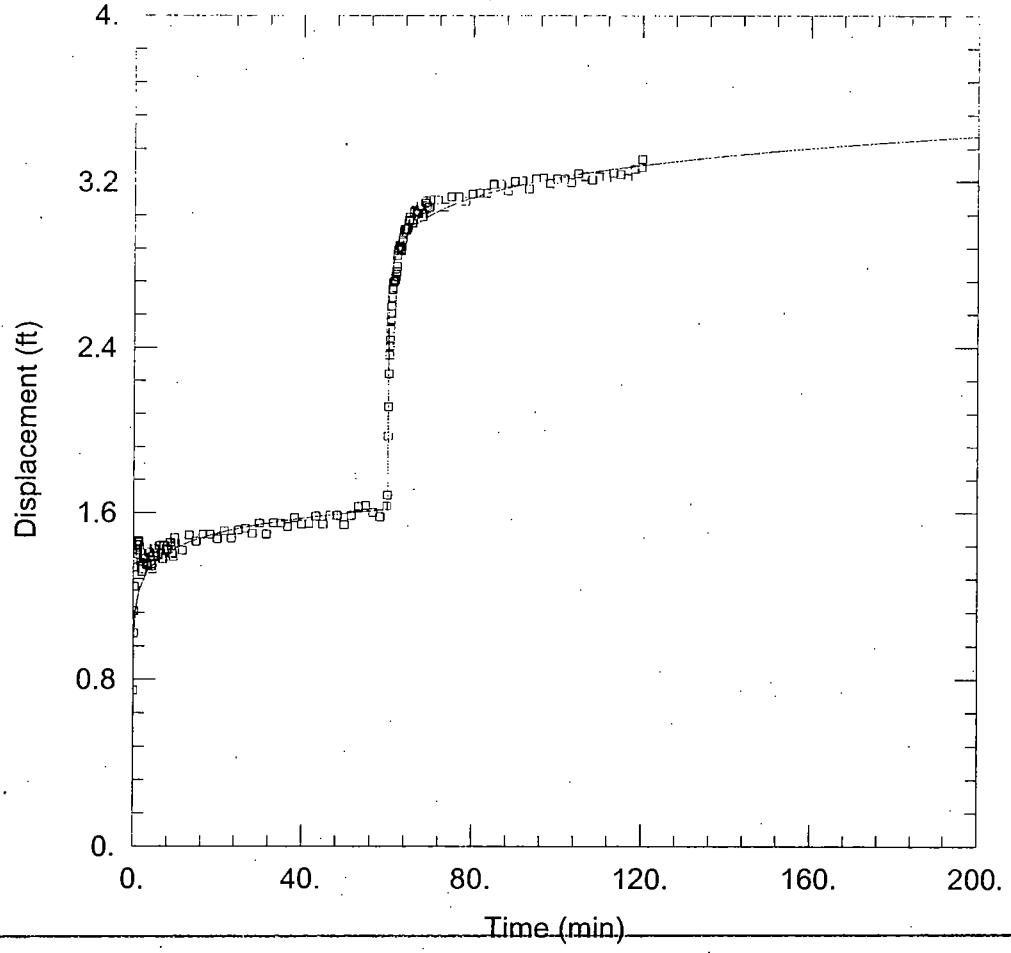
Aquifer Model: Confined
Solution Method: Theis (Step Test)

T = 1076.9 ft^2/day
S = 0.1
Sw = 0.
C = 0.7044 min^2/ft^5
P = 1.113

Step Test Model: Jacob-Rorabaugh
Time (t) = 1. min Rate (Q) in cu. ft/min

$s(t) = 0.3881Q + 0.7044Q^{1.113}$
W.E. = 33.76% (Q from last step)

RW-2 S-D Test: Theis (1935), 7.5 gpm Pumping Rate, 8-inch Wellbore Radius



WELL TEST ANALYSIS

Data Set: P:\...\RW2_confined_Theis_trunc47_7.5flow.aqt
Date: 06/17/11 Time: 13:11:43

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-2

AQUIFER DATA

Saturated Thickness: 11. ft Anisotropy Ratio (Kz/Kr): 0.003246

WELL DATA

Pumping Wells		
Well Name	X (ft)	Y (ft)
RW-2	0	0

Observation Wells		
Well Name	X (ft)	Y (ft)
RW-2	0	0

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Step Test)

T = 1110.8 ft^2/day
Sw = 0.
P = 1.

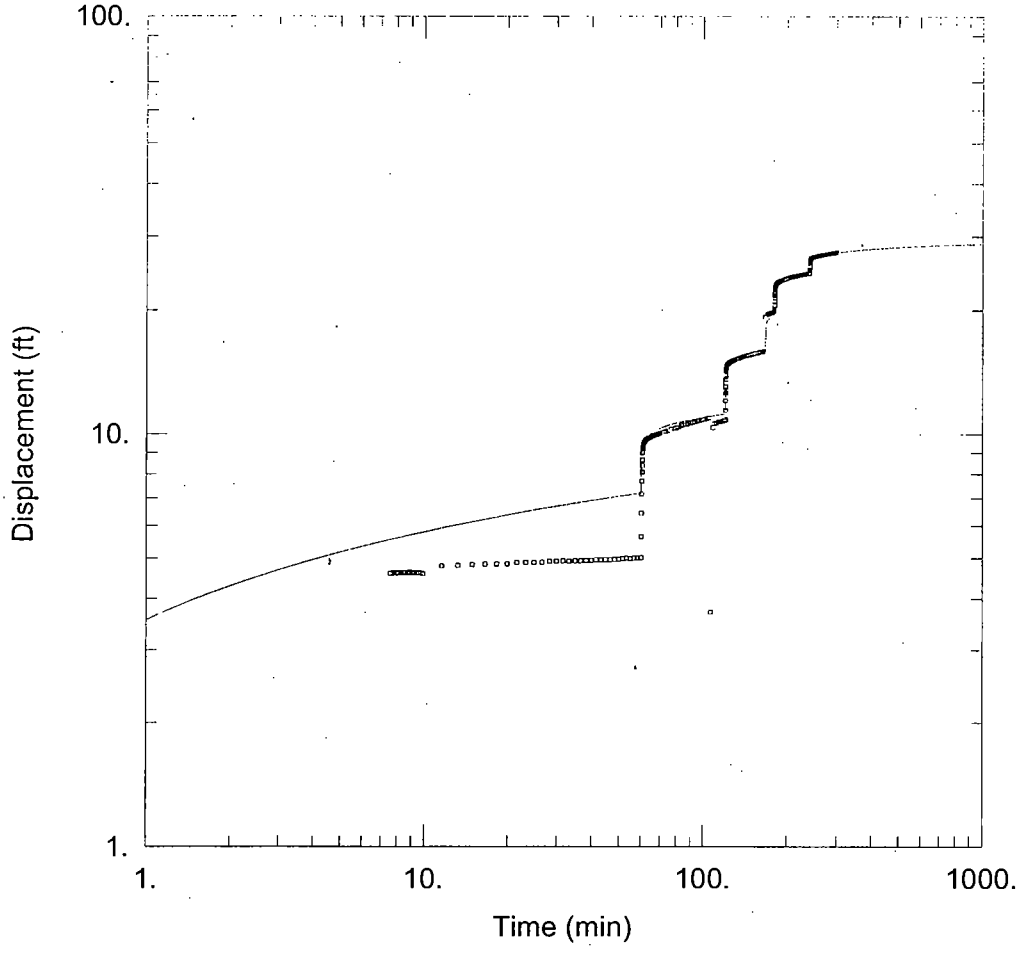
S = 0.1
C = 0.8103 min^2/ft^5

Step Test Model: Jacob-Rorabaugh
Time (t) = 1. min Rate (Q) in cu. ft/min

$s(t) = 0.3793Q + 0.8103Q^{1.}$
W.E. = 31.88% (Q from last step)

RW-7 STEP TEST

RW-7 S-D Test: H-J (1955), Average Pumping Rates, Displacement Weighted



WELL TEST ANALYSIS

Data Set: P:\...\RW7_steptest_alltrunc_H-J_Scalc_wght.aqt
Date: 05/02/11 Time: 10:49:09

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-7

AQUIFER DATA

Saturated Thickness: 20.5 ft
Aquitard Thickness (b'): 1. ft
Anisotropy Ratio (Kz/Kr): 1.
Aquitard Thickness (b"): 1. ft

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
RW-7	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
RW-7	0	0

SOLUTION

Aquifer Model: Leaky
Solution Method: Hantush-Jacob

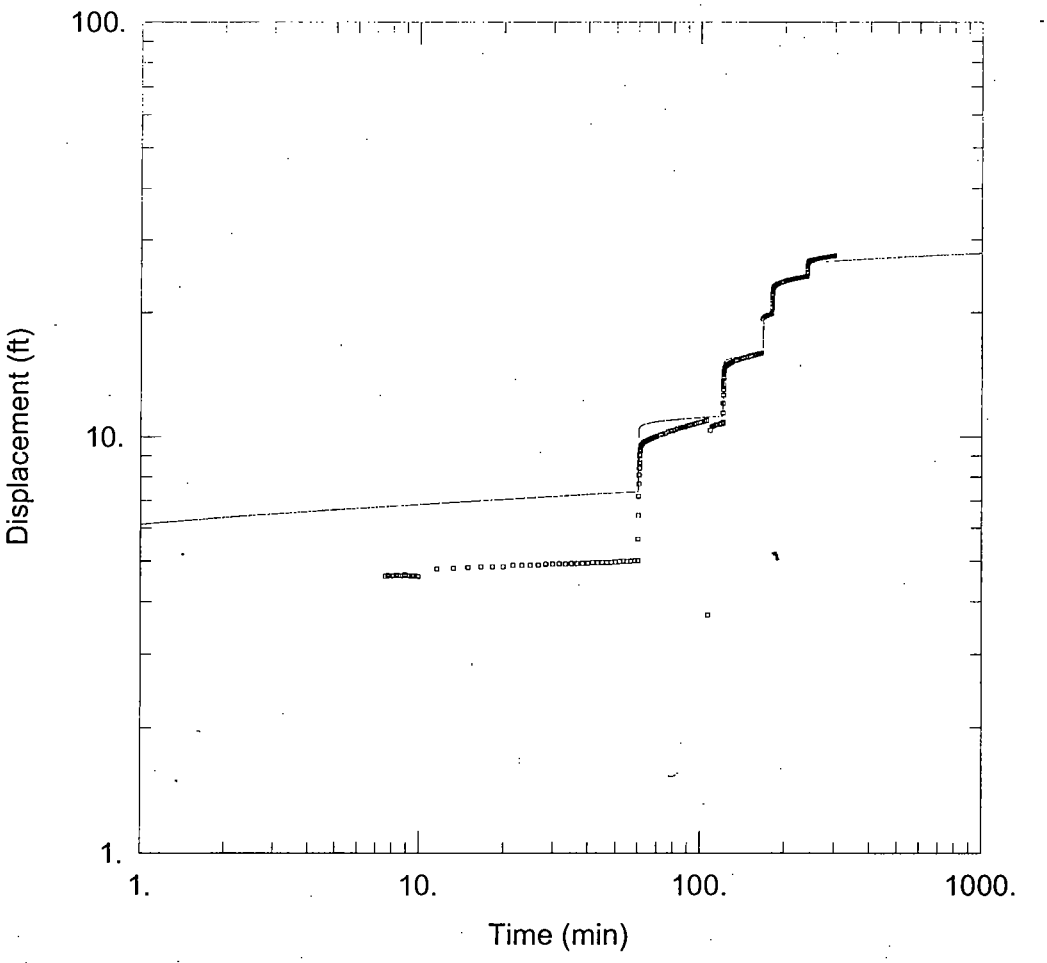
T = 862.9 ft^2/day
r/B = 0.02446
C = 0.07762 min^2/ft^5

S = 0.7185
Sw = 0.
P = 1.863

Step Test Model: Jacob-Rorabaugh
Time (t) = 1. min Rate (Q) in cu. ft/min

$s(t) = 0.3265Q + 0.07762Q^{1.863}$
W.E. = 29.62% (Q from last step)

RW-7 S-D Test: H-J (1955), Average Pumping Rates, Displacement Weighted, S=0.001



WELL TEST ANALYSIS

Data Set: P:\...\RW7_steptest_H-J_Sreal.aqt
Date: 05/02/11 Time: 10:55:54

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-7

AQUIFER DATA

Saturated Thickness: 20.5 ft
Aquitard Thickness (b'): 1. ft
Anisotropy Ratio (Kz/Kr): 1.
Aquitard Thickness (b"): 1. ft

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
RW-7	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
RW-7	0	0

SOLUTION

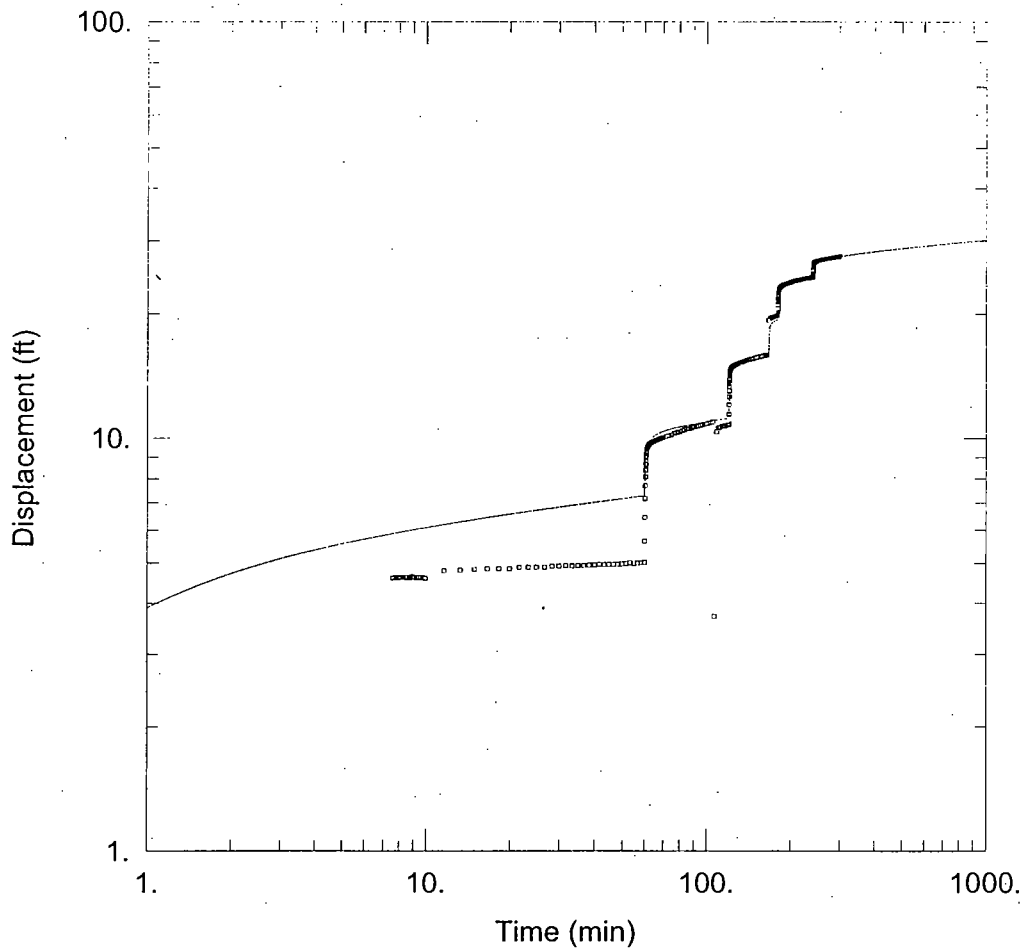
Aquifer Model: Leaky
Solution Method: Hantush-Jacob

T = 2195.1 ft^2/day
r/B = 1.0E-5
C = 0.2205 min^2/ft^5
S = 0.001
Sw = 0.
P = 1.564

Step Test Model: Jacob-Rorabaugh
Time (t) = 1. min Rate (Q) in cu. ft/min

$s(t) = 0.5675Q + 0.2205Q^{1.564}$
W.E. = 36.33% (Q from last step)

RW-7 S-D Test: D-B (1984), Average Pumping Rates, Displacement Weighted



WELL TEST ANALYSIS

Data Set: C:\Documents and Settings\jgadt\Desktop\Garvey Pumping Test Files\RW7_steptest_alltrunc_D-B.aqt
Date: 04/30/11 Time: 15:26:23

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-7

AQUIFER DATA

Saturated Thickness: 20.5 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
RW-7	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
◦ RW-7	0	0

SOLUTION

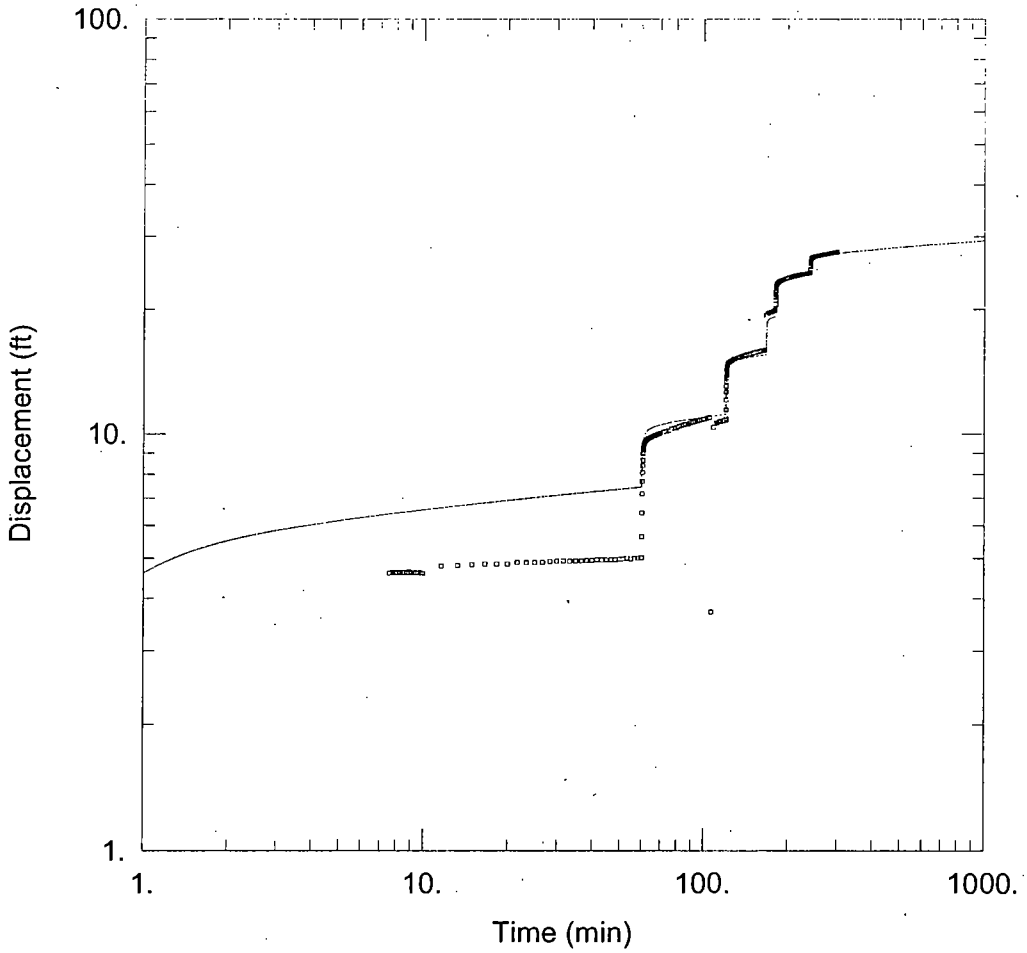
Aquifer Model: Confined
T = 977.6 ft^2/day
Kz/Kr = 1.
r(w) = 0.5 ft
C = 0.03031 min^2/ft^5

Solution Method: Dougherty-Babu
S = 0.1083
Sw = 0.
r(c) = 0.333 ft
P = 2.133

Step Test Model: Jacob-Rorabaugh
Time (t) = 1. min Rate (Q) in cu. ft/min

$s(t) = 0.5192Q + 0.03031Q^{2.133}$
W:E. = 45.45% (Q from last step)

RW-7 S-D Test: D-B (1984), Average Pumping Rates, Displacement Weighted, S=0.001



WELL TEST ANALYSIS

Data Set: C:\Documents and Settings\jgadt\Desktop\Garvey Pumping Test Files\RW7_steptest_D-B_Sreal.aqt
Date: 04/30/11 Time: 16:27:38

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-7

AQUIFER DATA

Saturated Thickness: 20.5 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
RW-7	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
RW-7	0	0

SOLUTION

Aquifer Model: Confined
Solution Method: Dougherty-Babu

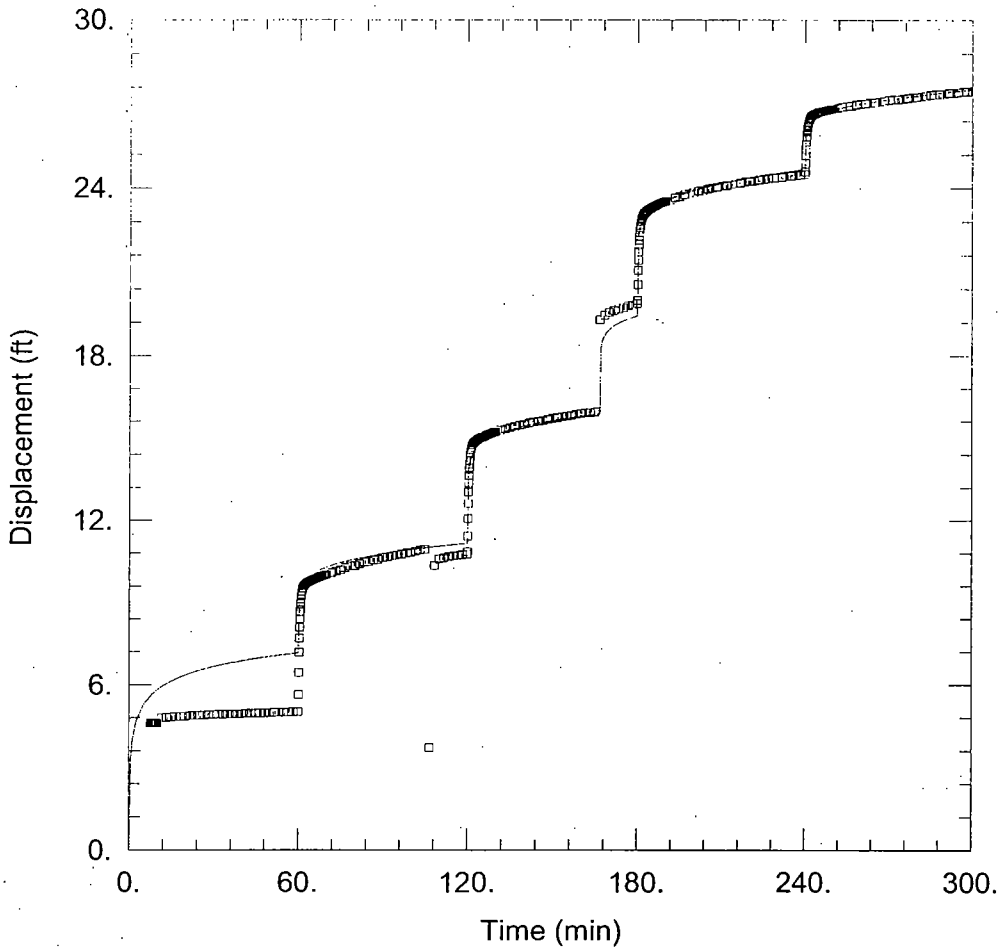
T = 1293.5 ft^2/day
Kz/Kr = 1.
r(w) = 0.5 ft
C = 0.003367 min^2/ft^5

S = 0.001
Sw = 0.
r(c) = 0.333 ft
P = 2.861

Step Test Model: Jacob-Rorabaugh
Time (t) = 1. min Rate (Q) in cu. ft/min

$s(t) = 0.777Q + 0.003367Q^{2.861}$
W.E. = 61.66% (Q from last step)

RW-7 S-D Test: Theis (1935), Average Pumping Rates, Displacement Weighted



WELL TEST ANALYSIS

Data Set: C:\Documents and Settings\jgadt\Desktop\Garvey Pumping Test Files\RW7_steptest_alltrunc_Theis.aqt
Date: 04/30/11 Time: 16:25:34

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-7

AQUIFER DATA

Saturated Thickness: 20.5 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
RW-7	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
RW-7	0	0

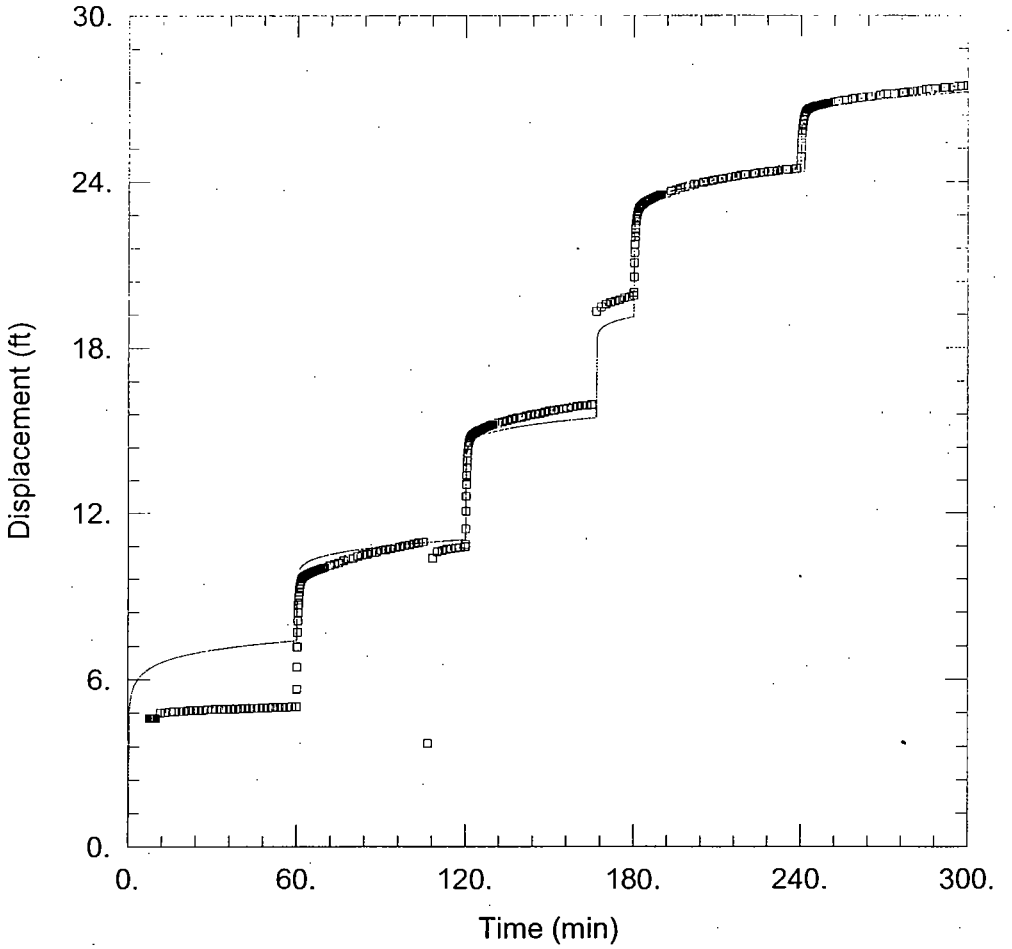
SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Step Test)

T = 945.3 ft^2/day
S = 0.6173
Sw = 0.
C = 0.09422 min^2/ft^5
P = 1.803

Step Test Model: Jacob-Rorabaugh
$s(t) = 0.3339Q + 0.09422Q^{1.803}$
Time (t) = 1. min Rate (Q) in cu. ft/min
W.E. = 29.39% (Q from last step)

RW-7 S-D Test: Theis (1935), Average Pumping Rates, Displacement Weighted, S=0.001



WELL TEST ANALYSIS

Data Set: P:\...\RW7_steptest_Theis_Sreal.aqt
Date: 05/02/11 Time: 10:57:52

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-7

AQUIFER DATA

Saturated Thickness: 20.5 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
RW-7	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
RW-7	0	0

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Step Test)

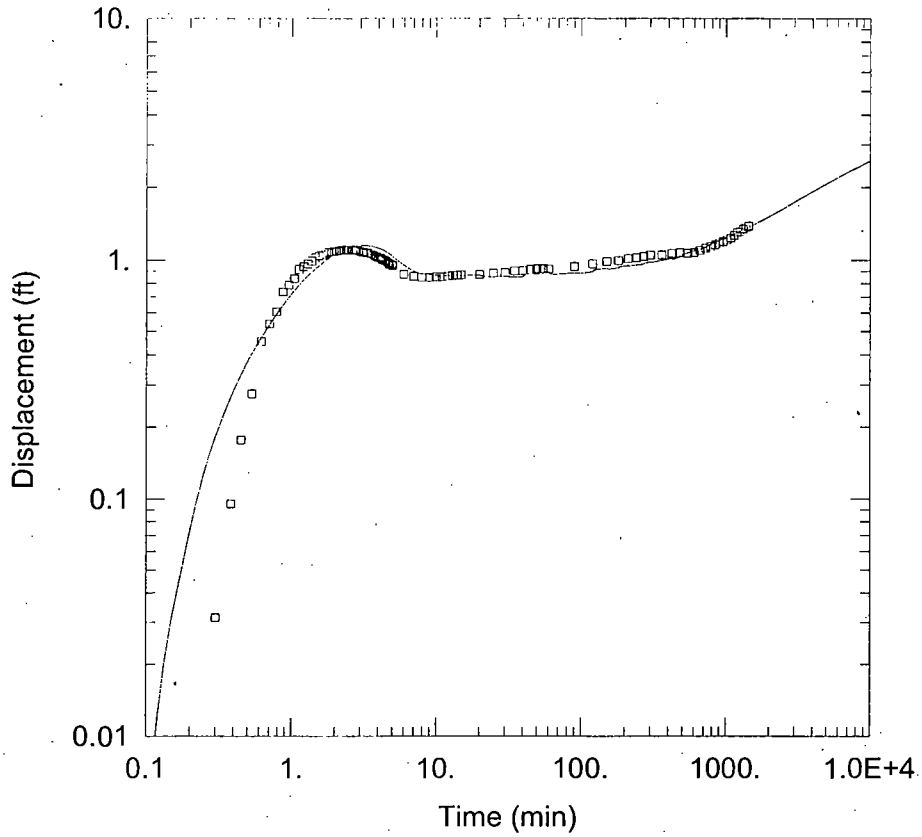
T = 1300.6 ft^2/day
Sw = 0.
P = 2.894

S = 0.001
C = 0.003127 min^2/ft^5

Step Test Model: Jacob-Rorabaugh
Time (t) = 1. min Rate (Q) in cu. ft/min

$s(t) = 0.9116Q + 0.003127Q^{2.894}$
W.E. = 65.03% (Q from last step)

RW-2 CONSTANT RATE TEST



RW-2 CONSTANT RATE TEST: MW-49B MOENCH (1997) SOLUTION

Data Set: P:\...\rw-2_bz_MW-48B_moench_pumping.aqt
Date: 08/15/11 Time: 15:25:47

PROJECT INFORMATION

Company: US EPA Region 7
Project: Garvey Elevator Site
Location: Hastings, NE
Test Well: RW-2
Test Date: 5/4/2011

AQUIFER DATA

Saturated Thickness: 11. ft Anisotropy Ratio (Kz/Kr): 0.1033

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
RW-2	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
MW-49B	19	0

SOLUTION

Aquifer Model: Unconfined Solution Method: Moench

T = 175.8 ft^2/day
Sy = 0.3353
Sw = 0.
r(c) = 0.25 ft

S = 1.547E-5
ß = 0.3083
r(w) = 0.25 ft
alpha = 1.0E+30 min^{-1}

Data Set: P:\EPA AES\Projects\0046 Garvey Elevator RD\Project Data\Pumping Tests\RW-2 Crate Test\rw-
Title: RW-2 Constant Rate Test: MW-49B Moench (1997) Solution
Date: 08/15/11
Time: 15:20:43

PROJECT INFORMATION

Company: US EPA Region 7
Project: Garvey Elevator Site
Location: Hastings, NE
Test Date: 5/4/2011
Test Well: RW-2

AQUIFER DATA

Saturated Thickness: 11. ft
Anisotropy Ratio (Kz/Kr): 0.1033

PUMPING WELL DATA

No. of pumping wells: 1

Pumping Well No. 1: RW-2

X Location: 0. ft
Y Location: 0. ft

Casing Radius: 0.25 ft
Well Radius: 0.25 ft

Partially Penetrating Well
Depth to Top of Screen: 3. ft
Depth to Bottom of Screen: 11. ft

No. of pumping periods: 106

Pumping Period Data

Time (min)	Rate (gal/min)
0.08215	13.92
0.166	21.8
0.2501	20.45
0.3336	20.12
0.401	19.46
0.485	17.82
0.5697	18.48
0.654	18.55
0.7382	17.92
0.8222	17.86
0.9068	17.52
0.9909	17.4
1.075	16.94
1.159	16.68
1.243	16.28
1.327	16.18
1.412	15.38
1.496	16.24
1.58	15.67
1.664	15.54
1.748	15.39
1.832	15.14
1.916	15.09
2.	14.55
2.084	14.67
2.168	14.65
2.252	14.39
2.336	14.3

Time (min)	Rate (gal/min)
2.421	14.25
2.505	13.74
2.589	13.69
2.673	13.48
2.757	13.21
2.841	13.27
2.925	12.86
2.992	13.
3.076	12.61
3.159	12.78
3.244	12.72
3.328	12.38
3.412	12.35
3.506	12.05
3.582	12.12
3.666	11.63
3.75	11.73
3.834	11.4
3.917	11.49
4.001	11.47
4.085	11.09
4.169	10.88
4.253	10.78
4.337	10.82
4.42	10.78
4.505	10.45
4.589	10.21
4.673	10.08
4.756	9.928
4.841	9.678
4.925	9.537
5.916	9.281
6.92	9.331
7.926	9.569
8.918	9.478
9.927	9.559
10.92	9.466
11.93	9.519
12.92	9.588
13.93	9.425
14.92	9.55
19.92	9.325
24.91	9.378
29.92	9.303
34.92	9.256
39.92	9.578
44.92	9.484
49.91	9.522
54.91	9.606
59.91	9.378
89.91	9.328
119.9	9.534
149.9	9.431
179.9	9.528
209.9	9.453
239.9	9.403
269.9	9.453
299.9	9.378
359.8	9.319
419.8	9.181
479.8	9.366
539.8	9.406
599.8	9.334
659.8	9.322
719.8	9.363

Time (min)	Rate (gal/min)
779.7	9.484
839.7	9.419
899.7	9.394
959.7	9.363
1019.7	9.284
1079.7	9.341
1139.7	9.35
1199.6	9.375
1259.6	9.431
1319.6	9.4
1379.6	9.331
1439.6	9.425
1440.	9.284

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW-49B

X Location: 19. ft
Y Location: 0. ft

Radial distance from RW-2: 19. ft

Fully Penetrating Well

No. of Observations: 104

Observation Data

Time (min)	Displacement (ft)
0.3001	0.03135
0.3836	0.09521
0.451	0.1764
0.535	0.2759
0.6197	0.4544
0.704	0.5377
0.7883	0.6059
0.8721	0.7357
0.9568	0.7877
1.041	0.8374
1.125	0.9142
1.209	0.9381
1.293	0.964
1.377	0.99
1.462	1.024
1.546	1.041
1.63	1.05
1.714	1.059
1.798	1.078
1.882	1.082
1.966	1.085
2.05	1.088
2.134	1.098
2.218	1.097
2.302	1.097
2.386	1.103
2.471	1.1
2.555	1.098
2.639	1.096
2.723	1.104
2.807	1.097
2.891	1.094
2.975	1.086
3.042	1.082

Time (min)	Displacement (ft)
3.126	1.078
3.209	1.078
3.294	1.069
3.378	1.069
3.462	1.059
3.556	1.058
3.632	1.046
3.716	1.047
3.8	1.037
3.884	1.034
3.967	1.029
4.051	1.02
4.135	1.019
4.219	1.007
4.303	1.004
4.387	0.9964
4.471	0.99
4.555	0.9867
4.639	0.976
4.723	0.964
4.806	0.9597
4.891	0.9597
4.975	0.95
5.966	0.8732
6.97	0.8558
7.976	0.8494
8.968	0.8484
9.977	0.8537
10.97	0.8527
11.98	0.8591
12.97	0.8634
13.98	0.8657
14.97	0.8688
19.97	0.871
24.96	0.884
29.97	0.8894
34.97	0.9025
39.97	0.9047
44.97	0.9144
49.96	0.921
54.96	0.922
59.96	0.9199
89.96	0.9406
120.	0.9656
149.9	0.9861
179.9	0.997
209.9	1.014
239.9	1.021
269.9	1.035
299.9	1.049
359.9	1.051
419.9	1.065
479.9	1.072
539.8	1.067
599.8	1.077
659.8	1.098
719.8	1.122
779.8	1.14
839.8	1.158
899.8	1.179
959.7	1.194
1019.7	1.216
1079.7	1.236
1139.7	1.268
1199.7	1.304

Time (min)	Displacement (ft)
1259.7	1.313
1319.7	1.346
1379.6	1.363
1439.6	1.389
1440.	1.381

SOLUTION

Pumping Test
Aquifer Model: Unconfined
Solution Method: Moench

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	175.8	ft^2/day
S	1.547E-5	
Sy	0.3353	
ß	0.3083	
Sw	0.	
r(w)	0.25	ft
r(c)	0.25	ft
alpha	1.0E+30	min^{-1}

K = T/b = 15.98 ft/day (0.005637 cm/sec)
Ss = S/b = 1.407E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	175.8	52.51	+/- 104.2	3.347	ft^2/day
S	1.547E-5	2.109E-5	+/- 4.184E-5	0.7337	
Sy	0.3353	0.1259	+/- 0.2497	2.663	
ß	0.3083	0.1389	+/- 0.2755	2.22	
Sw	0.	1.036	+/- 2.056	0.	
r(w)	0.25	not estimated			ft
r(c)	1.0E+30	not estimated			ft
alpha	0.	0.			min^{-1}

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 15.98 ft/day (0.005637 cm/sec)
Ss = S/b = 1.407E-6 1/ft

Parameter Correlations

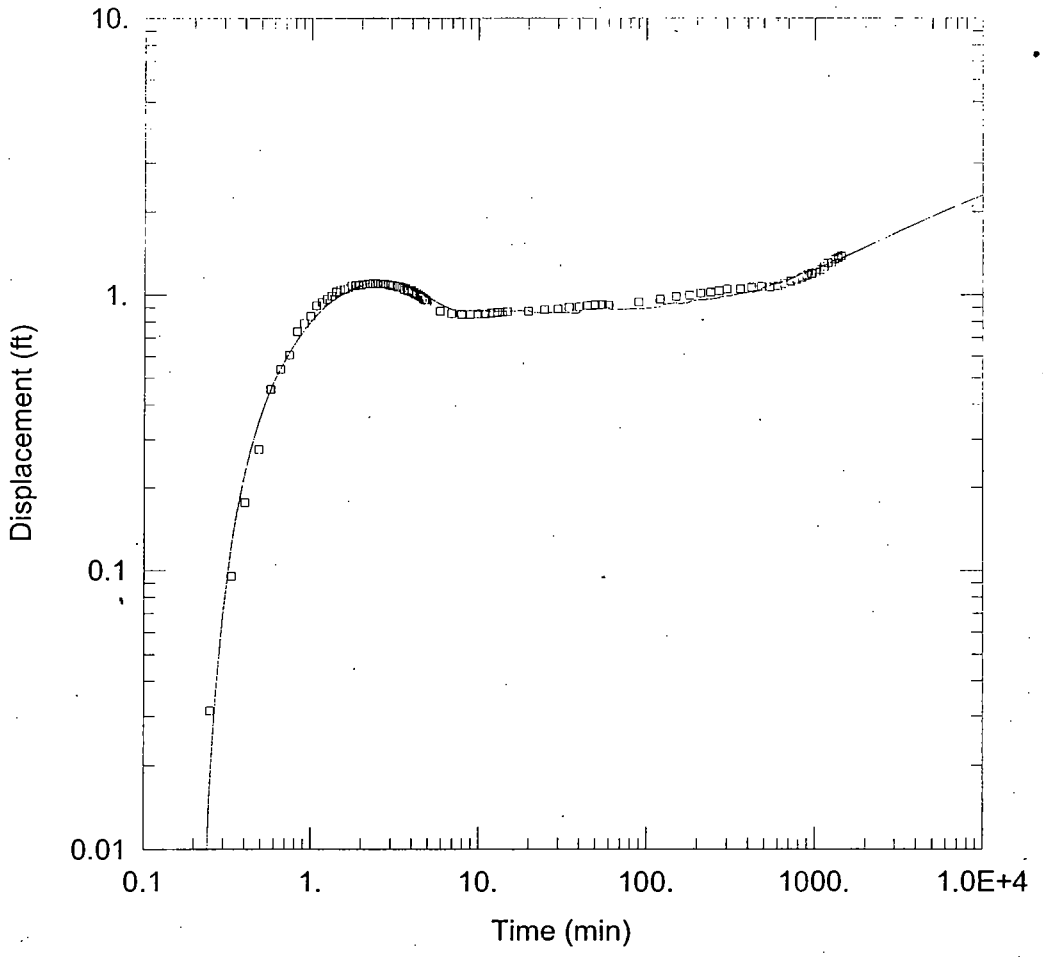
	T	S	Sy	ß	Sw	alpha
T	1.00	0.15	-1.00	-1.00	0.97	0.00
S	0.15	1.00	-0.15	-0.14	-0.03	0.00
Sy	-1.00	-0.15	1.00	1.00	-0.97	0.00
ß	-1.00	-0.14	1.00	1.00	-0.98	0.00
Sw	0.97	-0.03	-0.97	-0.98	1.00	0.00
alpha	0.00	0.00	0.00	0.00	0.00	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 0.7575 ft^2

Variance	0.00773 ft^2
Std. Deviation	0.08792 ft
Mean	-0.00464 ft
No. of Residuals	104
No. of Estimates	6



RW-2 CONSTANT RATE TEST: MW-49B NEUMAN (1974) SOLUTION

Data Set: P:\...\RW-2_MW-49B_Neuman_pumping.aqt
Date: 08/15/11 Time: 15:28:53

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-2

AQUIFER DATA

Saturated Thickness: 11. ft

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
RW-2	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
MW-49B	19	0

SOLUTION

Aquifer Model: Unconfined
Solution Method: Neuman

T = 255.4 ft^2/day
S = 0.0004782
Sy = 0.181
ß = 0.1054

Data Set: P:\EPA AES\Projects\0046 Garvey Elevator RD\Project Data\Pumping Tests\RW-2 Crate Test\RW-2_MW
Title: RW-2 Constant Rate Test: MW-49B Neuman (1974) Solution
Date: 08/15/11
Time: 15:29:20

PROJECT INFORMATION

Company: HydroGeologic, Inc.
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-2

AQUIFER DATA

Saturated Thickness: 11. ft
Anisotropy Ratio (Kz/Kr): 0.03532

PUMPING WELL DATA

No. of pumping wells: 1

Pumping Well No. 1: RW-2

X Location: 0. ft
Y Location: 0. ft

Casing Radius: 0.25 ft
Well Radius: 0.6667 ft

Fully Penetrating Well

No. of pumping periods: 105

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.166	21.8	4.589	10.21
0.2501	20.45	4.673	10.08
0.3336	20.12	4.756	9.928
0.401	19.46	4.841	9.678
0.485	17.82	4.925	9.537
0.5697	18.48	5.916	9.281
0.654	18.55	6.92	9.331
0.7382	17.92	7.926	9.569
0.8222	17.86	8.918	9.478
0.9068	17.52	9.927	9.559
0.9909	17.4	10.92	9.466
1.075	16.94	11.93	9.519
1.159	16.68	12.92	9.588
1.243	16.28	13.93	9.425
1.327	16.18	14.92	9.55
1.412	15.38	19.92	9.325
1.496	16.24	24.91	9.378
1.58	15.67	29.92	9.303
1.664	15.54	34.92	9.256
1.748	15.39	39.92	9.578
1.832	15.14	44.92	9.484
1.916	15.09	49.91	9.522
2.	14.55	54.91	9.606
2.084	14.67	59.91	9.378
2.168	14.65	89.91	9.328
2.252	14.39	119.9	9.534
2.336	14.3	149.9	9.431
2.421	14.25	179.9	9.528
2.505	13.74	209.9	9.453
2.589	13.69	239.9	9.403
2.673	13.48	269.9	9.453

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
2.757	13.21	299.9	9.378
2.841	13.27	359.8	9.319
2.925	12.86	419.8	9.181
2.992	13.	479.8	9.366
3.076	12.61	539.8	9.406
3.159	12.78	599.8	9.334
3.244	12.72	659.8	9.322
3.328	12.38	719.8	9.363
3.412	12.35	779.7	9.484
3.506	12.05	839.7	9.419
3.582	12.12	899.7	9.394
3.666	11.63	959.7	9.363
3.75	11.73	1019.7	9.284
3.834	11.4	1079.7	9.341
3.917	11.49	1139.7	9.35
4.001	11.47	1199.6	9.375
4.085	11.09	1259.6	9.431
4.169	10.88	1319.6	9.4
4.253	10.78	1379.6	9.331
4.337	10.82	1439.6	9.425
4.42	10.78	1440.	9.284
4.505	10.45		

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW-49B

X Location: 19. ft
Y Location: 0. ft

Radial distance from RW-2: 19. ft

Fully Penetrating Well

No. of Observations: 105

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.166	0.	4.589	0.976
0.2501	0.03135	4.673	0.964
0.3336	0.09521	4.756	0.9597
0.401	0.1764	4.841	0.9597
0.485	0.2759	4.925	0.95
0.5697	0.4544	5.916	0.8732
0.654	0.5377	6.92	0.8558
0.7382	0.6059	7.926	0.8494
0.8222	0.7357	8.918	0.8484
0.9068	0.7877	9.927	0.8537
0.9909	0.8374	10.92	0.8527
1.075	0.9142	11.93	0.8591
1.159	0.9381	12.92	0.8634
1.243	0.964	13.93	0.8657
1.327	0.99	14.92	0.8688
1.412	1.024	19.92	0.871
1.496	1.041	24.91	0.884
1.58	1.05	29.92	0.8894
1.664	1.059	34.92	0.9025
1.748	1.078	39.92	0.9047
1.832	1.082	44.92	0.9144
1.916	1.085	49.91	0.921
2.	1.088	54.91	0.922
2.084	1.098	59.91	0.9199
2.168	1.097	89.91	0.9406
2.252	1.097	119.9	0.9656

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
2.336	1.103	149.9	0.9861
2.421	1.1	179.9	0.997
2.505	1.098	209.9	1.014
2.589	1.096	239.9	1.021
2.673	1.104	269.9	1.035
2.757	1.097	299.9	1.049
2.841	1.094	359.8	1.051
2.925	1.086	419.8	1.065
2.992	1.082	479.8	1.072
3.076	1.078	539.8	1.067
3.159	1.078	599.8	1.077
3.244	1.069	659.8	1.098
3.328	1.069	719.8	1.122
3.412	1.059	779.7	1.14
3.506	1.058	839.7	1.158
3.582	1.046	899.7	1.179
3.666	1.047	959.7	1.194
3.75	1.037	1019.7	1.216
3.834	1.034	1079.7	1.236
3.917	1.029	1139.7	1.268
4.001	1.02	1199.6	1.304
4.085	1.019	1259.6	1.313
4.169	1.007	1319.6	1.346
4.253	1.004	1379.6	1.363
4.337	0.9964	1439.6	1.389
4.42	0.99	1440.	1.381
4.505	0.9867		

SOLUTION

Pumping Test
Aquifer Model: Unconfined
Solution Method: Neuman

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	255.4	ft^2/day
S	0.0004782	
Sy	0.181	
ß	0.1054	

K = T/b = 23.22 ft/day (0.00819 cm/sec)
Ss = S/b = 4.347E-5 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	255.4	18.24	+/- 36.19	14.	ft^2/day
S	0.0004782	1.593E-5	+/- 3.161E-5	30.02	
Sy	0.181	0.0231	+/- 0.04583	7.836	
ß	0.1054	0.0163	+/- 0.03233	6.466	

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 23.22 ft/day (0.00819 cm/sec)
Ss = S/b = 4.347E-5 1/ft

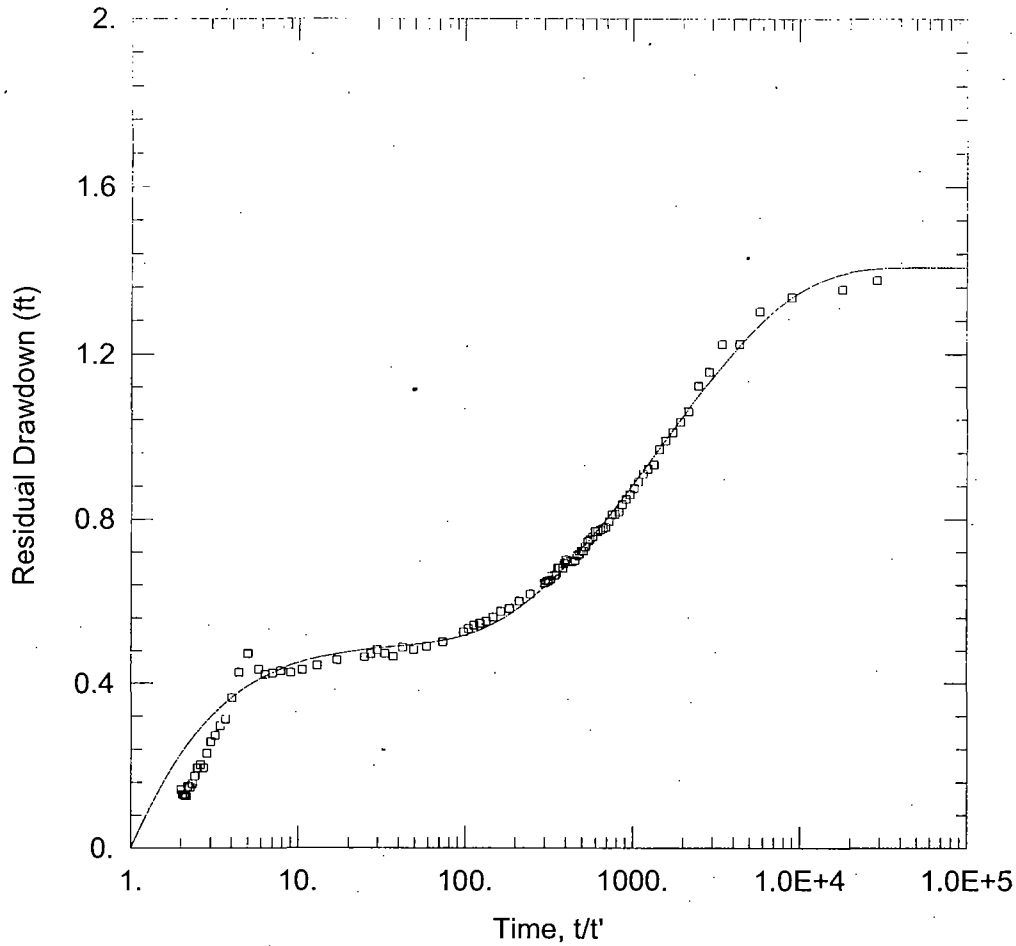
Parameter Correlations

	T	S	Sy	ß
T	1.00	-0.37	-1.00	-0.99
S	-0.37	1.00	0.39	0.33
Sy	-1.00	0.39	1.00	0.98
ß	-0.99	0.33	0.98	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 0.5358 ft^2
Variance . . . . . 0.005305 ft^2
Std. Deviation . . . . . 0.07283 ft
Mean . . . . . -0.001718 ft
No. of Residuals 105
No. of Estimates 4



RW-2 CONSTANT RATE TEST: MW-49B NEUMAN (1974) RECOVERY DATA SOLUTION

Data Set: P:\...\RW-2_MW-49B_Neuman_nonpumping.aqt
Date: 08/16/11 Time: 13:51:00

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-2

AQUIFER DATA

Saturated Thickness: 11. ft

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
RW-2	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
MW-49B	19	0

SOLUTION

Aquifer Model: Unconfined
Solution Method: Neuman

T = 378.1 ft^2/day
S = 0.0004825
Sy = 0.06484
ß = 0.03391

Data Set: P:\EPA AES\Projects\0046 Garvey Elevator RD\Project Data\Pumping Tests\RW-2 Crate Test\RW-2_MW
Title: RW-2 Constant Rate Test: MW-49B Neuman (1974) Recovery Data Solution
Date: 08/16/11
Time: 13:55:14

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-2

AQUIFER DATA

Saturated Thickness: 11. ft
Anisotropy Ratio (Kz/Kr): 0.01137

PUMPING WELL DATA

No. of pumping wells: 1

Pumping Well No. 1: RW-2

X Location: 0. ft
Y Location: 0. ft

Casing Radius: 0.25 ft
Well Radius: 0.25 ft

Fully Penetrating Well

No. of pumping periods: 107

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.08215	13.92	4.589	10.21
0.166	21.8	4.673	10.08
0.2501	20.45	4.756	9.928
0.3336	20.12	4.841	9.678
0.401	19.46	4.925	9.537
0.485	17.82	5.916	9.281
0.5697	18.48	6.92	9.331
0.654	18.55	7.926	9.569
0.7382	17.92	8.918	9.478
0.8222	17.86	9.927	9.559
0.9068	17.52	10.92	9.466
0.9909	17.4	11.93	9.519
1.075	16.94	12.92	9.588
1.159	16.68	13.93	9.425
1.243	16.28	14.92	9.55
1.327	16.18	19.92	9.325
1.412	15.38	24.91	9.378
1.496	16.24	29.92	9.303
1.58	15.67	34.92	9.256
1.664	15.54	39.92	9.578
1.748	15.39	44.92	9.484
1.832	15.14	49.91	9.522
1.916	15.09	54.91	9.606
2.	14.55	59.91	9.378
2.084	14.67	89.91	9.328
2.168	14.65	119.9	9.534
2.252	14.39	149.9	9.431
2.336	14.3	179.9	9.528
2.421	14.25	209.9	9.453
2.505	13.74	239.9	9.403
2.589	13.69	269.9	9.453

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
2.673	13.48	299.9	9.378
2.757	13.21	359.8	9.319
2.841	13.27	419.8	9.181
2.925	12.86	479.8	9.366
2.992	13.	539.8	9.406
3.076	12.61	599.8	9.334
3.159	12.78	659.8	9.322
3.244	12.72	719.8	9.363
3.328	12.38	779.7	9.484
3.412	12.35	839.7	9.419
3.506	12.05	899.7	9.394
3.582	12.12	959.7	9.363
3.666	11.63	1019.7	9.284
3.75	11.73	1079.7	9.341
3.834	11.4	1139.7	9.35
3.917	11.49	1199.6	9.375
4.001	11.47	1259.6	9.431
4.085	11.09	1319.6	9.4
4.169	10.88	1379.6	9.331
4.253	10.78	1439.6	9.425
4.337	10.82	1440.	9.284
4.42	10.78	1440.1	0.
4.505	10.45		

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW-49B

X Location: 19. ft
Y Location: 0. ft

Radial distance from RW-2: 19. ft

Fully Penetrating Well

No. of Observations: 105

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1440.1	1.377	1444.5	0.6535
1440.2	1.356	1444.6	0.6514
1440.2	1.336	1444.7	0.6481
1440.3	1.303	1444.8	0.6491
1440.4	1.225	1444.8	0.6449
1440.5	1.224	1444.9	0.6438
1440.6	1.157	1445.9	0.6178
1440.7	1.123	1446.9	0.6005
1440.7	1.06	1447.9	0.5833
1440.8	1.034	1448.9	0.5757
1440.9	1.009	1449.9	0.5616
1441.	0.9889	1450.9	0.5518
1441.1	0.9683	1451.9	0.5464
1441.2	0.9315	1452.9	0.5421
1441.2	0.9217	1453.9	0.5335
1441.3	0.9097	1454.9	0.5259
1441.4	0.8914	1459.9	0.5011
1441.5	0.8751	1464.9	0.4903
1441.6	0.86	1469.9	0.4828
1441.7	0.8482	1474.9	0.488
1441.7	0.8353	1479.9	0.4656
1441.8	0.8179	1484.9	0.473
1441.9	0.8125	1489.9	0.4815
1442.	0.8114	1494.9	0.4718
1442.1	0.7951	1499.9	0.4643

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1442.2	0.7811	1529.9	0.4568
1442.2	0.7778	1559.9	0.444
1442.3	0.7745	1589.9	0.4333
1442.4	0.7702	1619.9	0.4258
1442.5	0.7712	1649.9	0.4302
1442.6	0.7572	1679.9	0.4248
1442.7	0.7508	1709.9	0.4214
1442.7	0.7465	1739.8	0.4342
1442.8	0.7335	1799.8	0.4731
1442.9	0.7227	1859.8	0.4269
1443.	0.7227	1919.8	0.365
1443.1	0.7143	1979.8	0.3131
1443.2	0.7109	2039.8	0.2966
1443.3	0.6991	2099.8	0.2736
1443.3	0.6969	2159.7	0.258
1443.4	0.6957	2219.7	0.2298
1443.5	0.6967	2279.7	0.1956
1443.6	0.6957	2339.7	0.2025
1443.7	0.7011	2399.7	0.1945
1443.8	0.6924	2459.7	0.1749
1443.8	0.6794	2519.7	0.1566
1443.9	0.6815	2579.7	0.1478
1444.	0.6805	2639.6	0.151
1444.1	0.6805	2699.6	0.1263
1444.2	0.6664	2759.6	0.1283
1444.3	0.6633	2819.6	0.1305
1444.3	0.6622	2879.6	0.1422
1444.4	0.6621		

SOLUTION

Pumping Test
Aquifer Model: Unconfined
Solution Method: Neuman

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	388.1	ft^2/day
S	0.0004673	
Sy	0.05914	
ß	0.03063	

K = T/b = 35.29 ft/day (0.01245 cm/sec)
Ss = S/b = 4.248E-5 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	378.1	10.8	+/- 21.49	35.02	ft^2/day
S	0.0004825	2.644E-5	+/- 5.262E-5	18.25	
Sy	0.06484	0.006809	+/- 0.01355	9.523	
ß	0.03391	0.003785	+/- 0.007532	8.959	

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 34.38 ft/day (0.01213 cm/sec)
Ss = S/b = 4.387E-5 1/ft

Parameter Correlations

	T	S	Sy	ß
T	1.00	-0.70	-0.96	-0.95
S	-0.70	1.00	0.86	0.85
Sy	-0.96	0.86	1.00	0.99
ß	-0.95	0.85	0.99	1.00

Residual Statistics

for weighted residuals

Sum of Squares	0.5116 ft^2
Variance	0.006316 ft^2
Std. Deviation	0.07948 ft
Mean	-0.001428 ft
No. of Residuals	85
No. of Estimates	4

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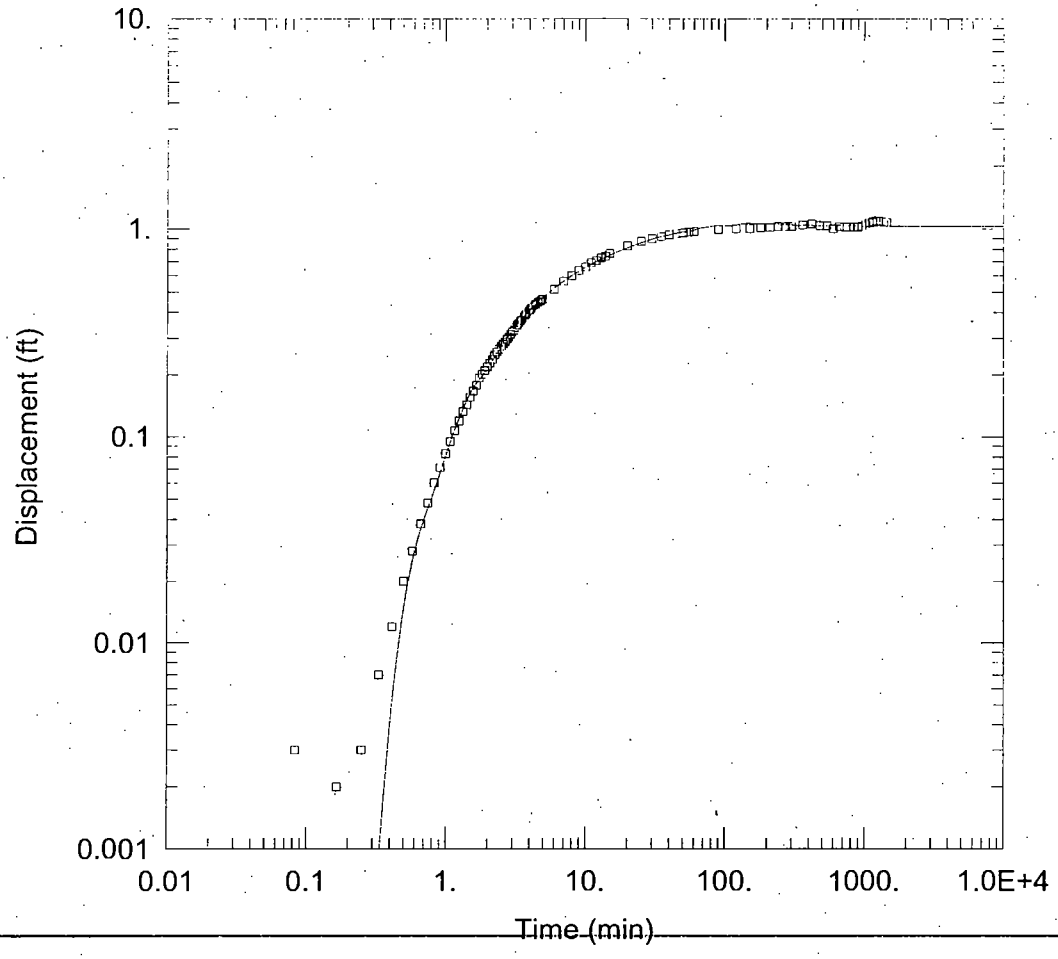
RW-7 CONSTANT RATE TEST



RW-7 CONSTANT RATE TEST: MW-13C HANTUSH-JACOB (1955) ~~AND HANTUSH (1960) SOLUTION~~

Data Set: P:\...\7RW-7_MW-13C_HJwotardstore_draw.aqt
Date: 08/12/11 Time: 12:14:18

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-7

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
RW-7	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
□ MW-13C	102	0

SOLUTION

Aquifer Model: Leaky
Solution Method: Hantush-Jacob

T = 5151.6 ft^2/day
S = 0.0007864
r/B = 0.2009
Kz/Kr = 1.
b = 20.5 ft

Data Set: P:\EPA AES\Projects\0046 Garvey Elevator RD\Project Data\Pumping Tests\RW-7 Crate Test\7RW-7_M
Title: RW-7 Constant Rate Test: MW-13C Hantush-Jacob (1955) and Hantush (1960) Solution
Date: 08/12/11
Time: 12:14:39

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-7

AQUIFER DATA

Saturated Thickness: 20.5 ft
Anisotropy Ratio (Kz/Kr): 1.
Aquitard Thickness (b'): 1. ft
Aquitard Thickness (b"): 1. ft

PUMPING WELL DATA

No. of pumping wells: 1

Pumping Well No. 1: RW-7

X Location: 0. ft
Y Location: 0. ft

Casing Radius: 0.333 ft
Well Radius: 0.5 ft

Partially Penetrating Well
Depth to Top of Screen: 5.5 ft
Depth to Bottom of Screen: 20.5 ft

No. of pumping periods: 105

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.1567	28.81	4.591	100.5
0.2409	104.	4.675	102.
0.3246	85.92	4.759	102.5
0.4084	55.84	4.842	101.6
0.4922	41.83	4.927	101.8
0.5758	68.39	5.915	101.5
0.6597	89.69	6.922	102.7
0.7436	98.01	7.93	100.1
0.8274	104.4	8.922	101.5
0.9109	93.59	9.915	101.2
0.9946	93.02	10.92	101.1
1.078	97.82	11.92	100.8
1.162	100.9	12.92	100.4
1.246	99.67	13.91	100.8
1.33	85.5	14.92	100.8
1.414	62.75	19.93	100.7
1.497	71.4	24.92	101.1
1.581	86.4	29.91	101.2
1.665	94.48	34.92	100.2
1.749	96.54	39.92	101.
1.834	95.67	44.92	101.3
1.917	94.89	49.91	100.3
2.001	98.12	54.92	99.87
2.085	100.8	59.91	102.5
2.17	101.6	89.9	100.7
2.254	101.8	119.9	103.2
2.337	101.2	149.9	101.6

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
2.421	101.5	179.9	101.4
2.505	101.8	209.9	101.7
2.588	102.3	239.9	100.6
2.672	101.5	269.9	101.
2.756	103.2	299.9	99.53
2.839	103.3	359.8	100.4
2.923	102.7	419.8	99.19
3.007	103.9	479.8	99.6
3.09	102.4	539.8	100.
3.174	103.1	599.8	100.2
3.257	102.5	659.8	99.5
3.342	102.1	719.8	99.55
3.425	102.7	779.7	100.5
3.509	103.	839.7	99.4
3.593	102.7	899.7	99.64
3.677	102.3	959.7	98.17
3.744	102.3	1019.7	99.23
3.83	101.5	1079.7	98.11
3.914	101.	1139.7	99.16
3.997	103.2	1199.6	99.
4.08	102.6	1259.6	100.6
4.164	101.7	1319.6	99.93
4.247	101.5	1379.6	98.71
4.331	102.2	1439.6	97.8
4.414	102.	1440.	99.08
4.498	100.8		

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW-13C

X Location: 102. ft
Y Location: 0. ft

Radial distance from RW-7: 102. ft

Partially Penetrating Well
Depth to Top of Screen: 2. ft
Depth to Bottom of Screen: 4.5 ft

No. of Observations: 106

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.08333	0.003	4.5	0.441
0.1667	0.002	4.583	0.446
0.25	0.003	4.667	0.448
0.3333	0.007	4.75	0.452
0.4167	0.012	4.833	0.457
0.5	0.02	4.917	0.461
0.5833	0.028	5.	0.463
0.6667	0.038	6.	0.514
0.75	0.048	7.	0.562
0.8333	0.06	8.	0.599
0.9167	0.071	9.	0.633
1.	0.083	10.	0.658
1.083	0.095	11.	0.689
1.167	0.107	12.	0.704
1.25	0.119	13.	0.728
1.333	0.132	14.	0.74
1.417	0.142	15.	0.763
1.5	0.155	20.	0.83
1.583	0.166	25.	0.871
1.667	0.177	30.	0.896

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.75	0.193	35.	0.918
1.833	0.201	40.	0.936
1.917	0.21	45.	0.948
2.	0.219	50.	0.955
2.083	0.228	55.	0.966
2.167	0.238	60.	0.971
2.25	0.25	90.	0.994
2.333	0.258	120.	1.003
2.417	0.266	150.	1.003
2.5	0.275	180.	1.013
2.583	0.282	210.	1.016
2.667	0.288	240.	1.025
2.75	0.297	270.	1.025
2.833	0.304	300.	1.026
2.917	0.314	360.	1.044
3.	0.322	420.	1.055
3.083	0.328	480.	1.038
3.167	0.338	540.	1.035
3.25	0.347	600.	1.003
3.333	0.355	660.	1.024
3.417	0.363	720.	1.021
3.5	0.369	780.	1.018
3.583	0.377	840.	1.022
3.667	0.384	900.	1.021
3.75	0.39	960.	1.035
3.833	0.397	1020.	1.053
3.917	0.403	1080.	1.068
4.	0.409	1140.	1.078
4.083	0.415	1200.	1.094
4.167	0.422	1260.	1.095
4.25	0.428	1320.	1.087
4.333	0.433	1380.	1.075
4.417	0.437	1440.	1.075

SOLUTION

Pumping Test
Aquifer Model: Leaky
Solution Method: Hantush-Jacob

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	5151.6"	ft^2/day
S	0.0007864	
r/B	0.2009	
Kz/Kr	1.	
b	20.5	ft

K = T/b = 251.3 ft/day (0.08865 cm/sec)
Ss = S/b = 3.836E-5 1/ft
K'/b' = 1.388E-5 min^{-1}
K' = 0.01999 ft/day

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	5151.6	114.	+/- 226.2	45.17	ft^2/day
S	0.0007864	1.344E-5	+/- 2.666E-5	58.5	
r/B	0.2009	0.00852	+/- 0.01689	23.58	
Kz/Kr	1.	not estimated			
b	20.5	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 251.3 ft/day (0.08865 cm/sec)
Ss = S/b = 3.836E-5 1/ft
K'/b' = 1.388E-5 min^{-1}
K' = 0.01999 ft/day

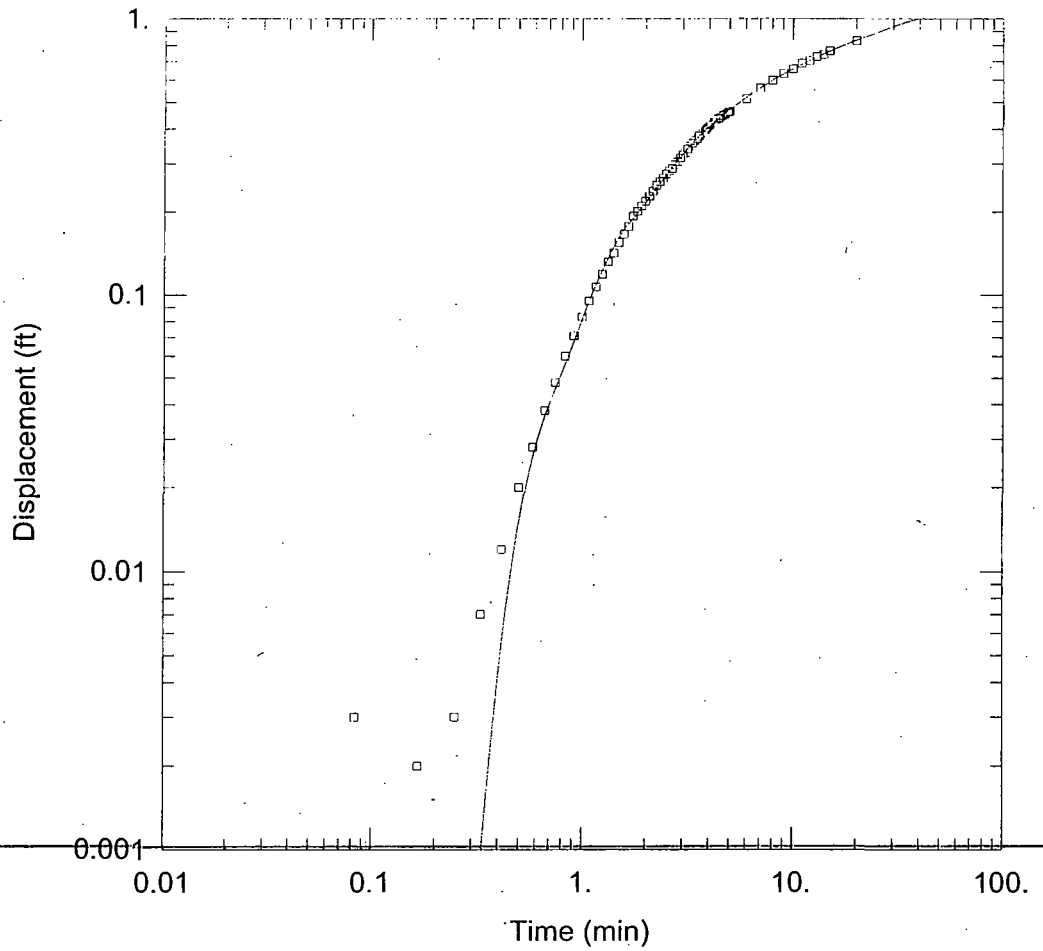
Parameter Correlations

	T	S	r/B
T	1.00	-0.77	-0.99
S	-0.77	1.00	0.74
r/B	-0.99	0.74	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 0.0367 ft^2
Variance . . . . . 0.0003563 ft^2
Std. Deviation . . . . . 0.01888 ft
Mean . . . . . 0.0003689 ft
No. of Residuals 106
No. of Estimates 3



RW-7 CONSTANT RATE TEST: MW-13C HANTUSH (1960) EARLY TIME SOLUTION

Data Set: P:\...\7RW-7_MW-13C_Han_earlydata solution.aqt
Date: 08/12/11 Time: 12:12:52

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-7

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
RW-7	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
MW-13C	102	0

SOLUTION

Aquifer Model: Leaky
Solution Method: Hantush

T = 4789.7 ft^2/day
S = 0.0007207
ß = 0.04105
Kz/Kr = 1.
b = 20.5 ft

Data Set: P:\EPA AES\Projects\0046 Garvey Elevator RD\Project Data\Pumping Tests\RW-7 Crate Test\7RW-7_M
Title: RW-7 Constant Rate Test: MW-13C Hantush (1960) Early Time Solution
Date: 08/12/11
Time: 12:12:28

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-7

AQUIFER DATA

Saturated Thickness: 20.5 ft
Anisotropy Ratio (Kz/Kr): 1.
Aquitard Thickness (b'): 1. ft
Aquitard Thickness (b"): 1. ft

PUMPING WELL DATA

No. of pumping wells: 1

Pumping Well No. 1: RW-7

X Location: 0. ft
Y Location: 0. ft

Casing Radius: 0.333 ft
Well Radius: 0.5 ft

Partially Penetrating Well
Depth to Top of Screen: 5.5 ft
Depth to Bottom of Screen: 20.5 ft

No. of pumping periods: 105

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.1567	28.81	4.591	100.5
0.2409	104.	4.675	102.
0.3246	85.92	4.759	102.5
0.4084	55.84	4.842	101.6
0.4922	41.83	4.927	101.8
0.5758	68.39	5.915	101.5
0.6597	89.69	6.922	102.7
0.7436	98.01	7.93	100.1
0.8274	104.4	8.922	101.5
0.9109	93.59	9.915	101.2
0.9946	93.02	10.92	101.1
1.078	97.82	11.92	100.8
1.162	100.9	12.92	100.4
1.246	99.67	13.91	100.8
1.33	85.5	14.92	100.8
1.414	62.75	19.93	100.7
1.497	71.4	24.92	101.1
1.581	86.4	29.91	101.2
1.665	94.48	34.92	100.2
1.749	96.54	39.92	101.
1.834	95.67	44.92	101.3
1.917	94.89	49.91	100.3
2.001	98.12	54.92	99.87
2.085	100.8	59.91	102.5
2.17	101.6	89.9	100.7
2.254	101.8	119.9	103.2
2.337	101.2	149.9	101.6

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
2.421	101.5	179.9	101.4
2.505	101.8	209.9	101.7
2.588	102.3	239.9	100.6
2.672	101.5	269.9	101.
2.756	103.2	299.9	99.53
2.839	103.3	359.8	100.4
2.923	102.7	419.8	99.19
3.007	103.9	479.8	99.6
3.09	102.4	539.8	100.
3.174	103.1	599.8	100.2
3.257	102.5	659.8	99.5
3.342	102.1	719.8	99.55
3.425	102.7	779.7	100.5
3.509	103.	839.7	99.4
3.593	102.7	899.7	99.64
3.677	102.3	959.7	98.17
3.744	102.3	1019.7	99.23
3.83	101.5	1079.7	98.11
3.914	101.	1139.7	99.16
3.997	103.2	1199.6	99.
4.08	102.6	1259.6	100.6
4.164	101.7	1319.6	99.93
4.247	101.5	1379.6	98.71
4.331	102.2	1439.6	97.8
4.414	102.	1440.	99.08
4.498	100.8		

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW-13C

X Location: 102. ft
Y Location: 0. ft

Radial distance from RW-7: 102. ft

Partially Penetrating Well
Depth to Top of Screen: 2. ft
Depth to Bottom of Screen: 4.5 ft

No. of Observations: 71

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.08333	0.003	3.083	0.328
0.1667	0.002	3.167	0.338
0.25	0.003	3.25	0.347
0.3333	0.007	3.333	0.355
0.4167	0.012	3.417	0.363
0.5	0.02	3.5	0.369
0.5833	0.028	3.583	0.377
0.6667	0.038	3.667	0.384
0.75	0.048	3.75	0.39
0.8333	0.06	3.833	0.397
0.9167	0.071	3.917	0.403
1.	0.083	4.	0.409
1.083	0.095	4.083	0.415
1.167	0.107	4.167	0.422
1.25	0.119	4.25	0.428
1.333	0.132	4.333	0.433
1.417	0.142	4.417	0.437
1.5	0.155	4.5	0.441
1.583	0.166	4.583	0.446
1.667	0.177	4.667	0.448

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.75	0.193	4.75	0.452
1.833	0.201	4.833	0.457
1.917	0.21	4.917	0.461
2.	0.219	5.	0.463
2.083	0.228	6.	0.514
2.167	0.238	7.	0.562
2.25	0.25	8.	0.599
2.333	0.258	9.	0.633
2.417	0.266	10.	0.658
2.5	0.275	11.	0.689
2.583	0.282	12.	0.704
2.667	0.288	13.	0.728
2.75	0.297	14.	0.74
2.833	0.304	15.	0.763
2.917	0.314	20.	0.83
3.	0.322		

SOLUTION

Pumping Test
Aquifer Model: Leaky
Solution Method: Hantush

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	4789.7	ft^2/day
S	0.0007207	
ß	0.04105	
Kz/Kr	1.	
b	20.5	ft

K = T/b = 233.6 ft/day (0.08243 cm/sec)
Ss = S/b = 3.515E-5 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	4789.7	228.3	+/- 455.5	20.98	ft^2/day
S	0.0007207	2.161E-5	+/- 4.311E-5	33.35	
ß	0.04105	0.01374	+/- 0.02741	2.988	
Kz/Kr	1.	not estimated			
b	20.5	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 233.6 ft/day (0.08243 cm/sec)
Ss = S/b = 3.515E-5 1/ft

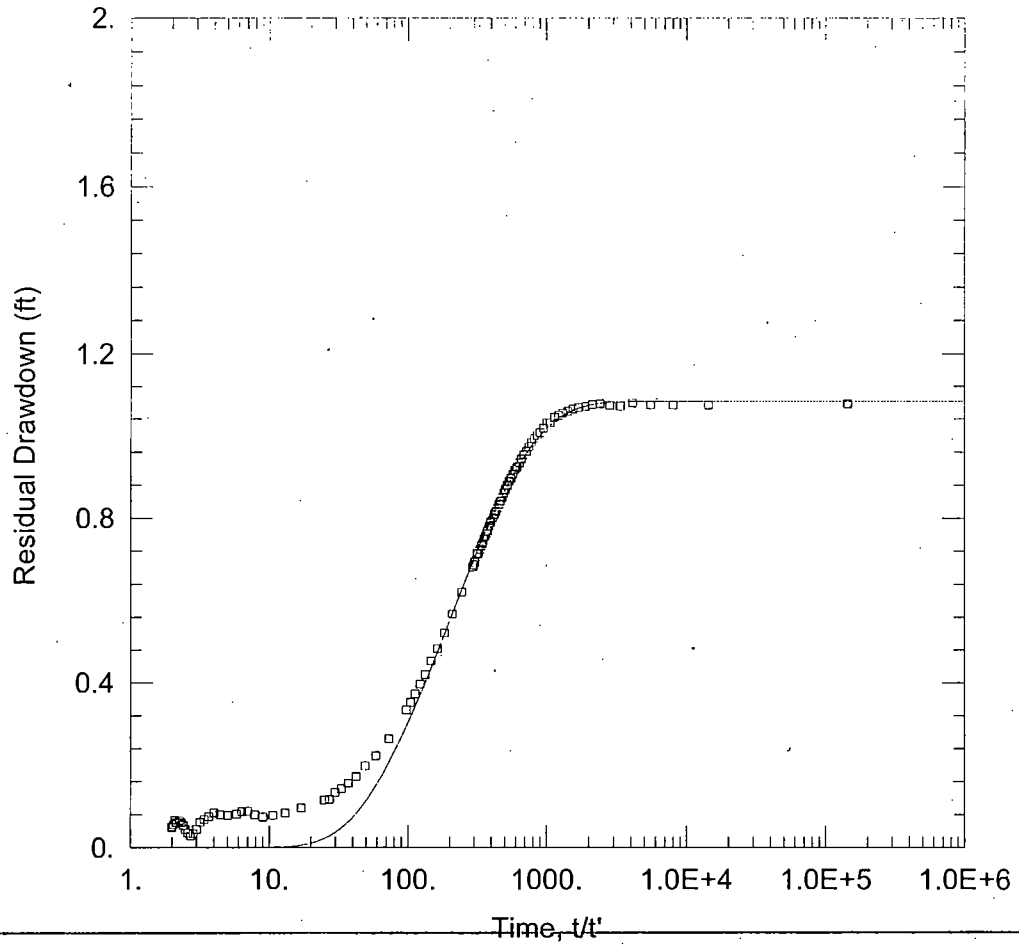
Parameter Correlations

	T	S	ß
T	1.00	0.98	-1.00
S	0.98	1.00	-0.99
ß	-1.00	-0.99	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 0.0008489 ft^2
Variance . . . . . 1.248E-5 ft^2
Std. Deviation . . . . . 0.003533 ft
Mean . . . . . 0.0004245 ft
No. of Residuals 71
No. of Estimates 3



RW-7 CONSTANT RATE TEST: MW-13C H-J (1955), ~~HANTUSH (1960)~~ RECOVERY DATA SOLUTION

Data Set: P:\...\7RW-7_MW-13C_HJwotardstore_recov_diswght.aqt
Date: 08/12/11 Time: 12:27:44

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-7

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
RW-7	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
MW-13C	102	0

SOLUTION

Aquifer Model: Leaky
Solution Method: Hantush-Jacob

T = 2305.5 ft^2/day
r/B = 0.5653
b = 20.5 ft

S = 0.001299
Kz/Kr = 1.

Data Set: P:\EPA AES\Projects\0046 Garvey Elevator RD\Project Data\Pumping Tests\RW-7 Crate Test\7RW-7_M
Title: RW-7 Constant Rate Test: MW-13C H-J (1955),Hantush (1960) Recovery Data Solution
Date: 08/12/11
Time: 12:27:23

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-7

AQUIFER DATA

Saturated Thickness: 20.5 ft
Anisotropy Ratio (Kz/Kr): 1.
Aquitard Thickness (b'): 1. ft
Aquitard Thickness (b''): 1. ft

PUMPING WELL DATA

No. of pumping wells: 1

Pumping Well No. 1: RW-7

X Location: 0. ft
Y Location: 0. ft

Casing Radius: 0.333 ft
Well Radius: 0.5 ft

Partially Penetrating Well
Depth to Top of Screen: 5.5 ft
Depth to Bottom of Screen: 20.5 ft

No. of pumping periods: 106

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.1567	28.81	4.591	100.5
0.2409	104.	4.675	102.
0.3246	85.92	4.759	102.5
0.4084	55.84	4.842	101.6
0.4922	41.83	4.927	101.8
0.5758	68.39	5.915	101.5
0.6597	89.69	6.922	102.7
0.7436	98.01	7.93	100.1
0.8274	104.4	8.922	101.5
0.9109	93.59	9.915	101.2
0.9946	93.02	10.92	101.1
1.078	97.82	11.92	100.8
1.162	100.9	12.92	100.4
1.246	99.67	13.91	100.8
1.33	85.5	14.92	100.8
1.414	62.75	19.93	100.7
1.497	71.4	24.92	101.1
1.581	86.4	29.91	101.2
1.665	94.48	34.92	100.2
1.749	96.54	39.92	101.
1.834	95.67	44.92	101.3
1.917	94.89	49.91	100.3
2.001	98.12	54.92	99.87
2.085	100.8	59.91	102.5
2.17	101.6	89.9	100.7
2.254	101.8	119.9	103.2
2.337	101.2	149.9	101.6

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
2.421	101.5	179.9	101.4
2.505	101.8	209.9	101.7
2.588	102.3	239.9	100.6
2.672	101.5	269.9	101.
2.756	103.2	299.9	99.53
2.839	103.3	359.8	100.4
2.923	102.7	419.8	99.19
3.007	103.9	479.8	99.6
3.09	102.4	539.8	100.
3.174	103.1	599.8	100.2
3.257	102.5	659.8	99.5
3.342	102.1	719.8	99.55
3.425	102.7	779.7	100.5
3.509	103.	839.7	99.4
3.593	102.7	899.7	99.64
3.677	102.3	959.7	98.17
3.744	102.3	1019.7	99.23
3.83	101.5	1079.7	98.11
3.914	101.	1139.7	99.16
3.997	103.2	1199.6	99.
4.08	102.6	1259.6	100.6
4.164	101.7	1319.6	99.93
4.247	101.5	1379.6	98.71
4.331	102.2	1439.6	97.8
4.414	102.	1440.	99.08
4.498	100.8	1440.1	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW-13C

X Location: 102. ft
Y Location: 0. ft

Radial distance from RW-7: 102. ft

Partially Penetrating Well
Depth to Top of Screen: 2. ft
Depth to Bottom of Screen: 4.5 ft

No. of Observations: 106

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1440.1	1.076	1444.5	0.72
1440.2	1.073	1444.6	0.713
1440.3	1.073	1444.7	0.714
1440.3	1.073	1444.8	0.698
1440.4	1.078	1444.8	0.693
1440.5	1.07	1444.9	0.687
1440.6	1.072	1445.	0.682
1440.7	1.076	1446.	0.621
1440.8	1.074	1447.	0.568
1440.8	1.07	1448.	0.522
1440.9	1.067	1449.	0.483
1441.	1.063	1450.	0.453
1441.1	1.058	1451.	0.42
1441.2	1.053	1452.	0.397
1441.3	1.048	1453.	0.373
1441.3	1.043	1454.	0.352
1441.4	1.03	1455.	0.334
1441.5	1.03	1460.	0.264
1441.6	1.017	1465.	0.222
1441.7	1.006	1470.	0.198

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1441.8	0.999	1475.	0.172
1441.8	0.992	1480.	0.156
1441.9	0.982	1485.	0.142
1442.	0.972	1490.	0.133
1442.1	0.961	1495.	0.117
1442.2	0.953	1500.	0.115
1442.3	0.943	1530.	0.096
1442.3	0.933	1560.	0.084
1442.4	0.923	1590.	0.078
1442.5	0.918	1620.	0.074
1442.6	0.906	1650.	0.079
1442.7	0.896	1680.	0.088
1442.8	0.889	1710.	0.087
1442.8	0.879	1740.	0.081
1442.9	0.87	1800.	0.078
1443.	0.861	1860.	0.08
1443.1	0.849	1920.	0.084
1443.2	0.841	1980.	0.075
1443.3	0.833	2040.	0.068
1443.3	0.824	2100.	0.061
1443.4	0.816	2160.	0.044
1443.5	0.809	2220.	0.033
1443.6	0.801	2280.	0.028
1443.7	0.794	2340.	0.035
1443.8	0.789	2400.	0.043
1443.8	0.78	2460.	0.054
1443.9	0.768	2520.	0.06
1444.	0.762	2580.	0.065
1444.1	0.755	2640.	0.06
1444.2	0.748	2700.	0.06
1444.3	0.738	2760.	0.066
1444.3	0.733	2820.	0.055
1444.4	0.724	2880.	0.049

SOLUTION

Pumping Test
Aquifer Model: Leaky
Solution Method: Hantush-Jacob

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	2305.5	ft^2/day
S	0.001299	
r/B	0.5653	
Kz/Kr	1.	
b	20.5	ft

K = T/b = 112.5 ft/day (0.03967 cm/sec)
Ss = S/b = 6.336E-5 1/ft
K'/b' = 4.917E-5 min^{-1}
K'= 0.07081 ft/day

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	2305.5	66.28	+/- 131.4	34.78	ft^2/day
S	0.001299	1.161E-5	+/- 2.303E-5	111.8	
r/B	0.5653	0.01731	+/- 0.03433	32.65	
Kz/Kr	1.	not estimated			
b	20.5	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 112.5 ft/day (0.03967 cm/sec)
Ss = S/b = 6.336E-5 1/ft
K'/b' = 4.917E-5 min^{-1}
K' = 0.07081 ft/day

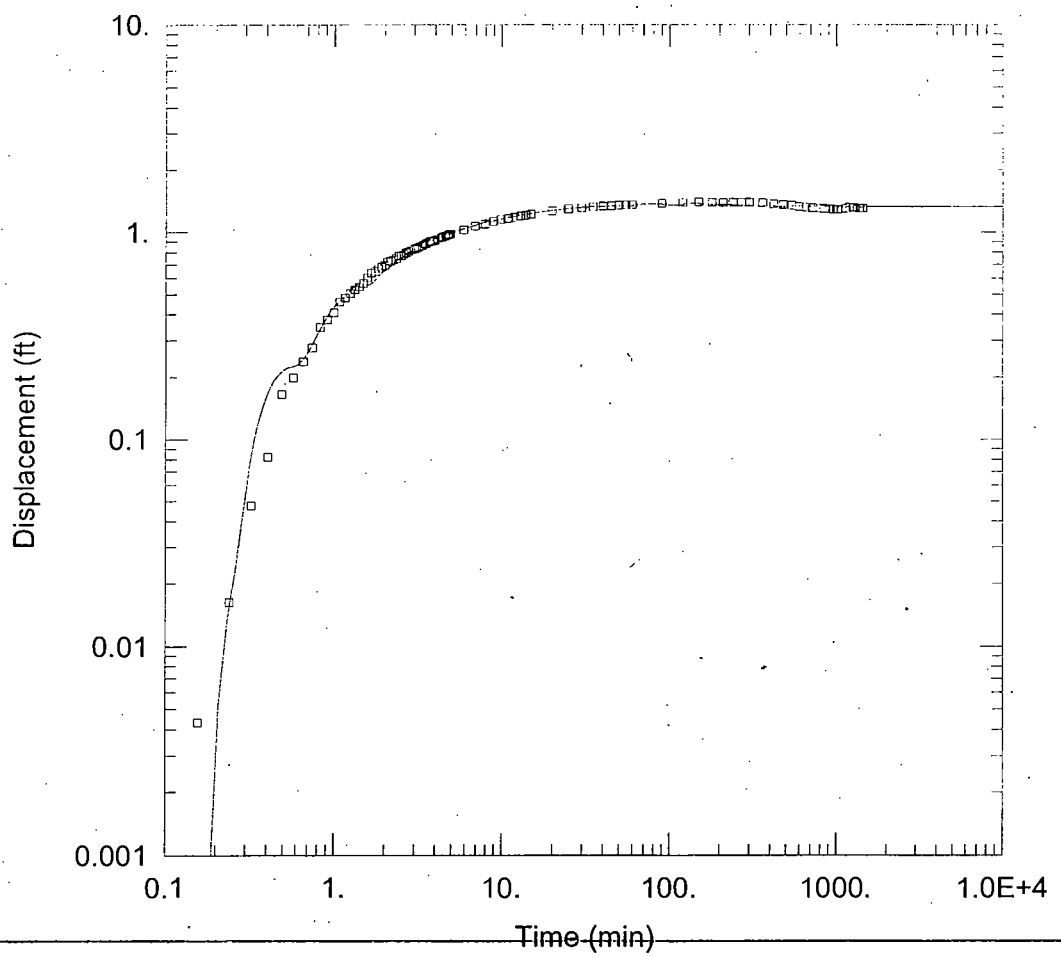
Parameter Correlations

	T	S	r/B
T	1.00	0.45	-1.00
S	0.45	1.00	-0.41
r/B	-1.00	-0.41	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 0.005873 ft^2
Variance . . . . . 5.702E-5 ft^2
Std. Deviation . . . . . 0.007551 ft
Mean . . . . . 0.002395 ft
No. of Residuals 106
No. of Estimates 3



RW-7 CONSTANT RATE TEST: MW-50C HANTUSH-JACOB (1955) ~~AND HANTUSH (1960)~~ SOLUTION

Data Set: P:\...\7RW-7_MW-50C_HJleaky_wotardstorage_draw.aqt
Date: 08/12/11 Time: 12:18:09

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-7

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
RW-7	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW-50C	65.5	0

SOLUTION

Aquifer Model: Leaky
Solution Method: Hantush-Jacob

T = 4875.9 ft^2/day
S = 0.0003043
r/B = 0.1359
Kz/Kr = 1.
b = 20.5 ft

Data Set: P:\EPA AES\Projects\0046 Garvey Elevator RD\Project Data\Pumping Tests\RW-7 Crate Test\7RW-7_M
Title: RW-7 Constant Rate Test: MW-50C Hantush-Jacob (1955) and Hantush (1960) Solution
Date: 08/12/11
Time: 12:18:35

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-7

AQUIFER DATA

Saturated Thickness: 20.5 ft
Anisotropy Ratio (Kz/Kr): 1.
Aquitard Thickness (b'): 1. ft
Aquitard Thickness (b"): 1. ft

PUMPING WELL DATA

No. of pumping wells: 1

Pumping Well No. 1: RW-7

X Location: 0. ft
Y Location: 0. ft

Casing Radius: 0.333 ft
Well Radius: 0.5 ft

Partially Penetrating Well
Depth to Top of Screen: 5.5 ft
Depth to Bottom of Screen: 20.5 ft

No. of pumping periods: 105

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.1567	28.81	4.591	100.5
0.2409	104.	4.675	102.
0.3246	85.92	4.759	102.5
0.4084	55.84	4.842	101.6
0.4922	41.83	4.927	101.8
0.5758	68.39	5.915	101.5
0.6597	89.69	6.922	102.7
0.7436	98.01	7.93	100.1
0.8274	104.4	8.922	101.5
0.9109	93.59	9.915	101.2
0.9946	93.02	10.92	101.1
1.078	97.82	11.92	100.8
1.162	100.9	12.92	100.4
1.246	99.67	13.91	100.8
1.33	85.5	14.92	100.8
1.414	62.75	19.93	100.7
1.497	71.4	24.92	101.1
1.581	86.4	29.91	101.2
1.665	94.48	34.92	100.2
1.749	96.54	39.92	101.
1.834	95.67	44.92	101.3
1.917	94.89	49.91	100.3
2.001	98.12	54.92	99.87
2.085	100.8	59.91	102.5
2.17	101.6	89.9	100.7
2.254	101.8	119.9	103.2
2.337	101.2	149.9	101.6

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
2.421	101.5	179.9	101.4
2.505	101.8	209.9	101.7
2.588	102.3	239.9	100.6
2.672	101.5	269.9	101.
2.756	103.2	299.9	99.53
2.839	103.3	359.8	100.4
2.923	102.7	419.8	99.19
3.007	103.9	479.8	99.6
3.09	102.4	539.8	100.
3.174	103.1	599.8	100.2
3.257	102.5	659.8	99.5
3.342	102.1	719.8	99.55
3.425	102.7	779.7	100.5
3.509	103.	839.7	99.4
3.593	102.7	899.7	99.64
3.677	102.3	959.7	98.17
3.744	102.3	1019.7	99.23
3.83	101.5	1079.7	98.11
3.914	101.	1139.7	99.16
3.997	103.2	1199.6	99.
4.08	102.6	1259.6	100.6
4.164	101.7	1319.6	99.93
4.247	101.5	1379.6	98.71
4.331	102.2	1439.6	97.8
4.414	102.	1440.	99.08
4.498	100.8		

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW-50C

X Location: 65.5 ft
Y Location: 0. ft

Radial distance from RW-7: 65.5 ft

Partially Penetrating Well
Depth to Top of Screen: 4.3 ft
Depth to Bottom of Screen: 14.3 ft

No. of Observations: 105

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.1567	0.004328	4.591	0.9564
0.2409	0.01625	4.675	0.9608
0.3246	0.04761	4.759	0.9684
0.4084	0.08222	4.842	0.9737
0.4922	0.1645	4.927	0.977
0.5758	0.1991	5.915	1.025
0.6597	0.238	6.922	1.068
0.7436	0.277	7.93	1.094
0.8274	0.3462	8.922	1.125
0.9109	0.3765	9.915	1.15
0.9946	0.4068	10.92	1.163
1.078	0.4598	11.92	1.176
1.162	0.4804	12.92	1.194
1.246	0.5053	13.91	1.203
1.33	0.5269	14.92	1.22
1.414	0.5453	19.93	1.265
1.497	0.5659	24.92	1.292
1.581	0.6016	29.91	1.308
1.665	0.6362	34.92	1.321
1.749	0.6492	39.92	1.333

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.834	0.6665	44.92	1.338
1.917	0.6795	49.91	1.347
2.001	0.6924	54.92	1.352
2.085	0.7184	59.91	1.357
2.17	0.7271	89.9	1.376
2.254	0.7357	119.9	1.389
2.337	0.7477	149.9	1.395
2.421	0.7693	179.9	1.391
2.505	0.7693	209.9	1.389
2.588	0.7823	239.9	1.391
2.672	0.7953	269.9	1.393
2.756	0.8039	299.9	1.391
2.839	0.8126	359.8	1.384
2.923	0.8255	419.8	1.369
3.007	0.8299	479.8	1.359
3.09	0.8385	539.8	1.346
3.174	0.8472	599.8	1.327
3.257	0.8515	659.8	1.316
3.342	0.8602	719.8	1.307
3.425	0.8699	779.7	1.303
3.509	0.8775	839.7	1.298
3.593	0.8861	899.7	1.29
3.677	0.8991	959.7	1.287
3.744	0.9034	1019.7	1.283
3.83	0.9034	1079.7	1.295
3.914	0.9078	1139.7	1.3
3.997	0.9121	1199.6	1.318
4.08	0.9208	1259.6	1.31
4.164	0.9294	1319.6	1.312
4.247	0.9305	1379.6	1.301
4.331	0.9391	1439.6	1.299
4.414	0.9467	1440.	1.303
4.498	0.9521		

SOLUTION

Pumping Test
Aquifer Model: Leaky
Solution Method: Hantush-Jacob

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	4875.9	ft^2/day
S	0.0003043	
r/B	0.1359	
Kz/Kr	1.	
b	20.5	ft

K = T/b = 237.9 ft/day (0.08391 cm/sec)
Ss = S/b = 1.484E-5 1/ft
K'/b' = 1.458E-5 min^{-1}
K' = 0.02099 ft/day

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	4875.9	127.5	+/- 252.8	38.25	ft^2/day
S	0.0003043	1.251E-5	+/- 2.48E-5	24.33	
r/B	0.1359	0.007981	+/- 0.01583	17.03	
Kz/Kr	1.	not estimated			
b	20.5	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 237.9 ft/day (0.08391 cm/sec)
Ss = S/b = 1.484E-5 1/ft
K'/b' = 1.458E-5 min^{-1}
K' = 0.02099 ft/day

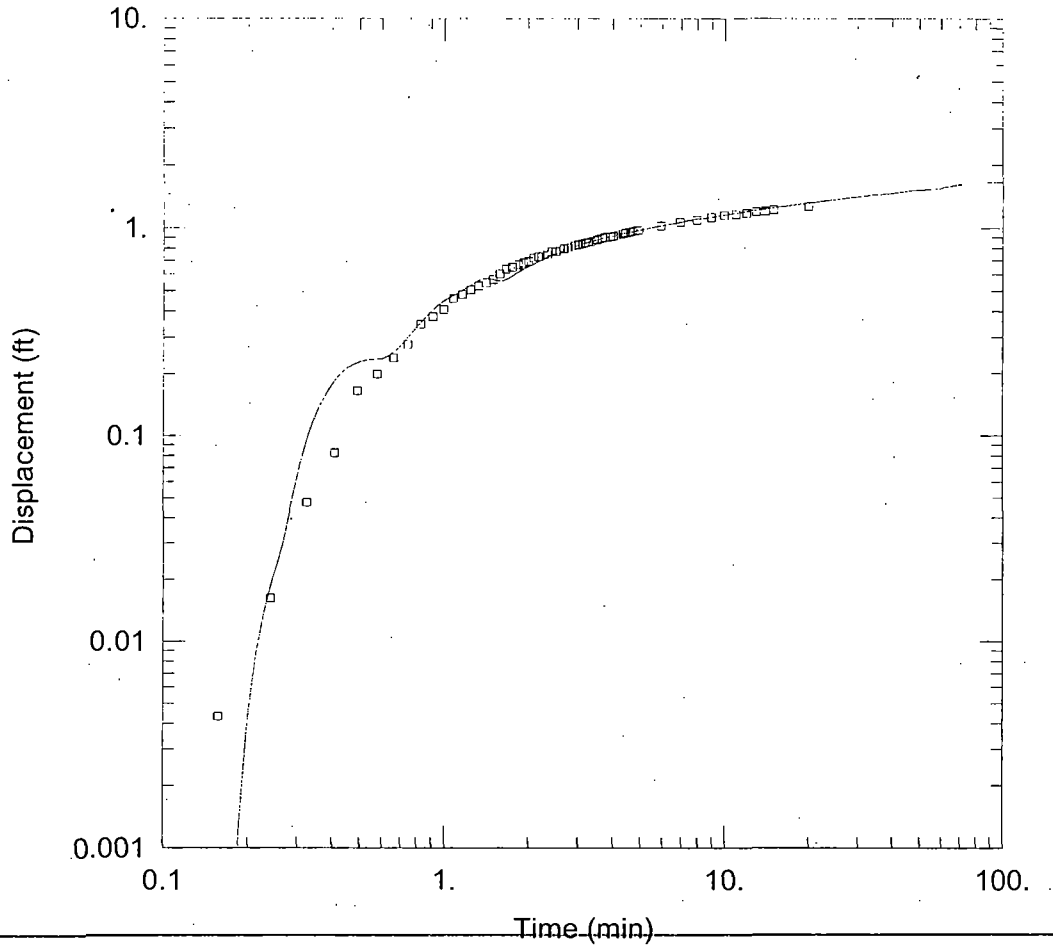
Parameter Correlations

	T	S	r/B
T	1.00	-0.94	-0.99
S	-0.94	1.00	0.93
r/B	-0.99	0.93	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 0.07128 ft^2
Variance . . . . . 0.0006988 ft^2
Std. Deviation . . . . . 0.02643 ft
Mean . . . . . -0.0003989 ft
No. of Residuals 105
No. of Estimates 3



RW-7 CONSTANT RATE TEST: MW-50C HANTUSH (1960) EARLY TIME SOLUTION

Data Set: P:\...\7RW-7_MW-50C_Han_earlydata solution.aqt
Date: 08/12/11 Time: 12:16:04

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-7

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
RW-7	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
MW-50C	65.5	0

SOLUTION

Aquifer Model: Leaky
Solution Method: Hantush

T = 4110.6 ft^2/day
S = 0.0002315
ß = 0.07846
Kz/Kr = 1.
b = 20.5 ft

Data Set: P:\EPA AES\Projects\0046 Garvey Elevator RD\Project Data\Pumping Tests\RW-7 Crate Test\7RW-7_M
Title: RW-7 Constant Rate Test: MW-50C Hantush (1960) Early Time Solution
Date: 08/12/11
Time: 12:16:27

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-7

AQUIFER DATA

Saturated Thickness: 20.5 ft
Anisotropy Ratio (Kz/Kr): 1.
Aquitard Thickness (b'): 1. ft
Aquitard Thickness (b''): 1. ft

PUMPING WELL DATA

No. of pumping wells: 1

Pumping Well No. 1: RW-7

X Location: 0. ft
Y Location: 0. ft

Casing Radius: 0.333 ft
Well Radius: 0.5 ft

Partially Penetrating Well
Depth to Top of Screen: 5.5 ft
Depth to Bottom of Screen: 20.5 ft

No. of pumping periods: 105

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.1567	28.81	4.591	100.5
0.2409	104.	4.675	102.
0.3246	85.92	4.759	102.5
0.4084	55.84	4.842	101.6
0.4922	41.83	4.927	101.8
0.5758	68.39	5.915	101.5
0.6597	89.69	6.922	102.7
0.7436	98.01	7.93	100.1
0.8274	104.4	8.922	101.5
0.9109	93.59	9.915	101.2
0.9946	93.02	10.92	101.1
1.078	97.82	11.92	100.8
1.162	100.9	12.92	100.4
1.246	99.67	13.91	100.8
1.33	85.5	14.92	100.8
1.414	62.75	19.93	100.7
1.497	71.4	24.92	101.1
1.581	86.4	29.91	101.2
1.665	94.48	34.92	100.2
1.749	96.54	39.92	101.
1.834	95.67	44.92	101.3
1.917	94.89	49.91	100.3
2.001	98.12	54.92	99.87
2.085	100.8	59.91	102.5
2.17	101.6	89.9	100.7
2.254	101.8	119.9	103.2
2.337	101.2	149.9	101.6

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
2.421	101.5	179.9	101.4
2.505	101.8	209.9	101.7
2.588	102.3	239.9	100.6
2.672	101.5	269.9	101.
2.756	103.2	299.9	99.53
2.839	103.3	359.8	100.4
2.923	102.7	419.8	99.19
3.007	103.9	479.8	99.6
3.09	102.4	539.8	100.
3.174	103.1	599.8	100.2
3.257	102.5	659.8	99.5
3.342	102.1	719.8	99.55
3.425	102.7	779.7	100.5
3.509	103.	839.7	99.4
3.593	102.7	899.7	99.64
3.677	102.3	959.7	98.17
3.744	102.3	1019.7	99.23
3.83	101.5	1079.7	98.11
3.914	101.	1139.7	99.16
3.997	103.2	1199.6	99.
4.08	102.6	1259.6	100.6
4.164	101.7	1319.6	99.93
4.247	101.5	1379.6	98.71
4.331	102.2	1439.6	97.8
4.414	102.	1440.	99.08
4.498	100.8		

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW-50C

X Location: 65.5 ft
Y Location: 0. ft

Radial distance from RW-7: 65.5 ft

Partially Penetrating Well
Depth to Top of Screen: 4.3 ft
Depth to Bottom of Screen: 14.3 ft

No. of Observations: 69

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.1567	0.004328	3.09	0.8385
0.2409	0.01625	3.174	0.8472
0.3246	0.04761	3.257	0.8515
0.4084	0.08222	3.342	0.8602
0.4922	0.1645	3.425	0.8699
0.5758	0.1991	3.509	0.8775
0.6597	0.238	3.593	0.8861
0.7436	0.277	3.677	0.8991
0.8274	0.3462	3.744	0.9034
0.9109	0.3765	3.83	0.9034
0.9946	0.4068	3.914	0.9078
1.078	0.4598	3.997	0.9121
1.162	0.4804	4.08	0.9208
1.246	0.5053	4.164	0.9294
1.33	0.5269	4.247	0.9305
1.414	0.5453	4.331	0.9391
1.497	0.5659	4.414	0.9467
1.581	0.6016	4.498	0.9521
1.665	0.6362	4.591	0.9564
1.749	0.6492	4.675	0.9608

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.834	0.6665	4.759	0.9684
1.917	0.6795	4.842	0.9737
2.001	0.6924	4.927	0.977
2.085	0.7184	5.915	1.025
2.17	0.7271	6.922	1.068
2.254	0.7357	7.93	1.094
2.337	0.7477	8.922	1.125
2.421	0.7693	9.915	1.15
2.505	0.7693	10.92	1.163
2.588	0.7823	11.92	1.176
2.672	0.7953	12.92	1.194
2.756	0.8039	13.91	1.203
2.839	0.8126	14.92	1.22
2.923	0.8255	19.93	1.265
3.007	0.8299		

SOLUTION

Pumping Test
Aquifer Model: Leaky
Solution Method: Hantush

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	4110.6	ft^2/day
S	0.0002315	
ß	0.07846	
Kz/Kr	1.	
b	20.5	ft

K = T/b = 200.5 ft/day (0.07074 cm/sec)
Ss = S/b = 1.129E-5 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	4110.6	3144.5	+/- 6279.5	1.307	ft^2/day
S	0.0002315	0.0001318	+/- 0.0002632	1.756	
ß	0.07846	0.2639	+/- 0.527	0.2973	
Kz/Kr	1.	not estimated			
b	20.5	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 200.5 ft/day (0.07074 cm/sec)
Ss = S/b = 1.129E-5 1/ft

Parameter Correlations

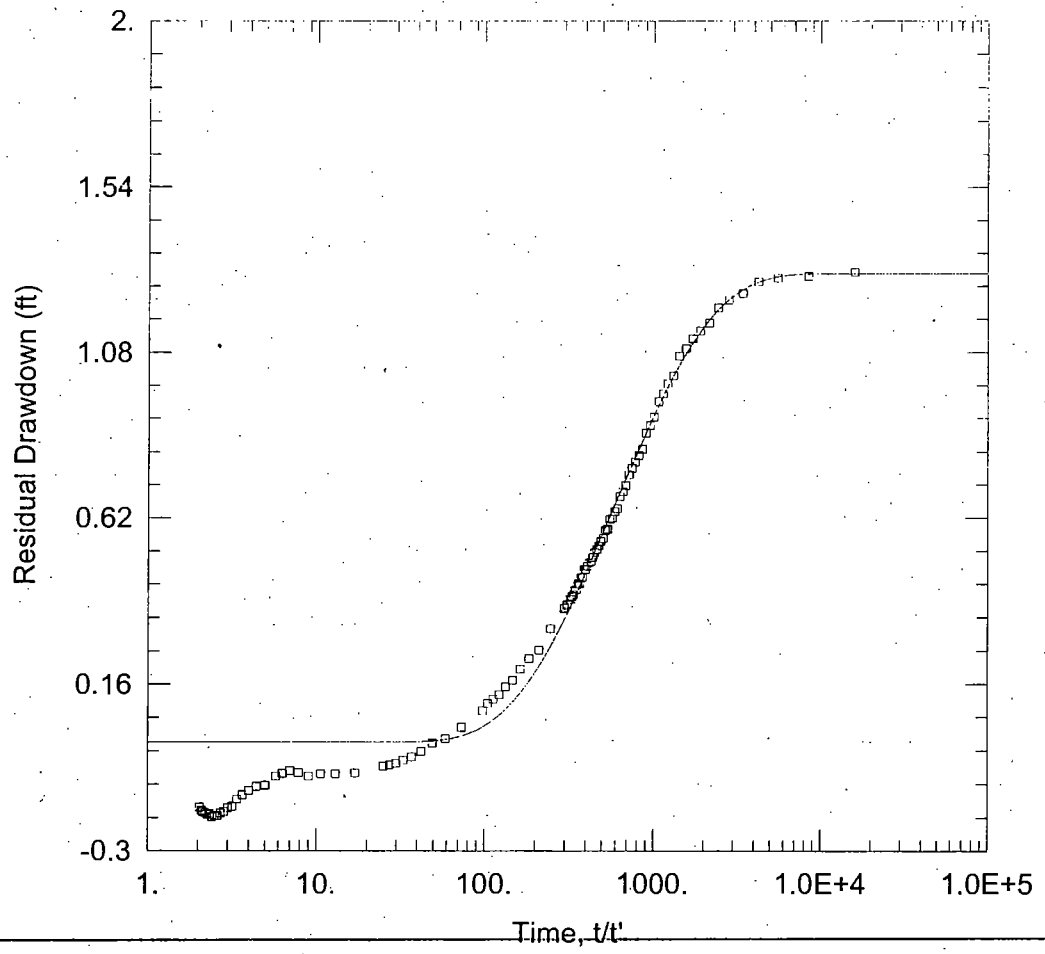
	T	S	ß
T	1.00	1.00	-1.00
S	1.00	1.00	-1.00
ß	-1.00	-1.00	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 0.05456 ft^2

Variance	0.0008266 ft^2
Std. Deviation	0.02875 ft
Mean	-0.001323 ft
No. of Residuals	69
No. of Estimates	3



RW-7 CONSTANT RATE TEST: MW-50C H-J (1955),HANTUSH (1960) RECOVERY DATA SOLUTION

Data Set: P:\...\7RW-7_MW-50C_HJleakywotardstorage_recov_diswgt.aqt
Date: 08/12/11 Time: 12:41:25

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-7

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
RW-7	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
MW-50C	65.5	0

SOLUTION

Aquifer Model: Leaky
Solution Method: Hantush-Jacob

T = 1576.9 ft^2/day
r/B = 0.6838
b = 20.5 ft

S = 0.00086
Kz/Kr = 1.

Data Set: P:\EPA AES\Projects\0046 Garvey Elevator RD\Project Data\Pumping Tests\RW-7 Crate Test\7RW-7_M
Title: RW-7 Constant Rate Test: MW-50C H-J (1955),Hantush (1960) Recovery Data Solution
Date: 08/12/11
Time: 12:39:13

PROJECT INFORMATION

Company: HydroGeologic, Inc
Client: USEPA R7
Project: EP9046
Location: Garvey Elevator Site
Test Well: RW-7

AQUIFER DATA

Saturated Thickness: 20.5 ft
Anisotropy Ratio (Kz/Kr): 1.
Aquitard Thickness (b'): 1. ft
Aquitard Thickness (b"): 1. ft

PUMPING WELL DATA

No. of pumping wells: 1

Pumping Well No. 1: RW-7

X Location: 0. ft
Y Location: 0. ft

Casing Radius: 0.333 ft
Well Radius: 0.5 ft

Partially Penetrating Well
Depth to Top of Screen: 5.5 ft
Depth to Bottom of Screen: 20.5 ft

No. of pumping periods: 106

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.1567	28.81	4.591	100.5
0.2409	104.	4.675	102.
0.3246	85.92	4.759	102.5
0.4084	55.84	4.842	101.6
0.4922	41.83	4.927	101.8
0.5758	68.39	5.915	101.5
0.6597	89.69	6.922	102.7
0.7436	98.01	7.93	100.1
0.8274	104.4	8.922	101.5
0.9109	93.59	9.915	101.2
0.9946	93.02	10.92	101.1
1.078	97.82	11.92	100.8
1.162	100.9	12.92	100.4
1.246	99.67	13.91	100.8
1.33	85.5	14.92	100.8
1.414	62.75	19.93	100.7
1.497	71.4	24.92	101.1
1.581	86.4	29.91	101.2
1.665	94.48	34.92	100.2
1.749	96.54	39.92	101.
1.834	95.67	44.92	101.3
1.917	94.89	49.91	100.3
2.001	98.12	54.92	99.87
2.085	100.8	59.91	102.5
2.17	101.6	89.9	100.7
2.254	101.8	119.9	103.2
2.337	101.2	149.9	101.6

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
2.421	101.5	179.9	101.4
2.505	101.8	209.9	101.7
2.588	102.3	239.9	100.6
2.672	101.5	269.9	101.
2.756	103.2	299.9	99.53
2.839	103.3	359.8	100.4
2.923	102.7	419.8	99.19
3.007	103.9	479.8	99.6
3.09	102.4	539.8	100.
3.174	103.1	599.8	100.2
3.257	102.5	659.8	99.5
3.342	102.1	719.8	99.55
3.425	102.7	779.7	100.5
3.509	103.	839.7	99.4
3.593	102.7	899.7	99.64
3.677	102.3	959.7	98.17
3.744	102.3	1019.7	99.23
3.83	101.5	1079.7	98.11
3.914	101.	1139.7	99.16
3.997	103.2	1199.6	99.
4.08	102.6	1259.6	100.6
4.164	101.7	1319.6	99.93
4.247	101.5	1379.6	98.71
4.331	102.2	1439.6	97.8
4.414	102.	1440.	99.08
4.498	100.8	1440.1	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW-50C

X Location: 65.5 ft
Y Location: 0. ft

Radial distance from RW-7: 65.5 ft

Partially Penetrating Well
Depth to Top of Screen: 4.3 ft
Depth to Bottom of Screen: 14.3 ft

No. of Observations: 104

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1440.1	1.303	1444.4	0.4011
1440.2	1.303	1444.5	0.3935
1440.2	1.291	1444.6	0.3935
1440.3	1.286	1444.7	0.3816
1440.4	1.276	1444.8	0.3772
1440.5	1.244	1444.8	0.3718
1440.6	1.225	1444.9	0.3686
1440.7	1.203	1445.9	0.3134
1440.7	1.161	1446.9	0.255
1440.8	1.139	1447.9	0.2311
1440.9	1.117	1448.9	0.2019
1441.	1.09	1449.9	0.1705
1441.1	1.07	1450.9	0.1522
1441.2	1.014	1451.9	0.1305
1441.3	0.9928	1452.9	0.1176
1441.3	0.9647	1453.9	0.1055
1441.4	0.9431	1454.9	0.08621
1441.5	0.8997	1459.9	0.04072
1441.6	0.876	1464.9	0.009251
1441.7	0.8554	1469.9	-0.002794

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1441.8	0.8111	1474.9	-0.02549
1441.8	0.7937	1479.9	-0.04058
1441.9	0.7754	1484.9	-0.04923
1442.	0.7581	1489.9	-0.05789
1442.1	0.7397	1494.9	-0.06221
1442.2	0.7094	1499.9	-0.06549
1442.3	0.6921	1529.9	-0.0849
1442.3	0.6791	1559.9	-0.08701
1442.4	0.6456	1589.9	-0.08701
1442.5	0.6369	1619.9	-0.09345
1442.6	0.6185	1649.9	-0.08374
1442.7	0.6153	1679.9	-0.07847
1442.8	0.5882	1709.9	-0.08608
1442.8	0.5839	1739.8	-0.09368
1442.9	0.5623	1799.8	-0.1188
1443.	0.5547	1859.8	-0.1223
1443.1	0.5417	1919.8	-0.1334
1443.2	0.532	1979.8	-0.1454
1443.3	0.5233	2039.8	-0.1573
1443.3	0.5103	2099.8	-0.1768
1443.4	0.4984	2159.8	-0.181
1443.5	0.4941	2219.7	-0.1906
1443.6	0.4854	2279.7	-0.1951
1443.7	0.4757	2339.7	-0.2018
1443.8	0.4768	2399.7	-0.202
1443.8	0.4541	2459.7	-0.2055
1443.9	0.453	2519.7	-0.1961
1444.	0.4357	2579.7	-0.1985
1444.1	0.4368	2639.6	-0.1943
1444.2	0.4195	2699.6	-0.1911
1444.3	0.4195	2759.6	-0.1878
1444.3	0.4065	2819.6	-0.1789

SOLUTION

Pumping Test
Aquifer Model: Leaky
Solution Method: Hantush-Jacob

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1576.9	ft^2/day
S	0.00086	
r/B	0.6838	
Kz/Kr	1.	
b	20.5	ft

K = T/b = 76.92 ft/day (0.02714 cm/sec)
Ss = S/b = 4.195E-5 1/ft
K'/b' = 0.0001193 min^{-1}
K' = 0.1718 ft/day

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1576.9	42.41	+/- 84.65	37.18	ft^2/day
S	0.00086	7.057E-6	+/- 1.409E-5	121.9	
r/B	0.6838	0.01779	+/- 0.03551	38.44	
Kz/Kr	1.	not estimated			
b	20.5	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 76.92 ft/day (0.02714 cm/sec)
Ss = S/b = 4.195E-5 1/ft
K'/b' = 0.0001193 min^{-1}
K' = 0.1718 ft/day

Parameter Correlations

	T	S	r/B
T	1.00	0.07	-1.00
S	0.07	1.00	0.00
r/B	-1.00	0.00	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 0.005821 ft^2
Variance . . . . . 8.689E-5 ft^2
Std. Deviation . . . . . 0.009321 ft
Mean . . . . . 0.001521 ft
No. of Residuals 70
No. of Estimates 3

APPENDIX J

PUMPING TESTS RAW DATA
(MATERIAL PROVIDED IN ELECTRONIC COPY ONLY)

US EPA ARCHIVE DOCUMENT

RW-2 STEP TEST

RW-2 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	RW2_Flow	RW2_DW	RW2_WLD	RW2_WLE	MW49B_DW	MW49B_WLD	MW49B_WLE	MW49C_DW	MW49C_WLD	MW49C_WLE
8:15:26	0.079016663	2	37	0.021875001	116.0293961	-0.476052046	1810.390625	118.1126404	0	1813.34729	117.6072235	-0.004327774	1813.862793
8:15:31	0.16263333	2	37	0.021875001	117.4012985	-1.847954273	1809.018799	118.1386108	-0.025965214	1813.321289	117.6072235	-0.004327774	1813.862793
8:15:36	0.247199997	2	37	0.021875001	117.9682312	-2.41489017	1808.451782	118.216507	-0.103861809	1813.243408	117.6072235	-0.004327774	1813.862793
8:15:41	0.331183344	2	37	3.734375238	118.0028534	-2.449513078	1808.417236	118.3376846	-0.225043297	1813.122314	117.6028976	0	1813.867065
8:15:46	0.415783346	2	37	12.89999962	117.7561722	-2.202829599	1808.663818	118.4631882	-0.350547791	1812.996826	117.6028976	0	1813.867065
8:15:51	0.500016689	2	37	5.993750095	117.4369736	-1.952875137	1808.983032	118.6633224	-0.550679684	1812.796631	117.5996246	0.00327301	1813.870361
8:15:56	0.583966672	2	37	7.115624905	117.3233948	-1.770053387	1809.09668	118.7228546	-0.610211372	1812.737061	117.5985718	0.004327774	1813.871338
8:16:01	0.66806668	2	37	1.384374976	117.2368393	-1.713794708	1809.183228	118.7531509	-0.640509129	1812.706787	117.6072235	-0.004327774	1813.862793
8:16:05	0.735316694	2	37	2.581249952	117.2195358	-1.666188955	1809.200562	118.7834473	-0.670802116	1812.676514	117.6072235	-0.004327774	1813.862793
8:16:10	0.819249988	2	37	9.078125	117.1805801	-1.644551039	1809.239502	118.7964249	-0.683784962	1812.663574	117.6115494	-0.008653641	1813.858398
8:16:15	0.903383315	2	37	0.628125012	117.1589432	-1.609925985	1809.261108	118.8180695	-0.70542717	1812.641846	117.6072235	-0.004327774	1813.862793
8:16:20	0.987500012	2	37	0.640625	117.102684	-1.575307608	1809.317383	118.8180695	-0.70542717	1812.641846	117.6072235	-0.004327774	1813.862793
8:16:25	1.071416616	2	37	1.090625048	117.0420914	-1.514714718	1809.37793	118.8223953	-0.709750652	1812.637573	117.6028976	0	1813.867065
8:16:30	1.155366659	2	37	1.300000072	117.0204544	-1.458456039	1809.399536	118.8267212	-0.714082241	1812.633301	117.6072235	-0.004327774	1813.862793
8:16:35	1.238816619	2	37	6.840624809	116.9382248	-1.39786768	1809.481812	118.8267212	-0.714082241	1812.633301	117.6072235	-0.004327774	1813.862793
8:16:40	1.323366642	2	37	4.8125	116.8776398	-1.34160471	1809.542358	118.8223953	-0.709750652	1812.637573	117.6115494	-0.008653641	1813.858398
8:16:45	1.407549977	2	37	0.700000048	116.8603287	-1.306983948	1809.559692	118.8180695	-0.70542717	1812.641846	117.6158752	-0.012981415	1813.854126
8:16:50	1.491766691	2	37	3.337499857	116.8213806	-1.28101635	1809.598633	118.8050842	-0.692440033	1812.654907	117.6158752	-0.012981415	1813.854126
8:16:55	1.575383306	2	37	5.275000095	116.7867508	-1.242065668	1809.633301	118.8007584	-0.688112736	1812.65918	117.6072235	-0.004327774	1813.862793
8:17:01	1.65958333	2	37	6.375	116.7737732	-1.220427752	1809.64624	118.792099	-0.679457188	1812.667847	117.6028976	0	1813.867065
8:17:06	1.743600011	2	37	6.103124619	116.739151	-1.185807228	1809.680908	118.7834473	-0.670802116	1812.676514	117.6028976	0	1813.867065
8:17:11	1.827700019	2	37	6.612499714	116.717514	-1.164169312	1809.702515	118.7618103	-0.6491642	1812.69812	117.6072235	-0.004327774	1813.862793
8:17:16	1.912383318	2	37	6.412500381	116.6958694	-1.142529011	1809.724121	118.7488174	-0.636177063	1812.711182	117.6072235	-0.004327774	1813.862793
8:17:21	1.995933294	2	37	6.593749523	116.6612473	-1.107906103	1809.758789	118.7488174	-0.636177063	1812.711182	117.6072235	-0.004327774	1813.862793
8:17:26	2.079233408	2	37	6.793750286	116.6396103	-1.07761097	1809.780396	118.7315063	-0.61886692	1812.728516	117.6072235	-0.004327774	1813.862793
8:17:31	2.163399935	2	37	7.100000381	116.609314	-1.051647663	1809.810791	118.7228546	-0.610211372	1812.737061	117.6072235	-0.004327774	1813.862793
8:17:36	2.247266769	2	37	15.53437519	116.609314	-1.038660526	1809.810791	118.7141953	-0.601556301	1812.745728	117.6072235	-0.004327774	1813.862793
8:17:41	2.330950022	2	37	15.54062557	116.6179733	-1.042992353	1809.802124	118.7098694	-0.597229004	1812.750122	117.6072235	-0.004327774	1813.862793
8:17:46	2.41441679	2	37	1	116.6352844	-1.07761097	1809.78479	118.7055435	-0.59290123	1812.754395	117.6028976	0	1813.867065
8:17:51	2.497950077	2	37	5.640625	116.7131805	-1.159839392	1809.706909	118.6968918	-0.584246159	1812.763062	117.6072235	-0.004327774	1813.862793
8:17:56	2.582016706	2	37	0.509375036	116.7694473	-1.229083061	1809.650635	118.6968918	-0.584246159	1812.763062	117.6072235	-0.004327774	1813.862793
8:18:01	2.665583372	2	37	3.381250143	116.8170471	-1.263705969	1809.603027	118.7055435	-0.59290123	1812.754395	117.6028976	0	1813.867065
8:18:06	2.749166727	2	37	0.875	116.8300323	-1.26803565	1809.589966	118.7098694	-0.597229004	1812.750122	117.6072235	-0.004327774	1813.862793
8:18:11	2.832550049	2	37	0.42187503	116.8083954	-1.27236104	1809.611694	118.7185287	-0.605884075	1812.741455	117.6072235	-0.004327774	1813.862793
8:18:16	2.916199923	2	37	1.056249976	116.8213806	-1.263705969	1809.598633	118.7228546	-0.610211372	1812.737061	117.6072235	-0.004327774	1813.862793
8:18:21	2.999899864	2	37	4.75	116.7780991	-1.233410597	1809.641968	118.7271805	-0.614539146	1812.732788	117.6072235	-0.004327774	1813.862793
8:18:26	3.082866669	2	37	0.546875	116.7304916	-1.185807228	1809.689575	118.7315063	-0.61886692	1812.728516	117.6072235	-0.004327774	1813.862793
8:18:31	3.16626668	2	37	1.25	116.7002029	-1.172824383	1809.719849	118.7315063	-0.61886692	1812.728516	117.6072235	-0.004327774	1813.862793
8:18:36	3.250183344	2	37	1.212500095	116.6828842	-1.142529011	1809.737183	118.7358398	-0.623198509	1812.724121	117.6072235	-0.004327774	1813.862793
8:18:41	3.33431673	2	37	7.168749809	116.6569214	-1.099251032	1809.763184	118.7315063	-0.61886692	1812.728516	117.6072235	-0.004327774	1813.862793
8:18:46	3.418366671	2	37	0.587499976	116.6222992	-1.081940651	1809.797729	118.7315063	-0.61886692	1812.728516	117.6072235	-0.004327774	1813.862793
8:18:51	3.502766609	2	37	3.356250048	116.6439362	-1.07761097	1809.776123	118.7271805	-0.614539146	1812.732788	117.6072235	-0.004327774	1813.862793
8:18:56	3.587266684	2	37	1.818750024	116.6125946	-1.081940651	1809.807495	118.7228546	-0.610211372	1812.737061	117.6072235	-0.004327774	1813.862793
8:19:01	3.671649933	2	37	2.512500048	116.5963364	-1.047315598	1809.82373	118.7174759	-0.604831696	1812.742432	117.6104965	-0.007602692	1813.859497
8:19:06	3.755899906	2	37	8.971875191	116.5746918	-1.017022371	1809.845337	118.7141953	-0.601556301	1812.745728	117.6115494	-0.008653641	1813.858398
8:19:11	3.840033293	2	37	3.971875191	116.5357437	-0.982401848	1809.884277	118.7044907	-0.59184885	1812.755493	117.6018448	0.001052856	1813.868164
8:19:16	3.924266815	2	37	0.224999994	116.5530548	-0.999712229	1809.866943	118.6968918	-0.584246159	1812.763062	117.6072235	-0.004327774	1813.862793
8:19:21	4.008150101	2	37	0.021875001	116.5563354	-1.021350145	1809.86377	118.6839066	-0.571263313	1812.776001	117.6072235	-0.004327774	1813.862793

RW-2 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	RW2_Flow	RW2_DW	RW2_WLD	RW2_WLE	MW49B_DW	MW49B_WLD	MW49B_WLE	MW49C_DW	MW49C_WLD	MW49C_WLE
8:19:26	4.092483521	2	37	1.831250072	116.4924698	-0.964034796	1809.927612	118.6795807	-0.566935539	1812.780396	117.6028976	0	1813.867065
8:19:32	4.176783562	2	37	8.853124619	116.4405365	-0.88719058	1809.979492	118.6795807	-0.566935539	1812.780396	117.6028976	0	1813.867065
8:19:37	4.260966778	2	37	1.618749976	116.3929291	-0.839586973	1810.0271	118.6665878	-0.553948402	1812.793335	117.6028976	0	1813.867065
8:19:42	4.345166683	2	37	0.203125	116.4232254	-0.869880199	1809.996826	118.6622696	-0.549625397	1812.797729	117.6072235	-0.004327774	1813.862793
8:19:47	4.428649902	2	37	1.300000072	116.4188995	-0.865552664	1810.001099	118.6492767	-0.53663826	1812.810669	117.6028976	0	1813.867065
8:19:52	4.512183189	2	37	3.59375	116.3799438	-0.813616991	1810.040039	118.6406326	-0.52798748	1812.819336	117.6072235	-0.004327774	1813.862793
8:19:57	4.595766544	2	37	2.815625191	116.3409958	-0.774668932	1810.079102	118.6406326	-0.52798748	1812.819336	117.6072235	-0.004327774	1813.862793
8:20:02	4.679366589	2	37	0.42187503	116.3280106	-0.788706064	1810.092041	118.637352	-0.524709702	1812.822632	117.6039505	-0.001052856	1813.865967
8:20:07	4.763166428	2	37	5.121875286	116.3929291	-0.830927372	1810.0271	118.618988	-0.506345272	1812.840942	117.6072235	-0.004327774	1813.862793
8:20:11	4.830033302	2	37	9.693750381	116.3712921	-0.839586973	1810.048706	118.6146622	-0.502017498	1812.845337	117.6028976	0	1813.867065
8:20:16	4.914150238	3	39	2.303124905	116.5400696	-0.986729383	1809.880005	118.6103287	-0.497689724	1812.849609	117.6072235	-0.004327774	1813.862793
8:20:26	5.082383156	3	39	6.443749905	117.163269	-1.553667307	1809.256836	118.6406326	-0.52798748	1812.819336	117.6115494	-0.008653641	1813.858398
8:20:36	5.249916553	3	39	6.365624905	117.2974319	-1.744087934	1809.122559	118.7055435	-0.59290123	1812.754395	117.6072235	-0.004327774	1813.862793
8:20:46	5.418000221	3	39	7.168749809	117.3536911	-1.800346494	1809.066406	118.813736	-0.701095104	1812.64624	117.6115494	-0.008653641	1813.858398
8:20:56	5.585633278	3	39	8.943750381	117.3493652	-1.778710723	1809.070679	118.8613434	-0.748698711	1812.598633	117.6072235	-0.004327774	1813.862793
8:21:06	5.753700256	3	39	9.990625381	117.396965	-1.821986556	1809.023071	118.9089508	-0.79630661	1812.551025	117.6072235	-0.004327774	1813.862793
8:21:16	5.921866417	3	39	10.71249962	117.396965	-1.843624473	1809.023071	118.9305878	-0.817948818	1812.529419	117.6072235	-0.004327774	1813.862793
8:21:26	6.088300228	3	39	10.64687538	117.3893661	-1.847954273	1809.03064	118.9446259	-0.831981659	1812.515381	117.6082764	-0.00538063	1813.861694
8:21:36	6.256083488	3	39	10.78437519	117.358017	-1.830644011	1809.062012	118.9565506	-0.843910217	1812.503418	117.6115494	-0.008653641	1813.858398
8:21:46	6.424766541	3	39	10.77187538	117.3883133	-1.826316357	1809.031738	118.9695435	-0.856897354	1812.490479	117.6072235	-0.004327774	1813.862793
8:21:57	6.59193325	3	39	10.72499943	117.3926392	-1.834971547	1809.027344	118.9781952	-0.865552425	1812.481812	117.6072235	-0.004327774	1813.862793
8:22:06	6.759533405	3	39	10.63749981	117.4012985	-1.86199367	1809.018799	118.9879074	-0.875261784	1812.472046	117.6082764	-0.00538063	1813.861694
8:22:16	6.927149773	3	39	10.59999943	117.4456329	-1.899887562	1808.974365	118.9955063	-0.882862568	1812.464478	117.6072235	-0.004327774	1813.862793
8:22:28	7.09499979	3	39	9.96875	117.4575577	-1.904212952	1808.962524	119.000885	-0.888244629	1812.459106	117.6126022	-0.009708405	1813.857422
8:22:38	7.262599945	3	39	10.35000038	117.4056244	-1.852279663	1809.014404	119.004158	-0.891518116	1812.455811	117.6115494	-0.008653641	1813.858398
8:22:48	7.430083275	3	39	10.78437519	117.3936996	-1.840353489	1809.026367	119.0138702	-0.901227474	1812.446045	117.6082764	-0.00538063	1813.861694
8:22:58	7.598016739	3	39	10.65625	117.4153366	-1.844678879	1809.004761	119.0138702	-0.901227474	1812.446045	117.6082764	-0.00538063	1813.861694
8:23:08	7.765749931	3	39	10.38437462	117.4229355	-1.878249645	1808.99707	119.0171432	-0.904500484	1812.442871	117.6072235	-0.004327774	1813.862793
8:23:18	7.932766914	3	39	10.51875019	117.4618835	-1.908542752	1808.95813	119.0171432	-0.904500484	1812.442871	117.6115494	-0.008653641	1813.858398
8:23:28	8.099200249	3	39	10.46875	117.4575577	-1.904212952	1808.962524	119.025795	-0.913156033	1812.434204	117.6072235	-0.004327774	1813.862793
8:23:38	8.266349792	3	39	10.05937576	117.4402466	-1.869594455	1808.979736	119.025795	-0.913156033	1812.434204	117.6072235	-0.004327774	1813.862793
8:23:48	8.434483528	3	39	9.928125381	117.4359207	-1.860939264	1808.984131	119.0301285	-0.91748333	1812.42981	117.6072235	-0.004327774	1813.862793
8:23:57	8.586000443	3	39	9.603124619	117.4099503	-1.843624473	1809.010132	119.025795	-0.913156033	1812.434204	117.6115494	-0.008653641	1813.858398
8:24:07	8.753582954	3	39	9.731249809	117.4229355	-1.852279663	1808.99707	119.025795	-0.913156033	1812.434204	117.6072235	-0.004327774	1813.862793
8:24:17	8.921549797	3	39	9.759374619	117.4132309	-1.873919845	1809.006836	119.025795	-0.913156033	1812.434204	117.6072235	-0.004327774	1813.862793
8:24:27	9.089083672	3	39	9.512499809	117.4142838	-1.865264654	1809.005737	119.0214691	-0.908828259	1812.438477	117.6072235	-0.004327774	1813.862793
8:24:37	9.256250381	3	39	9.659375191	117.3710022	-1.813331366	1809.049072	119.0214691	-0.908828259	1812.438477	117.6115494	-0.008653641	1813.858398
8:24:47	9.424166679	3	39	9.3125	117.3233948	-1.765727997	1809.09668	119.0171432	-0.904500484	1812.442871	117.6072235	-0.004327774	1813.862793
8:24:57	9.591600418	3	39	9.1875	117.3060837	-1.752743006	1809.114014	119.0171432	-0.904500484	1812.442871	117.6072235	-0.004327774	1813.862793
8:25:08	9.766233444	3	39	9.112499237	117.3320541	-1.778710723	1809.088013	119.0084839	-0.895845413	1812.451416	117.6072235	-0.004327774	1813.862793
8:25:18	9.934249878	3	39	7.528124809	117.3320541	-1.774380922	1809.088013	119.004158	-0.891518116	1812.455811	117.6115494	-0.008653641	1813.858398
8:26:57	11.59465027	3	39	8.140625	117.0983582	-1.540682554	1809.321655	118.943573	-0.830927372	1812.516357	117.6115494	-0.008653641	1813.858398
8:28:37	13.25578308	3	39	7.693749428	117.0031433	-1.458456039	1809.41687	118.8959656	-0.783323765	1812.563965	117.6115494	-0.008653641	1813.858398
8:30:18	14.93321705	3	39	7.065624714	116.9046631	-1.351318598	1809.515381	118.8483658	-0.735720158	1812.611572	117.6158752	-0.012981415	1813.854126
8:31:57	16.58646584	3	39	6.703125	116.7445297	-1.21177268	1809.675537	118.8007584	-0.688112736	1812.65918	117.6072235	-0.004327774	1813.862793
8:33:38	18.26305008	3	39	5.990625381	116.6569214	-1.103580713	1809.763184	118.7531509	-0.640509129	1812.706787	117.6072235	-0.004327774	1813.862793
8:35:17	19.92794991	3	39	5.225000381	116.505455	-0.939126015	1809.914551	118.7055435	-0.59290123	1812.754395	117.6115494	-0.008653641	1813.858398
8:36:57	21.58821678	3	39	4.59375	116.3290634	-0.775723219	1810.090942	118.6460037	-0.533364773	1812.813965	117.6126022	-0.009708405	1813.857422

RW-2 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	RW2_Flow	RW2_DW	RW2_WLD	RW2_WLE	MW49B_DW	MW49B_WLD	MW49B_WLE	MW49C_DW	MW49C_WLD	MW49C_WLE
8:38:38	23.26709938	3	39	4.025000095	116.2544403	-0.705427408	1810.165649	118.58004	-0.467396736	1812.879883	117.6115494	-0.008653641	1813.858398
8:40:17	24.9284668	3	39	3.443749905	116.0683441	-0.539918184	1810.351685	118.5313873	-0.418741226	1812.928589	117.6104965	-0.007602692	1813.859497
8:41:57	26.59115028	3	39	2.856249809	115.9807434	-0.427396536	1810.439331	118.4794464	-0.366805553	1812.980469	117.6104965	-0.007602692	1813.859497
8:43:37	28.25528336	3	39	2.462499857	115.8995667	-0.328909874	1810.520508	118.4328918	-0.320250034	1813.0271	117.6115494	-0.008653641	1813.858398
8:45:17	29.91851616	3	39	2.049999952	115.7610779	-0.207732916	1810.658936	118.3982773	-0.285633564	1813.061646	117.6158752	-0.012981415	1813.854126
8:46:57	31.59183311	3	39	1.912499905	115.760025	-0.189366102	1810.660034	118.3669281	-0.254283905	1813.093018	117.6148224	-0.011930466	1813.855103
8:48:37	33.26678467	3	39	1.646875024	115.6724167	-0.088779449	1810.747681	118.3355789	-0.222939014	1813.12439	117.6137695	-0.010877609	1813.856201
8:50:17	34.92228317	3	39	1.503125072	115.6388397	-0.093106985	1810.78125	118.313942	-0.201300621	1813.145996	117.618103	-0.015209198	1813.851807
8:51:57	36.58641815	3	39	1.403125048	115.5652771	-0.00760293	1810.854736	118.2976837	-0.18503809	1813.162231	117.6191559	-0.016262054	1813.85083
8:53:38	38.26326752	3	39	1.3125	115.5922928	-0.034620762	1810.827759	118.2900772	-0.177435398	1813.169922	117.6245346	-0.021636963	1813.845459
8:55:18	39.92558289	3	39	1.271875024	115.5284271	0.016255856	1810.891602	118.2781525	-0.165511131	1813.181763	117.6169281	-0.014036179	1813.853027
8:56:58	41.58996582	3	39	1.196874976	115.5393066	0.014034986	1810.880737	118.2673874	-0.154745102	1813.192627	117.6191559	-0.016262054	1813.85083
8:58:38	43.2547493	3	39	0.506250024	115.4841003	0.069241285	1810.935913	118.2641144	-0.151469707	1813.195801	117.6245346	-0.021636963	1813.845459
9:00:17	44.91796494	3	39	0.34375	115.5284271	0.046549082	1810.891602	118.2565079	-0.143868923	1813.203491	117.6212616	-0.018367767	1813.848755
9:01:58	46.59938431	3	39	0.021875001	115.4884262	0.082228422	1810.931641	118.2467957	-0.134154797	1813.213135	117.6202087	-0.017314911	1813.849731
9:03:38	48.26046753	3	39	1.09375	115.4743958	0.091935873	1810.945679	118.2457428	-0.133102894	1813.214233	117.6234818	-0.020586014	1813.846436
9:05:18	49.92300034	3	39	0.193749994	115.4873734	0.065970421	1810.932617	118.2457428	-0.133102894	1813.214233	117.6191559	-0.016262054	1813.85083
9:06:57	51.58256531	4	41	0.021875001	115.5869141	0.052987576	1810.83313	118.2327652	-0.12012434	1813.227173	117.6234818	-0.020586014	1813.846436
9:08:38	53.26166534	4	41	7.078125477	116.6299057	-1.094925642	1809.790161	118.6795807	-0.566935539	1812.780396	117.6245346	-0.021636963	1813.845459
9:10:18	54.92931747	4	41	5.506249905	116.4438171	-0.881810665	1809.976196	118.6698685	-0.557228565	1812.790039	117.6278152	-0.024917603	1813.842163
9:11:58	56.59004974	4	41	4.543749809	116.2783051	-0.724961042	1810.141724	118.5995712	-0.48693037	1812.860352	117.6224289	-0.019533157	1813.847534
9:13:37	58.25344849	4	41	3.559375286	116.0975876	-0.518280268	1810.32251	118.5313873	-0.418741226	1812.928589	117.6278152	-0.024917603	1813.842163
9:15:18	59.93090057	4	41	2.803125143	115.9071655	-0.371133566	1810.512939	118.4707947	-0.358150482	1812.989136	117.6321335	-0.029239655	1813.837891
9:15:23	60.01448441	5	43	2.793750048	116.0153656	-0.405758619	1810.404663	118.4578094	-0.345167637	1813.002197	117.6278152	-0.024917603	1813.842163
9:15:28	60.09806824	5	43	11.828125	116.3659058	-0.7476511	1810.054199	118.4578094	-0.345167637	1813.002197	117.6278152	-0.024917603	1813.842163
9:15:33	60.18198395	5	43	9.831249237	116.6082611	-1.023573399	1809.811768	118.4610825	-0.348443031	1812.998901	117.6267624	-0.023864746	1813.843262
9:15:37	60.24964905	5	43	10.0625	116.7110748	-1.128491879	1809.708984	118.4837723	-0.371133327	1812.976196	117.6278152	-0.024917603	1813.842163
9:15:42	60.33328247	5	43	10.20625019	116.8149414	-1.244291306	1809.605103	118.5433121	-0.4306674	1812.916626	117.6267624	-0.023864746	1813.843262
9:15:47	60.41656494	5	43	9.965624809	116.8841858	-1.335175037	1809.535889	118.5736084	-0.46096468	1812.886353	117.6267624	-0.023864746	1813.843262
9:15:52	60.50081635	5	43	9.612500191	116.9274673	-1.374123096	1809.492554	118.6125565	-0.499913216	1812.847412	117.6310883	-0.028188705	1813.838867
9:15:57	60.58464813	5	43	9.318750381	116.9577637	-1.383830547	1809.46228	118.6395798	-0.526935101	1812.820435	117.6278152	-0.024917603	1813.842163
9:16:02	60.66875076	5	43	9.515625	116.9664154	-1.400088787	1809.453613	118.6947861	-0.582141876	1812.765137	117.6267624	-0.023864746	1813.843262
9:16:07	60.75296783	5	43	9.318750381	116.9967117	-1.417401314	1809.42334	118.716423	-0.603779793	1812.74353	117.6267624	-0.023864746	1813.843262
9:16:12	60.83675003	5	43	9.3125	116.9967117	-1.439041376	1809.42334	118.73806	-0.625417709	1812.721924	117.6267624	-0.023864746	1813.843262
9:16:17	60.92113495	5	43	9.118749619	116.9847794	-1.448748827	1809.435303	118.7607574	-0.64811182	1812.699219	117.6278152	-0.024917603	1813.842163
9:16:22	61.00484848	5	43	8.896874428	116.9837265	-1.447696686	1809.436279	118.7856598	-0.67302084	1812.674316	117.6267624	-0.023864746	1813.843262
9:16:28	61.08883286	5	43	8.800000191	116.9750671	-1.421726704	1809.444946	118.7943268	-0.681680679	1812.665649	117.6267624	-0.023864746	1813.843262
9:16:33	61.17333221	5	43	8.703125	116.9967117	-1.456351757	1809.42334	118.8073044	-0.694663525	1812.65271	117.6310883	-0.028188705	1813.838867
9:16:38	61.25731659	5	43	8.515625	117.0140228	-1.465006828	1809.406006	118.8116302	-0.698990822	1812.648315	117.6267624	-0.023864746	1813.843262
9:16:43	61.34126663	5	43	8.734375	117.0140228	-1.460681438	1809.406006	118.8246231	-0.711977959	1812.635376	117.6267624	-0.023864746	1813.843262
9:16:48	61.42504883	5	43	8.290625572	117.0140228	-1.460681438	1809.406006	118.8289413	-0.716301441	1812.630981	117.6224289	-0.019533157	1813.847534
9:16:53	61.50831604	5	43	8.356249809	116.9967117	-1.443366766	1809.42334	118.8376007	-0.724956512	1812.622314	117.6224289	-0.019533157	1813.847534
9:16:58	61.59223175	5	43	8.290625572	116.9880524	-1.434711695	1809.432007	118.8332672	-0.720628738	1812.626709	117.6224289	-0.019533157	1813.847534
9:17:03	61.67720032	5	43	8.075000763	116.9631424	-1.413073778	1809.456909	118.8376007	-0.724956512	1812.622314	117.6267624	-0.023864746	1813.843262
9:17:08	61.76083374	5	43	8.309374809	116.9501572	-1.393537998	1809.469849	118.8440323	-0.731388569	1812.615967	117.6288605	-0.025968552	1813.841064
9:17:13	61.84529877	5	43	7.996874809	116.918808	-1.362190485	1809.501221	118.8462601	-0.733615875	1812.613647	117.6267624	-0.023864746	1813.843262
9:17:18	61.92881775	5	43	8.215624809	116.897171	-1.343830109	1809.522827	118.8376007	-0.724956512	1812.622314	117.6267624	-0.023864746	1813.843262
9:17:23	62.01250076	5	43	8.075000763	116.8798599	-1.339500427	1809.540161	118.8376007	-0.724956512	1812.622314	117.6267624	-0.023864746	1813.843262

RW-2 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	RW2_Flow	RW2_DW	RW2_WLD	RW2_WLE	MW49B_DW	MW49B_WLD	MW49B_WLE	MW49C_DW	MW49C_WLD	MW49C_WLE
9:17:28	62.09619904	5	43	7.965625286	116.8668747	-1.313534737	1809.553223	118.8376007	-0.724956512	1812.622314	117.6267624	-0.023864746	1813.843262
9:17:33	62.18000031	5	43	8.137500763	116.872261	-1.327571869	1809.547729	118.8386536	-0.726008415	1812.621338	117.6234818	-0.020586014	1813.846436
9:17:38	62.26341629	5	43	8.046875	116.8852386	-1.318916798	1809.53479	118.8429794	-0.730336189	1812.616943	117.6234818	-0.020586014	1813.846436
9:17:43	62.3476181	5	43	8.009374619	116.9025574	-1.336227179	1809.517456	118.8386536	-0.726008415	1812.621338	117.6278152	-0.024917603	1813.842163
9:17:48	62.4314003	5	43	8.125	116.9328461	-1.361138344	1809.487183	118.8376007	-0.724956512	1812.622314	117.6224289	-0.019533157	1813.847534
9:17:53	62.51546478	5	43	8.071874619	116.9241867	-1.375175476	1809.49585	118.8386536	-0.726008415	1812.621338	117.6278152	-0.024917603	1813.842163
9:17:58	62.59899902	5	43	8.075000763	116.9415054	-1.379505157	1809.478516	118.8386536	-0.726008415	1812.621338	117.6278152	-0.024917603	1813.842163
9:18:03	62.68336487	5	43	8.053124428	116.9328461	-1.383830547	1809.487183	118.8386536	-0.726008415	1812.621338	117.6278152	-0.024917603	1813.842163
9:18:08	62.76789856	5	43	8.1875	116.9328461	-1.387108088	1809.487183	118.8332672	-0.720628738	1812.626709	117.6267624	-0.023864746	1813.843262
9:18:13	62.85210037	5	43	8.193750381	116.9285202	-1.388160229	1809.491577	118.8343201	-0.721681118	1812.62561	117.6234818	-0.020586014	1813.846436
9:18:18	62.93569946	5	43	8.109375	116.9371719	-1.383830547	1809.48291	118.8429794	-0.730336189	1812.616943	117.6278152	-0.024917603	1813.842163
9:18:23	63.01931763	5	43	8.153124809	116.9112091	-1.379505157	1809.508789	118.8386536	-0.726008415	1812.621338	117.6321335	-0.029239655	1813.837891
9:18:28	63.10308456	5	43	7.975000381	116.8852386	-1.353535175	1809.53479	118.8386536	-0.726008415	1812.621338	117.6321335	-0.029239655	1813.837891
9:18:33	63.18690109	5	43	8.046875	116.9112091	-1.34815979	1809.508789	118.8376007	-0.724956512	1812.622314	117.6310883	-0.028188705	1813.838867
9:18:38	63.27141571	5	43	7.971875191	116.9101563	-1.343830109	1809.509888	118.8376007	-0.724956512	1812.622314	117.6267624	-0.023864746	1813.843262
9:18:43	63.35549927	5	43	8.165624619	116.9015045	-1.356812954	1809.518555	118.8419266	-0.72928381	1812.618042	117.6267624	-0.023864746	1813.843262
9:18:48	63.43891525	5	43	8.025000572	116.9015045	-1.369793415	1809.518555	118.8419266	-0.72928381	1812.618042	117.6310883	-0.028188705	1813.838867
9:18:53	63.52216721	5	43	8.009374619	116.9231339	-1.339500427	1809.496948	118.8419266	-0.72928381	1812.618042	117.6267624	-0.023864746	1813.843262
9:18:58	63.60556793	5	43	8.003125191	116.9491043	-1.382778406	1809.470947	118.8419266	-0.72928381	1812.618042	117.6267624	-0.023864746	1813.843262
9:19:04	63.69004822	5	43	8.090624809	116.9620895	-1.408746004	1809.458008	118.8419266	-0.72928381	1812.618042	117.6310883	-0.028188705	1813.838867
9:19:09	63.77393341	5	43	8.109375	116.9577637	-1.404418468	1809.46228	118.8462601	-0.733615875	1812.613647	117.6267624	-0.023864746	1813.843262
9:19:14	63.85786819	5	43	8.034375191	116.9577637	-1.404418468	1809.46228	118.8462601	-0.733615875	1812.613647	117.6310883	-0.028188705	1813.838867
9:19:19	63.94158173	5	43	8.112500191	116.9577637	-1.404418468	1809.46228	118.8462601	-0.733615875	1812.613647	117.6267624	-0.023864746	1813.843262
9:19:24	64.02539825	5	43	7.975000381	116.9631424	-1.409798384	1809.456909	118.8473129	-0.734668255	1812.612671	117.6321335	-0.029239655	1813.837891
9:19:28	64.09331512	5	43	7.934375286	116.9371719	-1.383830547	1809.48291	118.8419266	-0.72928381	1812.618042	117.6224289	-0.019533157	1813.847534
9:19:33	64.1771698	5	43	8.015625	116.9274673	-1.374123096	1809.492554	118.8462601	-0.733615875	1812.613647	117.6224289	-0.019533157	1813.847534
9:19:38	64.26132965	5	43	8.028124809	116.9025574	-1.34921217	1809.517456	118.8473129	-0.734668255	1812.612671	117.6278152	-0.024917603	1813.842163
9:19:43	64.34518433	5	43	8.087500572	116.897171	-1.343830109	1809.522827	118.8462601	-0.733615875	1812.613647	117.6267624	-0.023864746	1813.843262
9:19:48	64.42888641	5	43	8	116.9025574	-1.340552568	1809.517456	118.8473129	-0.734668255	1812.612671	117.6278152	-0.024917603	1813.842163
9:19:53	64.51243591	5	43	8.259374619	116.9068756	-1.353535175	1809.513184	118.8473129	-0.734668255	1812.612671	117.6234818	-0.020586014	1813.846436
9:19:58	64.59663391	5	43	8.234375	116.8982239	-1.327571869	1809.521851	118.8473129	-0.734668255	1812.612671	117.6321335	-0.029239655	1813.837891
9:20:03	64.68066406	5	43	8.071874619	116.915535	-1.366520166	1809.504517	118.8473129	-0.734668255	1812.612671	117.6321335	-0.029239655	1813.837891
9:20:08	64.76443481	5	43	8.090624809	116.9501572	-1.392485619	1809.469849	118.8516312	-0.738991261	1812.608276	117.6278152	-0.024917603	1813.842163
9:20:13	64.84851837	5	43	8.134374619	116.9631424	-1.40547061	1809.456909	118.8516312	-0.738991261	1812.608276	117.6278152	-0.024917603	1813.842163
9:20:18	64.93226624	5	43	8.040624619	116.9847794	-1.431438446	1809.435303	118.8559647	-0.743323326	1812.604004	117.6278152	-0.024917603	1813.842163
9:20:28	65.10075378	5	43	8.046875	116.9804535	-1.427108526	1809.439575	118.8516312	-0.738991261	1812.608276	117.6278152	-0.024917603	1813.842163
9:20:38	65.26906586	5	43	8.0625	116.97612	-1.422778845	1809.44397	118.8559647	-0.743323326	1812.604004	117.6321335	-0.029239655	1813.837891
9:20:48	65.43681335	5	43	8.006250381	116.9317932	-1.392485619	1809.488281	118.8559647	-0.743323326	1812.604004	117.6321335	-0.029239655	1813.837891
9:20:58	65.60406494	5	43	8.125	116.9447784	-1.387108088	1809.47522	118.8549118	-0.742270947	1812.605103	117.6267624	-0.023864746	1813.843262
9:21:08	65.77185059	5	43	8.043749809	116.9664154	-1.391433477	1809.453613	118.8592377	-0.746594429	1812.600708	117.6310883	-0.028188705	1813.838867
9:21:18	65.93858337	5	43	7.987500191	116.9577637	-1.391433477	1809.46228	118.8592377	-0.746594429	1812.600708	117.6267624	-0.023864746	1813.843262
9:21:28	66.10568237	5	43	8.165624619	117.0064163	-1.440093517	1809.413574	118.8602905	-0.747646332	1812.599609	117.6321335	-0.029239655	1813.837891
9:21:39	66.27326965	5	43	7.921875477	116.9891052	-1.435763836	1809.430908	118.8602905	-0.747646332	1812.599609	117.6278152	-0.024917603	1813.842163
9:21:49	66.44069672	5	43	8.190625191	116.9944916	-1.441145658	1809.425537	118.8613434	-0.748698711	1812.598633	117.6288605	-0.025968552	1813.841064
9:21:59	66.60771942	5	43	8.071874619	116.954483	-1.401140928	1809.465576	118.8602905	-0.747646332	1812.599609	117.6321335	-0.029239655	1813.837891
9:22:09	66.77483368	5	43	8.025000572	116.9371719	-1.383830547	1809.48291	118.864624	-0.751978397	1812.595337	117.6278152	-0.024917603	1813.842163
9:22:19	66.94231415	5	43	8.03125	116.9285202	-1.375175476	1809.491577	118.8689423	-0.75630188	1812.591064	117.6234818	-0.020586014	1813.846436
9:22:29	67.1096344	5	43	8.021874428	116.954483	-1.383830547	1809.465576	118.8689423	-0.75630188	1812.591064	117.6278152	-0.024917603	1813.842163

RW-2 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	RW2_Flow	RW2_DW	RW2_WLD	RW2_WLE	MW49B_DW	MW49B_WLD	MW49B_WLE	MW49C_DW	MW49C_WLD	MW49C_WLE
9:22:39	67.27670288	5	43	8.028124809	116.9988174	-1.444418907	1809.421265	118.8689423	-0.75630188	1812.591064	117.6321335	-0.029239655	1813.837891
9:22:49	67.44374847	5	43	8.03125	116.9977646	-1.444418907	1809.422241	118.8689423	-0.75630188	1812.591064	117.6278152	-0.024917603	1813.842163
9:22:59	67.61094666	5	43	8.246874809	116.9923859	-1.439041376	1809.427612	118.8722229	-0.759581566	1812.587769	117.6310883	-0.028188705	1813.838867
9:23:09	67.77774811	5	43	8.128125191	116.9934387	-1.426056385	1809.426636	118.8765488	-0.76390934	1812.583374	117.6310883	-0.028188705	1813.838867
9:23:19	67.94543457	5	43	8.178125381	116.9717941	-1.418453455	1809.448242	118.8776016	-0.764961243	1812.582397	117.6321335	-0.029239655	1813.837891
9:23:29	68.11236572	5	43	8.006250381	116.9891052	-1.435763836	1809.430908	118.8776016	-0.764961243	1812.582397	117.6321335	-0.029239655	1813.837891
9:23:39	68.27929688	5	43	7.981249809	116.97612	-1.422778845	1809.44397	118.8776016	-0.764961243	1812.582397	117.6321335	-0.029239655	1813.837891
9:23:49	68.44680023	5	43	8.065625191	117.0161285	-1.453074217	1809.403931	118.8819275	-0.769289017	1812.578003	117.6321335	-0.029239655	1813.837891
9:23:59	68.61495209	5	43	7.90625	117.0064163	-1.456351757	1809.413574	118.8852081	-0.772564411	1812.574707	117.6310883	-0.028188705	1813.838867
9:24:09	68.78347015	5	43	8.028124809	117.0064163	-1.457403898	1809.413574	118.8829803	-0.770340919	1812.577026	117.6245346	-0.021636963	1813.845459
9:24:18	68.93505096	5	43	8.131250381	117.0031433	-1.436815977	1809.41687	118.8743286	-0.761685848	1812.585693	117.6331863	-0.030292511	1813.836792
9:24:28	69.1026001	5	43	7.990624905	116.954483	-1.40547061	1809.465576	118.8819275	-0.769289017	1812.578003	117.6321335	-0.029239655	1813.837891
9:24:38	69.27031708	5	43	7.943750381	116.9458313	-1.401140928	1809.474243	118.886261	-0.773616314	1812.57373	117.6321335	-0.029239655	1813.837891
9:24:48	69.43771362	5	43	8	116.9631424	-1.388160229	1809.456909	118.8819275	-0.769289017	1812.578003	117.6234818	-0.020586014	1813.846436
9:24:58	69.60468292	5	43	8.081250191	117.0107498	-1.453074217	1809.409302	118.8819275	-0.769289017	1812.578003	117.6321335	-0.029239655	1813.837891
9:25:08	69.77201843	5	43	8.018750191	117.0150757	-1.479041815	1809.405029	118.886261	-0.773616314	1812.57373	117.6364594	-0.033567429	1813.833496
9:25:18	69.93910217	5	43	8.159375191	117.0280533	-1.453074217	1809.391968	118.886261	-0.773616314	1812.57373	117.6321335	-0.029239655	1813.837891
9:26:59	71.61436462	5	43	8.09375	116.9674683	-1.418453455	1809.452637	118.8949127	-0.782271862	1812.565063	117.6278152	-0.024917603	1813.842163
9:28:39	73.2750473	5	43	8.181249619	117.045372	-1.492026806	1809.374634	118.9025192	-0.789874554	1812.557495	117.6267624	-0.023864746	1813.843262
9:30:18	74.93708038	5	43	8.246874809	117.0107498	-1.461733818	1809.409302	118.9035721	-0.790926933	1812.556396	117.6321335	-0.029239655	1813.837891
9:31:59	76.6162796	5	43	8.009374619	117.0496979	-1.495300055	1809.370361	118.9078979	-0.79525423	1812.552002	117.6321335	-0.029239655	1813.837891
9:33:40	78.27918243	5	43	8.162500381	117.048645	-1.495300055	1809.371338	118.911171	-0.798529625	1812.548828	117.6354141	-0.032516479	1813.834595
9:35:19	79.9421463	5	43	8.131250381	117.0226822	-1.472607613	1809.397339	118.9187775	-0.806132793	1812.541138	117.6343613	-0.031463623	1813.835571
9:36:59	81.60516357	5	43	8.353125572	117.0735626	-1.511558294	1809.346436	118.9187775	-0.806132793	1812.541138	117.6343613	-0.031463623	1813.835571
9:38:40	83.28354645	5	43	8.328125	117.0302811	-1.476937532	1809.389771	118.9274368	-0.814792156	1812.532471	117.6386871	-0.035791397	1813.831299
9:40:19	84.93386841	5	43	8.243749619	117.0778885	-1.515887976	1809.342163	118.9274368	-0.814792156	1812.532471	117.6343613	-0.031463623	1813.835571
9:42:00	86.61367035	5	43	8.262499809	117.0778885	-1.524543047	1809.342163	118.9317551	-0.819115639	1812.528198	117.6386871	-0.035791397	1813.831299
9:43:40	88.27811432	5	43	8.296875	117.051918	-1.498577595	1809.368164	118.9404144	-0.82777071	1812.519531	117.6343613	-0.031463623	1813.835571
9:45:19	89.94316864	5	43	8.228124619	117.1027985	-1.549458742	1809.317261	118.9393616	-0.82671833	1812.52063	117.6376343	-0.034738541	1813.832275
9:47:00	91.61301422	5	43	8.178125381	117.0498199	-1.496473312	1809.370239	118.9426346	-0.829993725	1812.517334	117.6409073	-0.038013458	1813.829102
9:48:39	93.27155304	5	43	8.315625191	117.0898132	-1.550510883	1809.3302	118.9447403	-0.832098484	1812.515259	117.6386871	-0.035791397	1813.831299
9:50:19	94.9426651	5	43	8.396875381	117.0941467	-1.549458742	1809.325928	118.9523468	-0.839701176	1812.507568	117.6419601	-0.039066315	1813.828003
9:51:59	96.60440063	5	43	8.368749619	117.0768356	-1.532146215	1809.343262	118.9480133	-0.835373878	1812.511963	117.6419601	-0.039066315	1813.828003
9:53:39	98.26920319	5	43	8.296875	117.1244431	-1.575424194	1809.295654	118.9566727	-0.844033241	1812.503296	117.6419601	-0.039066315	1813.828003
9:55:19	99.93344879	5	43	8.378125191	117.0974197	-1.544076681	1809.322632	118.954567	-0.841926575	1812.505371	117.6398544	-0.036960602	1813.830078
9:56:59	101.6116486	5	43	8.46875	117.1060791	-1.547352076	1809.313965	118.954567	-0.841926575	1812.505371	117.6398544	-0.036960602	1813.830078
9:58:39	103.2752533	5	43	8.440625191	117.1266632	-1.583027124	1809.293335	118.9642792	-0.85163641	1812.495728	117.6452408	-0.042346954	1813.824707
10:00:19	104.9381332	5	43	8.356249809	117.0974197	-1.544076681	1809.322632	118.9588928	-0.846250057	1812.501099	117.6441879	-0.041292191	1813.825806
10:01:59	106.6003494	5	43	8.578125	117.1363678	-1.587357044	1809.283691	118.9729309	-0.860291481	1812.487061	117.6409073	-0.038013458	1813.829102
10:03:39	108.2776489	5	43	8.478125572	117.1439667	-1.586302519	1809.276123	118.9675446	-0.854905128	1812.492432	117.6398544	-0.036960602	1813.830078
10:05:19	109.9393845	5	43	8.293749809	117.095314	-1.541967869	1809.324707	118.9664917	-0.853850842	1812.493408	117.6474609	-0.044561386	1813.82251
10:06:59	111.6014328	5	43	8.621874809	117.1396484	-1.586302519	1809.280396	118.9718781	-0.859237194	1812.488037	117.6485138	-0.045614243	1813.821411
10:08:39	113.2684174	5	43	8.496875763	117.1829224	-1.629580736	1809.237061	118.9848633	-0.872220039	1812.475098	117.6441879	-0.041292191	1813.825806
10:10:19	114.9435349	5	43	8.653124809	117.1872482	-1.633906126	1809.232788	118.9891891	-0.876547337	1812.470825	117.6398544	-0.036960602	1813.830078
10:12:00	116.6063004	5	43	8.762499809	117.149353	-1.600339651	1809.270752	118.9859161	-0.873274326	1812.473999	117.6409073	-0.038013458	1813.829102
10:13:40	118.2692184	5	43	8.509375572	117.1330948	-1.579754114	1809.286987	118.986969	-0.874326229	1812.473022	117.6462936	-0.043397903	1813.82373
10:15:20	119.9446869	5	43	8.506249428	117.2077179	-1.631687164	1809.21228	118.986969	-0.874326229	1812.473022	117.6462936	-0.043397903	1813.82373
10:15:25	120.0282516	6	45	9.015625	117.3072586	-1.684672594	1809.112793	118.9880219	-0.875378609	1812.471924	117.6473465	-0.04445076	1813.822632

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RW-2 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	RW2_Flow	RW2_DW	RW2_WLD	RW2_WLE	MW49B_DW	MW49B_WLD	MW49B_WLE	MW49C_DW	MW49C_WLD	MW49C_WLE
10:15:30	120.1121368	6	45	15.39999962	117.53125	-1.97030437	1808.888794	118.9880219	-0.875378609	1812.471924	117.6473465	-0.04445076	1813.822632
10:15:35	120.1960144	6	45	14.88125038	117.7216721	-2.11206913	1808.698364	119.008606	-0.895964146	1812.451416	117.6419601	-0.039066315	1813.828003
10:15:40	120.2795639	6	45	15.18124962	117.8255386	-2.272194266	1808.594482	119.0302429	-0.917602062	1812.429688	117.6462936	-0.043397903	1813.82373
10:15:45	120.364151	6	45	15.05624962	117.9174728	-2.363077998	1808.502563	119.0562134	-0.943572044	1812.403809	117.6419601	-0.039066315	1813.828003
10:15:50	120.4482193	6	45	15.35312557	117.973732	-2.407408237	1808.446289	119.1135254	-1.000883102	1812.346436	117.6386871	-0.035791397	1813.831299
10:15:54	120.5158844	6	45	15.234375	118.0029755	-2.436649084	1808.417114	119.1124725	-0.999830723	1812.347534	117.6419601	-0.039066315	1813.828003
10:15:59	120.6001129	6	45	15.38437462	118.0429764	-2.488582373	1808.377075	119.16008	-1.047438622	1812.299927	117.6462936	-0.043397903	1813.82373
10:16:04	120.6841812	6	45	14.96562481	118.0862503	-2.532910466	1808.33374	119.1870956	-1.074451923	1812.272827	117.6473465	-0.04445076	1813.822632
10:16:10	120.768486	6	45	14.00937462	118.1165466	-2.563203573	1808.303467	119.2087402	-1.096094131	1812.251221	117.643013	-0.040119171	1813.826904
10:16:15	120.8530807	6	45	14.31874943	118.1511688	-2.597828627	1808.268921	119.2390289	-1.126387596	1812.220947	117.643013	-0.040119171	1813.826904
10:16:20	120.9373169	6	45	14.52812576	118.1944504	-2.641106725	1808.225586	119.25634	-1.143697739	1812.203613	117.643013	-0.040119171	1813.826904
10:16:25	121.0210648	6	45	14.47187519	118.2377243	-2.688710093	1808.182373	119.2693253	-1.156680584	1812.190674	117.643013	-0.040119171	1813.826904
10:16:30	121.1052322	6	45	13.75	118.2507095	-2.680055022	1808.169312	119.2823105	-1.169667721	1812.177612	117.643013	-0.040119171	1813.826904
10:16:35	121.1887817	6	45	14.91562462	118.2680206	-2.714680076	1808.151978	119.3082733	-1.195633411	1812.151733	117.643013	-0.040119171	1813.826904
10:16:40	121.2727509	6	45	15.10312557	118.2680206	-2.714680076	1808.151978	119.3212585	-1.20861578	1812.138672	117.643013	-0.040119171	1813.826904
10:16:45	121.3572464	6	45	15.13749981	118.2680206	-2.719005466	1808.151978	119.3342438	-1.221598625	1812.125732	117.643013	-0.040119171	1813.826904
10:16:50	121.4408188	6	45	14.953125	118.2810059	-2.714680076	1808.139038	119.3342438	-1.221598625	1812.125732	117.643013	-0.040119171	1813.826904
10:16:55	121.5249863	6	45	14.89687538	118.27668	-2.731988192	1808.143311	119.3515549	-1.238909245	1812.108398	117.643013	-0.040119171	1813.826904
10:17:00	121.6093369	6	45	15.1875	118.2939835	-2.740643382	1808.126099	119.3558807	-1.243240833	1812.104126	117.6386871	-0.035791397	1813.831299
10:17:05	121.6930313	6	45	14.90625	118.2810059	-2.723335266	1808.139038	119.3645401	-1.251896381	1812.095459	117.643013	-0.040119171	1813.826904
10:17:10	121.7767334	6	45	15.21875	118.298317	-2.727660656	1808.121704	119.3688583	-1.256219387	1812.091064	117.6473465	-0.04445076	1813.822632
10:17:15	121.8606491	6	45	15.17812443	118.298317	-2.744973183	1808.121704	119.3731918	-1.260547161	1812.086792	117.643013	-0.040119171	1813.826904
10:17:20	121.9444504	6	45	15.01875114	118.3156281	-2.753628314	1808.10437	119.3861771	-1.273534298	1812.07373	117.643013	-0.040119171	1813.826904
10:17:25	122.0279465	6	45	15.30624962	118.3199539	-2.766613305	1808.100098	119.3948288	-1.282189369	1812.065186	117.6473465	-0.04445076	1813.822632
10:17:30	122.1119003	6	45	13.64062405	118.3459244	-2.792578816	1808.074097	119.3991547	-1.286512375	1812.060791	117.6473465	-0.04445076	1813.822632
10:17:35	122.1964493	6	45	9.431249619	118.4065094	-2.844512045	1808.01355	119.4034882	-1.29084444	1812.056519	117.643013	-0.040119171	1813.826904
10:17:40	122.2799683	6	45	13.51875114	118.4324722	-2.871527553	1807.987549	119.4078064	-1.295167446	1812.052124	117.643013	-0.040119171	1813.826904
10:17:45	122.3639832	6	45	14.44687557	118.4281464	-2.870475352	1807.991943	119.4164734	-1.303827286	1812.043457	117.6516724	-0.048774719	1813.818359
10:17:50	122.4475327	6	45	15.234375	118.4368057	-2.879130542	1807.983276	119.4251251	-1.312482357	1812.03479	117.6473465	-0.04445076	1813.822632
10:17:55	122.5310669	6	45	14.55312538	118.4368057	-2.870475352	1807.983276	119.429451	-1.31680584	1812.030518	117.6473465	-0.04445076	1813.822632
10:18:00	122.6148682	6	45	11.359375	118.4454575	-2.893167675	1807.974609	119.4381027	-1.325460911	1812.021851	117.643013	-0.040119171	1813.826904
10:18:05	122.698967	6	45	14.89687538	118.4454575	-2.896445274	1807.974609	119.4424362	-1.329792976	1812.017578	117.6386871	-0.035791397	1813.831299
10:18:10	122.7844009	6	45	14.66562462	118.4411316	-2.887790143	1807.978882	119.4554138	-1.342775345	1812.004517	117.6473465	-0.04445076	1813.822632
10:18:15	122.8684006	6	45	15.25625038	118.4368057	-2.883460343	1807.983276	119.451088	-1.338448048	1812.008911	117.643013	-0.040119171	1813.826904
10:18:21	122.9519348	6	45	15.51250076	118.4194946	-2.866150022	1808.000488	119.4597473	-1.347103119	1812.000244	117.6386871	-0.035791397	1813.831299
10:18:26	123.0365524	6	45	14.65000057	118.4281464	-2.874805152	1807.991943	119.4640732	-1.351430893	1811.99585	117.643013	-0.040119171	1813.826904
10:18:31	123.1203308	6	45	14.65312576	118.4194946	-2.866150022	1808.000488	119.4684067	-1.355762482	1811.991577	117.643013	-0.040119171	1813.826904
10:18:36	123.2039642	6	45	15.53124905	118.4368057	-2.883460343	1807.983276	119.4684067	-1.355762482	1811.991577	117.643013	-0.040119171	1813.826904
10:18:41	123.2877655	6	45	14.99374962	118.4627686	-2.90942806	1807.957275	119.4727249	-1.360085964	1811.987183	117.6473465	-0.04445076	1813.822632
10:18:46	123.3714981	6	45	13.46250057	118.4714279	-2.918083251	1807.948608	119.4727249	-1.360085964	1811.987183	117.6473465	-0.04445076	1813.822632
10:18:51	123.4555969	6	45	14.58750057	118.4844055	-2.931063771	1807.935669	119.4857101	-1.37306881	1811.974243	117.643013	-0.040119171	1813.826904
10:18:55	123.5232697	6	45	14.94375038	118.5060501	-2.931063771	1807.91394	119.4813843	-1.368741035	1811.978516	117.643013	-0.040119171	1813.826904
10:19:00	123.6076508	6	45	15.22500038	118.510376	-2.957033694	1807.909668	119.4857101	-1.37306881	1811.974243	117.643013	-0.040119171	1813.826904
10:19:05	123.6920166	6	45	15.13437462	118.5060501	-2.961359084	1807.91394	119.490036	-1.377396107	1811.969971	117.6386871	-0.035791397	1813.831299
10:19:10	123.776001	6	45	15.28125	118.5147018	-2.974341869	1807.905396	119.490036	-1.377396107	1811.969971	117.6386871	-0.035791397	1813.831299
10:19:15	123.8603821	6	45	15.09999943	118.5190353	-2.965688884	1807.901001	119.4943695	-1.381723881	1811.965576	117.643013	-0.040119171	1813.826904
10:19:20	123.9453964	6	45	15.03437424	118.5233612	-2.971070826	1807.896729	119.5030212	-1.390378952	1811.956909	117.643013	-0.040119171	1813.826904
10:19:25	124.0291672	6	45	14.93124962	118.5190353	-2.970018685	1807.901001	119.5030212	-1.390378952	1811.956909	117.643013	-0.040119171	1813.826904

RW-2 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	RW2_Flow	RW2_DW	RW2_WLD	RW2_WLE	MW49B_DW	MW49B_WLD	MW49B_WLE	MW49C_DW	MW49C_WLD	MW49C_WLE
10:19:30	124.1127014	6	45	15.50312519	118.5190353	-2.965688884	1807.901001	119.5030212	-1.390378952	1811.956909	117.6473465	-0.04445076	1813.822632
10:19:35	124.1963348	6	45	14.68437481	118.5190353	-2.957033694	1807.901001	119.5073547	-1.394711018	1811.952637	117.643013	-0.040119171	1813.826904
10:19:40	124.2798996	6	45	14.69062614	118.5147018	-2.970018685	1807.905396	119.5073547	-1.394711018	1811.952637	117.643013	-0.040119171	1813.826904
10:19:45	124.3636703	6	45	14.58750057	118.5233612	-2.965688884	1807.896729	119.511673	-1.399034023	1811.948242	117.643013	-0.040119171	1813.826904
10:19:50	124.4477844	6	45	14.67500019	118.5276871	-2.974341869	1807.892334	119.511673	-1.399034023	1811.948242	117.643013	-0.040119171	1813.826904
10:19:55	124.5320358	6	45	15.13749981	118.5363388	-2.974341869	1807.883667	119.5160065	-1.403366089	1811.94397	117.6473465	-0.04445076	1813.822632
10:20:00	124.6165161	6	45	14.890625	118.5200806	-2.974341869	1807.899902	119.5203323	-1.407689095	1811.939575	117.643013	-0.040119171	1813.826904
10:20:05	124.70047	6	45	15.25937462	118.549324	-2.982997	1807.870728	119.5203323	-1.407689095	1811.939575	117.643013	-0.040119171	1813.826904
10:20:10	124.7845154	6	45	14.984375	118.5536575	-3.013292313	1807.866333	119.5246658	-1.41202116	1811.935303	117.6473465	-0.04445076	1813.822632
10:20:15	124.8683472	6	45	14.71562576	118.5623093	-3.008966923	1807.857788	119.5289917	-1.416348934	1811.930908	117.6473465	-0.04445076	1813.822632
10:20:20	124.9521866	6	45	14.69999981	118.5839462	-3.017622113	1807.83606	119.5333176	-1.420676708	1811.926636	117.6473465	-0.04445076	1813.822632
10:20:31	125.1190643	6	45	14.72187519	118.5839462	-3.030604899	1807.83606	119.5289917	-1.416348934	1811.930908	117.6473465	-0.04445076	1813.822632
10:20:41	125.2881851	6	45	14.88749981	118.5666351	-3.013292313	1807.853394	119.5376434	-1.425004005	1811.922363	117.643013	-0.040119171	1813.826904
10:20:51	125.4552689	6	45	14.53125	118.5709686	-3.017622113	1807.849121	119.5376434	-1.425004005	1811.922363	117.643013	-0.040119171	1813.826904
10:21:01	125.6234665	6	45	14.69062614	118.5536575	-3.000311792	1807.866333	119.5419769	-1.429331779	1811.917969	117.643013	-0.040119171	1813.826904
10:21:11	125.7917023	6	45	15.09375	118.5579834	-3.000311792	1807.862061	119.5419769	-1.429331779	1811.917969	117.6516724	-0.048774719	1813.818359
10:21:21	125.9593353	6	45	14.13124943	118.5806732	-3.018674314	1807.839355	119.5473557	-1.434711456	1811.912598	117.6527252	-0.049825668	1813.817261
10:21:31	126.1271667	6	45	14.38125038	118.6109695	-3.057622552	1807.809082	119.5516815	-1.43903923	1811.908325	117.6483994	-0.045503616	1813.821533
10:21:41	126.2949142	6	45	14.71562576	118.6196213	-3.066277742	1807.800415	119.5560074	-1.443366528	1811.903931	117.6440659	-0.04117012	1813.825928
10:21:50	126.4462357	6	45	15.08125114	118.6109695	-3.061952353	1807.809082	119.5516815	-1.43903923	1811.908325	117.6440659	-0.04117012	1813.825928
10:22:00	126.61763	6	45	14.87500095	118.5903778	-3.053297222	1807.829712	119.5613861	-1.448746204	1811.89856	117.6451187	-0.042222977	1813.824829
10:22:10	126.785614	6	45	13.88124943	118.5849991	-3.045689821	1807.835083	119.5646667	-1.452021599	1811.895264	117.63974	-0.036842346	1813.8302
10:22:21	126.9530029	6	45	14.12187481	118.6023102	-3.048967421	1807.817749	119.5689926	-1.456349373	1811.890991	117.63974	-0.036842346	1813.8302
10:22:30	127.1192169	6	45	15.19687462	118.6023102	-3.04463762	1807.817749	119.5689926	-1.456349373	1811.890991	117.6440659	-0.04117012	1813.825928
10:22:40	127.2856522	6	45	14.28437519	118.628273	-3.074932933	1807.791748	119.5733185	-1.460677147	1811.886597	117.6440659	-0.04117012	1813.825928
10:22:51	127.4523468	6	45	15.47812557	118.6326065	-3.079262733	1807.787476	119.5722656	-1.459624767	1811.887695	117.6473465	-0.04445076	1813.822632
10:23:01	127.6272202	6	45	14.85625076	118.6369324	-3.086865723	1807.783081	119.5722656	-1.459624767	1811.887695	117.6473465	-0.04445076	1813.822632
10:23:11	127.7957001	6	45	15.234375	118.6369324	-3.079262733	1807.783081	119.5733185	-1.460677147	1811.886597	117.6440659	-0.04117012	1813.825928
10:23:21	127.9629364	6	45	15.21249962	118.6196213	-3.053297222	1807.800415	119.5776443	-1.465004444	1811.882324	117.6483994	-0.045503616	1813.821533
10:23:31	128.1306152	6	45	15.20312405	118.5903778	-3.032709241	1807.829712	119.5786972	-1.466056824	1811.881226	117.6451187	-0.042222977	1813.824829
10:23:40	128.2818604	6	45	15.78125095	118.5849991	-3.04463762	1807.835083	119.5819778	-1.469332218	1811.87793	117.6440659	-0.04117012	1813.825928
10:23:50	128.4499512	6	45	13.68124962	118.6412582	-3.066277742	1807.778809	119.5819778	-1.469332218	1811.87793	117.6440659	-0.04117012	1813.825928
10:24:00	128.6179199	6	45	14.89687538	118.6509628	-3.09762305	1807.769043	119.5830231	-1.470384121	1811.876953	117.6451187	-0.042222977	1813.824829
10:24:11	128.786026	6	45	13.50625038	118.6629028	-3.10955584	1807.75708	119.5863037	-1.473659515	1811.873657	117.63974	-0.036842346	1813.8302
10:24:21	128.9529877	6	45	15.32499981	118.6542435	-3.10090065	1807.765747	119.5906372	-1.477991581	1811.869385	117.6440659	-0.04117012	1813.825928
10:24:31	129.1203766	6	45	15.56874943	118.6412582	-3.087917864	1807.778809	119.5906372	-1.477991581	1811.869385	117.63974	-0.036842346	1813.8302
10:24:41	129.2879333	6	45	15.24374962	118.6336594	-3.080314875	1807.786377	119.5916901	-1.479043961	1811.868286	117.6494522	-0.046554565	1813.820557
10:24:51	129.4562531	6	45	14.87187481	118.6206741	-3.071659744	1807.799316	119.5916901	-1.479043961	1811.868286	117.6407928	-0.037895203	1813.829224
10:25:01	129.6232147	6	45	15.26249981	118.6130676	-3.077037275	1807.807007	119.5970612	-1.484419346	1811.862915	117.6461716	-0.043275833	1813.823853
10:25:11	129.7898407	6	45	15.30937576	118.6563492	-3.081367075	1807.763672	119.5927353	-1.480095863	1811.867188	117.6418457	-0.038948059	1813.828125
10:25:21	129.956955	6	45	14.38437557	118.6682816	-3.114937782	1807.751709	119.6003418	-1.487699032	1811.859619	117.6494522	-0.046554565	1813.820557
10:27:01	131.6332092	6	45	15.30937576	118.6682816	-3.114937782	1807.751709	119.6089935	-1.496354103	1811.850952	117.6407928	-0.037895203	1813.829224
10:28:41	133.293869	6	45	15.26249981	118.643364	-3.080314875	1807.776733	119.6219788	-1.509336948	1811.838013	117.6407928	-0.037895203	1813.829224
10:30:21	134.9592133	6	45	15.02500057	118.682312	-3.128970504	1807.737793	119.6230316	-1.510389328	1811.836914	117.6461716	-0.043275833	1813.823853
10:32:00	136.6187592	6	45	14.94062519	118.6909714	-3.128970504	1807.729126	119.6273575	-1.514712334	1811.832642	117.6418457	-0.038948059	1813.828125
10:33:41	138.2988434	6	45	14.85312462	118.6487503	-3.107330382	1807.77124	119.6316833	-1.519044399	1811.828247	117.6418457	-0.038948059	1813.828125
10:35:21	139.9620667	6	45	15.23750019	118.7169342	-3.141955495	1807.703125	119.6370621	-1.524421692	1811.822876	117.6428986	-0.040002823	1813.827026
10:37:00	141.621048	6	45	14.36875057	118.7126083	-3.146285295	1807.707397	119.6403427	-1.527699471	1811.81958	117.6418457	-0.038948059	1813.828125

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RW-2 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	RW2_Flow	RW2_DW	RW2_WLD	RW2_WLE	MW49B_DW	MW49B_WLD	MW49B_WLE	MW49C_DW	MW49C_WLD	MW49C_WLE
10:38:41	143.2975616	6	45	15.16250038	118.6952972	-3.146285295	1807.724731	119.6489944	-1.536354542	1811.810913	117.6461716	-0.043275833	1813.823853
10:40:21	144.9605103	6	45	15.34062481	118.7472305	-3.189558923	1807.672852	119.6576538	-1.54501009	1811.802246	117.6418457	-0.038948059	1813.828125
10:42:01	146.6227112	6	45	15.21249962	118.7418518	-3.188506782	1807.678223	119.6609268	-1.548285484	1811.799072	117.6407928	-0.037895203	1813.829224
10:43:40	148.2878876	6	45	15.25937462	118.7072296	-3.158213675	1807.712769	119.6652527	-1.552612782	1811.794678	117.6407928	-0.037895203	1813.829224
10:45:20	149.9523926	6	45	15.48124981	118.7591629	-3.201491714	1807.660889	119.6695862	-1.556940556	1811.790405	117.6451187	-0.042222977	1813.824829
10:47:01	151.6296234	6	45	15.49062443	118.754837	-3.205821514	1807.665161	119.673912	-1.561267853	1811.786011	117.6364594	-0.033567429	1813.833496
10:48:40	153.2857971	6	45	15.34687424	118.7288666	-3.166871011	1807.691162	119.6728592	-1.56021595	1811.787109	117.63974	-0.036842346	1813.8302
10:50:21	154.953598	6	45	15.44062519	118.776474	-3.214476705	1807.643555	119.6782379	-1.565595627	1811.781738	117.6407928	-0.037895203	1813.829224
10:52:02	156.6309814	6	45	15.53124905	118.7775269	-3.218799889	1807.642578	119.6825638	-1.569923401	1811.777344	117.6364594	-0.033567429	1813.833496
10:53:41	158.2869873	6	45	15.44062519	118.7505112	-3.192836523	1807.669556	119.6912231	-1.578578472	1811.768799	117.6364594	-0.033567429	1813.833496
10:55:22	159.9638824	6	45	15.4375	118.7807999	-3.214476705	1807.639282	119.6912231	-1.578578472	1811.768799	117.6451187	-0.042222977	1813.824829
10:57:02	161.6282806	6	45	15.42499924	118.7851257	-3.214476705	1807.634888	119.6868896	-1.574250698	1811.773071	117.6451187	-0.042222977	1813.824829
10:58:42	163.2924042	6	45	15.58749962	118.7505112	-3.197166324	1807.669556	119.6912231	-1.578578472	1811.768799	117.6364594	-0.033567429	1813.833496
11:00:21	164.9573059	6	45	15.38749886	118.7667694	-3.240440011	1807.65332	119.695549	-1.582905769	1811.764404	117.6407928	-0.037895203	1813.829224
11:02:01	166.6207886	6	45	15.33749962	118.7927322	-3.22640723	1807.627319	119.6944962	-1.581853867	1811.765503	117.63974	-0.036842346	1813.8302
11:03:41	168.2822723	6	45	15.58125019	118.7634888	-3.210146904	1807.656494	119.7042084	-1.591565609	1811.755737	117.6407928	-0.037895203	1813.829224
11:05:21	169.9474335	6	45	15.35624981	118.776474	-3.22312963	1807.643555	119.6998749	-1.587233543	1811.760132	117.6364594	-0.033567429	1813.833496
11:07:01	171.6266937	6	45	15.515625	118.794838	-3.224181831	1807.625244	119.7052612	-1.592617512	1811.754639	117.6418457	-0.038948059	1813.828125
11:08:41	173.2814636	6	45	15.62187481	118.8002167	-3.242546558	1807.619873	119.7063141	-1.593672276	1811.753662	117.6385727	-0.035675049	1813.831421
11:10:21	174.9618988	6	45	15.671875	118.7958908	-3.234945774	1807.624146	119.71064	-1.597995281	1811.749268	117.6385727	-0.035675049	1813.831421
11:12:01	176.6244812	6	45	15.41874981	118.7569427	-3.217637599	1807.663086	119.7116928	-1.599049568	1811.748291	117.6396255	-0.036727905	1813.830322
11:13:41	178.2865601	6	45	15.45312595	118.7926178	-3.260915697	1807.627441	119.7116928	-1.599049568	1811.748291	117.6439514	-0.041055679	1813.82605
11:15:21	179.9468689	6	45	15.78437519	118.8229141	-3.269570857	1807.597168	119.7203445	-1.607704639	1811.739624	117.6396255	-0.036727905	1813.830322
11:15:26	180.0306396	7	47	22.02187538	118.8618622	-3.308519155	1807.558228	119.7203445	-1.607704639	1811.739624	117.6396255	-0.036727905	1813.830322
11:15:31	180.1145325	7	47	21.80937576	119.1128769	-3.559530169	1807.307129	119.7203445	-1.607704639	1811.739624	117.6439514	-0.041055679	1813.82605
11:15:36	180.197876	7	47	22.15937614	119.2903137	-3.736967811	1807.129761	119.7290039	-1.616360188	1811.730957	117.6396255	-0.036727905	1813.830322
11:15:41	180.2817383	7	47	22.234375	119.4071579	-3.827849329	1807.012939	119.746315	-1.633674622	1811.713623	117.6396255	-0.036727905	1813.830322
11:15:46	180.3655396	7	47	21.98124886	119.4850616	-3.923060626	1806.934937	119.764679	-1.652037144	1811.695313	117.6406784	-0.037780762	1813.829346
11:15:51	180.4490662	7	47	22.26874924	119.5586319	-3.992306426	1806.86145	119.8155594	-1.702916145	1811.644409	117.6396255	-0.036727905	1813.830322
11:15:56	180.5336456	7	47	21.66875076	119.6062393	-4.052894831	1806.813843	119.8415222	-1.728881836	1811.618408	117.6396255	-0.036727905	1813.830322
11:16:01	180.6168976	7	47	22.19062424	119.6581726	-4.10482806	1806.761841	119.8674927	-1.754851341	1811.592529	117.6439514	-0.041055679	1813.82605
11:16:06	180.70047	7	47	21.92812538	119.7014465	-4.148103923	1806.718628	119.9064407	-1.793799877	1811.553467	117.6439514	-0.041055679	1813.82605
11:16:11	180.7840729	7	47	22.078125	119.7663651	-4.213022143	1806.653687	119.9237518	-1.81111002	1811.536255	117.6396255	-0.036727905	1813.830322

RW-2 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	MW49D_DW	MW49D_WLD	MW49D_WLE	BarometricPress
8:15:26	0.079016663	2	37	117.59021	0	1813.869751	30.26444435
8:15:31	0.16263333	2	37	117.59021	0	1813.869751	30.26444435
8:15:36	0.247199997	2	37	117.5858765	0.004333496	1813.874023	30.26444435
8:15:41	0.331183344	2	37	117.59021	0	1813.869751	30.26444435
8:15:46	0.415783346	2	37	117.59021	0	1813.869751	30.26444435
8:15:51	0.500016689	2	37	117.5869293	0.003278732	1813.873047	30.26537704
8:15:56	0.583966672	2	37	117.5858765	0.004333496	1813.874023	30.26537704
8:16:01	0.66806668	2	37	117.59021	0	1813.869751	30.26444435
8:16:05	0.735316694	2	37	117.59021	0	1813.869751	30.26444435
8:16:10	0.819249988	2	37	117.5945358	-0.004322052	1813.865479	30.26444435
8:16:15	0.903383315	2	37	117.5945358	-0.004322052	1813.865479	30.26444435
8:16:20	0.987500012	2	37	117.5945358	-0.004322052	1813.865479	30.26444435
8:16:25	1.071416616	2	37	117.5988617	-0.008653641	1813.861084	30.26444435
8:16:30	1.155366659	2	37	117.5945358	-0.004322052	1813.865479	30.26444435
8:16:35	1.238816619	2	37	117.5945358	-0.004322052	1813.865479	30.26444435
8:16:40	1.323366642	2	37	117.5988617	-0.008653641	1813.861084	30.26444435
8:16:45	1.407549977	2	37	117.5988617	-0.008653641	1813.861084	30.26444435
8:16:50	1.491766691	2	37	117.5988617	-0.008653641	1813.861084	30.26444435
8:16:55	1.575383306	2	37	117.5988617	-0.008653641	1813.861084	30.26444435
8:17:01	1.65958333	2	37	117.5988617	-0.008653641	1813.861084	30.26444435
8:17:06	1.743600011	2	37	117.5988617	-0.008653641	1813.861084	30.26444435
8:17:11	1.827700019	2	37	117.5945358	-0.004322052	1813.865479	30.26444435
8:17:16	1.912383318	2	37	117.5945358	-0.004322052	1813.865479	30.26444435
8:17:21	1.995933294	2	37	117.5945358	-0.004322052	1813.865479	30.26444435
8:17:26	2.079233408	2	37	117.5945358	-0.004322052	1813.865479	30.26444435
8:17:31	2.163399935	2	37	117.5945358	-0.004322052	1813.865479	30.26444435
8:17:36	2.247266769	2	37	117.59021	0	1813.869751	30.26444435
8:17:41	2.330950022	2	37	117.59021	0	1813.869751	30.26444435
8:17:46	2.41441679	2	37	117.5945358	-0.004322052	1813.865479	30.26444435
8:17:51	2.497950077	2	37	117.5988617	-0.008653641	1813.861084	30.26444435
8:17:56	2.582016706	2	37	117.5945358	-0.004322052	1813.865479	30.26444435
8:18:01	2.665583372	2	37	117.5945358	-0.004322052	1813.865479	30.26444435
8:18:06	2.749166727	2	37	117.59021	0	1813.869751	30.26444435
8:18:11	2.832550049	2	37	117.5945358	-0.004322052	1813.865479	30.26444435
8:18:16	2.916199923	2	37	117.5988617	-0.008653641	1813.861084	30.26444435
8:18:21	2.999899864	2	37	117.5945358	-0.004322052	1813.865479	30.26444435
8:18:26	3.082866669	2	37	117.59021	0	1813.869751	30.26444435
8:18:31	3.16626668	2	37	117.59021	0	1813.869751	30.26444435
8:18:36	3.250183344	2	37	117.59021	0	1813.869751	30.26444435
8:18:41	3.33431673	2	37	117.5945358	-0.004322052	1813.865479	30.26444435
8:18:46	3.418366671	2	37	117.5945358	-0.004322052	1813.865479	30.26444435
8:18:51	3.502766609	2	37	117.5945358	-0.004322052	1813.865479	30.26444435
8:18:56	3.587266684	2	37	117.59021	0	1813.869751	30.26351357
8:19:01	3.671649933	2	37	117.593483	-0.003271103	1813.866455	30.26444435
8:19:06	3.755899906	2	37	117.59021	0	1813.869751	30.26444435
8:19:11	3.840033293	2	37	117.593483	-0.003271103	1813.866455	30.26444435
8:19:16	3.924266815	2	37	117.5945358	-0.004322052	1813.865479	30.26444435
8:19:21	4.008150101	2	37	117.5945358	-0.004322052	1813.865479	30.26444435

RW-2 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	MW49D_DW	MW49D_WLD	MW49D_WLE	BarometricPress
8:19:26	4.092483521	2	37	117.5945358	-0.004322052	1813.865479	30.26444435
8:19:32	4.176783562	2	37	117.5945358	-0.004322052	1813.865479	30.26351357
8:19:37	4.260966778	2	37	117.5945358	-0.004322052	1813.865479	30.26444435
8:19:42	4.345166683	2	37	117.5988617	-0.008653641	1813.861084	30.26444435
8:19:47	4.428649902	2	37	117.5945358	-0.004322052	1813.865479	30.26444435
8:19:52	4.512183189	2	37	117.59021	0	1813.869751	30.26444435
8:19:57	4.595766544	2	37	117.59021	0	1813.869751	30.26444435
8:20:02	4.679366589	2	37	117.5955887	-0.005376816	1813.86438	30.26444435
8:20:07	4.763166428	2	37	117.5988617	-0.008653641	1813.861084	30.26444435
8:20:11	4.830033302	2	37	117.5945358	-0.004322052	1813.865479	30.26444435
8:20:16	4.914150238	3	39	117.59021	0	1813.869751	30.26444435
8:20:26	5.082383156	3	39	117.5945358	-0.004322052	1813.865479	30.26444435
8:20:36	5.249916553	3	39	117.5945358	-0.004322052	1813.865479	30.26444435
8:20:46	5.418000221	3	39	117.5945358	-0.004322052	1813.865479	30.26444435
8:20:56	5.585633278	3	39	117.5945358	-0.004322052	1813.865479	30.26444435
8:21:06	5.753700256	3	39	117.5945358	-0.004322052	1813.865479	30.26444435
8:21:16	5.921866417	3	39	117.5945358	-0.004322052	1813.865479	30.26444435
8:21:26	6.088300228	3	39	117.5955887	-0.005376816	1813.86438	30.26444435
8:21:36	6.256083488	3	39	117.59021	0	1813.869751	30.26444435
8:21:46	6.424766541	3	39	117.5988617	-0.008653641	1813.861084	30.26444435
8:21:57	6.59193325	3	39	117.6031876	-0.0129776	1813.856812	30.26444435
8:22:06	6.759533405	3	39	117.5999222	-0.009708405	1813.859985	30.26444435
8:22:16	6.927149773	3	39	117.5988617	-0.008653641	1813.861084	30.26537704
8:22:28	7.09499979	3	39	117.5912628	-0.001052856	1813.868652	30.26444435
8:22:38	7.262599945	3	39	117.5988617	-0.008653641	1813.861084	30.26444435
8:22:48	7.430083275	3	39	117.5999222	-0.009708405	1813.859985	30.26537704
8:22:58	7.598016739	3	39	117.5999222	-0.009708405	1813.859985	30.26537704
8:23:08	7.765749931	3	39	117.5988617	-0.008653641	1813.861084	30.26444435
8:23:18	7.932766914	3	39	117.5988617	-0.008653641	1813.861084	30.26444435
8:23:28	8.099200249	3	39	117.5945358	-0.004322052	1813.865479	30.26444435
8:23:38	8.266349792	3	39	117.6031876	-0.0129776	1813.856812	30.26444435
8:23:48	8.434483528	3	39	117.5988617	-0.008653641	1813.861084	30.26444435
8:23:57	8.586000443	3	39	117.5988617	-0.008653641	1813.861084	30.26444435
8:24:07	8.753582954	3	39	117.5945358	-0.004322052	1813.865479	30.26444435
8:24:17	8.921549797	3	39	117.5988617	-0.008653641	1813.861084	30.26351357
8:24:27	9.089083672	3	39	117.6031876	-0.0129776	1813.856812	30.26444435
8:24:37	9.256250381	3	39	117.5945358	-0.004322052	1813.865479	30.26444435
8:24:47	9.424166679	3	39	117.5988617	-0.008653641	1813.861084	30.26444435
8:24:57	9.591600418	3	39	117.5988617	-0.008653641	1813.861084	30.26444435
8:25:08	9.766233444	3	39	117.5988617	-0.008653641	1813.861084	30.26444435
8:25:18	9.934249878	3	39	117.5945358	-0.004322052	1813.865479	30.26444435
8:26:57	11.59465027	3	39	117.5988617	-0.008653641	1813.861084	30.26537704
8:28:37	13.25578308	3	39	117.5945358	-0.004322052	1813.865479	30.26444435
8:30:18	14.93321705	3	39	117.6031876	-0.0129776	1813.856812	30.26537704
8:31:57	16.58646584	3	39	117.6031876	-0.0129776	1813.856812	30.26537704
8:33:38	18.26305008	3	39	117.5988617	-0.008653641	1813.861084	30.26444435
8:35:17	19.92794991	3	39	117.5988617	-0.008653641	1813.861084	30.26537704
8:36:57	21.58821678	3	39	117.5955887	-0.005376816	1813.86438	30.26537704

RW-2 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	MW49D_DW	MW49D_WLD	MW49D_WLE	BarometricPress
8:38:38	23.26709938	3	39	117.5945358	-0.004322052	1813.865479	30.26444435
8:40:17	24.9284668	3	39	117.6021347	-0.011924744	1813.857788	30.26444435
8:41:57	26.59115028	3	39	117.5978165	-0.007602692	1813.862183	30.26444435
8:43:37	28.25528336	3	39	117.6031876	-0.0129776	1813.856812	30.26444435
8:45:17	29.91851616	3	39	117.6031876	-0.0129776	1813.856812	30.26351357
8:46:57	31.59183311	3	39	117.6021347	-0.011924744	1813.857788	30.26351357
8:48:37	33.26678467	3	39	117.6010895	-0.010873795	1813.858887	30.26351357
8:50:17	34.92228317	3	39	117.6010895	-0.010873795	1813.858887	30.26351357
8:51:57	36.58641815	3	39	117.6021347	-0.011924744	1813.857788	30.26351357
8:53:38	38.26326752	3	39	117.6031876	-0.0129776	1813.856812	30.26444435
8:55:18	39.92558289	3	39	117.5999222	-0.009708405	1813.859985	30.26537704
8:56:58	41.58996582	3	39	117.5978165	-0.007602692	1813.862183	30.26351357
8:58:38	43.2547493	3	39	117.6075134	-0.017305374	1813.852417	30.26444435
9:00:17	44.91796494	3	39	117.6085739	-0.018360138	1813.85144	30.26537704
9:01:58	46.59938431	3	39	117.6075134	-0.017305374	1813.852417	30.26444435
9:03:38	48.26046753	3	39	117.6021347	-0.011924744	1813.857788	30.26351357
9:05:18	49.92300034	3	39	117.6064606	-0.016252518	1813.853516	30.26351357
9:06:57	51.58256531	4	41	117.6107941	-0.020580292	1813.849121	30.26351357
9:08:38	53.26166534	4	41	117.6118469	-0.021633148	1813.848145	30.26351357
9:10:18	54.92931747	4	41	117.6107941	-0.020580292	1813.849121	30.26351357
9:11:58	56.59004974	4	41	117.6140671	-0.023855209	1813.845947	30.26258469
9:13:37	58.25344849	4	41	117.6151199	-0.024908066	1813.844849	30.26351357
9:15:18	59.93090057	4	41	117.6107941	-0.020580292	1813.849121	30.26351357
9:15:23	60.01448441	5	43	117.6151199	-0.024908066	1813.844849	30.26351357
9:15:28	60.09806824	5	43	117.6194534	-0.029239655	1813.840454	30.26258469
9:15:33	60.18198395	5	43	117.6140671	-0.023855209	1813.845947	30.26258469
9:15:37	60.24964905	5	43	117.6151199	-0.024908066	1813.844849	30.26258469
9:15:42	60.33328247	5	43	117.6184006	-0.028188705	1813.841553	30.26258469
9:15:47	60.41656494	5	43	117.6140671	-0.023855209	1813.845947	30.26258469
9:15:52	60.50081635	5	43	117.6184006	-0.028188705	1813.841553	30.26258469
9:15:57	60.58464813	5	43	117.6194534	-0.029239655	1813.840454	30.26258469
9:16:02	60.66875076	5	43	117.6097412	-0.019527435	1813.85022	30.26258469
9:16:07	60.75296783	5	43	117.6097412	-0.019527435	1813.85022	30.26258469
9:16:12	60.83675003	5	43	117.6097412	-0.019527435	1813.85022	30.26258469
9:16:17	60.92113495	5	43	117.6107941	-0.020580292	1813.849121	30.26351357
9:16:22	61.00484848	5	43	117.6140671	-0.023855209	1813.845947	30.26258469
9:16:28	61.08883286	5	43	117.6140671	-0.023855209	1813.845947	30.26258469
9:16:33	61.17333221	5	43	117.6140671	-0.023855209	1813.845947	30.26258469
9:16:38	61.25731659	5	43	117.6140671	-0.023855209	1813.845947	30.26258469
9:16:43	61.34126663	5	43	117.6097412	-0.019527435	1813.85022	30.26258469
9:16:48	61.42504883	5	43	117.6140671	-0.023855209	1813.845947	30.26258469
9:16:53	61.50831604	5	43	117.6097412	-0.019527435	1813.85022	30.26258469
9:16:58	61.59223175	5	43	117.6184006	-0.028188705	1813.841553	30.26258469
9:17:03	61.67720032	5	43	117.6097412	-0.019527435	1813.85022	30.26258469
9:17:08	61.76083374	5	43	117.6118469	-0.021633148	1813.848145	30.26351357
9:17:13	61.84529877	5	43	117.6140671	-0.023855209	1813.845947	30.26258469
9:17:18	61.92881775	5	43	117.6140671	-0.023855209	1813.845947	30.26258469
9:17:23	62.01250076	5	43	117.6140671	-0.023855209	1813.845947	30.26258469

RW-2 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	MW49D_DW	MW49D_WLD	MW49D_WLE	BarometricPress
9:17:28	62.09619904	5	43	117.6140671	-0.023855209	1813.845947	30.26258469
9:17:33	62.18000031	5	43	117.6107941	-0.020580292	1813.849121	30.26351357
9:17:38	62.26341629	5	43	117.6151199	-0.024908066	1813.844849	30.26351357
9:17:43	62.3476181	5	43	117.6107941	-0.020580292	1813.849121	30.26351357
9:17:48	62.4314003	5	43	117.6097412	-0.019527435	1813.85022	30.26351357
9:17:53	62.51546478	5	43	117.6151199	-0.024908066	1813.844849	30.26351357
9:17:58	62.59899902	5	43	117.6107941	-0.020580292	1813.849121	30.26351357
9:18:03	62.68336487	5	43	117.6107941	-0.020580292	1813.849121	30.26351357
9:18:08	62.76789856	5	43	117.6140671	-0.023855209	1813.845947	30.26351357
9:18:13	62.85210037	5	43	117.6151199	-0.024908066	1813.844849	30.26351357
9:18:18	62.93569946	5	43	117.6151199	-0.024908066	1813.844849	30.26351357
9:18:23	63.01931763	5	43	117.6151199	-0.024908066	1813.844849	30.26351357
9:18:28	63.10308456	5	43	117.6151199	-0.024908066	1813.844849	30.26351357
9:18:33	63.18690109	5	43	117.6140671	-0.023855209	1813.845947	30.26351357
9:18:38	63.27141571	5	43	117.6140671	-0.023855209	1813.845947	30.26258469
9:18:43	63.35549927	5	43	117.6097412	-0.019527435	1813.85022	30.26258469
9:18:48	63.43891525	5	43	117.6097412	-0.019527435	1813.85022	30.26258469
9:18:53	63.52216721	5	43	117.6097412	-0.019527435	1813.85022	30.26258469
9:18:58	63.60556793	5	43	117.6184006	-0.028188705	1813.841553	30.26258469
9:19:04	63.69004822	5	43	117.6140671	-0.023855209	1813.845947	30.26258469
9:19:09	63.77393341	5	43	117.6140671	-0.023855209	1813.845947	30.26258469
9:19:14	63.85786819	5	43	117.6140671	-0.023855209	1813.845947	30.26258469
9:19:19	63.94158173	5	43	117.6140671	-0.023855209	1813.845947	30.26258469
9:19:24	64.02539825	5	43	117.6151199	-0.024908066	1813.844849	30.26351357
9:19:28	64.09331512	5	43	117.6140671	-0.023855209	1813.845947	30.26351357
9:19:33	64.1771698	5	43	117.6140671	-0.023855209	1813.845947	30.26258469
9:19:38	64.26132965	5	43	117.6151199	-0.024908066	1813.844849	30.26351357
9:19:43	64.34518433	5	43	117.6140671	-0.023855209	1813.845947	30.26258469
9:19:48	64.42888641	5	43	117.6194534	-0.029239655	1813.840454	30.26351357
9:19:53	64.51243591	5	43	117.6194534	-0.029239655	1813.840454	30.26351357
9:19:58	64.59663391	5	43	117.6107941	-0.020580292	1813.849121	30.26351357
9:20:03	64.68066406	5	43	117.6107941	-0.020580292	1813.849121	30.26444435
9:20:08	64.76443481	5	43	117.6107941	-0.020580292	1813.849121	30.26351357
9:20:13	64.84851837	5	43	117.6107941	-0.020580292	1813.849121	30.26351357
9:20:18	64.93226624	5	43	117.6151199	-0.024908066	1813.844849	30.26444435
9:20:28	65.10075378	5	43	117.6107941	-0.020580292	1813.849121	30.26351357
9:20:38	65.26906586	5	43	117.6194534	-0.029239655	1813.840454	30.26351357
9:20:48	65.43681335	5	43	117.6151199	-0.024908066	1813.844849	30.26258469
9:20:58	65.60406494	5	43	117.6140671	-0.023855209	1813.845947	30.26258469
9:21:08	65.77185059	5	43	117.6184006	-0.028188705	1813.841553	30.26258469
9:21:18	65.93858337	5	43	117.6140671	-0.023855209	1813.845947	30.26258469
9:21:28	66.10568237	5	43	117.6151199	-0.024908066	1813.844849	30.26351357
9:21:39	66.27326965	5	43	117.6194534	-0.029239655	1813.840454	30.26351357
9:21:49	66.44069672	5	43	117.6205063	-0.030292511	1813.839478	30.26444435
9:21:59	66.60771942	5	43	117.6151199	-0.024908066	1813.844849	30.26351357
9:22:09	66.77483368	5	43	117.6107941	-0.020580292	1813.849121	30.26351357
9:22:19	66.94231415	5	43	117.6194534	-0.029239655	1813.840454	30.26351357
9:22:29	67.1096344	5	43	117.6151199	-0.024908066	1813.844849	30.26351357

RW-2 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	MW49D_DW	MW49D_WLD	MW49D_WLE	BarometricPress
9:22:39	67.27670288	5	43	117.6151199	-0.024908066	1813.844849	30.26351357
9:22:49	67.44374847	5	43	117.6194534	-0.029239655	1813.840454	30.26351357
9:22:59	67.61094666	5	43	117.6140671	-0.023855209	1813.845947	30.26258469
9:23:09	67.77774811	5	43	117.6097412	-0.019527435	1813.85022	30.26258469
9:23:19	67.94543457	5	43	117.6151199	-0.024908066	1813.844849	30.26351357
9:23:29	68.11236572	5	43	117.6151199	-0.024908066	1813.844849	30.26351357
9:23:39	68.27929688	5	43	117.6194534	-0.029239655	1813.840454	30.26351357
9:23:49	68.44680023	5	43	117.6194534	-0.029239655	1813.840454	30.26444435
9:23:59	68.61495209	5	43	117.6184006	-0.028188705	1813.841553	30.26351357
9:24:09	68.78347015	5	43	117.6248245	-0.034614563	1813.835083	30.26351357
9:24:18	68.93505096	5	43	117.6205063	-0.030292511	1813.839478	30.26444435
9:24:28	69.1026001	5	43	117.6194534	-0.029239655	1813.840454	30.26351357
9:24:38	69.27031708	5	43	117.6194534	-0.029239655	1813.840454	30.26351357
9:24:48	69.43771362	5	43	117.6194534	-0.029239655	1813.840454	30.26351357
9:24:58	69.60468292	5	43	117.6194534	-0.029239655	1813.840454	30.26351357
9:25:08	69.77201843	5	43	117.6151199	-0.024908066	1813.844849	30.26351357
9:25:18	69.93910217	5	43	117.6151199	-0.024908066	1813.844849	30.26351357
9:26:59	71.61436462	5	43	117.6194534	-0.029239655	1813.840454	30.26351357
9:28:39	73.2750473	5	43	117.6184006	-0.028188705	1813.841553	30.26351357
9:30:18	74.93708038	5	43	117.6237793	-0.033563614	1813.836182	30.26351357
9:31:59	76.6162796	5	43	117.6151199	-0.024908066	1813.844849	30.26351357
9:33:40	78.27918243	5	43	117.6227264	-0.032510757	1813.83728	30.26258469
9:35:19	79.9421463	5	43	117.6216736	-0.031459808	1813.838257	30.26258469
9:36:59	81.60516357	5	43	117.6173477	-0.027135849	1813.842651	30.2616539
9:38:40	83.28354645	5	43	117.6216736	-0.031459808	1813.838257	30.2616539
9:40:19	84.93386841	5	43	117.6260071	-0.035791397	1813.833984	30.2616539
9:42:00	86.61367035	5	43	117.6260071	-0.035791397	1813.833984	30.2616539
9:43:40	88.27811432	5	43	117.6260071	-0.035791397	1813.833984	30.2616539
9:45:19	89.94316864	5	43	117.6249542	-0.034738541	1813.834961	30.26072502
9:47:00	91.61301422	5	43	117.6239014	-0.033685684	1813.83606	30.25979424
9:48:39	93.27155304	5	43	117.6303253	-0.040113449	1813.82959	30.26072502
9:50:19	94.9426651	5	43	117.6292725	-0.0390625	1813.830688	30.26072502
9:51:59	96.60440063	5	43	117.6206207	-0.030406952	1813.839355	30.26072502
9:53:39	98.26920319	5	43	117.6292725	-0.0390625	1813.830688	30.26072502
9:55:19	99.93344879	5	43	117.6271667	-0.03695488	1813.832764	30.25979424
9:56:59	101.6116486	5	43	117.6228485	-0.032632828	1813.837158	30.25979424
9:58:39	103.2752533	5	43	117.6282196	-0.038009644	1813.831787	30.25886345
10:00:19	104.9381332	5	43	117.6228485	-0.032632828	1813.837158	30.25979424
10:01:59	106.6003494	5	43	117.6282196	-0.038009644	1813.831787	30.26072502
10:03:39	108.2776489	5	43	117.6315002	-0.041286469	1813.828491	30.25886345
10:05:19	109.9393845	5	43	117.6261139	-0.035900116	1813.833862	30.25793076
10:06:59	111.6014328	5	43	117.6315002	-0.041286469	1813.828491	30.25886345
10:08:39	113.2684174	5	43	117.6315002	-0.041286469	1813.828491	30.25886345
10:10:19	114.9435349	5	43	117.6315002	-0.041286469	1813.828491	30.25886345
10:12:00	116.6063004	5	43	117.6325531	-0.042341232	1813.827393	30.25979424
10:13:40	118.2692184	5	43	117.633606	-0.043394089	1813.826416	30.26072502
10:15:20	119.9446869	5	43	117.633606	-0.043394089	1813.826416	30.26072502
10:15:25	120.0282516	6	45	117.6346588	-0.044446945	1813.825317	30.2616539

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RW-2 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	MW49D_DW	MW49D_WLD	MW49D_WLE	BarometricPress
10:15:30	120.1121368	6	45	117.6303253	-0.040113449	1813.82959	30.26072502
10:15:35	120.1960144	6	45	117.6292725	-0.0390625	1813.830688	30.26072502
10:15:40	120.2795639	6	45	117.6292725	-0.0390625	1813.830688	30.2616539
10:15:45	120.364151	6	45	117.633606	-0.043394089	1813.826416	30.2616539
10:15:50	120.4482193	6	45	117.6346588	-0.044446945	1813.825317	30.26072502
10:15:54	120.5158844	6	45	117.6292725	-0.0390625	1813.830688	30.2616539
10:15:59	120.6001129	6	45	117.6292725	-0.0390625	1813.830688	30.2616539
10:16:04	120.6841812	6	45	117.6346588	-0.044446945	1813.825317	30.2616539
10:16:10	120.768486	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:16:15	120.8530807	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:16:20	120.9373169	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:16:25	121.0210648	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:16:30	121.1052322	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:16:35	121.1887817	6	45	117.6260071	-0.035791397	1813.833984	30.2616539
10:16:40	121.2727509	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:16:45	121.3572464	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:16:50	121.4408188	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:16:55	121.5249863	6	45	117.6346588	-0.044446945	1813.825317	30.2616539
10:17:00	121.6093369	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:17:05	121.6930313	6	45	117.6260071	-0.035791397	1813.833984	30.2616539
10:17:10	121.7767334	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:17:15	121.8606491	6	45	117.6389771	-0.048768997	1813.821045	30.2616539
10:17:20	121.9444504	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:17:25	122.0279465	6	45	117.6346588	-0.044446945	1813.825317	30.2616539
10:17:30	122.1119003	6	45	117.6346588	-0.044446945	1813.825317	30.2616539
10:17:35	122.1964493	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:17:40	122.2799683	6	45	117.6346588	-0.044446945	1813.825317	30.2616539
10:17:45	122.3639832	6	45	117.6260071	-0.035791397	1813.833984	30.2616539
10:17:50	122.4475327	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:17:55	122.5310669	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:18:00	122.6148682	6	45	117.6346588	-0.044446945	1813.825317	30.2616539
10:18:05	122.698967	6	45	117.6346588	-0.044446945	1813.825317	30.2616539
10:18:10	122.7844009	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:18:15	122.8684006	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:18:21	122.9519348	6	45	117.6260071	-0.035791397	1813.833984	30.26258469
10:18:26	123.0365524	6	45	117.6303253	-0.040113449	1813.82959	30.26072502
10:18:31	123.1203308	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:18:36	123.2039642	6	45	117.6260071	-0.035791397	1813.833984	30.2616539
10:18:41	123.2877655	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:18:46	123.3714981	6	45	117.6346588	-0.044446945	1813.825317	30.2616539
10:18:51	123.4555969	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:18:55	123.5232697	6	45	117.6346588	-0.044446945	1813.825317	30.2616539
10:19:00	123.6076508	6	45	117.6346588	-0.044446945	1813.825317	30.2616539
10:19:05	123.6920166	6	45	117.6346588	-0.044446945	1813.825317	30.2616539
10:19:10	123.776001	6	45	117.6346588	-0.044446945	1813.825317	30.2616539
10:19:15	123.8603821	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:19:20	123.9453964	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:19:25	124.0291672	6	45	117.6303253	-0.040113449	1813.82959	30.2616539

RW-2 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	MW49D_DW	MW49D_WLD	MW49D_WLE	BarometricPress
10:19:30	124.1127014	6	45	117.6346588	-0.044446945	1813.825317	30.2616539
10:19:35	124.1963348	6	45	117.6346588	-0.044446945	1813.825317	30.2616539
10:19:40	124.2798996	6	45	117.6346588	-0.044446945	1813.825317	30.2616539
10:19:45	124.3636703	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:19:50	124.4477844	6	45	117.6346588	-0.044446945	1813.825317	30.2616539
10:19:55	124.5320358	6	45	117.6346588	-0.044446945	1813.825317	30.2616539
10:20:00	124.6165161	6	45	117.6346588	-0.044446945	1813.825317	30.2616539
10:20:05	124.70047	6	45	117.6346588	-0.044446945	1813.825317	30.2616539
10:20:10	124.7845154	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:20:15	124.8683472	6	45	117.6346588	-0.044446945	1813.825317	30.2616539
10:20:20	124.9521866	6	45	117.6346588	-0.044446945	1813.825317	30.2616539
10:20:31	125.1190643	6	45	117.6346588	-0.044446945	1813.825317	30.2616539
10:20:41	125.2881851	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:20:51	125.4552689	6	45	117.6303253	-0.040113449	1813.82959	30.2616539
10:21:01	125.6234665	6	45	117.6389771	-0.048768997	1813.821045	30.2616539
10:21:11	125.7917023	6	45	117.6389771	-0.048768997	1813.821045	30.2616539
10:21:21	125.9593353	6	45	117.6313782	-0.041166306	1813.828613	30.26258469
10:21:31	126.1271667	6	45	117.6357117	-0.045497894	1813.824219	30.26258469
10:21:41	126.2949142	6	45	117.6313782	-0.041166306	1813.828613	30.26258469
10:21:50	126.4462357	6	45	117.6313782	-0.041166306	1813.828613	30.26258469
10:22:00	126.61763	6	45	117.6367645	-0.046550751	1813.823242	30.26351357
10:22:10	126.785614	6	45	117.6313782	-0.041166306	1813.828613	30.26258469
10:22:21	126.9530029	6	45	117.6313782	-0.041166306	1813.828613	30.26258469
10:22:30	127.1192169	6	45	117.6357117	-0.045497894	1813.824219	30.26258469
10:22:40	127.2856522	6	45	117.6313782	-0.041166306	1813.828613	30.26258469
10:22:51	127.4523468	6	45	117.6346588	-0.044446945	1813.825317	30.26258469
10:23:01	127.6272202	6	45	117.6303253	-0.040113449	1813.82959	30.26258469
10:23:11	127.7957001	6	45	117.6313782	-0.041166306	1813.828613	30.26258469
10:23:21	127.9629364	6	45	117.6313782	-0.041166306	1813.828613	30.26258469
10:23:31	128.1306152	6	45	117.6367645	-0.046550751	1813.823242	30.26351357
10:23:40	128.2818604	6	45	117.6313782	-0.041166306	1813.828613	30.26258469
10:23:50	128.4499512	6	45	117.6357117	-0.045497894	1813.824219	30.26258469
10:24:00	128.6179199	6	45	117.6367645	-0.046550751	1813.823242	30.26351357
10:24:11	128.786026	6	45	117.6313782	-0.041166306	1813.828613	30.26258469
10:24:21	128.9529877	6	45	117.6313782	-0.041166306	1813.828613	30.26258469
10:24:31	129.1203766	6	45	117.6357117	-0.045497894	1813.824219	30.26258469
10:24:41	129.2879333	6	45	117.632431	-0.042219162	1813.827515	30.26351357
10:24:51	129.4562531	6	45	117.6281052	-0.037895203	1813.831909	30.26351357
10:25:01	129.6232147	6	45	117.6334839	-0.043270111	1813.826416	30.26444435
10:25:11	129.7898407	6	45	117.6334839	-0.043270111	1813.826416	30.26444435
10:25:21	129.956955	6	45	117.632431	-0.042219162	1813.827515	30.26351357
10:27:01	131.6332092	6	45	117.632431	-0.042219162	1813.827515	30.26351357
10:28:41	133.293869	6	45	117.632431	-0.042219162	1813.827515	30.26351357
10:30:21	134.9592133	6	45	117.6334839	-0.043270111	1813.826416	30.26444435
10:32:00	136.6187592	6	45	117.629158	-0.038948059	1813.830811	30.26444435
10:33:41	138.2988434	6	45	117.6334839	-0.043270111	1813.826416	30.26537704
10:35:21	139.9620667	6	45	117.6302185	-0.040002823	1813.829712	30.26444435
10:37:00	141.621048	6	45	117.629158	-0.038948059	1813.830811	30.26444435

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RW-2 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	MW49D_DW	MW49D_WLD	MW49D_WLE	BarometricPress
10:38:41	143.2975616	6	45	117.6334839	-0.043270111	1813.826416	30.26444435
10:40:21	144.9605103	6	45	117.6334839	-0.043270111	1813.826416	30.26444435
10:42:01	146.6227112	6	45	117.6367645	-0.046550751	1813.823242	30.26351357
10:43:40	148.2878876	6	45	117.632431	-0.042219162	1813.827515	30.26351357
10:45:20	149.9523926	6	45	117.6281052	-0.037895203	1813.831909	30.26351357
10:47:01	151.6296234	6	45	117.6281052	-0.037895203	1813.831909	30.26351357
10:48:40	153.2857971	6	45	117.6357117	-0.045497894	1813.824219	30.26351357
10:50:21	154.953598	6	45	117.6281052	-0.037895203	1813.831909	30.26351357
10:52:02	156.6309814	6	45	117.6281052	-0.037895203	1813.831909	30.26351357
10:53:41	158.2869873	6	45	117.632431	-0.042219162	1813.827515	30.26351357
10:55:22	159.9638824	6	45	117.6281052	-0.037895203	1813.831909	30.26351357
10:57:02	161.6282806	6	45	117.632431	-0.042219162	1813.827515	30.26351357
10:58:42	163.2924042	6	45	117.6281052	-0.037895203	1813.831909	30.26351357
11:00:21	164.9573059	6	45	117.6281052	-0.037895203	1813.831909	30.26258469
11:02:01	166.6207886	6	45	117.6313782	-0.041166306	1813.828613	30.26258469
11:03:41	168.2822723	6	45	117.632431	-0.042219162	1813.827515	30.26351357
11:05:21	169.9474335	6	45	117.6281052	-0.037895203	1813.831909	30.26351357
11:07:01	171.6266937	6	45	117.629158	-0.038948059	1813.830811	30.26444435
11:08:41	173.2814636	6	45	117.6302185	-0.040002823	1813.829712	30.26537704
11:10:21	174.9618988	6	45	117.625885	-0.035669327	1813.834106	30.26537704
11:12:01	176.6244812	6	45	117.6355896	-0.045379639	1813.824341	30.26630783
11:13:41	178.2865601	6	45	117.6355896	-0.045379639	1813.824341	30.26630783
11:15:21	179.9468689	6	45	117.6355896	-0.045379639	1813.824341	30.26630783
11:15:26	180.0306396	7	47	117.6312714	-0.041055679	1813.828735	30.26630783
11:15:31	180.1145325	7	47	117.6312714	-0.041055679	1813.828735	30.26630783
11:15:36	180.197876	7	47	117.6312714	-0.041055679	1813.828735	30.26630783
11:15:41	180.2817383	7	47	117.6312714	-0.041055679	1813.828735	30.26630783
11:15:46	180.3655396	7	47	117.6323242	-0.042108536	1813.827637	30.26630783
11:15:51	180.4490662	7	47	117.6312714	-0.041055679	1813.828735	30.26630783
11:15:56	180.5336456	7	47	117.6355896	-0.045379639	1813.824341	30.26630783
11:16:01	180.6168976	7	47	117.6312714	-0.041055679	1813.828735	30.26630783
11:16:06	180.70047	7	47	117.6312714	-0.041055679	1813.828735	30.26630783
11:16:11	180.7840729	7	47	117.6269379	-0.036724091	1813.833008	30.26630783

US EPA ARCHIVE DOCUMENT

RW-7 STEP TEST

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	RW7_Flow	RW7_DW	RW7_WLD	RW7_WLE	MW50B_DW	MW50B_WLD	MW50B_WLE	MW50C_DW	MW50C_WLD	MW50C_WLE
16:13:01	0.080983333	2	39	-0.0175	115.5331192	-0.122621536	1811.856934	117.8737183	0	1813.63623	117.7907104	0	1813.749268
16:13:06	0.165016666	2	39	-0.026250001	115.9009705	-0.490474701	1811.489014	117.8823776	-0.008655548	1813.627686	117.7907104	0	1813.749268
16:13:11	0.248866662	2	39	-0.026250001	115.9081955	-0.497695923	1811.481812	117.8823776	-0.008655548	1813.627686	117.7907104	0	1813.749268
16:13:16	0.332483321	2	39	-0.0175	115.7855682	-0.375070572	1811.604492	117.8780518	-0.004327774	1813.631958	117.7993622	-0.008651733	1813.740723
16:13:21	0.416116655	2	39	-0.0175	115.6917953	-0.281297684	1811.698242	117.8867035	-0.012982845	1813.623291	117.7993622	-0.008651733	1813.740723
16:13:26	0.500166655	2	39	-0.0175	115.6196671	-0.209169388	1811.770386	117.8910294	-0.017310619	1813.619019	117.8036957	-0.012983322	1813.736328
16:13:31	0.58373332	2	39	-0.026250001	115.5763931	-0.165893555	1811.813599	117.8780518	-0.004327774	1813.631958	117.7993622	-0.008651733	1813.740723
16:13:36	0.667599976	2	39	-0.0175	115.5331192	-0.122621536	1811.856934	117.8813248	-0.008655548	1813.628662	117.8026428	-0.012983322	1813.737427
16:17:36	0.075066663	2	47	-0.0175	115.6495819	-0.223602295	1811.740479	117.8877563	0	1813.622314	117.7874298	-0.004323959	1813.752563
16:17:41	0.158700004	2	47	7.490000248	119.3570251	-3.931049347	1808.032959	117.8877563	0	1813.622314	117.7874298	-0.004323959	1813.752563
16:17:46	0.242850006	2	47	34.99124908	122.1340027	-6.708030701	1805.255981	117.8834305	0.004327297	1813.626587	117.7960892	-0.0129776	1813.743896
16:17:51	0.326416671	2	47	62.65874863	124.1092987	-8.683322906	1803.280762	117.8780518	0.009709358	1813.631958	117.8123474	-0.029239655	1813.727661
16:17:56	0.409799993	2	47	44.79999924	125.4653244	-10.03935051	1801.924683	117.8867035	0.001054287	1813.623291	117.8339844	-0.050876617	1813.706055
16:18:01	0.493416667	2	47	27.01124954	126.656517	-11.23054314	1800.733521	117.8834305	0.004327297	1813.626587	117.8912964	-0.108190536	1813.648682
16:18:06	0.576983333	2	47	29.27750015	127.4561005	-12.03012371	1799.93396	117.8791046	0.008655071	1813.630859	117.9172668	-0.134159088	1813.622803
16:18:11	0.660283327	2	47	35.10499954	128.076416	-12.65043449	1799.313599	117.8737183	0.014037132	1813.63623	117.9681549	-0.159070969	1813.571899
16:18:16	0.743950009	2	47	11.92625046	128.6029663	-13.17698288	1798.787109	117.8737183	0.014037132	1813.63623	117.9681549	-0.185041428	1813.571899
16:18:21	0.827566683	2	47	4.532500267	129.0717926	-13.64581966	1798.318237	117.8780518	0.009709358	1813.631958	118.0244064	-0.241298676	1813.515625
16:18:26	0.911050022	2	47	10.00125027	129.3386841	-13.91270351	1798.05127	117.8737183	0.014037132	1813.63623	118.0503693	-0.267259598	1813.489624
16:18:31	0.994966686	2	47	26.14499855	129.360321	-13.93434143	1798.029663	117.8780518	0.009709358	1813.631958	118.0936508	-0.288902283	1813.446411
16:18:36	1.07858336	2	47	51.31874847	129.1439209	-13.71795273	1798.246094	117.8791046	0.008655071	1813.630859	118.1206741	-0.337564468	1813.419312
16:18:41	1.16293335	2	47	63.21875	128.9358063	-13.50983524	1798.454224	117.8877563	0	1813.622314	118.1423111	-0.359203339	1813.397705
16:18:46	1.2469666	2	47	62.59749985	128.7266388	-13.30065823	1798.66333	117.8867035	0	1813.623291	118.1499176	-0.367858887	1813.390137
16:18:51	1.331799984	2	47	67.66374969	128.4947662	-13.06878853	1798.895264	117.8823776	0.005381584	1813.627686	118.1845322	-0.384113312	1813.355469
16:18:56	1.415516615	2	47	57.20750046	128.3731995	-12.94722176	1799.016846	117.8737183	0.004327297	1813.63623	118.1975174	-0.402479172	1813.342529
16:19:01	1.499533296	2	47	47.08375168	128.2423096	-12.81633568	1799.147705	117.8737183	0.014037132	1813.63623	118.2105026	-0.427394867	1813.32959
16:19:06	1.583616734	2	47	35.67375183	128.1413269	-12.71535301	1799.248657	117.8780518	0.009709358	1813.631958	118.219162	-0.436050415	1813.320923
16:19:11	1.667383313	2	47	18.48874855	128.0991058	-12.67313099	1799.290894	117.8780518	0.005381584	1813.631958	118.240799	-0.444700241	1813.299194
16:19:16	1.751333356	2	47	36.47875214	127.7745209	-12.34854889	1799.615479	117.8747787	0.008655071	1813.635254	118.2505035	-0.458742142	1813.289551
16:19:21	1.835116625	2	47	48.46625137	127.406662	-11.98068714	1799.983398	117.8791046	0.008655071	1813.630859	118.2591629	-0.476051331	1813.280884
16:19:26	1.919433355	2	47	53.47999954	127.0099487	-11.58397484	1800.380127	117.8791046	0.008655071	1813.630859	118.2634888	-0.480379105	1813.276611
16:19:31	2.003083229	2	47	53.8125	126.6637268	-11.23775482	1800.726318	117.8877563	0.004327297	1813.622314	118.276474	-0.489034653	1813.26355
16:19:36	2.086833239	2	47	53.47999954	126.3102951	-10.99972916	1801.079712	117.8834305	0.004327297	1813.626587	118.276474	-0.493362427	1813.26355
16:19:41	2.170300007	2	47	54.8975029	126.0784302	-10.71737289	1801.311523	117.8780518	0.009709358	1813.631958	118.2754211	-0.492307663	1813.264648
16:19:46	2.254116535	2	47	54.42499924	125.8249207	-10.47213173	1801.565063	117.8640137	0.023744583	1813.645996	118.28302	-0.499910355	1813.25708
16:19:52	2.337816715	2	47	51.41500092	125.6085358	-10.18255615	1801.781494	117.8726654	0.015089035	1813.637329	118.2873459	-0.504238129	1813.252686
16:19:57	2.421900034	2	47	50.65375137	125.3993607	-9.973384857	1801.990601	117.8737183	0.014037132	1813.63623	118.2883987	-0.505290985	1813.251587
16:20:02	2.505583286	2	47	49.46374893	125.1768112	-9.750837326	1802.213257	117.8823776	0.005381584	1813.627686	118.2883987	-0.505290985	1813.251587
16:20:07	2.589633465	2	47	48.29999924	124.9892731	-9.563299179	1802.400757	117.8823776	0.005381584	1813.627686	118.2970581	-0.513946533	1813.24292
16:20:12	2.674000025	2	47	46.05999756	124.7811584	-9.35518074	1802.608887	117.8747787	0.012982368	1813.635254	118.2937851	-0.510673523	1813.246216
16:20:17	2.75758338	2	47	44.91374969	124.5647659	-9.138788223	1802.825195	117.8791046	0.008655071	1813.630859	118.2894592	-0.506345749	1813.25061
16:20:22	2.841099977	2	47	42.65625	124.348381	-8.922403336	1803.041626	117.8791046	0.008655071	1813.630859	118.2937851	-0.510673523	1813.246216
16:20:27	2.924133301	2	47	42.08749771	124.117569	-8.691589355	1803.272461	117.8780518	0.009709358	1813.631958	118.2927246	-0.509618759	1813.247314
16:20:32	3.007699966	2	47	40.91500092	123.856842	-8.430870056	1803.533203	117.8834305	0.004327297	1813.626587	118.2894592	-0.506345749	1813.25061
16:20:37	3.091733456	2	47	39.54999924	123.5899658	-8.163991928	1803.800049	117.8737183	0.014037132	1813.63623	118.2883987	-0.505290985	1813.251587
16:20:42	3.175183296	2	47	37.86999893	123.3302994	-7.904321671	1804.059692	117.8737183	0.014037132	1813.63623	118.2883987	-0.505290985	1813.251587

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	RW7_Flow	RW7_DW	RW7_WLD	RW7_WLE	MW50B_DW	MW50B_WLD	MW50B_WLE	MW50C_DW	MW50C_WLD	MW50C_WLE
16:20:46	3.242449999	2	47	40.71374893	123.1283417	-7.702362061	1804.261719	117.8693924	0.018364906	1813.640625	118.2883987	-0.505290985	1813.251587
16:20:52	3.342183352	2	47	38.85874939	122.8398209	-7.413843155	1804.550171	117.8737183	0.009709358	1813.63623	118.279747	-0.500963211	1813.260254
16:20:57	3.425899982	2	47	37.68625259	122.5873642	-7.161390305	1804.802612	117.8910294	-0.003273487	1813.619019	118.279747	-0.496635437	1813.260254
16:21:01	3.493183374	2	47	35.34125137	122.3998337	-6.973855972	1804.990234	117.8867035	-0.003273487	1813.623291	118.2710876	-0.496635437	1813.268921
16:21:06	3.576550007	2	47	34.63249969	122.1618042	-6.735830307	1805.228271	117.8780518	0.009709358	1813.631958	118.2710876	-0.487979889	1813.268921
16:21:11	3.659983397	2	47	32.31375122	121.9165649	-6.490589142	1805.473389	117.8823776	0.014037132	1813.627686	118.2624359	-0.487979889	1813.277588
16:21:16	3.744349957	2	47	33.25	121.7001801	-6.274200439	1805.689819	117.8823776	0.005381584	1813.627686	118.25811	-0.474998474	1813.281982
16:21:21	3.828350067	2	47	32.45375061	121.4910049	-6.065027237	1805.899048	117.8693924	0.018364906	1813.640625	118.25811	-0.474998474	1813.281982
16:21:26	3.912366629	2	47	32.61999893	121.2890396	-5.863061905	1806.100952	117.8737183	0.014037132	1813.63623	118.25811	-0.474998474	1813.281982
16:21:31	3.995699883	2	47	32.71625137	121.0726471	-5.646673203	1806.317383	117.8867035	0.001054287	1813.623291	118.2494507	-0.466342926	1813.290527
16:21:36	4.07921648	2	47	32.13875198	120.8851166	-5.45913887	1806.504883	117.8737183	0.014037132	1813.63623	118.240799	-0.457687378	1813.299194
16:21:41	4.163849831	2	47	31.12374878	120.7120056	-5.286027908	1806.677979	117.8693924	0.018364906	1813.640625	118.2321396	-0.44903183	1813.307861
16:21:46	4.24818325	2	47	34.11624908	120.5388947	-5.134557724	1806.851074	117.8867035	0.001054287	1813.623291	118.2278137	-0.444700241	1813.312256
16:21:51	4.331983566	2	47	31.94625092	120.416275	-5.026363373	1806.973755	117.8823776	0.005381584	1813.627686	118.2234879	-0.440376282	1813.316528
16:21:56	4.415750027	2	47	35.27999878	120.3441467	-4.925380707	1807.045898	117.8780518	0.009709358	1813.631958	118.2148285	-0.431716919	1813.325195
16:22:01	4.499416828	2	47	34.29999924	120.264801	-4.846038818	1807.125244	117.8780518	0.009709358	1813.631958	118.2105026	-0.427394867	1813.32959
16:22:06	4.583000183	2	47	34.72000122	120.2143097	-4.802759171	1807.175659	117.8780518	0.009709358	1813.631958	118.2018509	-0.418739319	1813.338135
16:22:11	4.667533398	2	47	35.23624802	120.1782455	-4.766695023	1807.211792	117.8693924	0.018364906	1813.640625	118.1975174	-0.41440773	1813.342529
16:22:16	4.751600266	2	47	37.88750076	120.1493988	-4.730634689	1807.240601	117.8823776	0.005381584	1813.627686	118.1975174	-0.41440773	1813.342529
16:22:21	4.835566521	2	47	36.38249969	120.1493988	-4.723419189	1807.240601	117.8867035	0.001054287	1813.623291	118.188858	-0.405752182	1813.351196
16:22:26	4.920650005	2	47	36.58375168	120.1143799	-4.717258453	1807.275635	117.8834305	0.004327297	1813.626587	118.1855927	-0.402479172	1813.354492
16:22:36	5.08706665	2	47	40.41624832	120.0999603	-4.67398262	1807.290039	117.8791046	0.008655071	1813.630859	118.1769333	-0.393823624	1813.363159
16:22:47	5.255716801	2	47	38.61375046	120.0844727	-4.658500671	1807.305542	117.8747787	0.012982368	1813.635254	118.1769333	-0.393823624	1813.363159
16:22:57	5.424233437	2	47	37.31874847	120.0772629	-4.651288986	1807.312744	117.8823776	0.005381584	1813.627686	118.1672211	-0.384113312	1813.372803
16:23:07	5.592000008	2	47	38.63124847	120.0556183	-4.629646301	1807.334351	117.8737183	0.014037132	1813.63623	118.1585693	-0.375459671	1813.38147
16:23:17	5.760166645	2	47	39.13875198	120.0484161	-4.622436523	1807.341553	117.8737183	0.014037132	1813.63623	118.1585693	-0.375459671	1813.38147
16:23:27	5.928249836	2	47	35.08750153	120.0484161	-4.622436523	1807.341553	117.8737183	0.014037132	1813.63623	118.1542435	-0.371131897	1813.385742
16:23:37	6.096549988	2	47	37.93999863	120.0411987	-4.615224838	1807.348877	117.8650665	0.022691727	1813.644897	118.1455841	-0.362476349	1813.394409
16:23:47	6.265200138	2	47	35.63874817	120.0401459	-4.614171982	1807.349854	117.8737183	0.019416809	1813.63623	118.1499176	-0.370079041	1813.390137
16:23:57	6.422500134	2	47	37.52000046	120.033989	-4.608013153	1807.356079	117.8737183	0.014037132	1813.63623	118.1455841	-0.362476349	1813.394409
16:24:07	6.590233326	2	47	36.35625076	120.0484161	-4.622436523	1807.341553	117.8650665	0.022691727	1813.644897	118.1499176	-0.366804123	1813.390137
16:24:17	6.758566856	2	47	31.09749985	120.027832	-4.601852417	1807.362183	117.8704453	0.017310143	1813.639526	118.146637	-0.363531113	1813.393433
16:24:27	6.925583363	2	47	37.76499939	120.033989	-4.608013153	1807.356079	117.8607407	0.027019501	1813.649292	118.1412582	-0.358148575	1813.398804
16:24:37	7.09311676	2	47	38.78000259	120.0267715	-4.600797653	1807.363281	117.8737183	0.014037132	1813.63623	118.1412582	-0.358148575	1813.398804
16:24:47	7.260016441	2	47	39.36624908	120.027832	-4.601852417	1807.362183	117.8791046	0.008655071	1813.630859	118.1423111	-0.359203339	1813.397705
16:24:57	7.427316666	2	47	40.03125	120.0257263	-4.599746704	1807.364258	117.8726654	0.015089035	1813.637329	118.1358795	-0.352767944	1813.404175
16:25:07	7.594716549	2	47	41.03750229	120.0257263	-4.599746704	1807.364258	117.8726654	0.015089035	1813.637329	118.1402054	-0.357095718	1813.39978
16:25:17	7.762266636	2	47	40.04875183	120.0411987	-4.615224838	1807.348877	117.8780518	0.009709358	1813.631958	118.1412582	-0.353820801	1813.398804
16:25:27	7.930449963	2	47	39.27000046	120.0267715	-4.600797653	1807.363281	117.8780518	0.009709358	1813.631958	118.1412582	-0.358148575	1813.398804
16:25:37	8.098016739	2	47	39.12125015	120.0411987	-4.615224838	1807.348877	117.8780518	0.009709358	1813.631958	118.1325989	-0.349489212	1813.407471
16:25:47	8.267183304	2	47	35.10499954	120.0473633	-4.621383667	1807.342651	117.8726654	0.015089035	1813.637329	118.1358795	-0.352767944	1813.404175
16:25:57	8.434267044	2	47	38.29874802	120.0473633	-4.621383667	1807.342651	117.8726654	0.015089035	1813.637329	118.131546	-0.348436356	1813.408447
16:26:06	8.58551693	2	47	38.16749954	120.0473633	-4.621383667	1807.342651	117.8640137	0.023744583	1813.645996	118.1358795	-0.352767944	1813.404175
16:26:16	8.754966736	2	47	36.1724968	120.0473633	-4.606962204	1807.342651	117.8813248	0.010761738	1813.628662	118.1358795	-0.357095718	1813.404175
16:26:27	8.922200203	2	47	41.00249863	120.0700531	-4.644079208	1807.319946	117.8823776	0.005381584	1813.627686	118.1325989	-0.349489212	1813.407471
16:26:37	9.08975029	2	47	37.94874954	120.0401459	-4.614171982	1807.349854	117.8726654	0.015089035	1813.637329	118.1358795	-0.352767944	1813.404175

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RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	RW7_Flow	RW7_DW	RW7_WLD	RW7_WLE	MW50B_DW	MW50B_WLD	MW50B_WLE	MW50C_DW	MW50C_WLD	MW50C_WLE
16:26:47	9.257499695	2	47	38.78874969	120.0329361	-4.606962204	1807.357056	117.8813248	0.006433964	1813.628662	118.1402054	-0.357095718	1813.39978
16:26:57	9.424850464	2	47	39.32249832	120.0473633	-4.621383667	1807.342651	117.8769989	0.010761738	1813.633057	118.1358795	-0.352767944	1813.404175
16:27:07	9.592716217	2	47	38.9375	120.033989	-4.608013153	1807.356079	117.8813248	0.006433964	1813.628662	118.1358795	-0.348436356	1813.404175
16:27:17	9.759616852	2	47	37.99250031	120.0473633	-4.621383667	1807.342651	117.8726654	0.015089035	1813.637329	118.131546	-0.348436356	1813.408447
16:27:27	9.928483009	2	47	39.77750015	120.0185089	-4.592535019	1807.37146	117.8683395	0.023744583	1813.641724	118.1358795	-0.352767944	1813.404175
16:29:07	11.59168339	2	47	31.12374878	120.2194214	-4.793441772	1807.170654	117.8716125	0.016143322	1813.638428	118.1391525	-0.356042862	1813.400879
16:30:46	13.25405025	2	47	34.69374847	120.2338409	-4.807868958	1807.156128	117.8845978	0.007488251	1813.625366	118.1434784	-0.360368729	1813.396606
16:32:27	14.93378353	2	47	35.49000168	120.2554779	-4.82950592	1807.134521	117.875946	0.011816025	1813.634033	118.1521301	-0.369024277	1813.387939
16:34:07	16.59773254	2	47	40.17124939	120.2699127	-4.843933105	1807.120117	117.8716125	0.016143322	1813.638428	118.1521301	-0.373352051	1813.387939
16:35:47	18.25943375	2	47	40.59999847	120.2771225	-4.851144791	1807.112915	117.8802719	0.007488251	1813.629761	118.1521301	-0.369024277	1813.387939
16:37:26	19.92326736	2	47	41.21250153	120.2915497	-4.851144791	1807.098511	117.8845978	0.003160477	1813.625366	118.1521301	-0.369024277	1813.387939
16:39:06	21.58646584	2	47	40.33750153	120.3131866	-4.887208939	1807.076782	117.875946	0.011816025	1813.634033	118.1651154	-0.382007599	1813.374878
16:40:47	23.2658329	2	47	41.25625229	120.3131866	-4.887208939	1807.076782	117.8889236	-0.001166821	1813.621094	118.1607895	-0.377679825	1813.379272
16:42:27	24.92421722	2	47	42.14875031	120.3121338	-4.886156082	1807.077881	117.8748932	0.012867928	1813.635132	118.1597366	-0.376626968	1813.380249
16:44:07	26.60025024	2	47	39.99625015	120.3193512	-4.893371582	1807.070679	117.8792191	0.00854063	1813.630737	118.1727219	-0.389610291	1813.36731
16:45:46	28.25704956	2	47	41.68499756	120.3409882	-4.915010452	1807.049072	117.8965302	-0.008769989	1813.613525	118.168396	-0.380954742	1813.371582
16:47:27	29.93180084	2	47	38.18499756	120.3471451	-4.921169281	1807.042847	117.8911514	-0.003390312	1813.618896	118.1673431	-0.384231567	1813.372681
16:49:06	31.58833313	2	47	41.47499847	120.3471451	-4.929437637	1807.042847	117.9041367	-0.017429352	1813.605835	118.171669	-0.389610291	1813.368408
16:50:48	33.26470184	2	47	41.86874771	120.3471451	-4.921169281	1807.042847	117.8998032	0.000937462	1813.610229	118.171669	-0.388557434	1813.368408
16:52:27	34.92324829	2	47	41.41374969	120.3543625	-4.928384781	1807.035645	117.8868179	0.000937462	1813.623169	118.1759949	-0.392885208	1813.364014
16:54:08	36.59723282	2	47	35.86624908	120.3543625	-4.928384781	1807.035645	117.8998032	-0.012045383	1813.610229	118.171669	-0.388557434	1813.368408
16:55:47	38.25481796	2	47	42.77000046	120.3615723	-4.935596466	1807.028442	117.8944244	-0.007717609	1813.615601	118.1706161	-0.392885208	1813.369385
16:57:28	39.92946625	2	47	37.09999847	120.3677292	-4.941755295	1807.022339	117.8987503	-0.010993004	1813.611206	118.174942	-0.391834259	1813.365112
16:59:07	41.58729935	2	47	40.36375046	120.3883209	-4.962345123	1807.001709	117.8890457	0.003041744	1813.620972	118.1782227	-0.390781403	1813.361816
17:00:48	43.26065063	2	47	40.6875	120.3821564	-4.95618248	1807.007813	117.8944244	-0.006665707	1813.615601	118.1792755	-0.396162033	1813.360718
17:02:27	44.91828156	2	47	41.72875214	120.3883209	-4.962345123	1807.001709	117.9020309	-0.01427269	1813.608032	118.1782227	-0.395109177	1813.361816
17:04:07	46.5929985	2	47	39.61999893	120.3872681	-4.961290359	1807.002686	117.905304	-0.008886337	1813.604736	118.181488	-0.398382187	1813.358521
17:05:47	48.25006485	2	47	35.55125046	120.3944778	-4.968502045	1806.995483	117.8890457	-0.000231266	1813.620972	118.1782227	-0.398382187	1813.361816
17:07:27	49.92060089	2	47	35.00875092	120.4016876	-4.97571373	1806.988281	117.8793335	0.008423805	1813.630615	118.181488	-0.398382187	1813.358521
17:09:07	51.59243393	2	47	39.85624695	120.4161148	-4.990140915	1806.973877	117.8923187	-0.00455904	1813.617676	118.181488	-0.398382187	1813.358521
17:10:47	53.25163269	2	47	38.63999939	120.4294891	-5.003515244	1806.960571	117.8826065	0.005148411	1813.627441	118.1804352	-0.39732933	1813.359619
17:12:27	54.92620087	2	47	39.84749985	120.415062	-4.989088058	1806.974976	117.8999252	-0.0121665	1813.610107	118.1847687	-0.401657104	1813.355225
17:14:07	56.5839653	2	47	42.30625153	120.4284363	-5.00246048	1806.961548	117.8945389	-0.006780148	1813.615479	118.1837158	-0.400604248	1813.356323
17:15:47	58.25706482	2	47	41.75499725	120.4356537	-5.00967598	1806.954346	117.890213	-0.002452374	1813.619751	118.1793823	-0.396276474	1813.360596
17:17:27	59.91583252	2	47	42	120.4418106	-5.015834808	1806.948242	117.8978195	-0.010059834	1813.612183	118.182663	-0.399551392	1813.357422
17:17:32	59.9993515	2	49	39.83000183	120.4428635	-5.016887665	1806.947144	117.8945389	-0.006780148	1813.615479	118.1837158	-0.400604248	1813.356323
17:17:37	60.08226776	3	49	50.00625229	121.0703888	-5.644412994	1806.31958	117.9021378	-0.014382839	1813.60791	118.182663	-0.399551392	1813.357422
17:17:42	60.1657486	3	49	59.32500076	121.8699722	-6.443996429	1805.52002	117.8945389	-0.006780148	1813.615479	118.1837158	-0.400604248	1813.356323
17:17:47	60.24974823	3	49	58.56374741	122.5995331	-7.173553467	1804.790527	117.8945389	-0.006780148	1813.615479	118.1923752	-0.409263611	1813.347656
17:17:52	60.3333168	3	49	58.51124954	123.1188583	-7.692884445	1804.271118	117.8988724	-0.011111736	1813.611084	118.1966934	-0.413585663	1813.343384
17:17:57	60.41685104	3	49	59.75374985	123.5094147	-8.083435059	1803.880615	117.8988724	-0.011111736	1813.611084	118.1966934	-0.413585663	1813.343384
17:18:02	60.5006485	3	49	60.68999863	123.818512	-8.392539978	1803.571533	117.8988724	-0.011111736	1813.611084	118.2010269	-0.417917252	1813.338989
17:18:07	60.58430099	3	49	61.51250076	124.0792389	-8.653259277	1803.310791	117.8999252	-0.0121665	1813.610107	118.2193909	-0.431955338	1813.320679
17:18:12	60.66794968	3	49	59.70124817	124.2585068	-8.832529068	1803.13147	117.9031906	-0.015435219	1813.606812	118.2313232	-0.44821167	1813.308716
17:18:17	60.75163269	3	49	62.79000092	124.424408	-8.998430252	1802.965576	117.8988724	-0.011111736	1813.611084	118.2356415	-0.452533722	1813.304443
17:18:22	60.8351326	3	49	61.81000137	124.5398102	-9.113834381	1802.85022	117.8978195	-0.010059834	1813.612183	118.2432556	-0.460142136	1813.296753

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	RW7_Flow	RW7_DW	RW7_WLD	RW7_WLE	MW50B_DW	MW50B_WLD	MW50B_WLE	MW50C_DW	MW50C_WLD	MW50C_WLE
17:18:27	60.91866684	3	49	59.63999939	124.6541672	-9.228191376	1802.73584	117.8978195	-0.010059834	1813.612183	118.2648926	-0.481779099	1813.275146
17:18:32	61.00163269	3	49	56.90124893	124.7345581	-9.308584213	1802.655518	117.8988724	-0.011111736	1813.611084	118.2745972	-0.491487503	1813.265381
17:18:37	61.08551788	3	49	56.48125076	124.7994766	-9.373502731	1802.590576	117.8945389	-0.006780148	1813.615479	118.2702713	-0.487159729	1813.269775
17:18:42	61.16861725	3	49	57.85499954	124.8427582	-9.416778564	1802.547241	117.8945389	-0.006780148	1813.615479	118.2745972	-0.491487503	1813.265381
17:18:47	61.25225067	3	49	57.63624954	124.8860321	-9.460054398	1802.504028	117.890213	-0.002452374	1813.619751	118.2832489	-0.500143051	1813.256836
17:18:52	61.3358345	3	49	58.09999847	124.9148865	-9.488908768	1802.475098	117.8988724	-0.011111736	1813.611084	118.2919083	-0.508796692	1813.248169
17:18:57	61.41994858	3	49	58.69499969	124.9437408	-9.51776123	1802.446289	117.8945389	-0.006780148	1813.615479	118.2962341	-0.513124466	1813.243774
17:19:02	61.50413513	3	49	59.38625336	124.9581604	-9.532184601	1802.431885	117.8945389	-0.006780148	1813.615479	118.30056	-0.51745224	1813.239502
17:19:07	61.5880661	3	49	59.75374985	124.9725876	-9.546611786	1802.41748	117.8945389	-0.006780148	1813.615479	118.3048935	-0.521783829	1813.235107
17:19:12	61.67173386	3	49	60.28749847	125.0086517	-9.582675934	1802.381348	117.8988724	-0.011111736	1813.611084	118.3135529	-0.530439377	1813.22644
17:19:17	61.75536728	3	49	61.97624969	125.0086517	-9.582675934	1802.381348	117.8988724	-0.011111736	1813.611084	118.3178711	-0.534763336	1813.222168
17:19:22	61.83928299	3	49	57.17250061	125.0292358	-9.603261948	1802.36084	117.8988724	-0.005727768	1813.611084	118.3265305	-0.538042068	1813.213501
17:19:27	61.92258453	3	49	54.22375107	125.0375061	-9.611528397	1802.352539	117.8945389	-0.006780148	1813.615479	118.3265305	-0.543418884	1813.213501
17:19:32	62.00583267	3	49	55.24750137	125.0519257	-9.625951767	1802.338135	117.8945389	-0.006780148	1813.615479	118.3265305	-0.543418884	1813.213501
17:19:37	62.08981705	3	49	58.69499969	125.0663528	-9.640378952	1802.323608	117.8945389	-0.006780148	1813.615479	118.3351898	-0.552078247	1813.204834
17:19:42	62.17323303	3	49	57.72375107	125.0879974	-9.66201973	1802.302002	117.8945389	-0.006780148	1813.615479	118.3395081	-0.556400299	1813.200562
17:19:47	62.25708389	3	49	56.37624741	125.0879974	-9.66201973	1802.302002	117.8988724	-0.011111736	1813.611084	118.3438416	-0.560733795	1813.196167
17:19:52	62.34078217	3	49	55.97374725	125.102417	-9.6764431	1802.287598	117.8988724	-0.011111736	1813.611084	118.3438416	-0.560733795	1813.196167
17:19:57	62.42481613	3	49	54.21500015	125.1168442	-9.690870285	1802.273193	117.8988724	-0.010059834	1813.611084	118.3481674	-0.564002991	1813.191895
17:20:02	62.5088501	3	49	59.0625	125.117897	-9.691923141	1802.272095	117.9042511	-0.016489506	1813.605713	118.3535538	-0.5704422	1813.186523
17:20:07	62.5921669	3	49	58.00374985	125.117897	-9.691923141	1802.272095	117.8999252	-0.0121665	1813.610107	118.3622055	-0.574769974	1813.177856
17:20:12	62.67583466	3	49	58.66875076	125.1312714	-9.705295563	1802.258789	117.8945389	-0.006780148	1813.615479	118.3568268	-0.57371521	1813.183228
17:20:17	62.75933456	3	49	55.51874924	125.1323242	-9.706350327	1802.25769	117.8999252	-0.0121665	1813.610107	118.3578796	-0.574769974	1813.182129
17:20:22	62.84320068	3	49	56.40250015	125.1467514	-9.713562012	1802.243286	117.8999252	-0.0121665	1813.610107	118.3622055	-0.579097748	1813.177856
17:20:27	62.92746735	3	49	59.95500183	125.1456985	-9.713562012	1802.244263	117.8955917	-0.007834435	1813.61438	118.3665314	-0.583425522	1813.173462
17:20:32	63.01066589	3	49	57.40874863	125.1539612	-9.727989197	1802.236084	117.8955917	-0.007834435	1813.61438	118.3708649	-0.587753296	1813.169189
17:20:37	63.09441757	3	49	55.67625046	125.1601257	-9.734146118	1802.229858	117.8945389	-0.006780148	1813.615479	118.369812	-0.586698532	1813.170166
17:20:42	63.17770004	3	49	54.84500122	125.1611786	-9.734146118	1802.228882	117.8999252	-0.011111736	1813.610107	118.3751907	-0.591026306	1813.164795
17:20:47	63.26091766	3	49	54.29375076	125.1601257	-9.735198975	1802.229858	117.8945389	-0.006780148	1813.615479	118.3741379	-0.591026306	1813.165894
17:20:52	63.3444519	3	49	54.8975029	125.1601257	-9.734146118	1802.229858	117.8945389	-0.006780148	1813.615479	118.3741379	-0.591026306	1813.165894
17:20:57	63.42803192	3	49	57.15499878	125.1601257	-9.741361618	1802.229858	117.8988724	-0.011111736	1813.611084	118.3741379	-0.591026306	1813.165894
17:21:02	63.51158142	3	49	59.30749893	125.1745453	-9.74962616	1802.215454	117.8945389	-0.016489506	1813.615479	118.3827896	-0.600734711	1813.157227
17:21:07	63.59545135	3	49	53.76000214	125.1817627	-9.75684166	1802.208252	117.8945389	-0.007834435	1813.615479	118.3827896	-0.600734711	1813.157227
17:21:13	63.67985153	3	49	54.32875061	125.1972427	-9.77126503	1802.192749	117.8999252	-0.0121665	1813.610107	118.3838425	-0.600734711	1813.15625
17:21:18	63.76421738	3	49	54.44250107	125.2044525	-9.77848053	1802.185547	117.8955917	-0.007834435	1813.61438	118.3881683	-0.605062485	1813.151855
17:21:23	63.84775162	3	49	57.95125198	125.198288	-9.772315979	1802.191772	117.9009781	-0.013218403	1813.609009	118.3935547	-0.610443115	1813.146484
17:21:28	63.93168259	3	49	55.75500107	125.2044525	-9.77848053	1802.185547	117.8999252	-0.0121665	1813.610107	118.3881683	-0.605062485	1813.151855
17:21:33	64.01578522	3	49	55.84249878	125.2116699	-9.785692215	1802.178345	117.8955917	-0.007834435	1813.61438	118.3881683	-0.605062485	1813.151855
17:21:38	64.09968567	3	49	60.13000107	125.2044525	-9.77848053	1802.185547	117.8999252	-0.0121665	1813.610107	118.3925018	-0.609390259	1813.147583
17:21:43	64.18364716	3	49	57.45249939	125.2116699	-9.785692215	1802.178345	117.8999252	-0.0121665	1813.610107	118.3968277	-0.613718033	1813.143188
17:21:48	64.26737976	3	49	58.77375031	125.2178192	-9.791847229	1802.172241	117.9205093	-0.032749653	1813.589478	118.3957748	-0.612663269	1813.144287
17:21:53	64.35109711	3	49	58.09999847	125.2095642	-9.783584595	1802.18042	117.8978195	-0.010059834	1813.612183	118.394722	-0.61161232	1813.145264
17:21:58	64.43491364	3	49	56.98875046	125.232254	-9.806280136	1802.157715	117.8988724	-0.011111736	1813.611084	118.3957748	-0.612663269	1813.144287
17:22:03	64.51909637	3	49	55.77249908	125.2312012	-9.80522728	1802.158813	117.8988724	-0.011111736	1813.611084	118.3957748	-0.612663269	1813.144287
17:22:08	64.60288239	3	49	55.20375061	125.2384186	-9.812438965	1802.151611	117.8978195	-0.010059834	1813.612183	118.394722	-0.61161232	1813.145264
17:22:13	64.68721771	3	49	54.48625183	125.2384186	-9.812438965	1802.151611	117.9021378	-0.014382839	1813.60791	118.4033737	-0.620265961	1813.136719

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	RW7_Flow	RW7_DW	RW7_WLD	RW7_WLE	MW50B_DW	MW50B_WLD	MW50B_WLE	MW50C_DW	MW50C_WLD	MW50C_WLE
17:22:18	64.77088165	3	49	58.31000137	125.2394638	-9.813489914	1802.150513	117.8945389	-0.006780148	1813.615479	118.4001007	-0.616991043	1813.139893
17:22:23	64.8551178	3	49	54.6087532	125.2394638	-9.813489914	1802.150513	117.9021378	-0.006780148	1813.60791	118.4044266	-0.621318817	1813.13562
17:22:28	64.93852997	3	49	56.89249802	125.253891	-9.827913284	1802.136108	117.9031906	-0.015435219	1813.606812	118.4044266	-0.621318817	1813.13562
17:22:38	65.10531616	3	49	53.55875015	125.269371	-9.843393326	1802.120605	117.8999252	-0.0121665	1813.610107	118.4098129	-0.626701355	1813.130249
17:22:48	65.27249908	3	49	56.17499924	125.2765808	-9.850608826	1802.113403	117.8988724	-0.011111736	1813.611084	118.4087524	-0.625646591	1813.131348
17:22:58	65.43888092	3	49	57.59249878	125.275528	-9.849555969	1802.114502	117.8988724	-0.011111736	1813.611084	118.4130859	-0.629974365	1813.126953
17:23:08	65.60666656	3	49	57.96875	125.2910156	-9.857820511	1802.098999	117.8999252	-0.0121665	1813.610107	118.4141388	-0.631029129	1813.125854
17:23:18	65.77398682	3	49	55.36125183	125.2889099	-9.870140076	1802.101074	117.9021378	-0.014382839	1813.60791	118.4206848	-0.637577057	1813.119385
17:23:28	65.94138336	3	49	58.88750076	125.3115921	-9.863981247	1802.078369	117.893486	-0.005727768	1813.616577	118.4206848	-0.633255005	1813.119385
17:23:38	66.10793304	3	49	56.92750168	125.3043823	-9.885616302	1802.085693	117.9031906	-0.015435219	1813.606812	118.4217377	-0.634305954	1813.118286
17:23:48	66.27561951	3	49	55.73749924	125.3321838	-9.898994446	1802.057861	117.8978195	-0.010059834	1813.612183	118.4206848	-0.637577057	1813.119385
17:23:58	66.44261932	3	49	57.20750046	125.3177567	-9.913415909	1802.072266	117.893486	-0.005727768	1813.616577	118.4206848	-0.637577057	1813.119385
17:24:08	66.61048126	3	49	57.77625275	125.3321838	-9.897941589	1802.057861	117.8978195	-0.009007454	1813.612183	118.4250183	-0.640857697	1813.11499
17:24:18	66.77774811	3	49	56.42874908	125.3239136	-9.897941589	1802.066162	117.8978195	-0.010059834	1813.612183	118.4250183	-0.641908646	1813.11499
17:24:28	66.9457016	3	49	57.43500137	125.3466034	-9.91236496	1802.043457	117.893486	-0.005727768	1813.616577	118.4250183	-0.641908646	1813.11499
17:24:39	67.11338043	3	49	58.56374741	125.3466034	-9.920631409	1802.043457	117.8978195	-0.010059834	1813.612183	118.4250183	-0.641908646	1813.11499
17:24:48	67.26496887	3	49	56.02624893	125.3538208	-9.927843094	1802.036133	117.8978195	-0.010059834	1813.612183	118.4293442	-0.646232605	1813.110718
17:24:58	67.43305206	3	49	59.82374954	125.3610306	-9.935054779	1802.028931	117.8978195	-0.010059834	1813.612183	118.4250183	-0.641908646	1813.11499
17:25:08	67.60050201	3	49	58.07374954	125.368248	-9.942270279	1802.021729	117.893486	-0.005727768	1813.616577	118.43367	-0.650564194	1813.106323
17:25:18	67.76824951	3	49	59.51750183	125.3816223	-9.955644608	1802.008423	117.8967667	-0.009007454	1813.613281	118.4282913	-0.645179749	1813.111694
17:25:28	67.93711853	3	49	55.5625	125.3826752	-9.956697464	1802.007324	117.893486	-0.005727768	1813.616577	118.43367	-0.650564194	1813.106323
17:25:38	68.10498047	3	49	57.59249878	125.3826752	-9.956697464	1802.007324	117.8978195	-0.010059834	1813.612183	118.43367	-0.650564194	1813.106323
17:25:48	68.27301788	3	49	59.17625046	125.3898849	-9.963907242	1802.000122	117.8978195	-0.010059834	1813.612183	118.43367	-0.650564194	1813.106323
17:25:58	68.44129944	3	49	54.91500092	125.3970947	-9.971118927	1801.99292	117.8891602	-0.001399994	1813.62085	118.4379959	-0.654888153	1813.102051
17:26:08	68.60823059	3	49	54.70499802	125.4043121	-9.978334427	1801.985718	117.8978195	-0.010059834	1813.612183	118.4423294	-0.659219742	1813.097656
17:26:18	68.77851868	3	49	54.61750031	125.4115295	-9.985549927	1801.978516	117.8978195	-0.005727768	1813.612183	118.4379959	-0.659219742	1813.102051
17:26:28	68.94623566	3	49	57.80249786	125.4187393	-9.992761612	1801.971313	117.8978195	-0.010059834	1813.612183	118.4379959	-0.654888153	1813.102051
17:26:39	69.11503601	3	49	57.69749832	125.4197922	-9.993814468	1801.970215	117.893486	-0.005727768	1813.616577	118.4379959	-0.654888153	1813.102051
17:26:49	69.28215027	3	49	57.22499847	125.4331665	-10.0071888	1801.956787	117.8978195	-0.010059834	1813.612183	118.4423294	-0.659219742	1813.097656
17:26:59	69.44896698	3	49	55.73749924	125.4342194	-10.00823975	1801.955811	117.8945389	-0.006780148	1813.615479	118.4433823	-0.660272598	1813.09668
17:27:09	69.61656952	3	49	55.15999985	125.4558487	-10.0298748	1801.934204	117.8945389	-0.006780148	1813.615479	118.4433823	-0.660272598	1813.09668
17:27:18	69.76766968	3	49	58.45875168	125.4414291	-10.01545143	1801.948608	117.8945389	-0.006780148	1813.615479	118.4433823	-0.660272598	1813.09668
17:27:28	69.93489838	3	49	56.97999954	125.4475861	-10.02161026	1801.942383	117.893486	-0.005727768	1813.616577	118.4423294	-0.659219742	1813.097656
17:29:08	71.61226654	3	49	55.86875153	125.5125046	-10.08652878	1801.877563	117.893486	-0.004675388	1813.616577	118.4509888	-0.666822433	1813.089111
17:30:49	73.27590179	3	49	53.42749786	125.5702057	-10.1442318	1801.819824	117.8848343	-0.001399994	1813.625122	118.4509888	-0.672203064	1813.089111
17:32:29	74.93975067	3	49	53.68125153	125.6145401	-10.1885643	1801.775513	117.8945389	-0.006780148	1813.615479	118.4606857	-0.677577972	1813.079346
17:34:09	76.60448456	3	49	56.25374985	125.6928253	-10.26685333	1801.697144	117.8891602	-0.001399994	1813.62085	118.4639664	-0.680856705	1813.07605
17:35:49	78.28109741	3	49	54.81874847	125.7577438	-10.33176994	1801.632324	117.9107971	-0.02303791	1813.599243	118.4639664	-0.680856705	1813.07605
17:37:29	79.94731903	3	49	57.39999771	125.7793884	-10.35340881	1801.610596	117.9151306	-0.027369976	1813.594849	118.4682922	-0.685180664	1813.071777
17:39:09	81.60482025	3	49	58.80875015	125.8442993	-10.41832733	1801.545654	117.9064713	-0.018714905	1813.603516	118.4726257	-0.689512253	1813.067383
17:40:49	83.26933289	3	49	54.12749863	125.9020081	-10.47602844	1801.488037	117.91185	-0.02409029	1813.598145	118.4736786	-0.690565109	1813.066406
17:42:29	84.94731903	3	49	53.94374847	125.9246979	-10.49872017	1801.465332	117.9205093	-0.032749653	1813.589478	118.4780045	-0.694892883	1813.062012
17:44:09	86.60986328	3	49	54.91500092	125.982399	-10.55642128	1801.407593	117.91185	-0.02409029	1813.598145	118.4780045	-0.694892883	1813.062012
17:45:49	88.27558136	3	49	54.95875168	126.0029831	-10.57700729	1801.387085	117.9151306	-0.027369976	1813.594849	118.4769516	-0.693840027	1813.06311
17:47:29	89.93834686	3	49	54.15375137	126.0689545	-10.64297867	1801.321045	117.91185	-0.02409029	1813.598145	118.4780045	-0.694892883	1813.062012
17:49:09	91.6071701	3	49	53.97875214	126.0895386	-10.66356468	1801.300537	117.9064713	-0.018714905	1813.603516	118.4726257	-0.689512253	1813.067383

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RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	RW7_Flow	RW7_DW	RW7_WLD	RW7_WLE	MW50B_DW	MW50B_WLD	MW50B_WLE	MW50C_DW	MW50C_WLD	MW50C_WLE
17:50:48	93.26846313	3	49	52.65750122	126.1266556	-10.70068169	1801.263306	117.9075241	-0.019767284	1813.602539	118.4780045	-0.694892883	1813.062012
17:52:28	94.93457031	3	49	56.22750092	126.1627197	-10.73674583	1801.227295	117.91185	-0.02409029	1813.598145	118.4736786	-0.690565109	1813.066406
17:54:08	96.59833527	3	49	53.25249863	126.1915741	-10.7655983	1801.198486	117.9161835	-0.028422356	1813.593872	118.4823303	-0.699220657	1813.057739
17:55:49	98.27719879	3	49	56.05250168	126.2369537	-10.81098175	1801.153076	117.9139557	-0.026196957	1813.596069	118.484436	-0.70132637	1813.055664
17:57:29	99.94239807	3	49	55.25625229	126.2575455	-10.83156776	1801.132446	117.9172363	-0.029476643	1813.592773	118.4833832	-0.700273514	1813.056641
17:59:09	101.6056976	3	49	53.82125092	126.3008194	-10.8748436	1801.089233	117.9139557	-0.025144577	1813.596069	118.4801102	-0.695947647	1813.059937
18:00:48	103.2673798	3	49	56.35000229	126.3379364	-10.91196442	1801.052124	117.9096298	-0.021873474	1813.600342	118.4801102	-0.696998596	1813.059937
18:02:28	104.9324646	3	49	53.20874786	126.3657379	-10.93976593	1801.024292	117.9139557	-0.025144577	1813.596069	118.4801102	-0.695947647	1813.059937
18:04:08	106.5977173	3	49	0.236250013	119.14048	-3.714504242	1808.249512	117.919342	-0.031583309	1813.590698	118.4292297	-0.646121979	1813.11084
18:05:49	108.27668	3	49	52.78874969	125.782547	-10.35656738	1801.607422	117.9226151	-0.034856319	1813.587402	118.4108582	-0.627752304	1813.12915
18:07:29	109.9355164	3	49	52.19375229	126.019516	-10.5935421	1801.370483	117.9129028	-0.025144577	1813.597168	118.4401016	-0.656993866	1813.099976
18:09:10	111.6100464	3	49	52.62249756	126.0555801	-10.62960625	1801.334473	117.9172363	-0.029476643	1813.592773	118.448761	-0.665653229	1813.091309
18:10:49	113.2667694	3	49	50.81125259	126.1060715	-10.68009758	1801.283936	117.9172363	-0.029476643	1813.592773	118.4574203	-0.674308777	1813.082642
18:12:30	114.9410324	3	49	51.08249664	126.1266556	-10.70068169	1801.263306	117.9161835	-0.028422356	1813.593872	118.4563599	-0.673254013	1813.08374
18:14:09	116.5973663	3	49	49.94499969	126.149353	-10.72337341	1801.240723	117.9129028	-0.025144577	1813.597168	118.4617462	-0.678632736	1813.078247
18:15:49	118.2723312	3	49	53.56750107	126.1720428	-10.74606323	1801.218018	117.9182892	-0.030529022	1813.591675	118.4541473	-0.671033859	1813.085938
18:17:29	119.931282	3	49	54.6875	126.1936798	-10.76770592	1801.196289	117.9139557	-0.026196957	1813.596069	118.4627914	-0.679683685	1813.077271
18:17:34	120.0152359	4	51	49.95375061	126.2802353	-10.8542614	1801.109741	117.9172363	-0.030529022	1813.592773	118.4617462	-0.679683685	1813.078247
18:17:39	120.0986328	4	51	67.92624664	126.8428497	-11.41687012	1800.547119	117.9182892	-0.030529022	1813.591675	118.4584732	-0.675361633	1813.081543
18:17:44	120.1823654	4	51	74.18249512	127.4858475	-12.05987358	1799.904175	117.9150085	-0.027251244	1813.594971	118.4595261	-0.676416397	1813.080566
18:17:49	120.2655029	4	51	71.66249847	128.0340271	-12.60805893	1799.355957	117.919342	-0.031583309	1813.590698	118.4681778	-0.685070038	1813.071899
18:17:54	120.3492355	4	51	75.60874939	128.4595947	-13.03361988	1798.93042	117.9150085	-0.027251244	1813.594971	118.4725037	-0.689393997	1813.067505
18:17:59	120.4327469	4	51	72.58125305	128.8047638	-13.37878513	1798.585205	117.9139557	-0.026196957	1813.596069	118.484436	-0.692670822	1813.055664
18:18:04	120.5174637	4	51	72.85250092	129.0788574	-13.65288067	1798.311157	117.9139557	-0.026196957	1813.596069	118.484436	-0.70132637	1813.055664
18:18:09	120.6013184	4	51	71.26000214	129.2880249	-13.86205292	1798.102051	117.9182892	-0.030529022	1813.591675	118.4887619	-0.705654144	1813.05127
18:18:14	120.6855469	4	51	70.48125458	129.4745178	-14.04854012	1797.915527	117.9182892	-0.030529022	1813.591675	118.4974213	-0.714309692	1813.042603
18:18:19	120.7699661	4	51	74.55874634	129.6187744	-14.19279861	1797.77124	117.9129028	-0.025144577	1813.597168	118.5050201	-0.717588425	1813.035034
18:18:24	120.8536987	4	51	72.36250305	129.7341766	-14.29377747	1797.655884	117.9215622	-0.034856319	1813.588501	118.5136795	-0.731618881	1813.026367
18:18:29	120.937767	4	51	71.16374969	129.8228455	-14.3896513	1797.567139	117.9182892	-0.031583309	1813.591675	118.5190582	-0.737001419	1813.020996
18:18:34	121.0214996	4	51	74.69874573	129.901123	-14.45351505	1797.488892	117.9139557	-0.026196957	1813.596069	118.5190582	-0.735946655	1813.020996
18:18:40	121.1061172	4	51	77.04375458	129.9516144	-14.5256443	1797.438354	117.9139557	-0.026196957	1813.596069	118.5363693	-0.753257751	1813.003662
18:18:45	121.1900024	4	51	78.32125092	130.0082703	-14.58229446	1797.381714	117.908577	-0.020821571	1813.60144	118.53965	-0.756538391	1813.000366
18:18:50	121.2743988	4	51	75.93250275	130.0309601	-14.60498905	1797.359009	117.9139557	-0.026196957	1813.596069	118.5450211	-0.7619133	1812.994995
18:18:55	121.3586502	4	51	73.12375641	130.0670319	-14.64105415	1797.322998	117.9182892	-0.030529022	1813.591675	118.5493546	-0.766244888	1812.990723
18:19:00	121.4434662	4	51	74.56750488	130.0969391	-14.67095757	1797.293091	117.9139557	-0.026196957	1813.596069	118.5580139	-0.774900436	1812.982056
18:19:05	121.5269165	4	51	73.57875061	130.1247253	-14.69875622	1797.265259	117.9139557	-0.026196957	1813.596069	118.5623398	-0.77922821	1812.977661
18:19:10	121.6110535	4	51	73.54374695	130.1463623	-14.72039413	1797.243652	117.9139557	-0.026196957	1813.596069	118.5666656	-0.783555984	1812.973389
18:19:15	121.6947174	4	51	71.06749725	130.1741638	-14.74819565	1797.21582	117.9172363	-0.029476643	1813.592773	118.5656128	-0.782503128	1812.974365
18:19:20	121.7788315	4	51	72.11750031	130.1813812	-14.75540733	1797.208618	117.9161835	-0.028422356	1813.593872	118.5688858	-0.785776138	1812.971191
18:19:25	121.8628845	4	51	74.74250031	130.2030182	-14.77704525	1797.187012	117.9172363	-0.029476643	1813.592773	118.578598	-0.79548645	1812.961426
18:19:30	121.9468994	4	51	76.99124908	130.2112885	-14.78531265	1797.178711	117.9139557	-0.026196957	1813.596069	118.5796509	-0.796537399	1812.960449
18:19:35	122.0305023	4	51	76.10749817	130.225708	-14.79973507	1797.164307	117.9182892	-0.030529022	1813.591675	118.5883026	-0.796537399	1812.951782
18:19:40	122.1148529	4	51	74.26999664	130.225708	-14.79973507	1797.164307	117.9226151	-0.034856319	1813.587402	118.5839691	-0.800861359	1812.956055
18:19:45	122.1990356	4	51	72.67749786	130.2401428	-14.81416225	1797.149902	117.9182892	-0.030529022	1813.591675	118.5883026	-0.805192947	1812.951782
18:19:50	122.2835846	4	51	73.35124969	130.2617798	-14.83580017	1797.128174	117.9226151	-0.034856319	1813.587402	118.5926285	-0.809520721	1812.947388
18:19:55	122.36763	4	51	71.85499573	130.2689972	-14.84301567	1797.120972	117.9139557	-0.026196957	1813.596069	118.6012878	-0.813848495	1812.938721

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	RW7_Flow	RW7_DW	RW7_WLD	RW7_WLE	MW50B_DW	MW50B_WLD	MW50B_WLE	MW50C_DW	MW50C_WLD	MW50C_WLE
18:20:00	122.4518814	4	51	71.10250092	130.2689972	-14.84301567	1797.120972	117.9139557	-0.026196957	1813.596069	118.6012878	-0.81817627	1812.938721
18:20:05	122.5359192	4	51	73.83249664	130.2834167	-14.85743809	1797.106567	117.9139557	-0.026196957	1813.596069	118.6012878	-0.81817627	1812.938721
18:20:10	122.6199646	4	51	70.44624329	130.2906342	-14.86465359	1797.099365	117.9182892	-0.030529022	1813.591675	118.6056137	-0.822504044	1812.934448
18:20:14	122.6876678	4	51	73.77124786	130.2895813	-14.86360073	1797.100464	117.9182892	-0.026196957	1813.591675	118.6012878	-0.81817627	1812.938721
18:20:20	122.7737656	4	51	76.35250092	130.2978363	-14.87186432	1797.092163	117.9139557	-0.030529022	1813.596069	118.6099396	-0.826831818	1812.930054
18:20:25	122.8597641	4	51	75.54750061	130.3050537	-14.87907982	1797.084961	117.9139557	-0.026196957	1813.596069	118.6099396	-0.826831818	1812.930054
18:20:30	122.9445343	4	51	77.04375458	130.3122711	-14.8862915	1797.077759	117.9182892	-0.030529022	1813.591675	118.6099396	-0.826831818	1812.930054
18:20:35	123.0273819	4	51	74.5062561	130.3194733	-14.89350224	1797.070557	117.9139557	-0.026196957	1813.596069	118.6142731	-0.831163406	1812.925781
18:20:40	123.1112366	4	51	74.83000183	130.3205261	-14.894557	1797.069458	117.9150085	-0.027251244	1813.594971	118.6153259	-0.83221817	1812.924683
18:20:45	123.1949844	4	51	74.25250244	130.3266907	-14.90071774	1797.063354	117.9139557	-0.026196957	1813.596069	118.6185913	-0.835485458	1812.921387
18:20:50	123.2790527	4	51	73.42124939	130.3339081	-14.90792942	1797.056152	117.9182892	-0.030529022	1813.591675	118.6229248	-0.839818954	1812.917114
18:20:55	123.3628845	4	51	70.73500061	130.3411102	-14.91514015	1797.04895	117.9226151	-0.034856319	1813.587402	118.6185913	-0.835485458	1812.921387
18:21:00	123.4469833	4	51	71.52249908	130.3483276	-14.92235565	1797.041748	117.9139557	-0.026196957	1813.596069	118.6229248	-0.839818954	1812.917114
18:21:05	123.5306473	4	51	74.40999603	130.3627625	-14.93678284	1797.027222	117.9139557	-0.026196957	1813.596069	118.6272507	-0.844141006	1812.912842
18:21:10	123.6144333	4	51	74.25250244	130.355545	-14.92957115	1797.034424	117.9139557	-0.026196957	1813.596069	118.6272507	-0.844141006	1812.912842
18:21:15	123.6983643	4	51	71.09375	130.377182	-14.95120907	1797.012817	117.9129028	-0.021873474	1813.597168	118.6218719	-0.844141006	1812.918213
18:21:20	123.7825165	4	51	72.94874573	130.377182	-14.95120907	1797.012817	117.908577	-0.026196957	1813.60144	118.6261978	-0.839818954	1812.913818
18:21:25	123.8667679	4	51	73.07125092	130.3843994	-14.95842075	1797.005615	117.9139557	-0.026196957	1813.596069	118.6315765	-0.848468781	1812.908447
18:21:30	123.9506302	4	51	74.67250061	130.3843994	-14.95842075	1797.005615	117.9139557	-0.026196957	1813.596069	118.6315765	-0.848468781	1812.908447
18:21:35	124.0343018	4	51	71.89875031	130.398819	-14.97284698	1796.991211	117.9226151	-0.021873474	1813.587402	118.63591	-0.852796555	1812.904175
18:21:40	124.1182327	4	51	75.07499695	130.398819	-14.97284698	1796.991211	117.9226151	-0.034856319	1813.587402	118.63591	-0.852796555	1812.904175
18:21:45	124.2028656	4	51	75.14500427	130.4060364	-14.98111248	1796.984009	117.9096298	-0.021873474	1813.600342	118.63591	-0.852796555	1812.904175
18:21:50	124.2866821	4	51	75.85374451	130.4070892	-14.98832893	1796.98291	117.9150085	-0.018596172	1813.594971	118.6369629	-0.853851318	1812.903076
18:21:55	124.370697	4	51	72.87000275	130.4143066	-14.98111248	1796.975708	117.919342	-0.027251244	1813.590698	118.6369629	-0.853851318	1812.903076
18:22:00	124.4547348	4	51	74.85625458	130.4132538	-14.98727417	1796.976807	117.9182892	-0.030529022	1813.591675	118.63591	-0.852796555	1812.904175
18:22:05	124.538353	4	51	74.07749939	130.4215088	-14.9944849	1796.968506	117.919342	-0.031583309	1813.590698	118.6412888	-0.858179092	1812.898804
18:22:10	124.6229477	4	51	72.58125305	130.4276733	-15.00169659	1796.962402	117.919342	-0.026196957	1813.590698	118.6456223	-0.861455917	1812.894409
18:22:16	124.7072525	4	51	72.73000336	130.4348907	-15.00891209	1796.955078	117.9096298	-0.021873474	1813.600342	118.6445618	-0.861455917	1812.895508
18:22:21	124.7913971	4	51	73.30750275	130.4420929	-15.01612282	1796.947876	117.9096298	-0.021873474	1813.600342	118.6445618	-0.861455917	1812.895508
18:22:26	124.8751984	4	51	72.56375122	130.4420929	-15.01612282	1796.947876	117.9139557	-0.026196957	1813.596069	118.6445618	-0.861455917	1812.895508
18:22:31	124.959198	4	51	75.90625	130.4554749	-15.0294981	1796.93457	117.9129028	-0.025144577	1813.597168	118.6435089	-0.860403061	1812.896484
18:22:40	125.1111984	4	51	73.1499939	130.4493103	-15.02333927	1796.940674	117.9096298	-0.021873474	1813.600342	118.6488876	-0.865779877	1812.891113
18:22:50	125.2791977	4	51	74.98749542	130.4420929	-15.01612282	1796.947876	117.9150085	-0.026196957	1813.594971	118.654274	-0.870111465	1812.885742
18:23:00	125.447464	4	51	70.48999786	130.4493103	-15.02333927	1796.940674	117.919342	-0.031583309	1813.590698	118.6499405	-0.866832733	1812.890137
18:23:10	125.6155014	4	51	73.29000092	130.4565277	-15.03055	1796.933472	117.9139557	-0.026196957	1813.596069	118.6532211	-0.870111465	1812.886841
18:23:20	125.7834473	4	51	73.44750214	130.4709473	-15.04497719	1796.919067	117.9139557	-0.026196957	1813.596069	118.6532211	-0.870111465	1812.886841
18:23:30	125.9517365	4	51	70.75250244	130.4792175	-15.05324268	1796.910767	117.9182892	-0.031583309	1813.591675	118.6532211	-0.871166229	1812.886841
18:23:40	126.1195679	4	51	73.59625244	130.4771118	-15.05113602	1796.912842	117.9129028	-0.025144577	1813.597168	118.6564941	-0.873382568	1812.883545
18:23:50	126.2877655	4	51	72.85250092	130.4915314	-15.07277775	1796.898438	117.9129028	-0.025144577	1813.597168	118.6608276	-0.877714157	1812.87915
18:24:00	126.4564667	4	51	72.94000244	130.4925842	-15.07277775	1796.897461	117.9139557	-0.026196957	1813.596069	118.6618805	-0.878767014	1812.878174
18:24:11	126.6251831	4	51	74.38375092	130.5152893	-15.08930683	1796.874756	117.9182892	-0.030529022	1813.591675	118.657547	-0.874433517	1812.882446
18:24:21	126.7927704	4	51	73.9549942	130.5152893	-15.08930683	1796.874756	117.9150085	-0.027251244	1813.594971	118.6629333	-0.879821777	1812.877075
18:24:31	126.9610138	4	51	71.10250092	130.5297089	-15.10373402	1796.860352	117.9150085	-0.027251244	1813.594971	118.6629333	-0.884143829	1812.877075
18:24:41	127.1286163	4	51	69.61499786	130.5441284	-15.11816025	1796.845947	117.9150085	-0.027251244	1813.594971	118.6629333	-0.879821777	1812.877075
18:24:51	127.2965317	4	51	72.53749847	130.5430756	-15.11710644	1796.846924	117.9139557	-0.026196957	1813.596069	118.6661987	-0.878767014	1812.873779
18:25:00	127.4477005	4	51	72.08249664	130.5575104	-15.13153267	1796.83252	117.9182892	-0.030529022	1813.591675	118.6705322	-0.887422562	1812.869507

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	RW7_Flow	RW7_DW	RW7_WLD	RW7_WLE	MW50B_DW	MW50B_WLD	MW50B_WLE	MW50C_DW	MW50C_WLD	MW50C_WLE
18:25:10	127.6180344	4	51	70.35874939	130.5564575	-15.13048077	1796.833496	117.9096298	-0.020821571	1813.600342	118.6661987	-0.882038116	1812.873779
18:25:20	127.7852173	4	51	69.28250122	130.5719299	-15.14595509	1796.818115	117.9129028	-0.026196957	1813.597168	118.6651459	-0.883089066	1812.874878
18:25:30	127.9547806	4	51	73.21125031	130.5719299	-15.14595509	1796.818115	117.9096298	-0.021873474	1813.600342	118.6705322	-0.883089066	1812.869507
18:25:40	128.1213684	4	51	69.69374847	130.5791473	-15.15317059	1796.810913	117.9182892	-0.027251244	1813.591675	118.6661987	-0.888475418	1812.873779
18:25:50	128.2887115	4	51	72.09125519	130.5863647	-15.16038227	1796.803711	117.9139557	-0.026196957	1813.596069	118.6661987	-0.883089066	1812.873779
18:26:00	128.4557648	4	51	72.42375183	130.5935669	-15.16759777	1796.796387	117.919342	-0.030529022	1813.590698	118.6759109	-0.891748428	1812.864136
18:26:10	128.6224823	4	51	70.72624969	130.594635	-15.16865158	1796.79541	117.9150085	-0.027251244	1813.594971	118.6759109	-0.892803192	1812.864136
18:26:20	128.7894592	4	51	73.13249969	130.6141663	-15.18818378	1796.775879	117.9129028	-0.025144577	1813.597168	118.6694794	-0.886369705	1812.870605
18:26:31	128.9574127	4	51	69.45750427	130.6224213	-15.19644642	1796.767578	117.9182892	-0.030529022	1813.591675	118.6748581	-0.891748428	1812.865234
18:26:41	129.1246643	4	51	69.96499634	130.6152039	-15.18923569	1796.77478	117.9096298	-0.021873474	1813.600342	118.6748581	-0.891748428	1812.865234
18:26:51	129.292038	4	51	70.99750519	130.6213684	-15.19539452	1796.768677	117.9172363	-0.029476643	1813.592773	118.6738052	-0.890697479	1812.866211
18:27:01	129.459259	4	51	69.79000092	130.6296387	-15.2036581	1796.760376	117.9139557	-0.026196957	1813.596069	118.6748581	-0.891748428	1812.865234
18:27:11	129.6264648	4	51	73.47375488	130.6451263	-15.21914387	1796.744873	117.9106903	-0.022928238	1813.599365	118.6759109	-0.892803192	1812.864136
18:27:21	129.7939301	4	51	70.79624939	130.6368561	-15.2108736	1796.753174	117.9096298	-0.021873474	1813.600342	118.679184	-0.896076202	1812.86084
18:27:31	129.9615173	4	51	74.75125122	130.6440582	-15.2180891	1796.745972	117.9182892	-0.030529022	1813.591675	118.679184	-0.896076202	1812.86084
18:29:10	131.618927	4	51	68.92375183	130.701767	-15.27579212	1796.688232	117.905304	-0.017541885	1813.604736	118.679184	-0.896076202	1812.86084
18:30:51	133.2940216	4	51	73.44750214	130.7450409	-15.31906796	1796.64502	117.9096298	-0.021873474	1813.600342	118.6878433	-0.90473175	1812.852173
18:32:30	134.9520874	4	51	71.18125153	130.7893829	-15.36340237	1796.600586	117.9150085	-0.027251244	1813.594971	118.693222	-0.910114288	1812.846802
18:34:10	136.6250305	4	51	71.48750305	130.8264923	-15.4077301	1796.563477	117.9117355	-0.023980141	1813.598267	118.6986008	-0.915493011	1812.841431
18:35:50	138.283432	4	51	73.56999969	130.8769836	-15.4510107	1796.513062	117.9236679	-0.036962986	1813.586304	118.693222	-0.911165237	1812.846802
18:37:30	139.958786	4	51	72.54624939	130.9047852	-15.47880745	1796.485229	117.9290466	-0.040234089	1813.580933	118.6986008	-0.914442062	1812.841431
18:39:10	141.6175232	4	51	71.44374847	130.9563293	-15.53034687	1796.433716	117.9117355	-0.023980141	1813.598267	118.6986008	-0.915493011	1812.841431
18:40:50	143.2836761	4	51	75.26750183	130.991333	-15.56536388	1796.398682	117.9236679	-0.036962986	1813.586304	118.6975555	-0.915493011	1812.842529
18:42:31	144.9605865	4	51	71.39125061	131.0201874	-15.5942173	1796.369873	117.919342	-0.031583309	1813.590698	118.7062073	-0.92309761	1812.833862
18:44:10	146.6212158	4	51	73.17624664	131.0479889	-15.61479664	1796.342041	117.9269409	-0.039179802	1813.583008	118.7051544	-0.922042847	1812.834839
18:45:50	148.2877502	4	51	73.88500214	131.0851135	-15.65913105	1796.304932	117.9279938	-0.040234089	1813.582031	118.7105331	-0.927423477	1812.829468
18:47:31	149.9533539	4	51	70.68250275	131.1273346	-15.70135212	1796.262695	117.9269409	-0.040234089	1813.583008	118.7051544	-0.92309761	1812.834839
18:49:12	151.6292114	4	51	75.02250671	131.1572418	-15.7312603	1796.232788	117.9453049	-0.031583309	1813.564697	118.7062073	-0.92309761	1812.833862
18:50:51	153.2930908	4	51	72.16124725	131.1860809	-15.76010895	1796.203979	117.9236679	-0.040234089	1813.586304	118.714859	-0.927423477	1812.825195
18:52:31	154.9515839	4	51	70.55999756	131.2077332	-15.78175163	1796.182251	117.9150085	-0.027251244	1813.594971	118.7105331	-0.927423477	1812.829468
18:54:11	156.6260986	4	51	70.59500122	131.230423	-15.80444145	1796.159546	117.9160614	-0.023980141	1813.593994	118.711586	-0.932804108	1812.828491
18:55:51	158.2852173	4	51	69.72000122	131.2736969	-15.84771729	1796.116333	117.9247208	-0.032635212	1813.585327	118.711586	-0.928476334	1812.828491
18:57:32	159.9634399	4	51	70.62999725	131.3025513	-15.8765707	1796.087402	117.9203949	-0.032635212	1813.5896	118.711586	-0.928476334	1812.828491
18:59:11	161.6284027	4	51	72.58125305	131.3313904	-15.90647221	1796.058594	117.9074097	-0.020700455	1813.602539	118.711586	-0.92952919	1812.828491
19:00:51	163.2899475	4	51	73.79750061	131.3313904	-15.9054203	1796.058594	117.9333801	-0.045618057	1813.57666	118.7159119	-0.932804108	1812.824097
19:02:31	164.9465485	4	51	71.41749573	131.3612976	-15.93532562	1796.028687	117.9506836	-0.062928677	1813.559326	118.7159119	-0.932804108	1812.824097
19:04:11	166.62854	5	53	87.22000122	134.7204285	-19.29445362	1792.669556	117.9106903	-0.040234089	1813.599365	118.805748	-1.022636414	1812.734253
19:05:51	168.2834778	5	53	87.66625214	134.886322	-19.46035004	1792.503662	117.9496307	-0.061876297	1813.560425	118.8533478	-1.070238113	1812.686646
19:07:31	169.9517517	5	53	88.4624939	134.9862518	-19.56027412	1792.403809	117.9442444	-0.056489944	1813.565796	118.8782654	-1.095153809	1812.661743
19:09:11	171.6251984	5	53	87.84124756	135.0573273	-19.63135099	1792.332642	117.9431992	-0.042459488	1813.566772	118.8945236	-1.111412048	1812.645508
19:10:51	173.2831116	5	53	84.93624878	135.1078186	-19.6818428	1792.282227	117.9345398	-0.046782494	1813.575439	118.9031754	-1.120067596	1812.636841
19:12:31	174.957016	5	53	86.17874908	135.1510925	-19.72512293	1792.238892	117.9388733	-0.050060272	1813.571167	118.9118347	-1.127668381	1812.628174
19:14:10	176.6133728	5	53	84.4375	135.2211151	-19.79514122	1792.168945	117.9367676	-0.049007893	1813.573242	118.909729	-1.126617432	1812.630371
19:15:51	178.2930603	5	53	85.24250031	135.2571869	-19.83120584	1792.132813	117.9367676	-0.049007893	1813.573242	118.9183807	-1.135271072	1812.621704
19:17:31	179.95578	5	53	85.52249908	135.3066254	-19.88064528	1792.083374	117.9313812	-0.049007893	1813.578613	118.9173279	-1.139598846	1812.622681
19:17:36	180.0397491	6	55	90.17749786	135.4148102	-19.98883915	1791.97522	117.9313812	-0.043623924	1813.578613	118.9173279	-1.134220123	1812.622681

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	RW7_Flow	RW7_DW	RW7_WLD	RW7_WLE	MW50B_DW	MW50B_WLD	MW50B_WLE	MW50C_DW	MW50C_WLD	MW50C_WLE
19:17:41	180.1238708	6	55	99.88999939	135.977417	-20.55144739	1791.412598	117.9357147	-0.049007893	1813.574341	118.9216614	-1.139598846	1812.618408
19:17:46	180.208313	6	55	102.0424957	136.4823303	-21.05635738	1790.907715	117.9357147	-0.04795599	1813.574341	118.9216614	-1.138547897	1812.618408
19:17:51	180.2930603	6	55	102.6025009	136.8512421	-21.4252677	1790.538818	117.9324341	-0.043623924	1813.577637	118.9356918	-1.151529312	1812.60437
19:17:56	180.3783112	6	55	102.3050003	137.1613922	-21.73542309	1790.228638	117.9367676	-0.049007893	1813.573242	118.931366	-1.148254395	1812.608643
19:18:01	180.4621124	6	55	101.9462509	137.4055786	-21.97960854	1789.984375	117.9367676	-0.049007893	1813.573242	118.9400177	-1.156909943	1812.599976
19:18:05	180.5301361	6	55	101.3075027	137.56427	-22.13829803	1789.825684	117.9313812	-0.043623924	1813.578613	118.9432983	-1.16018486	1812.59668
19:18:10	180.6149597	6	55	100.5199966	137.7229614	-22.29697943	1789.666992	117.9400406	-0.052278996	1813.569946	118.9519501	-1.168840408	1812.588135
19:18:15	180.6992035	6	55	101.9899979	137.8527985	-22.42681551	1789.537231	117.9357147	-0.04795599	1813.574341	118.9606018	-1.177495956	1812.579468
19:18:21	180.7828674	6	55	101.7275009	137.9465637	-22.52058315	1789.443481	117.9357147	-0.04795599	1813.574341	118.9606018	-1.177495956	1812.579468
19:18:26	180.8668671	6	55	100.5462494	138.0258942	-22.59992361	1789.364136	117.9443665	-0.056611061	1813.565674	118.9649353	-1.181827545	1812.575073
19:18:31	180.9515686	6	55	101.1062546	138.0908203	-22.66484165	1789.299194	117.9443665	-0.056611061	1813.565674	118.9692612	-1.186151505	1812.570801
19:18:36	181.0351257	6	55	101.3687515	138.1485138	-22.72254419	1789.241455	117.9400406	-0.052278996	1813.569946	118.9822464	-1.199138641	1812.557739
19:18:41	181.1188354	6	55	101.0450058	138.1990051	-22.773036	1789.19104	117.9443665	-0.056611061	1813.565674	118.9865723	-1.203464508	1812.553467
19:18:46	181.2032471	6	55	100.5199966	138.2494965	-22.82352304	1789.140503	117.9400406	-0.052278996	1813.569946	118.9952316	-1.212120056	1812.5448
19:18:51	181.288147	6	55	101.0012512	138.2927856	-22.86680317	1789.097168	117.9313812	-0.043623924	1813.578613	118.9995575	-1.216444016	1812.540527
19:18:56	181.3725891	6	55	101.1587524	138.3216248	-22.89565659	1789.068359	117.9357147	-0.04795599	1813.574341	118.9995575	-1.216444016	1812.540527
19:19:01	181.4561005	6	55	100.7387466	138.3504791	-22.92450571	1789.039551	117.9054184	-0.017663002	1813.604614	119.0082092	-1.225099564	1812.53186
19:19:06	181.539978	6	55	100.9225006	138.3710632	-22.94509172	1789.018921	117.9303284	-0.042571545	1813.579712	119.0114899	-1.228378296	1812.528564
19:19:11	181.6239624	6	55	101.0274963	138.407135	-22.98115635	1788.98291	117.9400406	-0.020933628	1813.569946	119.0125427	-1.224046707	1812.527466
19:19:16	181.7085266	6	55	100.7212448	138.4226074	-22.99663496	1788.967407	117.9400406	-0.052278996	1813.569946	119.0211945	-1.2380867	1812.518799
19:19:21	181.7923126	6	55	100.8262482	138.4359894	-23.01000977	1788.953979	117.9346619	-0.04690361	1813.575317	119.0201416	-1.237033844	1812.519897
19:19:26	181.8762054	6	55	100.8262482	138.4576263	-23.03164768	1788.932373	117.9303284	-0.042571545	1813.579712	119.0201416	-1.237033844	1812.519897
19:19:31	181.9598694	6	55	101.4037476	138.4720459	-23.04607439	1788.917969	117.9303284	-0.042571545	1813.579712	119.0244751	-1.241361618	1812.515625
19:19:36	182.0436707	6	55	100.9049988	138.4875336	-23.06155348	1788.902466	117.9313812	-0.043623924	1813.578613	119.0298462	-1.246740341	1812.510254
19:19:41	182.1277008	6	55	100.8699951	138.4947357	-23.06876469	1788.895264	117.9400406	-0.052278996	1813.569946	119.0341797	-1.251068115	1812.505859
19:19:46	182.2115631	6	55	101.1412506	138.5081177	-23.08213902	1788.881836	117.9346619	-0.04690361	1813.575317	119.028801	-1.245689392	1812.51123
19:19:51	182.2956848	6	55	102.2787476	138.5308075	-23.10482931	1788.859253	117.9184036	-0.03064537	1813.591553	119.0385132	-1.255401611	1812.501465
19:19:56	182.3798523	6	55	102.0424957	138.5380096	-23.11204052	1788.852051	117.9140778	-0.026318073	1813.595947	119.0385132	-1.255401611	1812.501465
19:20:01	182.464386	6	55	100.1437454	138.5452271	-23.11925602	1788.844727	117.9357147	-0.04795599	1813.574341	119.0428314	-1.259723663	1812.497192
19:20:06	182.5481873	6	55	100.5112534	138.5452271	-23.11925602	1788.844727	117.9433136	-0.056611061	1813.56665	119.0417786	-1.259723663	1812.498291
19:20:11	182.6318359	6	55	99.90750122	138.566864	-23.14089394	1788.82312	117.9313812	-0.043623924	1813.578613	119.0428314	-1.259723663	1812.497192
19:20:16	182.7160187	6	55	100.8525009	138.5596619	-23.13368273	1788.830322	117.9357147	-0.04795599	1813.574341	119.0514908	-1.268379211	1812.488525
19:20:22	182.8003387	6	55	99.96875	138.566864	-23.14089394	1788.82312	117.9357147	-0.04795599	1813.574341	119.0471649	-1.264055252	1812.49292
19:20:27	182.8841705	6	55	100.7037506	138.5812988	-23.15532064	1788.808716	117.9357147	-0.04795599	1813.574341	119.0514908	-1.268379211	1812.488525
19:20:32	182.9681702	6	55	100.590004	138.5957184	-23.16974306	1788.794312	117.9367676	-0.049007893	1813.573242	119.0568695	-1.273757935	1812.483154
19:20:37	183.0522614	6	55	101.246254	138.588501	-23.16253185	1788.801514	117.9357147	-0.04795599	1813.574341	119.0558167	-1.272706985	1812.484253
19:20:42	183.1356049	6	55	100.9225006	138.6039886	-23.17801094	1788.786011	117.9400406	-0.052278996	1813.569946	119.0558167	-1.272706985	1812.484253
19:20:47	183.2190552	6	55	101.7362518	138.6173553	-23.19138527	1788.772705	117.9357147	-0.052278996	1813.574341	119.0601425	-1.27703476	1812.479858
19:20:52	183.3028717	6	55	101.1937485	138.6173553	-23.19138527	1788.772705	117.9357147	-0.04795599	1813.574341	119.0558167	-1.272706985	1812.484253
19:20:57	183.3867035	6	55	101.5699997	138.6245728	-23.19859648	1788.765381	117.9357147	-0.04795599	1813.574341	119.0558167	-1.272706985	1812.484253
19:21:02	183.4705048	6	55	101.3337555	138.6317902	-23.20581198	1788.758179	117.9357147	-0.04795599	1813.574341	119.0601425	-1.27703476	1812.479858
19:21:07	183.5546265	6	55	100.0912476	138.6307373	-23.20476007	1788.759277	117.9400406	-0.052278996	1813.569946	119.0644684	-1.281362534	1812.475586
19:21:11	183.6218719	6	55	100.0562515	138.6462097	-23.22023439	1788.743774	117.9400406	-0.056611061	1813.569946	119.0644684	-1.285694122	1812.475586
19:21:16	183.7057495	6	55	100.5812454	138.6534271	-23.22744989	1788.736572	117.9357147	-0.04795599	1813.574341	119.0688019	-1.285694122	1812.471191
19:21:21	183.7897797	6	55	100.3012543	138.6534271	-23.22744989	1788.736572	117.9400406	-0.052278996	1813.569946	119.0731277	-1.290016174	1812.466919
19:21:26	183.8739166	6	55	101.6662521	138.6750641	-23.24908781	1788.714966	117.9357147	-0.04795599	1813.574341	119.0731277	-1.290016174	1812.466919

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	RW7_Flow	RW7_DW	RW7_WLD	RW7_WLE	MW50B_DW	MW50B_WLD	MW50B_WLE	MW50C_DW	MW50C_WLD	MW50C_WLE
19:21:31	183.9580841	6	55	100.7474976	138.6750641	-23.24908781	1788.714966	117.9400406	-0.052278996	1813.569946	119.0688019	-1.285694122	1812.471191
19:21:36	184.0413208	6	55	101.4562531	138.6822815	-23.25629902	1788.707764	117.9400406	-0.052278996	1813.569946	119.0731277	-1.290016174	1812.466919
19:21:41	184.1250153	6	55	101.3862457	138.6894836	-23.26351452	1788.700562	117.9443665	-0.056611061	1813.565674	119.0774612	-1.29434967	1812.462524
19:21:46	184.2084503	6	55	101.6662521	138.6812286	-23.26246262	1788.70874	117.9357147	-0.04795599	1813.574341	119.0774612	-1.29434967	1812.462524
19:21:51	184.2920532	6	55	100.7824936	138.6894836	-23.25629902	1788.700562	117.9357147	-0.04795599	1813.574341	119.0731277	-1.290016174	1812.466919
19:21:56	184.3766174	6	55	101.5350037	138.7039185	-23.26351452	1788.686035	117.9313812	-0.043623924	1813.578613	119.0774612	-1.29434967	1812.462524
19:22:01	184.4599609	6	55	101.5612564	138.7028656	-23.27688932	1788.687134	117.9476471	-0.060938835	1813.562378	119.0764084	-1.29434967	1812.463623
19:22:06	184.5436859	6	55	102.3050003	138.710083	-23.28410053	1788.679932	117.9389877	-0.052278996	1813.571045	119.0764084	-1.29434967	1812.463623
19:22:11	184.6282043	6	55	101.2549973	138.7111206	-23.29131174	1788.678955	117.9389877	-0.051227093	1813.571045	119.0807343	-1.297620773	1812.459351
19:22:16	184.7120819	6	55	100.8525009	138.710083	-23.29852724	1788.679932	117.9433136	-0.055558681	1813.56665	119.0807343	-1.297620773	1812.459351
19:22:21	184.7958832	6	55	101.0012512	138.7111206	-23.29957962	1788.678955	117.9400406	-0.051227093	1813.569946	119.0817795	-1.297620773	1812.458252
19:22:26	184.8798065	6	55	100.6337509	138.718338	-23.29236364	1788.671631	117.9227295	-0.034968853	1813.58728	119.0817795	-1.298671722	1812.458252
19:22:31	184.9634857	6	55	100.659996	138.7255554	-23.30573845	1788.664429	117.9400406	-0.052278996	1813.569946	119.0817795	-1.298671722	1812.458252
19:22:41	185.1305389	6	55	101.6749954	138.7471924	-23.31400156	1788.642822	117.9443665	-0.056611061	1813.565674	119.0817795	-1.298671722	1812.458252
19:22:51	185.2984467	6	55	100.2662506	138.7533569	-23.33459187	1788.636719	117.9389877	-0.04795599	1813.571045	119.0850601	-1.298671722	1812.454956
19:23:01	185.465332	6	55	100.3187485	138.7605743	-23.33564425	1788.629395	117.9389877	-0.052278996	1813.571045	119.0850601	-1.303003311	1812.454956
19:23:11	185.6329041	6	55	101.3337555	138.7760468	-23.34180307	1788.614014	117.9400406	-0.051227093	1813.569946	119.086113	-1.301952362	1812.453979
19:23:22	185.8009796	6	55	101.9199982	138.7832642	-23.35728216	1788.606689	117.9400406	-0.052278996	1813.569946	119.0904388	-1.307327271	1812.449585
19:23:32	185.9686279	6	55	101.0537491	138.7832642	-23.35728216	1788.606689	117.9443665	-0.056611061	1813.565674	119.0947723	-1.311658859	1812.445313
19:23:42	186.1354523	6	55	101.1500015	138.7976837	-23.37170887	1788.592285	117.9443665	-0.056611061	1813.565674	119.0947723	-1.311658859	1812.445313
19:23:52	186.3029938	6	55	101.2287521	138.7976837	-23.37170887	1788.592285	117.9313812	-0.043623924	1813.578613	119.0947723	-1.311658859	1812.445313
19:24:02	186.4704437	6	55	101.3687515	138.8193207	-23.39334679	1788.570679	117.9443665	-0.056611061	1813.565674	119.0990982	-1.315986633	1812.440918
19:24:12	186.6395874	6	55	101.5524979	138.8182678	-23.39229441	1788.571777	117.9346619	-0.04690361	1813.575317	119.0980453	-1.314935684	1812.442017
19:24:22	186.8075714	6	55	100.7824936	138.8337402	-23.4077692	1788.556274	117.9400406	-0.052278996	1813.569946	119.0990982	-1.315986633	1812.440918
19:24:32	186.9739532	6	55	101.5874939	138.8409576	-23.41498899	1788.549072	117.9443665	-0.056611061	1813.565674	119.0990982	-1.315986633	1812.440918
19:24:42	187.1414337	6	55	100.9749985	138.848175	-23.42325258	1788.54187	117.9400406	-0.052278996	1813.569946	119.0990982	-1.315986633	1812.440918
19:24:52	187.3099213	6	55	101.3600006	138.8553925	-23.42941141	1788.534668	117.9400406	-0.052278996	1813.569946	119.1034241	-1.320314407	1812.436646
19:25:02	187.4779053	6	55	100.6512527	138.8636475	-23.42941141	1788.526367	117.9357147	-0.04795599	1813.574341	119.1034241	-1.320314407	1812.436646
19:25:11	187.6293945	6	55	101.9462509	138.869812	-23.45104933	1788.520264	117.9400406	-0.052278996	1813.569946	119.1034241	-1.320314407	1812.436646
19:25:21	187.7970123	6	55	100.2924957	138.8842316	-23.46547604	1788.505737	117.9443665	-0.056611061	1813.565674	119.1077499	-1.324642181	1812.432251
19:25:31	187.9655304	6	55	100.4850006	138.891449	-23.46547604	1788.498535	117.9357147	-0.052278996	1813.574341	119.1034241	-1.320314407	1812.436646
19:25:41	188.1332855	6	55	101.4387512	138.8903961	-23.46442413	1788.499634	117.9346619	-0.04690361	1813.575317	119.1066971	-1.323589325	1812.43335
19:25:52	188.3013458	6	55	101.8762436	138.8986664	-23.47269154	1788.491333	117.9443665	-0.056611061	1813.565674	119.1120758	-1.328966141	1812.427979
19:26:02	188.4694366	6	55	100.0737534	138.8986664	-23.48711395	1788.491333	117.9443665	-0.056611061	1813.565674	119.1077499	-1.324642181	1812.432251
19:26:12	188.6386108	6	55	100.6774979	138.9058838	-23.49432516	1788.484131	117.9443665	-0.056611061	1813.565674	119.1120758	-1.328966141	1812.427979
19:26:22	188.8073273	6	55	100.4150009	138.9203033	-23.49432516	1788.469727	117.9400406	-0.052278996	1813.569946	119.1077499	-1.324642181	1812.432251
19:26:32	188.9759827	6	55	99.51374817	138.9419403	-23.50875616	1788.44812	117.9487	-0.060938835	1813.561279	119.1164093	-1.333297729	1812.423584
19:26:42	189.1441345	6	55	101.6050034	138.9419403	-23.52317858	1788.44812	117.9400406	-0.052278996	1813.569946	119.1120758	-1.328966141	1812.427979
19:26:52	189.3117828	6	55	100.3362503	138.9419403	-23.51596737	1788.44812	117.9400406	-0.052278996	1813.569946	119.1120758	-1.328966141	1812.427979
19:27:02	189.4703064	6	55	100.5987473	138.9419403	-23.51596737	1788.44812	117.9400406	-0.052278996	1813.569946	119.1120758	-1.328966141	1812.427979
19:27:12	189.6374969	6	55	99.83750153	138.9563751	-23.53039408	1788.433594	117.9443665	-0.056611061	1813.565674	119.1077499	-1.324642181	1812.432251
19:27:22	189.8043823	6	55	100.5199966	138.9491577	-23.52317858	1788.440918	117.9400406	-0.052278996	1813.569946	119.1207275	-1.337619781	1812.419312
19:27:32	189.9711609	6	55	100.6162491	138.9563751	-23.53039408	1788.433594	117.9400406	-0.052278996	1813.569946	119.1164093	-1.333297729	1812.423584
19:29:13	191.6450043	6	55	100.8175049	139.0284882	-23.57982922	1788.361572	117.9389877	-0.051227093	1813.571045	119.1240082	-1.340900421	1812.416016
19:30:53	193.30159	6	55	100.5462494	139.0861969	-23.66022635	1788.303833	117.927063	-0.039300919	1813.583008	119.125061	-1.341953278	1812.415039
19:32:32	194.9658661	6	55	102.1737518	139.1294861	-23.70350647	1788.260498	117.9400406	-0.052278996	1813.569946	119.1337128	-1.350606918	1812.406372

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	RW7_Flow	RW7_DW	RW7_WLD	RW7_WLE	MW50B_DW	MW50B_WLD	MW50B_WLE	MW50C_DW	MW50C_WLD	MW50C_WLE
19:34:13	196.6465759	6	55	100.7125015	139.1882324	-23.76226139	1788.201782	117.9410858	-0.053331375	1813.56897	119.1390991	-1.355987549	1812.400879
19:35:53	198.3092804	6	55	100.4237518	139.2304535	-23.80448508	1788.159546	117.9313812	-0.043623924	1813.578613	119.1423721	-1.359262466	1812.397705
19:37:32	199.9675903	6	55	101.6487503	139.2665253	-23.84776092	1788.123535	117.9357147	-0.04795599	1813.574341	119.1380463	-1.354934692	1812.401978
19:39:13	201.6410675	6	55	101.3775024	139.324234	-23.89825249	1788.065796	117.9357147	-0.04795599	1813.574341	119.1423721	-1.359262466	1812.397705
19:40:52	203.2992859	6	55	101.2112503	139.3386536	-23.9126792	1788.051392	117.9357147	-0.04795599	1813.574341	119.146698	-1.36359024	1812.393311
19:42:33	204.9732056	6	55	100.5374985	139.3953094	-23.9693296	1787.994751	117.9346619	-0.04690361	1813.575317	119.1543045	-1.371192932	1812.385742
19:44:12	206.6313782	6	55	100.3099976	139.431366	-24.00539422	1787.958618	117.9346619	-0.04690361	1813.575317	119.1499786	-1.36687088	1812.390015
19:45:53	208.3048401	6	55	101.9899979	139.4602203	-24.03424788	1787.92981	117.9303284	-0.042571545	1813.579712	119.1499786	-1.36687088	1812.390015
19:47:33	209.9790802	6	55	99.06749725	139.5034943	-24.07030797	1787.886475	117.9303284	-0.042571545	1813.579712	119.1586304	-1.375524521	1812.381348
19:49:13	211.6402435	6	55	99.55750275	139.5251312	-24.09916162	1787.864868	117.9346619	-0.04690361	1813.575317	119.1543045	-1.371192932	1812.385742
19:50:53	213.3069611	6	55	100.2487488	139.5756226	-24.14965296	1787.814453	117.9389877	-0.051227093	1813.571045	119.1543045	-1.371192932	1812.385742
19:52:32	214.9647369	6	55	99.76750183	139.5745697	-24.14860082	1787.81543	117.933609	-0.04690361	1813.576416	119.1532516	-1.371192932	1812.386841
19:54:13	216.6413727	6	55	100.4150009	139.6116943	-24.18571758	1787.77832	117.9346619	-0.04690361	1813.575317	119.1543045	-1.371192932	1812.385742
19:55:52	218.2993011	6	55	99.78500366	139.6549683	-24.22899795	1787.735107	117.9303284	-0.042571545	1813.579712	119.1586304	-1.375524521	1812.381348
19:57:33	219.9736633	6	55	98.98874664	139.6766052	-24.25063157	1787.713379	117.9303284	-0.042571545	1813.579712	119.1629562	-1.37984848	1812.377075
19:59:13	221.6434937	6	55	100.2312469	139.6827698	-24.25679493	1787.707275	117.9249573	-0.037196159	1813.585083	119.1619034	-1.378795624	1812.378174
20:00:52	223.3000336	6	55	101.2900009	139.7044067	-24.29285955	1787.685547	117.9379349	-0.050174713	1813.572021	119.1619034	-1.378795624	1812.378174
20:02:33	224.9755554	6	55	100.7212448	139.7394257	-24.31344748	1787.650635	117.936882	-0.049120426	1813.57312	119.1608505	-1.377742767	1812.37915
20:04:12	226.6310425	6	55	99.87249756	139.76828	-24.3422966	1787.621704	117.9325562	-0.044796944	1813.577393	119.1651764	-1.382070541	1812.374878
20:05:52	228.3052826	6	55	99.35624695	139.789917	-24.35671902	1787.600098	117.9325562	-0.044796944	1813.577393	119.1651764	-1.382070541	1812.374878
20:07:33	229.9636383	6	55	101.0800018	139.7960663	-24.37009788	1787.593994	117.9358292	-0.048068047	1813.574219	119.1641235	-1.381017685	1812.375977
20:09:13	231.641098	6	55	100.2225037	139.8177032	-24.3917315	1787.572266	117.9315033	-0.043745041	1813.578491	119.1641235	-1.381017685	1812.375977
20:10:53	233.2996521	6	55	100.9137497	139.8599396	-24.43395734	1787.530029	117.9391022	-0.051345825	1813.570923	119.1674042	-1.384290695	1812.372681
20:12:33	234.9736786	6	55	100.2574997	139.8681946	-24.44222283	1787.521851	117.9358292	-0.048068047	1813.574219	119.1641235	-1.381017685	1812.375977
20:14:13	236.6298828	6	55	99.83750153	139.875412	-24.44943404	1787.514648	117.9271698	-0.039412975	1813.582886	119.168457	-1.385345459	1812.371582
20:15:53	238.3048401	6	55	100.3625031	139.8959961	-24.47002196	1787.494019	117.9271698	-0.039412975	1813.582886	119.1641235	-1.381017685	1812.375977
20:17:33	239.9627686	6	55	99.80249786	139.9186859	-24.49271441	1787.471313	117.9315033	-0.043745041	1813.578491	119.1641235	-1.381017685	1812.375977
20:17:38	240.045929	7	56	103.5825043	140.0124512	-24.58648181	1787.377563	117.9358292	-0.048068047	1813.574219	119.1641235	-1.381017685	1812.375977
20:17:43	240.1294556	7	56	108.5175018	140.3226166	-24.89664149	1787.067383	117.9347687	-0.04701376	1813.575195	119.1674042	-1.388618469	1812.372681
20:17:48	240.2133636	7	56	109.9087524	140.5884399	-25.16246223	1786.801514	117.9358292	-0.048068047	1813.574219	119.1727829	-1.389673233	1812.36731
20:17:53	240.2971191	7	56	109.4362488	140.8058777	-25.37990713	1786.584106	117.9358292	-0.048068047	1813.574219	119.1727829	-1.389673233	1812.36731
20:17:58	240.3810272	7	56	108.902504	140.9862061	-25.56023049	1786.403809	117.9358292	-0.048068047	1813.574219	119.1727829	-1.389673233	1812.36731
20:18:03	240.4651794	7	56	109.7774963	141.1654816	-25.73949957	1786.224487	117.9391022	-0.051345825	1813.570923	119.1760559	-1.392950058	1812.364014
20:18:08	240.5486908	7	56	109.2874985	141.2808838	-25.85490704	1786.109131	117.9347687	-0.04701376	1813.575195	119.1803818	-1.397274017	1812.359619
20:18:13	240.6325073	7	56	110.0049973	141.374649	-25.94867432	1786.015381	117.9347687	-0.04701376	1813.575195	119.1803818	-1.397274017	1812.359619
20:18:18	240.7158356	7	56	109.4625015	141.4612122	-26.0352304	1785.928833	117.9315033	-0.043745041	1813.578491	119.1857681	-1.40266037	1812.354248
20:18:23	240.7993927	7	56	109.7512512	141.5405426	-26.09293306	1785.849487	117.9261169	-0.039412975	1813.583862	119.1890411	-1.406982422	1812.350952
20:18:28	240.8829803	7	56	108.753746	141.5982513	-26.17227578	1785.791748	117.9304504	-0.042690754	1813.57959	119.1933746	-1.410261154	1812.34668
20:18:33	240.9669342	7	56	109.2087479	141.6559601	-26.21555388	1785.734009	117.9304504	-0.042690754	1813.57959	119.1890411	-1.405927658	1812.350952
20:18:38	241.0507507	7	56	108.1937485	141.7064514	-26.26604533	1785.683594	117.9304504	-0.042690754	1813.57959	119.1933746	-1.410261154	1812.34668
20:18:43	241.1354065	7	56	108.5	141.7497253	-26.30932343	1785.640259	117.9261169	-0.038358688	1813.583862	119.1976929	-1.414583206	1812.342285
20:18:48	241.2190857	7	56	108.5350037	141.7857819	-26.34538364	1785.604248	117.9261169	-0.038358688	1813.583862	119.2020264	-1.418914795	1812.338013
20:18:53	241.3024445	7	56	108.246254	141.8218536	-26.38866174	1785.568115	117.9347687	-0.04701376	1813.575195	119.2020264	-1.418914795	1812.338013
20:18:58	241.3860168	7	56	108.8062515	141.850708	-26.41030407	1785.539307	117.9347687	-0.04701376	1813.575195	119.2063522	-1.423242569	1812.33374
20:19:03	241.4697113	7	56	108.3337479	141.872345	-26.43915319	1785.5177	117.9347687	-0.051345825	1813.575195	119.2106781	-1.423242569	1812.329346
20:19:08	241.5536194	7	56	107.8962555	141.8939819	-26.46079326	1785.496094	117.9304504	-0.042690754	1813.57959	119.2106781	-1.427570343	1812.329346

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	RW7_Flow	RW7_DW	RW7_WLD	RW7_WLE	MW50B_DW	MW50B_WLD	MW50B_WLE	MW50C_DW	MW50C_WLD	MW50C_WLE
20:19:13	241.6373138	7	56	107.5200043	141.9084015	-26.48243129	1785.481567	117.9304504	-0.042690754	1813.57959	119.2106781	-1.427570343	1812.329346
20:19:18	241.721405	7	56	106.8025055	141.9300537	-26.50407135	1785.459961	117.9347687	-0.04701376	1813.575195	119.2150116	-1.431898117	1812.325073
20:19:23	241.8053436	7	56	107.1262512	141.9444733	-26.51849592	1785.445557	117.9347687	-0.04701376	1813.575195	119.2106781	-1.431898117	1812.329346
20:19:28	241.889679	7	56	107.8174973	141.9588928	-26.52570927	1785.431152	117.9304504	-0.042690754	1813.57959	119.2150116	-1.431898117	1812.325073
20:19:34	241.9812164	7	56	108.6662445	141.9733276	-26.54734945	1785.416748	117.9304504	-0.042690754	1813.57959	119.2193375	-1.436225891	1812.320679
20:19:39	242.0652618	7	56	107.9925003	141.9949646	-26.56898737	1785.39502	117.9347687	-0.04701376	1813.575195	119.2193375	-1.436225891	1812.320679
20:19:44	242.1487732	7	56	109.0337524	142.0021667	-26.57619852	1785.387817	117.9347687	-0.04701376	1813.575195	119.2236633	-1.440553665	1812.316406
20:19:49	242.2327271	7	56	109.1125031	142.0021667	-26.57619852	1785.387817	117.9347687	-0.04701376	1813.575195	119.2236633	-1.440553665	1812.316406
20:19:54	242.3166199	7	56	108.1675034	142.023819	-26.5978387	1785.366211	117.9391022	-0.051345825	1813.570923	119.2236633	-1.440553665	1812.316406
20:19:58	242.3838654	7	56	108.246254	142.023819	-26.5978387	1785.366211	117.9347687	-0.04701376	1813.575195	119.2236633	-1.440553665	1812.316406
20:20:03	242.4676514	7	56	108.3949966	142.0310211	-26.60505205	1785.359009	117.9347687	-0.04701376	1813.575195	119.2236633	-1.444881439	1812.316406
20:20:08	242.5517883	7	56	108.5262451	142.0382385	-26.61226541	1785.351807	117.9304504	-0.042690754	1813.57959	119.2279892	-1.444881439	1812.312012
20:20:13	242.6362152	7	56	107.7912521	142.0454559	-26.61947662	1785.344604	117.9347687	-0.04701376	1813.575195	119.2323151	-1.449209213	1812.307739
20:20:18	242.7200623	7	56	107.8350067	142.0598755	-26.63390118	1785.330078	117.9347687	-0.04701376	1813.575195	119.2323151	-1.449209213	1812.307739
20:20:23	242.8040009	7	56	107.3099976	142.0732574	-26.64727795	1785.316772	117.9293976	-0.041638374	1813.580566	119.2312622	-1.448156357	1812.308838
20:20:28	242.8880615	7	56	108.3424988	142.0732574	-26.64727795	1785.316772	117.9347687	-0.04596138	1813.575195	119.2279892	-1.443828583	1812.312012
20:20:33	242.9717865	7	56	107.7562485	142.0743103	-26.64833009	1785.315674	117.9347687	-0.04596138	1813.575195	119.2323151	-1.448156357	1812.307739
20:20:38	243.0551147	7	56	109.3050003	142.0815125	-26.6555413	1785.308472	117.9293976	-0.042690754	1813.580566	119.2355957	-1.453536987	1812.304443
20:20:43	243.1393433	7	56	108.3424988	142.0815125	-26.6555413	1785.308472	117.9347687	-0.04701376	1813.575195	119.2366486	-1.453536987	1812.303345
20:20:48	243.2230072	7	56	108.0712509	142.0887299	-26.66275465	1785.30127	117.9304504	-0.04701376	1813.57959	119.2366486	-1.453536987	1812.303345
20:20:53	243.3062592	7	56	108.2549973	142.0732574	-26.64727795	1785.316772	117.9293976	-0.041638374	1813.580566	119.2399216	-1.456811905	1812.300171
20:20:58	243.3894653	7	56	108.3250046	142.0887299	-26.66275465	1785.30127	117.9347687	-0.04701376	1813.575195	119.2409744	-1.457864761	1812.299072
20:21:03	243.473587	7	56	108.0187531	142.1031494	-26.67717922	1785.286865	117.9337158	-0.051345825	1813.576294	119.2355957	-1.449209213	1812.304443
20:21:08	243.5568542	7	56	108.2200012	142.1031494	-26.67717922	1785.286865	117.9347687	-0.04701376	1813.575195	119.2366486	-1.453536987	1812.303345
20:21:13	243.6405182	7	56	108.5437469	142.0959473	-26.66996807	1785.294067	117.9304504	-0.042690754	1813.57959	119.2366486	-1.453536987	1812.303345
20:21:18	243.7244568	7	56	108.2549973	142.0959473	-26.66996807	1785.294067	117.9304504	-0.038358688	1813.57959	119.2409744	-1.453536987	1812.299072
20:21:23	243.8079987	7	56	108.2900009	142.0959473	-26.66996807	1785.294067	117.9347687	-0.042690754	1813.575195	119.2409744	-1.457864761	1812.299072
20:21:28	243.8912659	7	56	108.316246	142.0959473	-26.66996807	1785.294067	117.9347687	-0.04701376	1813.575195	119.2409744	-1.457864761	1812.299072
20:21:33	243.9747314	7	56	108.1675034	142.1103668	-26.68439484	1785.279663	117.9261169	-0.038358688	1813.583862	119.2409744	-1.457864761	1812.299072
20:21:38	244.0583344	7	56	107.3099976	142.1031494	-26.67717922	1785.286865	117.9250641	-0.038358688	1813.584961	119.2442474	-1.462192535	1812.295776
20:21:44	244.1426544	7	56	108.0449982	142.1020966	-26.67612708	1785.287964	117.9250641	-0.037306309	1813.584961	119.2442474	-1.461139679	1812.295776
20:21:49	244.2268372	7	56	107.3187561	142.1237488	-26.6977672	1785.266235	117.9250641	-0.037306309	1813.584961	119.2442474	-1.461139679	1812.295776
20:21:54	244.311203	7	56	108.0100021	142.1237488	-26.6977672	1785.266235	117.9293976	-0.041638374	1813.580566	119.2442474	-1.461139679	1812.295776
20:21:59	244.3950653	7	56	109.1387482	142.1320038	-26.70603275	1785.258057	117.9250641	-0.037306309	1813.584961	119.2399216	-1.456811905	1812.300171
20:22:04	244.4788361	7	56	109.2525024	142.1320038	-26.70603275	1785.258057	117.9250641	-0.037306309	1813.584961	119.2399216	-1.456811905	1812.300171
20:22:09	244.5621338	7	56	108.7274933	142.1536407	-26.72767067	1785.236328	117.9304504	-0.042690754	1813.57959	119.2453003	-1.462192535	1812.294678
20:22:14	244.645401	7	56	108.6750031	142.1381683	-26.71219397	1785.251831	117.9261169	-0.038358688	1813.583862	119.2409744	-1.457864761	1812.299072
20:22:19	244.7288818	7	56	107.8700027	142.1464386	-26.72045732	1785.24353	117.9304504	-0.042690754	1813.57959	119.2453003	-1.462192535	1812.294678
20:22:24	244.8124542	7	56	107.4850006	142.1392212	-26.71324611	1785.250732	117.9250641	-0.037306309	1813.584961	119.2485809	-1.465467453	1812.291504
20:22:29	244.8969116	7	56	107.8874969	142.1381683	-26.71219397	1785.251831	117.9250641	-0.037306309	1813.584961	119.2485809	-1.465467453	1812.291504
20:22:34	244.9808044	7	56	107.7125015	142.1525879	-26.72661847	1785.237427	117.9250641	-0.037306309	1813.584961	119.2442474	-1.461139679	1812.295776
20:22:44	245.1484985	7	56	108.1412506	142.1598053	-26.73383409	1785.230225	117.9293976	-0.041638374	1813.580566	119.2529068	-1.469795227	1812.287109
20:22:54	245.3167572	7	56	107.3537521	142.1670227	-26.74104524	1785.223022	117.9293976	-0.038358688	1813.580566	119.2485809	-1.470846176	1812.291504
20:23:04	245.4849548	7	56	108.8237534	142.1670227	-26.74104524	1785.223022	117.9250641	-0.037306309	1813.584961	119.2485809	-1.465467453	1812.291504
20:23:14	245.6522064	7	56	108.2200012	142.1598053	-26.73383409	1785.230225	117.9293976	-0.041638374	1813.580566	119.2529068	-1.469795227	1812.287109
20:23:24	245.8191681	7	56	107.7562485	142.1742401	-26.74825865	1785.21582	117.9250641	-0.037306309	1813.584961	119.2529068	-1.469795227	1812.287109

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RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	RW7_Flow	RW7_DW	RW7_WLD	RW7_WLE	MW50B_DW	MW50B_WLD	MW50B_WLE	MW50C_DW	MW50C_WLD	MW50C_WLE
20:23:34	245.9866486	7	56	107.152504	142.1814423	-26.755472	1785.208618	117.9293976	-0.041638374	1813.580566	119.2529068	-1.469795227	1812.287109
20:23:44	246.1539764	7	56	107.6512527	142.1814423	-26.755472	1785.208618	117.9347687	-0.04596138	1813.575195	119.253952	-1.469795227	1812.286133
20:23:54	246.3222351	7	56	108.8062515	142.1897125	-26.76373535	1785.200317	117.9337158	-0.04701376	1813.576294	119.2529068	-1.470846176	1812.287109
20:24:04	246.4902802	7	56	107.808754	142.1886597	-26.77094877	1785.201416	117.9337158	-0.042690754	1813.576294	119.2572327	-1.47517395	1812.282837
20:24:14	246.6590118	7	56	108.6487503	142.1958771	-26.76989657	1785.194092	117.9293976	-0.041638374	1813.580566	119.2572327	-1.474123001	1812.282837
20:24:24	246.8105011	7	56	107.659996	142.1958771	-26.76989657	1785.194092	117.9337158	-0.04596138	1813.576294	119.2529068	-1.469795227	1812.287109
20:24:34	246.9804535	7	56	107.5550003	142.1958771	-26.76989657	1785.194092	117.9207382	-0.032983303	1813.589233	119.2572327	-1.474123001	1812.282837
20:24:44	247.1469116	7	56	108.0187531	142.2030945	-26.77711213	1785.18689	117.9283447	-0.040585995	1813.581665	119.2561798	-1.473070145	1812.283813
20:24:54	247.3144379	7	56	107.9487457	142.2030945	-26.77711213	1785.18689	117.9337158	-0.04596138	1813.576294	119.2572327	-1.474123001	1812.282837
20:25:04	247.4819794	7	56	108.1499939	142.2102966	-26.78432333	1785.179688	117.9380493	-0.041638374	1813.572021	119.2572327	-1.469795227	1812.282837
20:25:14	247.6499023	7	56	107.3362503	142.217514	-26.79153669	1785.172485	117.9250641	-0.037306309	1813.584961	119.2615585	-1.478448868	1812.278442
20:25:24	247.8177643	7	56	105.6475067	142.2164612	-26.79048449	1785.173584	117.9293976	-0.040585995	1813.580566	119.2615585	-1.477397919	1812.278442
20:25:34	247.9854736	7	56	106.3649979	142.2247162	-26.7987479	1785.165283	117.9293976	-0.04596138	1813.580566	119.2615585	-1.478448868	1812.278442
20:25:44	248.1530762	7	56	108.4387436	142.2308807	-26.80490905	1785.15918	117.9283447	-0.040585995	1813.581665	119.2605057	-1.477397919	1812.279541
20:25:54	248.3218536	7	56	107.9137497	142.2308807	-26.80490905	1785.15918	117.9240112	-0.036254406	1813.585938	119.2605057	-1.477397919	1812.279541
20:26:04	248.4886017	7	56	107.7387466	142.2380981	-26.81212246	1785.151855	117.9326706	-0.044909477	1813.577393	119.2648392	-1.481729507	1812.275146
20:26:14	248.6555023	7	56	107.6687546	142.2380981	-26.81212246	1785.151855	117.9283447	-0.040585995	1813.581665	119.2605057	-1.477397919	1812.279541
20:26:24	248.8229675	7	56	106.4787445	142.2535706	-26.82760137	1785.136475	117.9380493	-0.049241543	1813.572021	119.2615585	-1.477397919	1812.278442
20:26:34	248.9906311	7	56	107.8612442	142.260788	-26.81933361	1785.129272	117.9380493	-0.049241543	1813.572021	119.2615585	-1.477397919	1812.278442
20:26:45	249.1593933	7	56	107.5724945	142.2597351	-26.83376259	1785.130249	117.9326706	-0.044909477	1813.577393	119.2648392	-1.481729507	1812.275146
20:26:55	249.3273468	7	56	107.1699982	142.2597351	-26.83376259	1785.130249	117.9283447	-0.040585995	1813.581665	119.2648392	-1.481729507	1812.275146
20:27:05	249.4953766	7	56	107.4237518	142.2597351	-26.83376259	1785.130249	117.9283447	-0.040585995	1813.581665	119.2605057	-1.477397919	1812.279541
20:27:15	249.6623993	7	56	106.9949951	142.2669525	-26.84097373	1785.123047	117.9283447	-0.040585995	1813.581665	119.2605057	-1.477397919	1812.279541
20:27:24	249.8142548	7	56	107.1612473	142.2741699	-26.84818715	1785.115845	117.9326706	-0.044909477	1813.577393	119.2648392	-1.481729507	1812.275146
20:27:34	249.9832001	7	56	107.4587479	142.2741699	-26.84818715	1785.115845	117.9240112	-0.036254406	1813.585938	119.2648392	-1.481729507	1812.275146
20:29:15	251.661377	7	56	107.3362503	142.303009	-26.87704062	1785.087036	117.9283447	-0.040585995	1813.581665	119.2605057	-1.486053467	1812.279541
20:30:54	253.3232574	7	56	107.0999985	142.3318634	-26.90588975	1785.058105	117.9326706	-0.036254406	1813.577393	119.269165	-1.486053467	1812.270874
20:32:34	254.9866028	7	56	107.4937515	142.3607178	-26.93474329	1785.029297	117.9240112	-0.036254406	1813.585938	119.269165	-1.486053467	1812.270874
20:34:15	256.6622925	7	56	107.2312546	142.3751373	-26.94916785	1785.014893	117.9272919	-0.039534092	1813.582764	119.2724457	-1.489332199	1812.267578
20:35:54	258.3259277	7	56	107.9137497	142.4163208	-26.99034154	1784.973633	117.9272919	-0.038481712	1813.582764	119.2724457	-1.48828125	1812.267578
20:37:34	259.9938354	7	56	107.9225006	142.4307404	-27.01198167	1784.959229	117.926239	-0.038481712	1813.58374	119.2757111	-1.492603302	1812.264282
20:39:14	261.657135	7	56	107.5462494	142.4585419	-27.03256524	1784.931519	117.9251862	-0.037427425	1813.584839	119.2746582	-1.491548538	1812.265381
20:40:54	263.3200378	7	56	108.2900009	142.4863434	-27.06036651	1784.903687	117.9241333	-0.036375523	1813.585938	119.2736053	-1.490497589	1812.266479
20:42:34	264.9828796	7	56	107.7387466	142.4935608	-27.06757772	1784.896484	117.9241333	-0.036375523	1813.585938	119.2779388	-1.494829178	1812.262085
20:44:13	266.6449585	7	56	108.5875015	142.5296173	-27.10364461	1784.860352	117.9197998	-0.032043457	1813.59021	119.2779388	-1.494829178	1812.262085
20:45:54	268.3265381	7	56	107.8700027	142.5502014	-27.12422594	1784.839844	117.9230804	-0.035320759	1813.586914	119.2812119	-1.498102188	1812.258789
20:47:34	269.9867859	7	56	106.4875031	142.587326	-27.16134724	1784.802734	117.9284592	-0.040698528	1813.581543	119.2822647	-1.499156952	1812.257813
20:49:15	271.6485901	7	56	106.7674942	142.6017456	-27.17577177	1784.78833	117.9284592	-0.040698528	1813.581543	119.2736053	-1.490497589	1812.266479
20:50:55	273.3131104	7	56	107.6512527	142.5945282	-27.16855839	1784.795532	117.932785	-0.045030594	1813.577271	119.2779388	-1.494829178	1812.262085
20:52:35	274.9931641	7	56	108.0449982	142.6233826	-27.19740751	1784.766602	117.9197998	-0.040698528	1813.59021	119.2779388	-1.499156952	1812.262085
20:54:15	276.6567078	7	56	107.6162491	142.6532898	-27.22731319	1784.736694	117.929512	-0.037427425	1813.580444	119.2746582	-1.495882034	1812.265381
20:55:55	278.3217468	7	56	107.0475006	142.6749268	-27.24895555	1784.715088	117.9251862	-0.037427425	1813.584839	119.2833176	-1.495882034	1812.256714
20:57:35	279.9866638	7	56	108.5350037	142.6893616	-27.26338008	1784.700684	117.929512	-0.045030594	1813.580444	119.2833176	-1.494829178	1812.256714
20:59:14	281.6456909	7	56	107.8962555	142.7109985	-27.28501582	1784.678955	117.9251862	-0.037427425	1813.584839	119.2833176	-1.500207901	1812.256714
21:00:55	283.3230591	7	56	107.3537521	142.7326355	-27.30665815	1784.657349	117.9208527	-0.037427425	1813.589111	119.2876434	-1.500207901	1812.252441
21:02:34	284.9812012	7	56	107.222496	142.760437	-27.33445509	1784.629639	117.9197998	-0.032043457	1813.59021	119.2865906	-1.503479004	1812.253418

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	RW7_Flow	RW7_DW	RW7_WLD	RW7_WLE	MW50B_DW	MW50B_WLD	MW50B_WLE	MW50C_DW	MW50C_WLD	MW50C_WLE
21:04:15	286.6574707	7	56	107.5200043	142.7748566	-27.35609522	1784.615112	117.9241333	-0.040698528	1813.585938	119.2822647	-1.499156952	1812.257813
21:05:55	288.3161011	7	56	107.4937515	142.782074	-27.35609522	1784.60791	117.9197998	-0.032043457	1813.59021	119.2909241	-1.5078125	1812.249146
21:07:34	289.980011	7	56	107.5025024	142.8037109	-27.39215991	1784.586304	117.9241333	-0.03309536	1813.585938	119.2822647	-1.50453186	1812.257813
21:09:15	291.6582947	7	56	107.7212524	142.8336182	-27.40763885	1784.556396	117.9251862	-0.037427425	1813.584839	119.2833176	-1.500207901	1812.256714
21:10:55	293.3252258	7	56	106.8112488	142.8336182	-27.40763885	1784.556396	117.9208527	-0.03309536	1813.589111	119.2919769	-1.508863449	1812.248047
21:12:35	294.9888916	7	56	107.6425018	142.8624725	-27.43649016	1784.527588	117.9251862	-0.037427425	1813.584839	119.2876434	-1.50453186	1812.252441
21:14:14	296.6491699	7	56	107.7300034	142.8768921	-27.45091691	1784.513184	117.9175873	-0.028772354	1813.592407	119.2886963	-1.50453186	1812.251343
21:15:55	298.3228149	7	56	108.0362549	142.8913116	-27.46534146	1784.498657	117.9381714	-0.050410271	1813.571777	119.2876434	-1.50453186	1812.252441
21:17:34	299.9821167	7	56	107.222496	142.9129639	-27.47255264	1784.477051	117.9468231	-0.059065342	1813.563232	119.2876434	-1.50453186	1812.252441

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW50D_DW	MW50D_WLD	MW50D_WLE	BarometricPress
16:13:01	0.080983333	2	39	117.6499939	-0.004331589	1813.809937	30.32585716
16:13:06	0.165016666	2	39	117.6456604	0	1813.814331	30.32585716
16:13:11	0.248866662	2	39	117.6413345	0.004327774	1813.818604	30.32585716
16:13:16	0.332483321	2	39	117.6456604	0	1813.814331	30.32585716
16:13:21	0.416116655	2	39	117.6456604	0	1813.814331	30.32585716
16:13:26	0.500166655	2	39	117.6456604	0	1813.814331	30.32585716
16:13:31	0.58373332	2	39	117.6456604	0	1813.814331	30.32585716
16:13:36	0.667599976	2	39	117.6456604	0	1813.814331	30.32492828
16:17:36	0.075066663	2	47	117.6467209	-0.004327774	1813.813232	30.32678986
16:17:41	0.158700004	2	47	117.6467209	-0.004327774	1813.813232	30.32678986
16:17:46	0.242850006	2	47	117.6467209	-0.004327774	1813.813232	30.32678986
16:17:51	0.326416671	2	47	117.6456604	-0.00327301	1813.814331	30.32585716
16:17:56	0.409799993	2	47	117.6413345	0.001054764	1813.818604	30.32585716
16:18:01	0.493416667	2	47	117.6467209	-0.004327774	1813.813232	30.32678986
16:18:06	0.576983333	2	47	117.6413345	0.001054764	1813.818604	30.32678986
16:18:11	0.660283327	2	47	117.6413345	0.001054764	1813.818604	30.32678986
16:18:16	0.743950009	2	47	117.6413345	0.001054764	1813.818604	30.32585716
16:18:21	0.827566683	2	47	117.6499939	-0.007604599	1813.809937	30.32585716
16:18:26	0.911050022	2	47	117.6413345	0.001054764	1813.818604	30.32585716
16:18:31	0.994966686	2	47	117.6456604	-0.00327301	1813.814331	30.32585716
16:18:36	1.07858336	2	47	117.6456604	-0.00327301	1813.814331	30.32585716
16:18:41	1.16293335	2	47	117.6467209	-0.004327774	1813.813232	30.32678986
16:18:46	1.2469666	2	47	117.6467209	-0.004327774	1813.813232	30.32585716
16:18:51	1.331799984	2	47	117.6413345	0.001054764	1813.818604	30.32678986
16:18:56	1.415516615	2	47	117.6510468	-0.008659363	1813.80896	30.32585716
16:19:01	1.499533296	2	47	117.6499939	-0.007604599	1813.809937	30.32585716
16:19:06	1.583616734	2	47	117.6499939	-0.007604599	1813.809937	30.32585716
16:19:11	1.667383313	2	47	117.6510468	-0.008659363	1813.80896	30.32585716
16:19:16	1.751333356	2	47	117.6510468	-0.008659363	1813.80896	30.32678986
16:19:21	1.835116625	2	47	117.6553726	-0.012983322	1813.804565	30.32678986
16:19:26	1.919433355	2	47	117.6510468	-0.008659363	1813.80896	30.32678986
16:19:31	2.003083229	2	47	117.6510468	-0.008659363	1813.80896	30.32678986
16:19:36	2.086833239	2	47	117.6553726	-0.012983322	1813.804565	30.32678986
16:19:41	2.170300007	2	47	117.6543198	-0.011928558	1813.805664	30.32585716
16:19:46	2.254116535	2	47	117.6532669	-0.011928558	1813.806641	30.32492828
16:19:52	2.337816715	2	47	117.6532669	-0.010875702	1813.806641	30.32492828
16:19:57	2.421900034	2	47	117.6532669	-0.010875702	1813.806641	30.32585716
16:20:02	2.505583286	2	47	117.6586533	-0.016260147	1813.80127	30.32585716
16:20:07	2.589633465	2	47	117.6586533	-0.016260147	1813.80127	30.32585716
16:20:12	2.674000025	2	47	117.6553726	-0.012983322	1813.804565	30.32678986
16:20:17	2.75758338	2	47	117.6553726	-0.012983322	1813.804565	30.32678986
16:20:22	2.841099977	2	47	117.6553726	-0.012983322	1813.804565	30.32678986
16:20:27	2.924133301	2	47	117.6553726	-0.012983322	1813.804565	30.32585716
16:20:32	3.007699966	2	47	117.6543198	-0.011928558	1813.805664	30.32585716
16:20:37	3.091733456	2	47	117.6586533	-0.016260147	1813.80127	30.32585716
16:20:42	3.175183296	2	47	117.6543198	-0.011928558	1813.805664	30.32585716

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW50D_DW	MW50D_WLD	MW50D_WLE	BarometricPress
16:20:46	3.242449999	2	47	117.6543198	-0.011928558	1813.805664	30.32585716
16:20:52	3.342183352	2	47	117.6586533	-0.016260147	1813.80127	30.32585716
16:20:57	3.425899982	2	47	117.6586533	-0.016260147	1813.80127	30.32585716
16:21:01	3.493183374	2	47	117.6586533	-0.016260147	1813.80127	30.32585716
16:21:06	3.576550007	2	47	117.6586533	-0.016260147	1813.80127	30.32585716
16:21:11	3.659983397	2	47	117.6586533	-0.016260147	1813.80127	30.32585716
16:21:16	3.744349957	2	47	117.6586533	-0.016260147	1813.80127	30.32585716
16:21:21	3.828350067	2	47	117.6543198	-0.011928558	1813.805664	30.32585716
16:21:26	3.912366629	2	47	117.6586533	-0.016260147	1813.80127	30.32585716
16:21:31	3.995699883	2	47	117.6586533	-0.016260147	1813.80127	30.32585716
16:21:36	4.07921648	2	47	117.6586533	-0.016260147	1813.80127	30.32585716
16:21:41	4.163849831	2	47	117.6629791	-0.020584106	1813.796997	30.32585716
16:21:46	4.24818325	2	47	117.6629791	-0.020584106	1813.796997	30.32585716
16:21:51	4.331983566	2	47	117.6586533	-0.016260147	1813.80127	30.32585716
16:21:56	4.415750027	2	47	117.6586533	-0.016260147	1813.80127	30.32585716
16:22:01	4.499416828	2	47	117.6629791	-0.020584106	1813.796997	30.32585716
16:22:06	4.583000183	2	47	117.6629791	-0.020584106	1813.796997	30.32585716
16:22:11	4.667533398	2	47	117.667305	-0.024915695	1813.792603	30.32585716
16:22:16	4.751600266	2	47	117.6586533	-0.016260147	1813.80127	30.32585716
16:22:21	4.835566521	2	47	117.6586533	-0.016260147	1813.80127	30.32585716
16:22:26	4.920650005	2	47	117.664032	-0.02163887	1813.795898	30.32678986
16:22:36	5.08706665	2	47	117.664032	-0.02163887	1813.795898	30.32678986
16:22:47	5.255716801	2	47	117.6629791	-0.020584106	1813.796997	30.32678986
16:22:57	5.424233437	2	47	117.6629791	-0.020584106	1813.796997	30.32585716
16:23:07	5.592000008	2	47	117.6629791	-0.020584106	1813.796997	30.32585716
16:23:17	5.760166645	2	47	117.6629791	-0.020584106	1813.796997	30.32492828
16:23:27	5.928249836	2	47	117.6629791	-0.020584106	1813.796997	30.32585716
16:23:37	6.096549988	2	47	117.6629791	-0.020584106	1813.796997	30.32585716
16:23:47	6.265200138	2	47	117.6629791	-0.020584106	1813.796997	30.32585716
16:23:57	6.422500134	2	47	117.6629791	-0.020584106	1813.796997	30.32585716
16:24:07	6.590233326	2	47	117.6629791	-0.020584106	1813.796997	30.32585716
16:24:17	6.758566856	2	47	117.664032	-0.02163887	1813.795898	30.32678986
16:24:27	6.925583363	2	47	117.6629791	-0.020584106	1813.796997	30.32585716
16:24:37	7.09311676	2	47	117.6716309	-0.029239655	1813.78833	30.32585716
16:24:47	7.260016441	2	47	117.6683655	-0.025970459	1813.791626	30.32585716
16:24:57	7.427316666	2	47	117.6662521	-0.023862839	1813.793701	30.32492828
16:25:07	7.594716549	2	47	117.6662521	-0.023862839	1813.793701	30.32492828
16:25:17	7.762266636	2	47	117.6629791	-0.020584106	1813.796997	30.32585716
16:25:27	7.930449963	2	47	117.667305	-0.024915695	1813.792603	30.32585716
16:25:37	8.098016739	2	47	117.667305	-0.024915695	1813.792603	30.32585716
16:25:47	8.267183304	2	47	117.6619263	-0.01953125	1813.798096	30.32492828
16:25:57	8.434267044	2	47	117.6662521	-0.023862839	1813.793701	30.32492828
16:26:06	8.58551693	2	47	117.6662521	-0.023862839	1813.793701	30.32492828
16:26:16	8.754966736	2	47	117.6619263	-0.023862839	1813.798096	30.32492828
16:26:27	8.922200203	2	47	117.6716309	-0.029239655	1813.78833	30.32585716
16:26:37	9.08975029	2	47	117.6662521	-0.023862839	1813.793701	30.32492828

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW50D_DW	MW50D_WLD	MW50D_WLE	BarometricPress
16:26:47	9.257499695	2	47	117.6662521	-0.023862839	1813.793701	30.32492828
16:26:57	9.424850464	2	47	117.6662521	-0.023862839	1813.793701	30.32492828
16:27:07	9.592716217	2	47	117.6716309	-0.029239655	1813.78833	30.32492828
16:27:17	9.759616852	2	47	117.670578	-0.028186798	1813.789429	30.32492828
16:27:27	9.928483009	2	47	117.6662521	-0.023862839	1813.793701	30.32399559
16:29:07	11.59168339	2	47	117.6651993	-0.022809982	1813.7948	30.32399559
16:30:46	13.25405025	2	47	117.6651993	-0.022809982	1813.7948	30.32399559
16:32:27	14.93378353	2	47	117.6695251	-0.027132034	1813.790405	30.32399559
16:34:07	16.59773254	2	47	117.6695251	-0.027132034	1813.790405	30.32399559
16:35:47	18.25943375	2	47	117.6738586	-0.031463623	1813.786133	30.32399559
16:37:26	19.92326736	2	47	117.6695251	-0.027132034	1813.790405	30.32399559
16:39:06	21.58646584	2	47	117.6695251	-0.027132034	1813.790405	30.32399559
16:40:47	23.2658329	2	47	117.6781845	-0.035791397	1813.781738	30.32399559
16:42:27	24.92421722	2	47	117.6728058	-0.030412674	1813.787109	30.32306671
16:44:07	26.60025024	2	47	117.6771317	-0.034740448	1813.782837	30.32306671
16:45:46	28.25704956	2	47	117.6771317	-0.034740448	1813.782837	30.32306671
16:47:27	29.93180084	2	47	117.6760788	-0.033687592	1813.783936	30.32213593
16:49:06	31.58833313	2	47	117.6804047	-0.039068222	1813.779541	30.32213593
16:50:48	33.26470184	2	47	117.6760788	-0.033687592	1813.783936	30.32213593
16:52:27	34.92324829	2	47	117.6804047	-0.038015366	1813.779541	30.32213593
16:54:08	36.59723282	2	47	117.6804047	-0.038015366	1813.779541	30.32213593
16:55:47	38.25481796	2	47	117.6804047	-0.038015366	1813.779541	30.32120514
16:57:28	39.92946625	2	47	117.6836853	-0.041290283	1813.776245	30.32120514
16:59:07	41.58729935	2	47	117.6826324	-0.040239334	1813.777344	30.32027626
17:00:48	43.26065063	2	47	117.6793518	-0.036962509	1813.78064	30.32120514
17:02:27	44.91828156	2	47	117.6826324	-0.040239334	1813.777344	30.32027626
17:04:07	46.5929985	2	47	117.6815796	-0.03918457	1813.77832	30.31934357
17:05:47	48.25006485	2	47	117.6815796	-0.03918457	1813.77832	30.32027626
17:07:27	49.92060089	2	47	117.6772461	-0.034856796	1813.782715	30.31934357
17:09:07	51.59243393	2	47	117.6815796	-0.03918457	1813.77832	30.31934357
17:10:47	53.25163269	2	47	117.6805267	-0.038131714	1813.779419	30.31841469
17:12:27	54.92620087	2	47	117.6805267	-0.038131714	1813.779419	30.31841469
17:14:07	56.5839653	2	47	117.6794662	-0.03707695	1813.780518	30.31748199
17:15:47	58.25706482	2	47	117.6837921	-0.041404724	1813.776123	30.31748199
17:17:27	59.91583252	2	47	117.6827469	-0.040353775	1813.777222	30.31655312
17:17:32	59.9993515	2	49	117.6794662	-0.03707695	1813.780518	30.31748199
17:17:37	60.08226776	3	49	117.6837921	-0.041404724	1813.776123	30.31655312
17:17:42	60.1657486	3	49	117.6740875	-0.031698227	1813.785889	30.31748199
17:17:47	60.24974823	3	49	117.6837921	-0.041404724	1813.776123	30.31748199
17:17:52	60.3333168	3	49	117.6794662	-0.03707695	1813.780518	30.31748199
17:17:57	60.41685104	3	49	117.6848526	-0.042459488	1813.775146	30.31748199
17:18:02	60.5006485	3	49	117.6794662	-0.03707695	1813.780518	30.31748199
17:18:07	60.58430099	3	49	117.6805267	-0.038131714	1813.779419	30.31748199
17:18:12	60.66794968	3	49	117.6794662	-0.03707695	1813.780518	30.31748199
17:18:17	60.75163269	3	49	117.6794662	-0.03707695	1813.780518	30.31748199
17:18:22	60.8351326	3	49	117.6751404	-0.032749176	1813.78479	30.31655312

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW50D_DW	MW50D_WLD	MW50D_WLE	BarometricPress
17:18:27	60.91866684	3	49	117.6827469	-0.040353775	1813.777222	30.31655312
17:18:32	61.00163269	3	49	117.6794662	-0.03707695	1813.780518	30.31748199
17:18:37	61.08551788	3	49	117.6794662	-0.03707695	1813.780518	30.31748199
17:18:42	61.16861725	3	49	117.6837921	-0.041404724	1813.776123	30.31748199
17:18:47	61.25225067	3	49	117.6794662	-0.03707695	1813.780518	30.31748199
17:18:52	61.3358345	3	49	117.6837921	-0.041404724	1813.776123	30.31748199
17:18:57	61.41994858	3	49	117.6794662	-0.03707695	1813.780518	30.31748199
17:19:02	61.50413513	3	49	117.6794662	-0.03707695	1813.780518	30.31748199
17:19:07	61.5880661	3	49	117.6794662	-0.03707695	1813.780518	30.31748199
17:19:12	61.67173386	3	49	117.6794662	-0.03707695	1813.780518	30.31748199
17:19:17	61.75536728	3	49	117.6794662	-0.03707695	1813.780518	30.31748199
17:19:22	61.83928299	3	49	117.6740875	-0.031698227	1813.785889	30.31748199
17:19:27	61.92258453	3	49	117.6794662	-0.03707695	1813.780518	30.31748199
17:19:32	62.00583267	3	49	117.6794662	-0.03707695	1813.780518	30.31748199
17:19:37	62.08981705	3	49	117.6794662	-0.03707695	1813.780518	30.31655312
17:19:42	62.17323303	3	49	117.6794662	-0.03707695	1813.780518	30.31748199
17:19:47	62.25708389	3	49	117.6794662	-0.03707695	1813.780518	30.31748199
17:19:52	62.34078217	3	49	117.6837921	-0.041404724	1813.776123	30.31748199
17:19:57	62.42481613	3	49	117.6837921	-0.041404724	1813.776123	30.31748199
17:20:02	62.5088501	3	49	117.6805267	-0.038131714	1813.779419	30.31841469
17:20:07	62.5921669	3	49	117.6805267	-0.038131714	1813.779419	30.31841469
17:20:12	62.67583466	3	49	117.6794662	-0.03707695	1813.780518	30.31748199
17:20:17	62.75933456	3	49	117.6848526	-0.042459488	1813.775146	30.31841469
17:20:22	62.84320068	3	49	117.6848526	-0.042459488	1813.775146	30.31841469
17:20:27	62.92746735	3	49	117.6837921	-0.046787262	1813.776123	30.31841469
17:20:32	63.01066589	3	49	117.6848526	-0.042459488	1813.775146	30.31841469
17:20:37	63.09441757	3	49	117.6837921	-0.041404724	1813.776123	30.31748199
17:20:42	63.17770004	3	49	117.6848526	-0.041404724	1813.775146	30.31748199
17:20:47	63.26091766	3	49	117.6794662	-0.042459488	1813.780518	30.31748199
17:20:52	63.3444519	3	49	117.6837921	-0.041404724	1813.776123	30.31748199
17:20:57	63.42803192	3	49	117.6837921	-0.041404724	1813.776123	30.31748199
17:21:02	63.51158142	3	49	117.6837921	-0.042459488	1813.776123	30.31841469
17:21:07	63.59545135	3	49	117.6837921	-0.042459488	1813.776123	30.31748199
17:21:13	63.67985153	3	49	117.6891785	-0.046787262	1813.770752	30.31841469
17:21:18	63.76421738	3	49	117.6848526	-0.042459488	1813.775146	30.31841469
17:21:23	63.84775162	3	49	117.6859055	-0.043512344	1813.774048	30.31934357
17:21:28	63.93168259	3	49	117.6891785	-0.046787262	1813.770752	30.31841469
17:21:33	64.01578522	3	49	117.6848526	-0.042459488	1813.775146	30.31841469
17:21:38	64.09968567	3	49	117.6848526	-0.042459488	1813.775146	30.31841469
17:21:43	64.18364716	3	49	117.6805267	-0.038131714	1813.779419	30.31841469
17:21:48	64.26737976	3	49	117.6881256	-0.045732498	1813.771851	30.31748199
17:21:53	64.35109711	3	49	117.6913986	-0.049007416	1813.768555	30.31655312
17:21:58	64.43491364	3	49	117.6837921	-0.041404724	1813.776123	30.31748199
17:22:03	64.51909637	3	49	117.6870728	-0.044679642	1813.772949	30.31655312
17:22:08	64.60288239	3	49	117.6870728	-0.044679642	1813.772949	30.31655312
17:22:13	64.68721771	3	49	117.6870728	-0.044679642	1813.772949	30.31655312

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW50D_DW	MW50D_WLD	MW50D_WLE	BarometricPress
17:22:18	64.77088165	3	49	117.6881256	-0.045732498	1813.771851	30.31748199
17:22:23	64.8551178	3	49	117.6881256	-0.045732498	1813.771851	30.31748199
17:22:28	64.93852997	3	49	117.6881256	-0.045732498	1813.771851	30.31748199
17:22:38	65.10531616	3	49	117.6891785	-0.046787262	1813.770752	30.31841469
17:22:48	65.27249908	3	49	117.6848526	-0.042459488	1813.775146	30.31841469
17:22:58	65.43888092	3	49	117.6837921	-0.041404724	1813.776123	30.31748199
17:23:08	65.60666656	3	49	117.6848526	-0.042459488	1813.775146	30.31841469
17:23:18	65.77398682	3	49	117.6870728	-0.044679642	1813.772949	30.31655312
17:23:28	65.94138336	3	49	117.6924515	-0.050060272	1813.767456	30.31655312
17:23:38	66.10793304	3	49	117.6881256	-0.045732498	1813.771851	30.31748199
17:23:48	66.27561951	3	49	117.6913986	-0.049007416	1813.768555	30.31655312
17:23:58	66.44261932	3	49	117.6870728	-0.044679642	1813.772949	30.31655312
17:24:08	66.61048126	3	49	117.6870728	-0.043628693	1813.772949	30.31655312
17:24:18	66.77774811	3	49	117.6860199	-0.043628693	1813.773926	30.31655312
17:24:28	66.9457016	3	49	117.6827469	-0.039300919	1813.777222	30.31655312
17:24:39	67.11338043	3	49	117.6827469	-0.040353775	1813.777222	30.31655312
17:24:48	67.26496887	3	49	117.6870728	-0.044679642	1813.772949	30.31655312
17:24:58	67.43305206	3	49	117.6957245	-0.05333519	1813.764282	30.31655312
17:25:08	67.60050201	3	49	117.6870728	-0.044679642	1813.772949	30.31655312
17:25:18	67.76824951	3	49	117.6860199	-0.043628693	1813.773926	30.31562233
17:25:28	67.93711853	3	49	117.6913986	-0.049007416	1813.768555	30.31655312
17:25:38	68.10498047	3	49	117.6913986	-0.049007416	1813.768555	30.31655312
17:25:48	68.27301788	3	49	117.6913986	-0.049007416	1813.768555	30.31655312
17:25:58	68.44129944	3	49	117.6913986	-0.049007416	1813.768555	30.31655312
17:26:08	68.60823059	3	49	117.6913986	-0.049007416	1813.768555	30.31655312
17:26:18	68.77851868	3	49	117.6957245	-0.05333519	1813.764282	30.31655312
17:26:28	68.94623566	3	49	117.6913986	-0.049007416	1813.768555	30.31655312
17:26:39	69.11503601	3	49	117.6924515	-0.050060272	1813.767456	30.31655312
17:26:49	69.28215027	3	49	117.6913986	-0.049007416	1813.768555	30.31655312
17:26:59	69.44896698	3	49	117.6924515	-0.050060272	1813.767456	30.31748199
17:27:09	69.61656952	3	49	117.6967773	-0.054388046	1813.763184	30.31748199
17:27:18	69.76766968	3	49	117.6924515	-0.050060272	1813.767456	30.31748199
17:27:28	69.93489838	3	49	117.6913986	-0.049007416	1813.768555	30.31655312
17:29:08	71.61226654	3	49	117.6913986	-0.049007416	1813.768555	30.31655312
17:30:49	73.27590179	3	49	117.6913986	-0.049007416	1813.768555	30.31655312
17:32:29	74.93975067	3	49	117.6924515	-0.050060272	1813.767456	30.31748199
17:34:09	76.60448456	3	49	117.6957245	-0.05333519	1813.764282	30.31655312
17:35:49	78.28109741	3	49	117.6913986	-0.049007416	1813.768555	30.31655312
17:37:29	79.94731903	3	49	117.6957245	-0.05333519	1813.764282	30.31655312
17:39:09	81.60482025	3	49	117.6913986	-0.049007416	1813.768555	30.31655312
17:40:49	83.26933289	3	49	117.6957245	-0.05333519	1813.764282	30.31748199
17:42:29	84.94731903	3	49	117.6967773	-0.054388046	1813.763184	30.31748199
17:44:09	86.60986328	3	49	117.6924515	-0.050060272	1813.767456	30.31655312
17:45:49	88.27558136	3	49	117.6957245	-0.05333519	1813.764282	30.31655312
17:47:29	89.93834686	3	49	117.6881256	-0.045732498	1813.771851	30.31748199
17:49:09	91.6071701	3	49	117.6913986	-0.049007416	1813.768555	30.31655312

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW50D_DW	MW50D_WLD	MW50D_WLE	BarometricPress
17:50:48	93.26846313	3	49	117.6924515	-0.050060272	1813.767456	30.31748199
17:52:28	94.93457031	3	49	117.7011108	-0.05871582	1813.758789	30.31748199
17:54:08	96.59833527	3	49	117.6967773	-0.054388046	1813.763184	30.31748199
17:55:49	98.27719879	3	49	117.6988831	-0.056493759	1813.761108	30.31934357
17:57:29	99.94239807	3	49	117.6978302	-0.05544281	1813.762085	30.31841469
17:59:09	101.6056976	3	49	117.7021637	-0.059770584	1813.757813	30.31934357
18:00:48	103.2673798	3	49	117.6988831	-0.056493759	1813.761108	30.31934357
18:02:28	104.9324646	3	49	117.6978302	-0.05544281	1813.762085	30.31934357
18:04:08	106.5977173	3	49	117.6999359	-0.057548523	1813.76001	30.32027626
18:05:49	108.27668	3	49	117.6945572	-0.052165985	1813.765381	30.31934357
18:07:29	109.9355164	3	49	117.6935043	-0.051115036	1813.766479	30.31841469
18:09:10	111.6100464	3	49	117.6935043	-0.051115036	1813.766479	30.31841469
18:10:49	113.2667694	3	49	117.6935043	-0.051115036	1813.766479	30.31841469
18:12:30	114.9410324	3	49	117.6967773	-0.054388046	1813.763184	30.31748199
18:14:09	116.5973663	3	49	117.6935043	-0.051115036	1813.766479	30.31841469
18:15:49	118.2723312	3	49	117.6988831	-0.056493759	1813.761108	30.31934357
18:17:29	119.931282	3	49	117.6988831	-0.056493759	1813.761108	30.31934357
18:17:34	120.0152359	4	51	117.6988831	-0.056493759	1813.761108	30.31841469
18:17:39	120.0986328	4	51	117.6988831	-0.056493759	1813.761108	30.31934357
18:17:44	120.1823654	4	51	117.69561	-0.053220749	1813.764404	30.32027626
18:17:49	120.2655029	4	51	117.6999359	-0.057548523	1813.76001	30.32027626
18:17:54	120.3492355	4	51	117.6999359	-0.057548523	1813.76001	30.32027626
18:17:59	120.4327469	4	51	117.6988831	-0.056493759	1813.761108	30.31934357
18:18:04	120.5174637	4	51	117.6988831	-0.056493759	1813.761108	30.31934357
18:18:09	120.6013184	4	51	117.6988831	-0.056493759	1813.761108	30.32027626
18:18:14	120.6855469	4	51	117.6935043	-0.051115036	1813.766479	30.31934357
18:18:19	120.7699661	4	51	117.6978302	-0.05544281	1813.762085	30.31841469
18:18:24	120.8536987	4	51	117.6935043	-0.05544281	1813.766479	30.31841469
18:18:29	120.937767	4	51	117.69561	-0.053220749	1813.764404	30.31934357
18:18:34	121.0214996	4	51	117.6945572	-0.052165985	1813.765381	30.31934357
18:18:40	121.1061172	4	51	117.6988831	-0.056493759	1813.761108	30.31934357
18:18:45	121.1900024	4	51	117.6978302	-0.05544281	1813.762085	30.31841469
18:18:50	121.2743988	4	51	117.6988831	-0.056493759	1813.761108	30.31934357
18:18:55	121.3586502	4	51	117.6945572	-0.052165985	1813.765381	30.31934357
18:19:00	121.4434662	4	51	117.6999359	-0.057548523	1813.76001	30.31934357
18:19:05	121.5269165	4	51	117.6988831	-0.056493759	1813.761108	30.31934357
18:19:10	121.6110535	4	51	117.6988831	-0.056493759	1813.761108	30.31934357
18:19:15	121.6947174	4	51	117.6935043	-0.051115036	1813.766479	30.31841469
18:19:20	121.7788315	4	51	117.6978302	-0.05544281	1813.762085	30.31748199
18:19:25	121.8628845	4	51	117.6978302	-0.05544281	1813.762085	30.31841469
18:19:30	121.9468994	4	51	117.6988831	-0.056493759	1813.761108	30.31841469
18:19:35	122.0305023	4	51	117.7032166	-0.060821533	1813.756714	30.31934357
18:19:40	122.1148529	4	51	117.6988831	-0.056493759	1813.761108	30.31934357
18:19:45	122.1990356	4	51	117.6988831	-0.056493759	1813.761108	30.31934357
18:19:50	122.2835846	4	51	117.6988831	-0.056493759	1813.761108	30.31934357
18:19:55	122.36763	4	51	117.6988831	-0.056493759	1813.761108	30.31934357

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW50D_DW	MW50D_WLD	MW50D_WLE	BarometricPress
18:20:00	122.4518814	4	51	117.6988831	-0.056493759	1813.761108	30.31934357
18:20:05	122.5359192	4	51	117.6988831	-0.056493759	1813.761108	30.31934357
18:20:10	122.6199646	4	51	117.6988831	-0.056493759	1813.761108	30.31934357
18:20:14	122.6876678	4	51	117.6978302	-0.05544281	1813.762085	30.31934357
18:20:20	122.7737656	4	51	117.6988831	-0.056493759	1813.761108	30.31934357
18:20:25	122.8597641	4	51	117.6988831	-0.056493759	1813.761108	30.31934357
18:20:30	122.9445343	4	51	117.6988831	-0.056493759	1813.761108	30.31934357
18:20:35	123.0273819	4	51	117.6988831	-0.056493759	1813.761108	30.31934357
18:20:40	123.1112366	4	51	117.7042694	-0.061876297	1813.755737	30.32027626
18:20:45	123.1949844	4	51	117.6988831	-0.056493759	1813.761108	30.31934357
18:20:50	123.2790527	4	51	117.6988831	-0.056493759	1813.761108	30.32027626
18:20:55	123.3628845	4	51	117.7032166	-0.060821533	1813.756714	30.31934357
18:21:00	123.4469833	4	51	117.6988831	-0.056493759	1813.761108	30.31934357
18:21:05	123.5306473	4	51	117.6988831	-0.056493759	1813.761108	30.31934357
18:21:10	123.6144333	4	51	117.7032166	-0.060821533	1813.756714	30.31934357
18:21:15	123.6983643	4	51	117.7075424	-0.065149307	1813.752441	30.31934357
18:21:20	123.7825165	4	51	117.7032166	-0.060821533	1813.756714	30.31841469
18:21:25	123.8667679	4	51	117.7032166	-0.060821533	1813.756714	30.31934357
18:21:30	123.9506302	4	51	117.7032166	-0.060821533	1813.756714	30.31934357
18:21:35	124.0343018	4	51	117.7032166	-0.060821533	1813.756714	30.31934357
18:21:40	124.1182327	4	51	117.6988831	-0.056493759	1813.761108	30.31934357
18:21:45	124.2028656	4	51	117.7032166	-0.061876297	1813.756714	30.31934357
18:21:50	124.2866821	4	51	117.7042694	-0.061876297	1813.755737	30.32027626
18:21:55	124.370697	4	51	117.7042694	-0.061876297	1813.755737	30.31934357
18:22:00	124.4547348	4	51	117.7032166	-0.060821533	1813.756714	30.31934357
18:22:05	124.538353	4	51	117.7042694	-0.060821533	1813.755737	30.32027626
18:22:10	124.6229477	4	51	117.7032166	-0.060821533	1813.756714	30.32027626
18:22:16	124.7072525	4	51	117.7075424	-0.065149307	1813.752441	30.31934357
18:22:21	124.7913971	4	51	117.7075424	-0.065149307	1813.752441	30.31934357
18:22:26	124.8751984	4	51	117.7032166	-0.060821533	1813.756714	30.31841469
18:22:31	124.959198	4	51	117.7021637	-0.059770584	1813.757813	30.31841469
18:22:40	125.1111984	4	51	117.7032166	-0.060821533	1813.756714	30.31934357
18:22:50	125.2791977	4	51	117.7075424	-0.065149307	1813.752441	30.32027626
18:23:00	125.447464	4	51	117.7032166	-0.060821533	1813.756714	30.31934357
18:23:10	125.6155014	4	51	117.7032166	-0.060821533	1813.756714	30.31934357
18:23:20	125.7834473	4	51	117.7032166	-0.060821533	1813.756714	30.31934357
18:23:30	125.9517365	4	51	117.6999359	-0.057548523	1813.76001	30.31934357
18:23:40	126.1195679	4	51	117.7064896	-0.064096451	1813.753418	30.31841469
18:23:50	126.2877655	4	51	117.7021637	-0.059770584	1813.757813	30.31841469
18:24:00	126.4564667	4	51	117.7032166	-0.059770584	1813.756714	30.31934357
18:24:11	126.6251831	4	51	117.7085953	-0.066204071	1813.751343	30.31934357
18:24:21	126.7927704	4	51	117.7085953	-0.066204071	1813.751343	30.32027626
18:24:31	126.9610138	4	51	117.7129211	-0.070531845	1813.74707	30.32027626
18:24:41	127.1286163	4	51	117.7085953	-0.066204071	1813.751343	30.32027626
18:24:51	127.2965317	4	51	117.7075424	-0.065149307	1813.752441	30.31934357
18:25:00	127.4477005	4	51	117.7032166	-0.060821533	1813.756714	30.31934357

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW50D_DW	MW50D_WLD	MW50D_WLE	BarometricPress
18:25:10	127.6180344	4	51	117.7021637	-0.059770584	1813.757813	30.31934357
18:25:20	127.7852173	4	51	117.7118683	-0.069477081	1813.748047	30.31934357
18:25:30	127.9547806	4	51	117.7075424	-0.065149307	1813.752441	30.32027626
18:25:40	128.1213684	4	51	117.7075424	-0.065149307	1813.752441	30.31934357
18:25:50	128.2887115	4	51	117.7032166	-0.060821533	1813.756714	30.31934357
18:26:00	128.4557648	4	51	117.7032166	-0.060821533	1813.756714	30.32027626
18:26:10	128.6224823	4	51	117.7085953	-0.066204071	1813.751343	30.32027626
18:26:20	128.7894592	4	51	117.7108154	-0.068424225	1813.749146	30.31841469
18:26:31	128.9574127	4	51	117.7118683	-0.069477081	1813.748047	30.31934357
18:26:41	129.1246643	4	51	117.7118683	-0.069477081	1813.748047	30.31934357
18:26:51	129.292038	4	51	117.7021637	-0.059770584	1813.757813	30.31841469
18:27:01	129.459259	4	51	117.7118683	-0.069477081	1813.748047	30.31934357
18:27:11	129.6264648	4	51	117.7085953	-0.066204071	1813.751343	30.32027626
18:27:21	129.7939301	4	51	117.7075424	-0.065149307	1813.752441	30.31934357
18:27:31	129.9615173	4	51	117.7118683	-0.069477081	1813.748047	30.31934357
18:29:10	131.618927	4	51	117.7118683	-0.069477081	1813.748047	30.31934357
18:30:51	133.2940216	4	51	117.7161942	-0.073804855	1813.743774	30.31934357
18:32:30	134.9520874	4	51	117.7129211	-0.070531845	1813.74707	30.32027626
18:34:10	136.6250305	4	51	117.7182999	-0.075910568	1813.741699	30.32120514
18:35:50	138.283432	4	51	117.713974	-0.071582794	1813.745972	30.32027626
18:37:30	139.958786	4	51	117.7129211	-0.070531845	1813.74707	30.32120514
18:39:10	141.6175232	4	51	117.713974	-0.071582794	1813.745972	30.32120514
18:40:50	143.2836761	4	51	117.7172546	-0.074859619	1813.742676	30.32027626
18:42:31	144.9605865	4	51	117.7172546	-0.074859619	1813.742676	30.32027626
18:44:10	146.6212158	4	51	117.7161942	-0.073804855	1813.743774	30.31934357
18:45:50	148.2877502	4	51	117.7215805	-0.079187393	1813.738403	30.32027626
18:47:31	149.9533539	4	51	117.7161942	-0.073804855	1813.743774	30.31934357
18:49:12	151.6292114	4	51	117.7215805	-0.079187393	1813.738403	30.32027626
18:50:51	153.2930908	4	51	117.7172546	-0.074859619	1813.742676	30.32027626
18:52:31	154.9515839	4	51	117.7129211	-0.070531845	1813.74707	30.32027626
18:54:11	156.6260986	4	51	117.713974	-0.071582794	1813.745972	30.32120514
18:55:51	158.2852173	4	51	117.7182999	-0.075910568	1813.741699	30.32120514
18:57:32	159.9634399	4	51	117.7182999	-0.075910568	1813.741699	30.32120514
18:59:11	161.6284027	4	51	117.713974	-0.072635651	1813.745972	30.32120514
19:00:51	163.2899475	4	51	117.7182999	-0.075910568	1813.741699	30.32120514
19:02:31	164.9465485	4	51	117.7193527	-0.076963425	1813.740601	30.32213593
19:04:11	166.62854	5	53	117.7215805	-0.079187393	1813.738403	30.32027626
19:05:51	168.2834778	5	53	117.7215805	-0.079187393	1813.738403	30.31934357
19:07:31	169.9517517	5	53	117.7291794	-0.086788177	1813.730835	30.31934357
19:09:11	171.6251984	5	53	117.7281265	-0.085735321	1813.731812	30.31841469
19:10:51	173.2831116	5	53	117.73246	-0.09006691	1813.727539	30.31841469
19:12:31	174.957016	5	53	117.7313995	-0.089012146	1813.728516	30.31841469
19:14:10	176.6133728	5	53	117.7303543	-0.087961197	1813.729614	30.31655312
19:15:51	178.2930603	5	53	117.7303543	-0.087961197	1813.729614	30.31655312
19:17:31	179.95578	5	53	117.7293015	-0.08690834	1813.730713	30.31655312
19:17:36	180.0397491	6	55	117.724968	-0.082576752	1813.734985	30.31562233

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW50D_DW	MW50D_WLD	MW50D_WLE	BarometricPress
19:17:41	180.1238708	6	55	117.7293015	-0.08690834	1813.730713	30.31562233
19:17:46	180.208313	6	55	117.7336273	-0.0912323	1813.726318	30.31562233
19:17:51	180.2930603	6	55	117.7346725	-0.092283249	1813.725342	30.31655312
19:17:56	180.3783112	6	55	117.7346725	-0.092283249	1813.725342	30.31655312
19:18:01	180.4621124	6	55	117.7293015	-0.08690834	1813.730713	30.31655312
19:18:05	180.5301361	6	55	117.7336273	-0.0912323	1813.726318	30.31562233
19:18:10	180.6149597	6	55	117.7379532	-0.095563889	1813.722046	30.31562233
19:18:15	180.6992035	6	55	117.7379532	-0.095563889	1813.722046	30.31562233
19:18:21	180.7828674	6	55	117.7379532	-0.095563889	1813.722046	30.31562233
19:18:26	180.8668671	6	55	117.7379532	-0.095563889	1813.722046	30.31562233
19:18:31	180.9515686	6	55	117.7379532	-0.095563889	1813.722046	30.31562233
19:18:36	181.0351257	6	55	117.7336273	-0.0912323	1813.726318	30.31562233
19:18:41	181.1188354	6	55	117.7293015	-0.08690834	1813.730713	30.31562233
19:18:46	181.2032471	6	55	117.7293015	-0.08690834	1813.730713	30.31562233
19:18:51	181.288147	6	55	117.7379532	-0.095563889	1813.722046	30.31562233
19:18:56	181.3725891	6	55	117.7336273	-0.0912323	1813.726318	30.31562233
19:19:01	181.4561005	6	55	117.7336273	-0.0912323	1813.726318	30.31469345
19:19:06	181.539978	6	55	117.7369003	-0.094511032	1813.723022	30.31469345
19:19:11	181.6239624	6	55	117.7369003	-0.094511032	1813.723022	30.31562233
19:19:16	181.7085266	6	55	117.7293015	-0.08690834	1813.730713	30.31562233
19:19:21	181.7923126	6	55	117.7325745	-0.090179443	1813.727417	30.31469345
19:19:26	181.8762054	6	55	117.7412262	-0.098834991	1813.71875	30.31469345
19:19:31	181.9598694	6	55	117.7412262	-0.098834991	1813.71875	30.31562233
19:19:36	182.0436707	6	55	117.7336273	-0.0912323	1813.726318	30.31562233
19:19:41	182.1277008	6	55	117.7336273	-0.0912323	1813.726318	30.31562233
19:19:46	182.2115631	6	55	117.7325745	-0.090179443	1813.727417	30.31562233
19:19:51	182.2956848	6	55	117.7379532	-0.095563889	1813.722046	30.31562233
19:19:56	182.3798523	6	55	117.7336273	-0.0912323	1813.726318	30.31562233
19:20:01	182.464386	6	55	117.7379532	-0.095563889	1813.722046	30.31562233
19:20:06	182.5481873	6	55	117.7379532	-0.095563889	1813.722046	30.31469345
19:20:11	182.6318359	6	55	117.7379532	-0.095563889	1813.722046	30.31562233
19:20:16	182.7160187	6	55	117.7336273	-0.0912323	1813.726318	30.31562233
19:20:22	182.8003387	6	55	117.7379532	-0.095563889	1813.722046	30.31562233
19:20:27	182.8841705	6	55	117.7379532	-0.095563889	1813.722046	30.31562233
19:20:32	182.9681702	6	55	117.7422791	-0.099887848	1813.717651	30.31562233
19:20:37	183.0522614	6	55	117.7379532	-0.095563889	1813.722046	30.31655312
19:20:42	183.1356049	6	55	117.739006	-0.096616745	1813.720947	30.31562233
19:20:47	183.2190552	6	55	117.7379532	-0.095563889	1813.722046	30.31562233
19:20:52	183.3028717	6	55	117.7422791	-0.099887848	1813.717651	30.31562233
19:20:57	183.3867035	6	55	117.7422791	-0.099887848	1813.717651	30.31562233
19:21:02	183.4705048	6	55	117.7422791	-0.099887848	1813.717651	30.31562233
19:21:07	183.5546265	6	55	117.7369003	-0.094511032	1813.723022	30.31562233
19:21:11	183.6218719	6	55	117.7379532	-0.095563889	1813.722046	30.31562233
19:21:16	183.7057495	6	55	117.7379532	-0.095563889	1813.722046	30.31562233
19:21:21	183.7897797	6	55	117.7422791	-0.099887848	1813.717651	30.31562233
19:21:26	183.8739166	6	55	117.7422791	-0.099887848	1813.717651	30.31562233

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW50D_DW	MW50D_WLD	MW50D_WLE	BarometricPress
19:21:31	183.9580841	6	55	117.7379532	-0.095563889	1813.722046	30.31562233
19:21:36	184.0413208	6	55	117.7422791	-0.099887848	1813.717651	30.31562233
19:21:41	184.1250153	6	55	117.7422791	-0.099887848	1813.717651	30.31562233
19:21:46	184.2084503	6	55	117.7412262	-0.098834991	1813.71875	30.31562233
19:21:51	184.2920532	6	55	117.7422791	-0.099887848	1813.717651	30.31562233
19:21:56	184.3766174	6	55	117.7422791	-0.099887848	1813.717651	30.31562233
19:22:01	184.4599609	6	55	117.7369003	-0.094511032	1813.723022	30.31469345
19:22:06	184.5436859	6	55	117.7369003	-0.094511032	1813.723022	30.31469345
19:22:11	184.6282043	6	55	117.7379532	-0.094511032	1813.722046	30.31469345
19:22:16	184.7120819	6	55	117.7412262	-0.098834991	1813.71875	30.31469345
19:22:21	184.7958832	6	55	117.7422791	-0.099887848	1813.717651	30.31562233
19:22:26	184.8798065	6	55	117.7422791	-0.099887848	1813.717651	30.31562233
19:22:31	184.9634857	6	55	117.7422791	-0.098834991	1813.717651	30.31562233
19:22:41	185.1305389	6	55	117.7422791	-0.099887848	1813.717651	30.31562233
19:22:51	185.2984467	6	55	117.7369003	-0.094511032	1813.723022	30.31469345
19:23:01	185.465332	6	55	117.7369003	-0.095563889	1813.723022	30.31562233
19:23:11	185.6329041	6	55	117.7379532	-0.094511032	1813.722046	30.31469345
19:23:22	185.8009796	6	55	117.7379532	-0.095563889	1813.722046	30.31469345
19:23:32	185.9686279	6	55	117.7422791	-0.099887848	1813.717651	30.31562233
19:23:42	186.1354523	6	55	117.7379532	-0.095563889	1813.722046	30.31562233
19:23:52	186.3029938	6	55	117.7422791	-0.099887848	1813.717651	30.31562233
19:24:02	186.4704437	6	55	117.7466125	-0.104219437	1813.713379	30.31562233
19:24:12	186.6395874	6	55	117.7412262	-0.098834991	1813.71875	30.31562233
19:24:22	186.8075714	6	55	117.7422791	-0.099887848	1813.717651	30.31562233
19:24:32	186.9739532	6	55	117.7466125	-0.104219437	1813.713379	30.31562233
19:24:42	187.1414337	6	55	117.7422791	-0.100938797	1813.717651	30.31562233
19:24:52	187.3099213	6	55	117.7422791	-0.099887848	1813.717651	30.31562233
19:25:02	187.4779053	6	55	117.7476654	-0.104219437	1813.71228	30.31562233
19:25:11	187.6293945	6	55	117.7466125	-0.099887848	1813.713379	30.31562233
19:25:21	187.7970123	6	55	117.7466125	-0.104219437	1813.713379	30.31562233
19:25:31	187.9655304	6	55	117.7422791	-0.099887848	1813.717651	30.31562233
19:25:41	188.1332855	6	55	117.7455597	-0.10316658	1813.714355	30.31469345
19:25:52	188.3013458	6	55	117.7422791	-0.099887848	1813.717651	30.31562233
19:26:02	188.4694366	6	55	117.7466125	-0.104219437	1813.713379	30.31562233
19:26:12	188.6386108	6	55	117.7509384	-0.108547211	1813.708984	30.31562233
19:26:22	188.8073273	6	55	117.7466125	-0.104219437	1813.713379	30.31562233
19:26:32	188.9759827	6	55	117.7466125	-0.104219437	1813.713379	30.31562233
19:26:42	189.1441345	6	55	117.7466125	-0.104219437	1813.713379	30.31562233
19:26:52	189.3117828	6	55	117.7466125	-0.104219437	1813.713379	30.31562233
19:27:02	189.4703064	6	55	117.7422791	-0.099887848	1813.717651	30.31562233
19:27:12	189.6374969	6	55	117.7466125	-0.104219437	1813.713379	30.31562233
19:27:22	189.8043823	6	55	117.7466125	-0.104219437	1813.713379	30.31562233
19:27:32	189.9711609	6	55	117.7466125	-0.104219437	1813.713379	30.31562233
19:29:13	191.6450043	6	55	117.7422791	-0.10316658	1813.717651	30.31562233
19:30:53	193.30159	6	55	117.7466125	-0.104219437	1813.713379	30.31562233
19:32:32	194.9658661	6	55	117.7509384	-0.104219437	1813.708984	30.31562233

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW50D_DW	MW50D_WLD	MW50D_WLE	BarometricPress
19:34:13	196.6465759	6	55	117.7519913	-0.10959816	1813.708008	30.31655312
19:35:53	198.3092804	6	55	117.7552643	-0.112869263	1813.704712	30.31562233
19:37:32	199.9675903	6	55	117.7509384	-0.108547211	1813.708984	30.31562233
19:39:13	201.6410675	6	55	117.7509384	-0.108547211	1813.708984	30.31469345
19:40:52	203.2992859	6	55	117.7552643	-0.112869263	1813.704712	30.31562233
19:42:33	204.9732056	6	55	117.7542114	-0.111818314	1813.705811	30.31469345
19:44:12	206.6313782	6	55	117.7498856	-0.107494354	1813.710083	30.31469345
19:45:53	208.3048401	6	55	117.7542114	-0.111818314	1813.705811	30.31469345
19:47:33	209.9790802	6	55	117.7542114	-0.111818314	1813.705811	30.31469345
19:49:13	211.6402435	6	55	117.7585449	-0.116149902	1813.701416	30.31469345
19:50:53	213.3069611	6	55	117.7542114	-0.111818314	1813.705811	30.31469345
19:52:32	214.9647369	6	55	117.7531586	-0.110765457	1813.706787	30.31469345
19:54:13	216.6413727	6	55	117.7585449	-0.116149902	1813.701416	30.31469345
19:55:52	218.2993011	6	55	117.7585449	-0.116149902	1813.701416	30.31469345
19:57:33	219.9736633	6	55	117.7542114	-0.111818314	1813.705811	30.31469345
19:59:13	221.6434937	6	55	117.7531586	-0.110765457	1813.706787	30.31376266
20:00:52	223.3000336	6	55	117.7618103	-0.119421005	1813.69812	30.31376266
20:02:33	224.9755554	6	55	117.7564316	-0.114042282	1813.703491	30.31282997
20:04:12	226.6310425	6	55	117.7650909	-0.12269783	1813.694824	30.31282997
20:05:52	228.3052826	6	55	117.7607574	-0.118366241	1813.699219	30.31282997
20:07:33	229.9636383	6	55	117.7597046	-0.117313385	1813.700195	30.31190109
20:09:13	231.641098	6	55	117.7553864	-0.112991333	1813.70459	30.31190109
20:10:53	233.2996521	6	55	117.7629852	-0.120592117	1813.697021	30.3109684
20:12:33	234.9736786	6	55	117.7597046	-0.117313385	1813.700195	30.31190109
20:14:13	236.6298828	6	55	117.7597046	-0.117313385	1813.700195	30.31190109
20:15:53	238.3048401	6	55	117.7629852	-0.120592117	1813.697021	30.31190109
20:17:33	239.9627686	6	55	117.7597046	-0.117313385	1813.700195	30.31190109
20:17:38	240.045929	7	56	117.7597046	-0.117313385	1813.700195	30.31190109
20:17:43	240.1294556	7	56	117.7597046	-0.117313385	1813.700195	30.31190109
20:17:48	240.2133636	7	56	117.7586517	-0.116258621	1813.701294	30.31190109
20:17:53	240.2971191	7	56	117.7640381	-0.121644974	1813.695923	30.31190109
20:17:58	240.3810272	7	56	117.7640381	-0.121644974	1813.695923	30.3109684
20:18:03	240.4651794	7	56	117.7586517	-0.116258621	1813.701294	30.3109684
20:18:08	240.5486908	7	56	117.7586517	-0.116258621	1813.701294	30.3109684
20:18:13	240.6325073	7	56	117.7586517	-0.116258621	1813.701294	30.31190109
20:18:18	240.7158356	7	56	117.7586517	-0.116258621	1813.701294	30.31190109
20:18:23	240.7993927	7	56	117.7586517	-0.116258621	1813.701294	30.3109684
20:18:28	240.8829803	7	56	117.7629852	-0.116258621	1813.697021	30.3109684
20:18:33	240.9669342	7	56	117.7586517	-0.116258621	1813.701294	30.3109684
20:18:38	241.0507507	7	56	117.7629852	-0.120592117	1813.697021	30.3109684
20:18:43	241.1354065	7	56	117.7586517	-0.116258621	1813.701294	30.3109684
20:18:48	241.2190857	7	56	117.7586517	-0.120592117	1813.701294	30.3109684
20:18:53	241.3024445	7	56	117.7629852	-0.120592117	1813.697021	30.3109684
20:18:58	241.3860168	7	56	117.7586517	-0.116258621	1813.701294	30.3109684
20:19:03	241.4697113	7	56	117.7629852	-0.116258621	1813.697021	30.3109684
20:19:08	241.5536194	7	56	117.7629852	-0.120592117	1813.697021	30.3109684

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW50D_DW	MW50D_WLD	MW50D_WLE	BarometricPress
20:19:13	241.6373138	7	56	117.7586517	-0.116258621	1813.701294	30.3109684
20:19:18	241.721405	7	56	117.7586517	-0.116258621	1813.701294	30.3109684
20:19:23	241.8053436	7	56	117.7586517	-0.116258621	1813.701294	30.3109684
20:19:28	241.889679	7	56	117.7543259	-0.116258621	1813.705688	30.3109684
20:19:34	241.9812164	7	56	117.7543259	-0.111936569	1813.705688	30.3109684
20:19:39	242.0652618	7	56	117.7586517	-0.116258621	1813.701294	30.3109684
20:19:44	242.1487732	7	56	117.7586517	-0.116258621	1813.701294	30.3109684
20:19:49	242.2327271	7	56	117.7586517	-0.116258621	1813.701294	30.3109684
20:19:54	242.3166199	7	56	117.7586517	-0.116258621	1813.701294	30.3109684
20:19:58	242.3838654	7	56	117.7586517	-0.116258621	1813.701294	30.3109684
20:20:03	242.4676514	7	56	117.7586517	-0.116258621	1813.701294	30.3109684
20:20:08	242.5517883	7	56	117.7586517	-0.116258621	1813.701294	30.3109684
20:20:13	242.6362152	7	56	117.7629852	-0.120592117	1813.697021	30.3109684
20:20:18	242.7200623	7	56	117.7586517	-0.116258621	1813.701294	30.3109684
20:20:23	242.8040009	7	56	117.7575989	-0.115207672	1813.702393	30.31003952
20:20:28	242.8880615	7	56	117.7662506	-0.12386322	1813.693726	30.31003952
20:20:33	242.9717865	7	56	117.7629852	-0.120592117	1813.697021	30.3109684
20:20:38	243.0551147	7	56	117.7673035	-0.124914169	1813.692627	30.3109684
20:20:43	243.1393433	7	56	117.7629852	-0.120592117	1813.697021	30.31003952
20:20:48	243.2230072	7	56	117.7629852	-0.120592117	1813.697021	30.3109684
20:20:53	243.3062592	7	56	117.7662506	-0.12386322	1813.693726	30.3109684
20:20:58	243.3894653	7	56	117.7629852	-0.120592117	1813.697021	30.3109684
20:21:03	243.473587	7	56	117.7629852	-0.120592117	1813.697021	30.3109684
20:21:08	243.5568542	7	56	117.7629852	-0.120592117	1813.697021	30.3109684
20:21:13	243.6405182	7	56	117.7629852	-0.120592117	1813.697021	30.3109684
20:21:18	243.7244568	7	56	117.7673035	-0.124914169	1813.692627	30.3109684
20:21:23	243.8079987	7	56	117.7629852	-0.120592117	1813.697021	30.3109684
20:21:28	243.8912659	7	56	117.7673035	-0.124914169	1813.692627	30.3109684
20:21:33	243.9747314	7	56	117.7629852	-0.120592117	1813.697021	30.3109684
20:21:38	244.0583344	7	56	117.7629852	-0.120592117	1813.697021	30.3109684
20:21:44	244.1426544	7	56	117.7619324	-0.119539261	1813.697998	30.3109684
20:21:49	244.2268372	7	56	117.7619324	-0.119539261	1813.697998	30.3109684
20:21:54	244.311203	7	56	117.7619324	-0.119539261	1813.697998	30.31003952
20:21:59	244.3950653	7	56	117.7629852	-0.120592117	1813.697021	30.31003952
20:22:04	244.4788361	7	56	117.7629852	-0.120592117	1813.697021	30.31003952
20:22:09	244.5621338	7	56	117.7673035	-0.124914169	1813.692627	30.3109684
20:22:14	244.645401	7	56	117.7619324	-0.119539261	1813.697998	30.3109684
20:22:19	244.7288818	7	56	117.7673035	-0.124914169	1813.692627	30.3109684
20:22:24	244.8124542	7	56	117.7673035	-0.124914169	1813.692627	30.31003952
20:22:29	244.8969116	7	56	117.7619324	-0.119539261	1813.697998	30.31003952
20:22:34	244.9808044	7	56	117.7619324	-0.119539261	1813.697998	30.31003952
20:22:44	245.1484985	7	56	117.7662506	-0.12386322	1813.693726	30.31003952
20:22:54	245.3167572	7	56	117.7619324	-0.119539261	1813.697998	30.31003952
20:23:04	245.4849548	7	56	117.7619324	-0.119539261	1813.697998	30.31003952
20:23:14	245.6522064	7	56	117.7662506	-0.12386322	1813.693726	30.31003952
20:23:24	245.8191681	7	56	117.7619324	-0.119539261	1813.697998	30.31003952

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW50D_DW	MW50D_WLD	MW50D_WLE	BarometricPress
20:23:34	245.9866486	7	56	117.7619324	-0.119539261	1813.697998	30.31003952
20:23:44	246.1539764	7	56	117.7619324	-0.119539261	1813.697998	30.3109684
20:23:54	246.3222351	7	56	117.7629852	-0.120592117	1813.697021	30.3109684
20:24:04	246.4902802	7	56	117.7662506	-0.124914169	1813.693726	30.31003952
20:24:14	246.6590118	7	56	117.7619324	-0.119539261	1813.697998	30.31003952
20:24:24	246.8105011	7	56	117.7662506	-0.12386322	1813.693726	30.31003952
20:24:34	246.9804535	7	56	117.7662506	-0.12386322	1813.693726	30.31003952
20:24:44	247.1469116	7	56	117.7619324	-0.119539261	1813.697998	30.31003952
20:24:54	247.3144379	7	56	117.7662506	-0.12386322	1813.693726	30.31003952
20:25:04	247.4819794	7	56	117.7662506	-0.12386322	1813.693726	30.31003952
20:25:14	247.6499023	7	56	117.7705841	-0.128194809	1813.689331	30.31003952
20:25:24	247.8177643	7	56	117.7651978	-0.122810364	1813.694824	30.31003952
20:25:34	247.9854736	7	56	117.7662506	-0.12386322	1813.693726	30.31003952
20:25:44	248.1530762	7	56	117.7651978	-0.122810364	1813.694824	30.30910873
20:25:54	248.3218536	7	56	117.7651978	-0.122810364	1813.694824	30.31003952
20:26:04	248.4886017	7	56	117.7695313	-0.127141953	1813.69043	30.30910873
20:26:14	248.6555023	7	56	117.7651978	-0.122810364	1813.694824	30.30910873
20:26:24	248.8229675	7	56	117.7662506	-0.128194809	1813.693726	30.31003952
20:26:34	248.9906311	7	56	117.7705841	-0.127141953	1813.689331	30.31003952
20:26:45	249.1593933	7	56	117.7608795	-0.118486404	1813.699097	30.30910873
20:26:55	249.3273468	7	56	117.7695313	-0.127141953	1813.69043	30.30910873
20:27:05	249.4953766	7	56	117.7608795	-0.118486404	1813.699097	30.30910873
20:27:15	249.6623993	7	56	117.7695313	-0.127141953	1813.69043	30.30910873
20:27:24	249.8142548	7	56	117.7651978	-0.122810364	1813.694824	30.30910873
20:27:34	249.9832001	7	56	117.7651978	-0.122810364	1813.694824	30.30910873
20:29:15	251.661377	7	56	117.7608795	-0.118486404	1813.699097	30.30910873
20:30:54	253.3232574	7	56	117.7695313	-0.127141953	1813.69043	30.30910873
20:32:34	254.9866028	7	56	117.7651978	-0.122810364	1813.694824	30.30910873
20:34:15	256.6622925	7	56	117.7695313	-0.127141953	1813.69043	30.30817986
20:35:54	258.3259277	7	56	117.771759	-0.129365921	1813.688232	30.30817986
20:37:34	259.9938354	7	56	117.771759	-0.129365921	1813.688232	30.30724907
20:39:14	261.657135	7	56	117.7707062	-0.128311157	1813.689209	30.30724907
20:40:54	263.3200378	7	56	117.7696533	-0.127258301	1813.690308	30.3053875
20:42:34	264.9828796	7	56	117.7696533	-0.127258301	1813.690308	30.3053875
20:44:13	266.6449585	7	56	117.7739792	-0.131586075	1813.686035	30.3053875
20:45:54	268.3265381	7	56	117.7686005	-0.126205444	1813.691406	30.3044548
20:47:34	269.9867859	7	56	117.7696533	-0.127258301	1813.690308	30.3053875
20:49:15	271.6485901	7	56	117.7653198	-0.122930527	1813.69458	30.3053875
20:50:55	273.3131104	7	56	117.7696533	-0.127258301	1813.690308	30.3053875
20:52:35	274.9931641	7	56	117.7696533	-0.127258301	1813.690308	30.3053875
20:54:15	276.6567078	7	56	117.7707062	-0.128311157	1813.689209	30.30631638
20:55:55	278.3217468	7	56	117.7707062	-0.128311157	1813.689209	30.30631638
20:57:35	279.9866638	7	56	117.7707062	-0.128311157	1813.689209	30.30631638
20:59:14	281.6456909	7	56	117.7707062	-0.128311157	1813.689209	30.30631638
21:00:55	283.3230591	7	56	117.775032	-0.132638931	1813.684937	30.3053875
21:02:34	284.9812012	7	56	117.7783051	-0.135913849	1813.681641	30.3053875

RW-7 Step Drawdown Test Data File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW50D_DW	MW50D_WLD	MW50D_WLE	BarometricPress
21:04:15	286.6574707	7	56	117.7783051	-0.135913849	1813.681641	30.3053875
21:05:55	288.3161011	7	56	117.7783051	-0.135913849	1813.681641	30.3053875
21:07:34	289.980011	7	56	117.7739792	-0.131586075	1813.686035	30.3053875
21:09:15	291.6582947	7	56	117.7793579	-0.136966705	1813.680664	30.30631638
21:10:55	293.3252258	7	56	117.7793579	-0.136966705	1813.680664	30.30631638
21:12:35	294.9888916	7	56	117.7793579	-0.136966705	1813.680664	30.30631638
21:14:14	296.6491699	7	56	117.7793579	-0.136966705	1813.680664	30.30724907
21:15:55	298.3228149	7	56	117.7793579	-0.136966705	1813.680664	30.30724907
21:17:34	299.9821167	7	56	117.7836838	-0.141294479	1813.67627	30.30631638

US EPA ARCHIVE DOCUMENT

RW-2 CONSTANT RATE TEST

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	RW2_Flow	RW2_DW	RW2_WLD	RW2_WLE	MW20A_DW	MW20A_WLD	MW20A_WLE	MW20C_DW	MW20C_WLD	MW20C_WLE
3:59:26 PM	8.425316811	0	43	0.021875001	115.0028	0	1811.417236	116.8129807	0.011872292	1812.396973	121.2239685	0.03370285	1807.985962
3:59:31 PM	0.082149997	1	43	13.91562557	114.9974213	0.282358646	1811.422607	116.8108673	-0.006287575	1812.399048	121.2218628	0.001056671	1807.988037
3:59:36 PM	0.165999994	1	43	21.80312538	115.9592361	-0.670802355	1810.460815	116.8119278	0	1812.398071	121.2154694	0	1807.994507
3:59:41 PM	0.250099987	1	43	20.45000076	116.6051254	-1.308036089	1809.814941	116.8129807	-0.001052856	1812.396973	121.2165222	0.006393433	1807.993408
3:59:46 PM	0.333600014	1	43	20.11562347	117.0108871	-1.75274086	1809.40918	116.8119278	0	1812.398071	121.2081451	0.014770508	1808.001831
3:59:50 PM	0.401016653	1	43	19.45937538	117.2229462	-1.981061697	1809.197144	116.8118591	0.001121521	1812.398071	121.2155914	0.008384705	1807.994385
3:59:55 PM	0.485016674	1	43	17.82500076	117.4100952	-2.189849019	1809.01001	116.8119278	0.001055717	1812.398071	121.2303619	0.000938416	1807.979614
4:00:01 PM	0.569716692	1	43	18.484375	117.5388718	-2.336989164	1808.881226	116.8119278	0	1812.398071	121.2229156	0	1807.987061
4:00:06 PM	0.654016674	1	43	18.546875	117.6340866	-2.441910028	1808.786011	116.8056564	0.006272316	1812.404297	121.2239685	-0.001049042	1807.985962
4:00:11 PM	0.738250017	1	43	17.91562462	117.7043762	-2.492791057	1808.715698	116.8046722	0.007258415	1812.405273	121.2229156	0	1807.987061
4:00:16 PM	0.822149992	1	43	17.859375	117.724968	-2.523084164	1808.695068	116.8046722	0.007258415	1812.405273	121.2229156	0	1807.987061
4:00:21 PM	0.906766653	1	43	17.52499962	117.7466049	-2.557709336	1808.673462	116.8119965	-6.68E-05	1812.397949	121.2155914	0.007328033	1807.994385
4:00:26 PM	0.990916669	1	43	17.39687538	117.7519836	-2.555483818	1808.668091	116.8141022	-0.002175331	1812.395874	121.2175827	0.005336761	1807.992432
4:00:31 PM	1.074733377	1	43	16.94375038	117.7595825	-2.593379974	1808.6604	116.8203201	-0.008396149	1812.389648	121.2165222	0.006393433	1807.993408
4:00:36 PM	1.159033298	1	43	16.68124962	117.7498779	-2.565312266	1808.670166	116.810936	0.00098896	1812.399048	121.2145386	0.008384705	1807.995361
4:00:41 PM	1.242583275	1	43	16.28437424	117.7574768	-2.573965311	1808.662598	116.810936	0.00098896	1812.399048	121.2217407	0.001178741	1807.988281
4:00:46 PM	1.327300072	1	43	16.17500114	117.770462	-2.56425786	1808.649536	116.810936	0.00098896	1812.399048	121.2218628	0.001056671	1807.988037
4:00:51 PM	1.412150025	1	43	15.37812519	117.7758484	-2.594550967	1808.644165	116.8098831	0.002043724	1812.400024	121.2133636	0.009559631	1807.996582
4:00:56 PM	1.496216655	1	43	16.24374962	117.7834473	-2.594550967	1808.636597	116.8024902	0.009436607	1812.407471	121.2206879	0.002235413	1807.989258
4:01:01 PM	1.580383301	1	43	15.66874981	117.788826	-2.590221167	1808.631226	116.8098145	0.002111435	1812.400146	121.2134781	0.009441376	1807.99646
4:01:06 PM	1.664333344	1	43	15.54374981	117.7801743	-2.582620382	1808.639893	116.8108673	0.001055717	1812.399048	121.229187	-0.006267548	1807.980713
4:01:11 PM	1.74816668	1	43	15.39375019	117.767189	-2.570687652	1808.652832	116.8119278	0	1812.398071	121.2155914	0.007328033	1807.994385
4:01:16 PM	1.832266688	1	43	15.14375019	117.7542114	-2.570687652	1808.665771	116.8119278	0	1812.398071	121.2155914	0.007328033	1807.994385
4:01:21 PM	1.916100025	1	43	15.09375	117.728241	-2.556657076	1808.691772	116.8108673	0.001055717	1812.399048	121.2145386	0.008384705	1807.995361
4:01:26 PM	1.999899983	1	43	14.55000019	117.7055435	-2.50799489	1808.714478	116.8098145	0.002111435	1812.400146	121.2133636	0.009559631	1807.996582
4:01:31 PM	2.083899975	1	43	14.67187595	117.6763077	-2.487409115	1808.743774	116.8182144	-0.006287575	1812.391724	121.2218628	0.001056671	1807.988037
4:01:36 PM	2.168016672	1	43	14.64687443	117.6536102	-2.464714646	1808.766479	116.8098831	0.002043724	1812.400024	121.2208099	0.002113342	1807.989136
4:01:41 PM	2.252033234	1	43	14.39375019	117.6492844	-2.456059456	1808.770752	116.8025589	0.00936985	1812.407349	121.2208099	0.002113342	1807.989136
4:01:47 PM	2.335900068	1	43	14.29687405	117.6243744	-2.435475826	1808.795654	116.8036118	0.008314133	1812.406372	121.2145386	0.008384705	1807.995361
4:01:52 PM	2.420533419	1	43	14.24687481	117.5876465	-2.398746371	1808.832397	116.8088226	0.003100395	1812.401123	121.2270737	-0.004154205	1807.98291
4:01:57 PM	2.504616737	1	43	13.73749924	117.5994568	-2.410562515	1808.820557	116.8108673	0.001055717	1812.399048	121.2218628	0.001056671	1807.988037
4:02:02 PM	2.588799953	1	43	13.69375038	117.6070633	-2.410562515	1808.812988	116.8203201	-0.008396149	1812.389648	121.2166443	0.006275177	1807.993286
4:02:07 PM	2.67264986	1	43	13.47499943	117.6027374	-2.401907325	1808.817261	116.8192673	-0.007343292	1812.390747	121.2155914	0.007328033	1807.994385
4:02:12 PM	2.756516695	1	43	13.20937538	117.5821457	-2.400855184	1808.837891	116.8098145	0.002111435	1812.400146	121.2208099	0.002113342	1807.989136
4:02:17 PM	2.840916634	1	43	13.265625	117.5605087	-2.379217267	1808.859497	116.8108673	0.001055717	1812.399048	121.2218628	0.001056671	1807.988037
4:02:22 PM	2.924649954	1	43	12.86250019	117.5431976	-2.354299545	1808.876831	116.8046722	0.007258415	1812.405273	121.2155914	0.007328033	1807.994385
4:02:26 PM	2.992150068	1	43	13.00312424	117.5085754	-2.349974155	1808.911499	116.8119278	0	1812.398071	121.2229156	0	1807.987061
4:02:31 PM	3.075750113	1	43	12.61249924	117.4902191	-2.302370667	1808.92981	116.8046036	0.007326126	1812.405396	121.2155914	0.007328033	1807.994385
4:02:36 PM	3.159433365	1	43	12.78437519	117.4469376	-2.279678345	1808.973145	116.8192673	-0.007343292	1812.390747	121.2154694	0.007446289	1807.994507
4:02:41 PM	3.243716717	1	43	12.72187519	117.4296265	-2.241782308	1808.990479	116.8192673	-0.007343292	1812.390747	121.2155914	0.007328033	1807.994385
4:02:46 PM	3.327533245	1	43	12.375	117.3863525	-2.220142126	1809.033691	116.8046036	0.007326126	1812.405396	121.2155914	0.007328033	1807.994385
4:02:51 PM	3.411616564	1	43	12.34999943	117.3647079	-2.175811887	1809.055298	116.8182144	-0.006287575	1812.391724	121.2144165	0.00850296	1807.995605
4:02:57 PM	3.506383419	1	43	12.05312538	117.3549957	-2.16610229	1809.065063	116.8024902	0.009436607	1812.407471	121.2208099	0.002113342	1807.989136
4:03:01 PM	3.58188343	1	43	12.11874962	117.3376846	-2.14551878	1809.082397	116.8171616	-0.006287575	1812.392822	121.2208099	0.001056671	1807.989136
4:03:06 PM	3.66566658	1	43	11.625	117.3257599	-2.146570921	1809.094238	116.8108673	0	1812.399048	121.2217407	0.00012207	1807.988281
4:03:11 PM	3.749583244	1	43	11.734375	117.3300858	-2.157447219	1809.089966	116.8035431	0.002111435	1812.406372	121.2142944	0.009677887	1807.995605

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	RW2_Flow	RW2_DW	RW2_WLD	RW2_WLE	MW20A_DW	MW20A_WLD	MW20A_WLE	MW20C_DW	MW20C_WLD	MW20C_WLE
4:03:16 PM	3.83373332	1	43	11.40312481	117.3300858	-2.141188979	1809.089966	116.7962723	0.014669418	1812.413696	121.2144165	0.007446289	1807.995605
4:03:21 PM	3.917449951	1	43	11.49062538	117.3290329	-2.128208399	1809.091064	116.8025589	0.008314133	1812.407349	121.2280121	-0.006149292	1807.981934
4:03:26 PM	4.000850201	1	43	11.46875	117.3117218	-2.115223527	1809.108276	116.8036118	0.008314133	1812.406372	121.2144165	0.00850296	1807.995605
4:03:31 PM	4.084983349	1	43	11.09062481	117.2781525	-2.088201284	1809.141846	116.810936	0.002043724	1812.399048	121.2145386	0.009441376	1807.995361
4:03:36 PM	4.168616772	1	43	10.87812519	117.2565155	-2.07627511	1809.163574	116.810936	0.001055717	1812.399048	121.2218628	0.001056671	1807.988037
4:03:42 PM	4.252699852	1	43	10.78437519	117.2359314	-2.047032118	1809.184082	116.8119965	-6.68E-05	1812.397949	121.2229156	0	1807.987061
4:03:47 PM	4.336733341	1	43	10.82187557	117.2110138	-2.022116423	1809.208984	116.8203888	-0.00846386	1812.389526	121.2239685	-0.001049042	1807.985962
4:03:52 PM	4.420499802	1	43	10.77812481	117.1786118	-1.989716768	1809.241455	116.810936	0.00098896	1812.399048	121.2217407	0.001178741	1807.988281
4:03:57 PM	4.504499912	1	43	10.44687462	117.1320648	-1.943165541	1809.287964	116.8119965	-6.68E-05	1812.397949	121.2081451	0.014770508	1808.001831
4:04:02 PM	4.589149952	1	43	10.21249962	117.0996628	-1.910763741	1809.320435	116.8098831	0.002043724	1812.400024	121.2208099	0.002113342	1807.989136
4:04:07 PM	4.67266655	1	43	10.08125019	117.0704193	-1.903165102	1809.349609	116.810936	0.00098896	1812.399048	121.2145386	0.008384705	1807.995361
4:04:12 PM	4.756283283	1	43	9.928125381	117.0790787	-1.864210367	1809.340942	116.8182831	-0.006354332	1812.391724	121.2217407	0.001178741	1807.988281
4:04:17 PM	4.840650082	1	43	9.678124428	117.0520554	-1.851229668	1809.368042	116.810936	0.00098896	1812.399048	121.2145386	0.008384705	1807.995361
4:04:22 PM	4.924766541	1	43	9.537500381	117.0141602	-1.832862854	1809.405884	116.8098831	0.002043724	1812.400024	121.2206879	0.002235413	1807.989258
4:05:21 PM	5.916283131	1	43	9.28125	116.8886566	-1.691100121	1809.531372	116.8182144	-0.006287575	1812.391724	121.2145386	0.008384705	1807.995361
4:06:22 PM	6.920016766	1	43	9.331250191	116.8973083	-1.708415031	1809.522705	116.810936	0.00098896	1812.399048	121.2144165	0.00850296	1807.995605
4:07:22 PM	7.925983429	1	43	9.568750381	116.9081802	-1.71928668	1809.511841	116.8014984	0.010426521	1812.408447	121.2197495	0.003170013	1807.990234
4:08:21 PM	8.917833328	1	43	9.478124619	116.907135	-1.705254078	1809.512939	116.8151169	-0.003189087	1812.394897	121.2186966	0.00422287	1807.991211
4:09:22 PM	9.926549911	1	43	9.559374809	116.8735657	-1.676010847	1809.546509	116.8088226	0.003100395	1812.401123	121.2192688	0.003646851	1807.990723
4:10:21 PM	10.91880035	1	43	9.465624809	116.8378906	-1.657646179	1809.582153	116.8151169	-0.003189087	1812.394897	121.2114868	0.011428833	1807.998535
4:11:22 PM	11.92695045	1	43	9.518750191	116.8908768	-1.707360506	1809.529175	116.8098831	0.002043724	1812.400024	121.2134781	0.009441376	1807.99646
4:12:21 PM	12.91763306	1	43	9.587500572	116.9178925	-1.733323812	1809.502197	116.8025589	0.00936985	1812.407349	121.2135925	0.00932312	1807.996338
4:13:22 PM	13.92504978	1	43	9.425000191	116.9233932	-1.722564459	1809.496704	116.8077698	0.004154205	1812.402222	121.2118454	0.011074066	1807.998169
4:14:21 PM	14.91636658	1	43	9.550000191	116.9005814	-1.69543004	1809.519409	116.810936	0.00098896	1812.399048	121.2151337	0.007789612	1807.994873
4:19:21 PM	19.91898346	1	43	9.324999809	116.925499	-1.7236166	1809.494507	116.8014984	0.010426521	1812.408447	121.2205811	0.002338409	1807.98938
4:24:21 PM	24.91220093	1	43	9.378125191	116.9471359	-1.762564898	1809.4729	116.8087616	0.003168106	1812.401245	121.2132568	0.009666443	1807.996704
4:29:22 PM	29.92465019	1	43	9.303125381	116.9698257	-1.780929565	1809.450195	116.8098145	0.002111435	1812.400146	121.2145538	0.008369446	1807.995361
4:34:22 PM	34.91614914	1	43	9.256249428	116.9429245	-1.746423244	1809.477173	116.8055954	0.006332397	1812.404419	121.2104492	0.01247406	1807.999512
4:39:22 PM	39.91798401	1	43	9.578125	116.9202347	-1.744318962	1809.499756	116.8108292	0.001097679	1812.39917	121.2080994	0.014816284	1808.001831
4:44:22 PM	44.92073441	1	43	9.484375	116.9385986	-1.754030704	1809.481445	116.811882	4.20E-05	1812.398071	121.2090378	0.013881683	1808.000977
4:49:21 PM	49.9080658	1	43	9.521874428	116.9461975	-1.751924038	1809.473877	116.8097763	0.002153397	1812.400146	121.2070465	0.015872955	1808.00293
4:54:21 PM	54.90641785	1	43	9.606249809	116.9808273	-1.791926861	1809.439209	116.803421	0.008506775	1812.406494	121.2153091	0.007610321	1807.994629
4:59:21 PM	59.90963364	1	43	9.378125191	116.978714	-1.794143438	1809.441284	116.8013763	0.010552406	1812.408569	121.2056351	0.017284393	1808.004272
5:29:22 PM	89.90814972	1	43	9.328125	117.0167313	-1.827835083	1809.40332	116.7962341	0.015691757	1812.413696	121.1923218	0.030597687	1808.017578
5:59:22 PM	119.9041672	1	43	9.534375191	116.9983673	-1.804088593	1809.421631	116.8023911	0.009536743	1812.407593	121.1913834	0.031536102	1808.018555
6:29:22 PM	149.8851166	1	43	9.431249619	117.0146255	-1.830054045	1809.405396	116.8012695	0.010661125	1812.408691	121.1972961	0.025623322	1808.012695
6:59:21 PM	179.8807526	1	43	9.528124809	117.0254974	-1.845257759	1809.394531	116.8212204	-0.009292603	1812.388794	121.2171631	0.005756378	1807.992798
7:29:21 PM	209.871048	1	43	9.453125	117.0860901	-1.897191048	1809.333984	116.8283463	-0.016418457	1812.381592	121.2171631	0.005756378	1807.992798
7:59:22 PM	239.8676453	1	43	9.403124809	117.0969696	-1.908071756	1809.32312	116.8261032	-0.01417923	1812.383911	121.2148132	0.008102417	1807.995117
8:29:22 PM	269.8642273	1	43	9.453125	117.0720596	-1.887483597	1809.348022	116.8344193	-0.022489548	1812.375488	121.237854	-0.014930725	1807.972168
8:59:22 PM	299.8516541	1	43	9.378125191	117.1293716	-1.940471411	1809.290649	116.8503418	-0.038413048	1812.359619	121.246109	-0.023189545	1807.963867
9:59:21 PM	359.834259	1	43	9.318750381	117.1402435	-1.960004807	1809.279785	116.8626404	-0.050710678	1812.34729	121.2513275	-0.028289795	1807.958618
10:59:22 PM	419.8253174	1	43	9.181249619	117.1100693	-1.917895555	1809.309937	116.8740692	-0.062143326	1812.335938	121.2698975	-0.046981812	1807.940063
11:59:22 PM	479.8086243	1	43	9.365625381	117.1437531	-1.94187355	1809.276245	116.8529434	-0.041014671	1812.357056	121.2781067	-0.055187225	1807.931885
12:59:22 AM	539.7944336	1	43	9.40625	117.144104	-1.955206156	1809.275879	116.8686142	-0.056685448	1812.341309	121.2715988	-0.048679352	1807.938354
1:59:22 AM	599.7810669	1	43	9.334375381	117.1705322	-1.972983122	1809.249512	116.8526535	-0.040729523	1812.3573	121.2776337	-0.054714203	1807.932373

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	RW2_Flow	RW2_DW	RW2_WLD	RW2_WLE	MW20A_DW	MW20A_WLD	MW20A_WLE	MW20C_DW	MW20C_WLD	MW20C_WLE
2:59:21 AM	659.7606812	1	43	9.321875572	117.2055054	-2.011231422	1809.2146	116.8472748	-0.034295082	1812.362671	121.2724152	-0.048446655	1807.9375
3:59:22 AM	719.7507935	1	43	9.362500191	117.2457428	-2.065504551	1809.174316	116.8399582	-0.028029442	1812.369995	121.2429352	-0.020019531	1807.967041
4:59:23 AM	779.7385864	1	43	9.484375	117.2375565	-2.044331074	1809.182495	116.8304749	-0.018544197	1812.379517	121.2188568	0.004066467	1807.991089
5:59:22 AM	839.7148438	1	43	9.418749809	117.2683105	-2.079416275	1809.151733	116.8501205	-0.038192749	1812.359863	121.2017365	0.021186829	1808.008179
6:59:23 AM	899.7128296	1	43	9.393750191	117.2589569	-2.074386597	1809.161133	116.8658752	-0.053951263	1812.344116	121.1879044	0.035015106	1808.022095
7:59:22 AM	959.6920776	1	43	9.362500191	117.2917099	-2.11146605	1809.128296	116.8699799	-0.05805397	1812.339966	121.1647186	0.058200836	1808.045288
8:59:22 AM	1019.672424	1	43	9.284375191	117.2759171	-2.099999905	1809.144165	116.8829727	-0.071043968	1812.327026	121.1260986	0.096820831	1808.083862
9:59:22 AM	1079.663452	1	43	9.340624809	117.3037491	-2.114851475	1809.116333	116.8855286	-0.073598862	1812.324463	121.0856781	0.137241364	1808.124268
10:59:22 AM	1139.64563	1	43	9.350000381	117.3734589	-2.195323467	1809.046631	116.8844376	-0.07251358	1812.325562	121.0536652	0.169258118	1808.15625
11:59:23 AM	1199.629761	1	43	9.375	117.372406	-2.183511734	1809.047607	116.8883972	-0.07647419	1812.321533	121.0352554	0.187664032	1808.174683
12:59:22 PM	1259.614258	1	43	9.431249619	117.4056244	-2.225262165	1809.014404	116.9040985	-0.092173576	1812.305908	121.008255	0.214668274	1808.20166
1:59:23 PM	1319.606079	1	43	9.399999619	117.444809	-2.259182811	1808.97522	116.9266586	-0.114731789	1812.283325	120.9996185	0.223297119	1808.210327
2:59:22 PM	1379.590454	1	43	9.331250191	117.4540405	-2.265145898	1808.966064	116.9200287	-0.107048035	1812.289917	120.9644623	0.259624481	1808.245483
3:59:23 PM	1439.581055	1	43	9.425000191	117.4848022	-2.292634726	1808.935303	116.904068	-0.093190193	1812.305908	120.9349213	0.286937714	1808.275024
3:59:47 PM	1439.983521	1	43	9.284375191	117.4394226	-2.25052774	1808.980591	116.908226	-0.096298218	1812.301758	120.939209	0.28371048	1808.270752
3:59:52 PM	1440.067017	2	0	2.306249857	117.3582535	-2.260235071	1809.061768	116.9019547	-0.090028763	1812.307983	120.9402618	0.282653809	1808.269653
3:59:57 PM	1440.151123	2	0	0.75	117.0811539	-1.924774408	1809.338867	116.9124451	-0.097353935	1812.297485	120.9359818	0.290100098	1808.273926
4:00:02 PM	1440.234497	2	0	0.224999994	116.8862915	-1.734237432	1809.533691	116.908287	-0.103683472	1812.301636	120.9318237	0.276447296	1808.278076
4:00:08 PM	1440.318359	2	0	0.021875001	116.7510757	-1.562179565	1809.668945	116.9240723	-0.112149239	1812.285889	120.9403229	0.282596588	1808.269653
4:00:13 PM	1440.401855	2	0	0.021875001	116.6558609	-1.466965914	1809.76416	116.9167328	-0.104805946	1812.293213	120.947525	0.275390625	1808.262451
4:00:18 PM	1440.485352	2	0	0.021875001	116.5812378	-1.392342567	1809.838867	116.9156113	-0.103683472	1812.294312	120.9464722	0.276447296	1808.263428
4:00:23 PM	1440.568726	2	0	0.021875001	116.5249786	-1.336084127	1809.89502	116.9187775	-0.106847763	1812.291138	120.9423065	0.280609131	1808.2677
4:00:28 PM	1440.6521	2	0	0.021875001	116.4806442	-1.291749477	1809.939453	116.9072952	-0.095367432	1812.302612	120.9307632	0.292156219	1808.279175
4:00:33 PM	1440.736084	2	0	0.021875001	116.4309387	-1.242039442	1809.989136	116.9124451	-0.100516319	1812.297485	120.9506302	0.272289276	1808.259277
4:00:38 PM	1440.819458	2	0	0.021875001	116.3866043	-1.197706938	1810.033447	116.9124451	-0.100516319	1812.297485	120.943306	0.279613495	1808.266602
4:00:43 PM	1440.90332	2	0	0.021875001	116.3540878	-1.165192842	1810.065918	116.9134979	-0.10157299	1812.296509	120.9370422	0.285881042	1808.272949
4:00:48 PM	1440.987061	2	0	0.021875001	116.3239136	-1.135016441	1810.096191	116.9103317	-0.098407745	1812.299683	120.9338684	0.289047241	1808.276123
4:00:53 PM	1441.070435	2	0	0.021875001	116.3000488	-1.111150742	1810.119995	116.9187317	-0.106805801	1812.29126	120.9349213	0.287994385	1808.275024
4:00:58 PM	1441.154297	2	0	0.021875001	116.2772446	-1.088344097	1810.142822	116.920845	-0.108916283	1812.289063	120.9371567	0.285762787	1808.272827
4:01:03 PM	1441.238037	2	0	0.021875001	116.2533798	-1.064485073	1810.166626	116.9166641	-0.104739189	1812.293335	120.947525	0.275390625	1808.262451
4:01:08 PM	1441.321533	2	0	0.021875001	116.2327957	-1.043899298	1810.187256	116.9249954	-0.113069534	1812.284912	120.9485779	0.274337769	1808.261353
4:01:13 PM	1441.405151	2	0	0.021875001	116.2187653	-1.029864311	1810.201294	116.9166641	-0.104739189	1812.293335	120.947525	0.275390625	1808.262451
4:01:18 PM	1441.488525	2	0	0.021875001	116.1981735	-1.009274244	1810.221924	116.9103928	-0.098466873	1812.299561	120.9485779	0.274337769	1808.261353
4:01:23 PM	1441.57251	2	0	0.021875001	116.1798096	-0.989863873	1810.240234	116.9156113	-0.103683472	1812.294312	120.9465942	0.276329041	1808.263428
4:01:28 PM	1441.656006	2	0	0.021875001	116.1539612	-0.973715782	1810.266113	116.9197845	-0.107859612	1812.290161	120.943306	0.279613495	1808.266602
4:01:33 PM	1441.73938	2	0	0.021875001	116.1388702	-0.947869062	1810.281128	116.9082947	-0.096365929	1812.301636	120.9317627	0.291156769	1808.278198
4:01:38 PM	1441.822876	2	0	0.021875001	116.1323166	-0.943422794	1810.28772	116.9051819	-0.093257904	1812.30481	120.9434204	0.279495239	1808.266602
4:01:43 PM	1441.906738	2	0	0.021875001	116.122612	-0.933715343	1810.297485	116.9113922	-0.099462509	1812.298584	120.942131	0.280788422	1808.267822
4:01:48 PM	1441.990234	2	0	0.021875001	116.1074066	-0.91956377	1810.312622	116.9145508	-0.102625847	1812.29541	120.9380875	0.284832001	1808.271851
4:01:53 PM	1442.07373	2	0	0.021875001	116.0922012	-0.911958456	1810.327881	116.9229507	-0.111026764	1812.286987	120.9391479	0.28377533	1808.270752
4:01:58 PM	1442.157349	2	0	0.021875001	116.082489	-0.897925854	1810.337524	116.9145508	-0.102625847	1812.29541	120.9454193	0.277503967	1808.264526
4:02:03 PM	1442.240967	2	0	0.021875001	116.0792236	-0.890325069	1810.34082	116.9229507	-0.111026764	1812.286987	120.9391479	0.28377533	1808.270752
4:02:08 PM	1442.324951	2	0	0.021875001	116.0716171	-0.882717609	1810.348389	116.9240112	-0.112082481	1812.285889	120.947525	0.275390625	1808.262451
4:02:13 PM	1442.408691	2	0	0.021875001	116.0716171	-0.882717609	1810.348389	116.9167328	-0.104805946	1812.293213	120.9402008	0.282718658	1808.269775
4:02:18 PM	1442.49231	2	0	0.021875001	116.0596924	-0.870791435	1810.360352	116.9251328	-0.113203049	1812.28479	120.9559021	0.26701355	1808.254028
4:02:23 PM	1442.575928	2	0	0.021875001	116.0499802	-0.862131834	1810.370117	116.9167328	-0.104805946	1812.293213	120.9402008	0.282718658	1808.269775

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	RW2_Flow	RW2_DW	RW2_WLD	RW2_WLE	MW20A_DW	MW20A_WLD	MW20A_WLE	MW20C_DW	MW20C_WLD	MW20C_WLE
4:02:28 PM	1442.65979	2	0	0.021875001	116.0359421	-0.850317955	1810.384155	116.9145508	-0.102625847	1812.29541	120.9454193	0.277503967	1808.264526
4:02:33 PM	1442.743042	2	0	0.021875001	116.0262299	-0.83733511	1810.393799	116.9072266	-0.095300674	1812.302734	120.9454193	0.277503967	1808.264526
4:02:38 PM	1442.827148	2	0	0.021875001	116.0208511	-0.833007574	1810.39917	116.9071579	-0.095233917	1812.302856	120.9380875	0.284832001	1808.271851
4:02:43 PM	1442.910889	2	0	0.021875001	116.0154724	-0.826573372	1810.404541	116.9123764	-0.100449562	1812.297607	120.943306	0.279613495	1808.266602
4:02:48 PM	1442.994263	2	0	0.021875001	116.0015488	-0.821193695	1810.418457	116.9103317	-0.100516319	1812.299683	120.9338684	0.286937714	1808.276123
4:02:53 PM	1443.078125	2	0	0.021875001	115.99617	-0.806221008	1810.423828	116.8977356	-0.084752083	1812.312256	120.9357986	0.288169861	1808.27417
4:02:58 PM	1443.161865	2	0	0.021875001	115.9884491	-0.802831173	1810.431641	116.9103317	-0.097353935	1812.299683	120.933754	0.290218353	1808.276245
4:03:03 PM	1443.245361	2	0	0.021875001	115.9799118	-0.789960623	1810.440186	116.9208527	-0.10159874	1812.289063	120.9369736	0.286064148	1808.272949
4:03:08 PM	1443.328857	2	0	0.021875001	115.9766388	-0.787744045	1810.443359	116.9009705	-0.089039803	1812.30896	120.9317627	0.291156769	1808.278198
4:03:13 PM	1443.412598	2	0	0.021875001	115.9721985	-0.786568642	1810.447876	116.9187317	-0.106805801	1812.29126	120.927475	0.295440674	1808.282471
4:03:18 PM	1443.496338	2	0	0.021875001	115.9754639	-0.783297539	1810.44458	116.9051208	-0.093190193	1812.30481	120.9285355	0.294384003	1808.281372
4:03:23 PM	1443.580078	2	0	0.021875001	115.9657593	-0.777913332	1810.454346	116.9103317	-0.099462509	1812.299683	120.9336395	0.28811264	1808.276367
4:03:28 PM	1443.66394	2	0	0.021875001	115.9592056	-0.774642467	1810.460815	116.9124451	-0.100516319	1812.297485	120.943306	0.279613495	1808.266602
4:03:33 PM	1443.747925	2	0	0.021875001	115.9548798	-0.765982866	1810.46521	116.9197845	-0.107859612	1812.290161	120.9359818	0.286937714	1808.273926
4:03:38 PM	1443.831177	2	0	0.021875001	115.9516068	-0.762709618	1810.468384	116.9134979	-0.100449562	1812.296509	120.9370422	0.286937714	1808.272949
4:03:43 PM	1443.915161	2	0	0.021875001	115.9440079	-0.756165504	1810.476074	116.9156113	-0.102625847	1812.294312	120.9390259	0.284950256	1808.270996
4:03:48 PM	1443.999268	2	0	0.021875001	115.946228	-0.756275415	1810.473877	116.9113922	-0.10157299	1812.298584	120.9348068	0.286003113	1808.275146
4:03:53 PM	1444.082886	2	0	0.021875001	115.9386215	-0.749726772	1810.481445	116.920845	-0.108916283	1812.289063	120.9516907	0.271232605	1808.258301
4:03:58 PM	1444.166748	2	0	0.021875001	115.9321976	-0.7432971	1810.487793	116.9113922	-0.100516319	1812.298584	120.9348068	0.287055969	1808.275146
4:04:03 PM	1444.250488	2	0	0.021875001	115.9247055	-0.732533216	1810.495361	116.9155655	-0.104697227	1812.294434	120.9388504	0.28301239	1808.271118
4:04:08 PM	1444.334351	2	0	0.021875001	115.9203796	-0.731481075	1810.499634	116.9009018	-0.088973045	1812.309082	120.9243164	0.298599243	1808.285645
4:04:13 PM	1444.417969	2	0	0.021875001	115.9202576	-0.727034569	1810.499756	116.9355087	-0.122528076	1812.274414	120.9515686	0.272407532	1808.258423
4:04:18 PM	1444.501587	2	0	0.021875001	115.9062271	-0.727034569	1810.513794	116.9113922	-0.100583076	1812.298584	120.942131	0.27973175	1808.267822
4:04:24 PM	1444.585327	2	0	0.021875001	115.9095001	-0.720602512	1810.510498	116.9103317	-0.098407745	1812.299683	120.9484024	0.274517059	1808.261597
4:04:29 PM	1444.669312	2	0	0.021875001	115.9062271	-0.717327118	1810.513794	116.904068	-0.092137337	1812.305908	120.9348068	0.28811264	1808.275146
4:04:34 PM	1444.752686	2	0	0.021875001	115.9018936	-0.712995291	1810.518188	116.9197845	-0.107859612	1812.290161	120.9359818	0.286937714	1808.273926
4:04:39 PM	1444.837036	2	0	0.021875001	115.895462	-0.706567764	1810.524536	116.9155655	-0.10364151	1812.294434	120.9389648	0.283950806	1808.270996
4:04:44 PM	1444.920898	2	0	0.021875001	115.8975677	-0.708672047	1810.522461	116.9187317	-0.106805801	1812.29126	120.9420166	0.280906677	1808.267944
4:05:44 PM	1445.926514	2	0	0.021875001	115.8629456	-0.669723749	1810.557129	116.9261246	-0.114198685	1812.283813	120.942131	0.280788422	1808.267822
4:06:43 PM	1446.916626	2	0	0.021875001	115.8466873	-0.653461218	1810.573364	116.9125061	-0.09953022	1812.297485	120.9359818	0.287994385	1808.273926
4:07:44 PM	1447.921753	2	0	0.021875001	115.8230667	-0.634167433	1810.596924	116.9072342	-0.095308304	1812.302734	120.9307098	0.29221344	1808.279297
4:08:44 PM	1448.928345	2	0	0.021875001	115.8002548	-0.611356258	1810.619751	116.9155655	-0.10364151	1812.294434	120.9390869	0.28383255	1808.270874
4:09:43 PM	1449.916382	2	0	0.021875001	115.7818909	-0.591939449	1810.638184	116.9143829	-0.102452278	1812.295532	120.9380341	0.284889221	1808.271973
4:10:44 PM	1450.920166	2	0	0.021875001	115.7763901	-0.587495089	1810.643677	116.9030075	-0.091081619	1812.307007	120.9410782	0.281841278	1808.268921
4:11:44 PM	1451.922852	2	0	0.021875001	115.7645798	-0.575683594	1810.655518	116.9019547	-0.090028763	1812.307983	120.9325867	0.290336609	1808.277344
4:12:44 PM	1452.926758	2	0	0.021875001	115.7526474	-0.56375289	1810.667358	116.9091492	-0.097222328	1812.300781	120.9327011	0.290218353	1808.277222
4:13:44 PM	1453.921631	2	0	0.021875001	115.7526474	-0.56375289	1810.667358	116.9092178	-0.097288132	1812.300781	120.9252548	0.297664642	1808.284668
4:14:44 PM	1454.930054	2	0	0.021875001	115.7471542	-0.549599171	1810.672852	116.9123764	-0.098340988	1812.297607	120.9431915	0.281841278	1808.266724
4:19:43 PM	1459.920044	2	0	0.021875001	115.7138138	-0.532403231	1810.706177	116.9061813	-0.095308304	1812.303833	120.9370956	0.284767151	1808.272827
4:24:44 PM	1464.925049	2	0	0.021875001	115.7062073	-0.517313957	1810.713867	116.9051208	-0.093197823	1812.30481	120.9282379	0.294681549	1808.281738
4:29:43 PM	1469.918091	2	0	0.021875001	115.69767	-0.504447699	1810.722412	116.9166336	-0.104704857	1812.293335	120.9249573	0.297962189	1808.285034
4:34:45 PM	1474.926025	2	0	0.021875001	115.6974411	-0.508542061	1810.722656	116.9188004	-0.106873512	1812.291138	120.9346848	0.288234711	1808.275269
4:39:44 PM	1479.921875	2	0	0.021875001	115.6674957	-0.482924223	1810.752563	116.9123383	-0.10041523	1812.297607	120.9209747	0.301948547	1808.28894
4:44:44 PM	1484.911499	2	0	0.021875001	115.6791916	-0.49029398	1810.740845	116.9125366	-0.100607872	1812.297363	120.9356842	0.287239075	1808.274292
4:49:44 PM	1489.914795	2	0	0.021875001	115.6790771	-0.485852003	1810.740967	116.9313583	-0.119433403	1812.278564	120.9396667	0.283248901	1808.270264
4:54:43 PM	1494.910156	2	0	0.021875001	115.6790771	-0.494507074	1810.740967	116.916626	-0.10364151	1812.293335	120.9397888	0.284187317	1808.270142

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	RW2_Flow	RW2_DW	RW2_WLD	RW2_WLE	MW20A_DW	MW20A_WLD	MW20A_WLE	MW20C_DW	MW20C_WLD	MW20C_WLE
4:59:44 PM	1499.914063	2	0	0.021875001	115.6748657	-0.485966444	1810.745117	116.9195938	-0.107667923	1812.290405	120.9137039	0.309215546	1808.296265
5:29:44 PM	1529.903442	2	0	0.021875001	115.6587219	-0.469822645	1810.761353	116.9313049	-0.119375229	1812.278687	120.917038	0.3058815	1808.292969
5:59:44 PM	1559.893066	2	0	0.021875001	115.6458511	-0.456954479	1810.77417	116.9416122	-0.129687309	1812.268311	120.9347916	0.288127899	1808.275146
6:29:44 PM	1589.893799	2	0	0.021875001	115.6352081	-0.450636864	1810.78479	116.942543	-0.130618095	1812.267456	120.9207764	0.302139282	1808.289185
6:59:45 PM	1619.890015	2	0	0.021875001	115.6320572	-0.443157196	1810.787964	116.9467697	-0.134845734	1812.263184	120.9174957	0.305423737	1808.29248
7:29:44 PM	1649.880737	2	0	0.021875001	115.6320572	-0.443157196	1810.787964	116.9685669	-0.156642914	1812.241455	120.9248199	0.298099518	1808.285156
7:59:43 PM	1679.861572	2	0	0.021875001	115.6266708	-0.437772989	1810.793335	116.982254	-0.170324326	1812.227661	120.9309769	0.291942596	1808.278931
8:29:45 PM	1709.868408	2	0	0.021875001	115.6319351	-0.443036079	1810.788086	116.9874573	-0.175532341	1812.222534	120.9507828	0.272136688	1808.259155
8:59:44 PM	1739.851074	2	0	0.021875001	115.6360321	-0.447132587	1810.784058	116.9958344	-0.183904648	1812.214111	120.9664307	0.256492615	1808.24353
9:59:44 PM	1799.836304	2	0	0.021875001	115.6836395	-0.494744778	1810.73645	117.0299759	-0.218048096	1812.179932	121.0592651	0.163654327	1808.150635
10:59:44 PM	1859.818359	2	0	0.021875001	115.6461029	-0.456153154	1810.773926	117.0573349	-0.245410919	1812.152588	121.1232071	0.099712372	1808.086792
11:59:44 PM	1919.803711	2	0	0.021875001	115.5885544	-0.399656773	1810.831543	117.0647202	-0.252796173	1812.145264	121.1378021	0.085121155	1808.072144
12:59:45 AM	1979.797607	2	0	0.021875001	115.5366211	-0.347721338	1810.883423	117.0647888	-0.25286293	1812.145142	121.1523285	0.070587158	1808.057617
1:59:43 AM	2039.77356	2	0	0.021875001	115.5158005	-0.322579145	1810.904297	117.0376205	-0.225692749	1812.172363	121.1763611	0.046562195	1808.033569
2:59:44 AM	2099.759766	2	0	0.021875001	115.4884338	-0.303862095	1810.931641	117.0490875	-0.23716259	1812.160889	121.1731873	0.049728394	1808.036743
3:59:43 AM	2159.744141	2	0	0.021875001	115.4772034	-0.288308382	1810.942871	117.0417328	-0.229804039	1812.168213	121.1952896	0.027629852	1808.014648
4:59:45 AM	2219.739258	2	0	0.021875001	115.4490204	-0.260121822	1810.971069	117.0291061	-0.217179298	1812.180908	121.2046051	0.018314362	1808.005371
5:59:44 AM	2279.722168	2	0	0.018750001	115.415802	-0.225848913	1811.004272	117.01651	-0.204584122	1812.193481	121.2068329	0.016086578	1808.003174
6:59:44 AM	2339.70459	2	0	0.021875001	115.422699	-0.228420019	1810.997314	117.0116501	-0.199726105	1812.198364	121.2246094	-0.001686096	1807.985352
7:59:44 AM	2399.686035	2	0	0.021875001	115.4050369	-0.216137171	1811.015015	117.0036392	-0.191713333	1812.206299	121.2280579	-0.005138397	1807.981934
8:59:45 AM	2459.682617	2	0	0.021875001	115.3810577	-0.19216156	1811.03894	116.9744339	-0.162508011	1812.235474	121.1964493	0.026470184	1808.01355
9:59:43 AM	2519.654053	2	0	0.021875001	115.3531036	-0.165258408	1811.066895	116.9618149	-0.149888039	1812.248169	121.1697922	0.053127289	1808.040161
10:59:44 AM	2579.649414	2	0	0.021875001	115.3453827	-0.156488657	1811.074707	116.94384	-0.131915092	1812.266113	121.1721191	0.050804138	1808.037842
11:59:44 AM	2639.639648	2	0	0.021875001	115.335556	-0.146662474	1811.084473	116.9252777	-0.113348007	1812.284668	121.1673584	0.055561066	1808.042603
12:59:44 PM	2699.609863	2	0	0.021875001	115.3205872	-0.131691933	1811.099487	116.925415	-0.113489151	1812.284546	121.1600952	0.062824249	1808.049805
1:59:45 PM	2759.608643	2	0	0.021875001	115.3301773	-0.136955261	1811.089844	116.9322739	-0.120349884	1812.27771	121.1594543	0.063468933	1808.050537
2:59:44 PM	2819.579102	2	0	0.021875001	115.3226929	-0.130523205	1811.097412	116.9080429	-0.096115112	1812.30188	121.1569824	0.065933228	1808.052979
3:59:44 PM	2879.565918	2	0	0.021875001	115.325737	-0.136840582	1811.09436	116.9074402	-0.095509529	1812.30249	121.156929	0.065990448	1808.052979

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	MW30A_DW	MW30A_WLD	MW30A_WLE	MW30C_DW	MW30C_WLD	MW30C_WLE	MW47B_DW	MW47B_WLD	MW47B_WLE	MW47C_DW
3:59:26 PM	8.425316811	0	43	117.9753647	0.019130707	1812.304688	118.0562363	0.019035339	1812.223755	118.2560043	0.003977776	1813.833984	118.3837967
3:59:31 PM	0.082149997	1	43	117.9743042	0.001055717	1812.305664	118.0698395	-0.006278992	1812.210205	118.2549515	0.001052856	1813.834961	118.3870697
3:59:36 PM	0.165999994	1	43	117.9764175	0	1812.303589	118.0718536	-0.007335663	1812.20813	118.2560043	0	1813.833984	118.3924484
3:59:41 PM	0.250099987	1	43	117.9764175	-0.001052856	1812.303589	118.0718536	-0.008289337	1812.20813	118.2570572	-0.001051903	1813.832886	118.3891754
3:59:46 PM	0.333600014	1	43	117.9753647	0.007344246	1812.304688	118.0634689	9.54E-05	1812.216553	118.2516785	0.004327774	1813.838257	118.3881226
3:59:50 PM	0.401016653	1	43	117.9753189	0.00110054	1812.304688	118.0635681	0.001056671	1812.216431	118.2592773	-0.003274918	1813.830688	118.3870697
3:59:55 PM	0.485016674	1	43	117.9764175	0	1812.303589	118.0647125	-9.54E-05	1812.215332	118.2560043	0.001052856	1813.833984	118.3881226
4:00:01 PM	0.569716692	1	43	117.9753647	0	1812.304688	118.0562363	0.007328033	1812.223755	118.2516785	0.004327774	1813.838257	118.3881226
4:00:06 PM	0.654016674	1	43	117.9680176	0.007344246	1812.312012	118.0562363	0.007328033	1812.223755	118.2560043	0	1813.833984	118.3881226
4:00:11 PM	0.738250017	1	43	117.9754028	-4.48E-05	1812.304688	118.0635681	0	1812.216431	118.2603302	-0.004327774	1813.82959	118.3881226
4:00:16 PM	0.822149992	1	43	117.9754028	0.001010895	1812.304688	118.0782166	0.001056671	1812.201782	118.2592773	-0.003274918	1813.830688	118.3870697
4:00:21 PM	0.906766653	1	43	117.9680634	0.006246567	1812.312012	118.0635681	-0.001052856	1812.216431	118.2570572	-0.001051903	1813.832886	118.3891754
4:00:26 PM	0.990916669	1	43	117.9764557	-0.001097679	1812.303589	118.0791702	-0.015605927	1812.200806	118.2527313	0.003275871	1813.83728	118.3891754
4:00:31 PM	1.074733377	1	43	117.9753647	-0.001052856	1812.304688	118.0561371	-0.000957489	1812.223877	118.2570572	-0.001051903	1813.832886	118.3891754
4:00:36 PM	1.159033298	1	43	117.97435	0.001010895	1812.305664	118.0698395	-0.006278992	1812.210205	118.2592773	-0.003274918	1813.830688	118.3914032
4:00:41 PM	1.242583275	1	43	117.9732971	0.001010895	1812.306763	118.0613556	0.001152039	1812.218628	118.2636108	-0.00760746	1813.826416	118.3914032
4:00:46 PM	1.327300072	1	43	117.96595	0.008355141	1812.314087	118.0614548	0.001056671	1812.218628	118.2592773	-0.003274918	1813.830688	118.3870697
4:00:51 PM	1.412150025	1	43	117.9670105	0.009410858	1812.312988	118.0624084	0.002204895	1812.217651	118.2582245	-0.002221107	1813.831787	118.3860168
4:00:56 PM	1.496216655	1	43	117.9805908	-0.005232811	1812.299438	118.0614548	0.002204895	1812.218628	118.262558	-0.006552696	1813.827393	118.3860168
4:01:01 PM	1.580383301	1	43	117.9816513	-0.005232811	1812.29834	118.0625076	0.002109528	1812.217529	118.2582245	-0.002221107	1813.831787	118.3860168
4:01:06 PM	1.664333344	1	43	117.9743042	0.001055717	1812.305664	118.0625076	0.001056671	1812.217529	118.2592773	-0.003274918	1813.830688	118.3870697
4:01:11 PM	1.74816668	1	43	117.9669647	0	1812.31311	118.0698395	0	1812.210205	118.2646637	-0.008659363	1813.825317	118.3837967
4:01:16 PM	1.832266688	1	43	117.9743042	0.007344246	1812.305664	118.0625076	-0.007335663	1812.217529	118.2646637	-0.008659363	1813.825317	118.3881226
4:01:21 PM	1.916100025	1	43	117.9816513	-0.006288528	1812.29834	118.0624084	0.001056671	1812.217651	118.2636108	-0.00760746	1813.826416	118.3870697
4:01:26 PM	1.999899983	1	43	117.9732513	0.002111435	1812.306763	118.0613556	0.002204895	1812.218628	118.262558	-0.006552696	1813.827393	118.3773651
4:01:31 PM	2.083899975	1	43	117.9743042	0.001055717	1812.305664	118.0551758	0.008384705	1812.224854	118.2679367	-0.011930466	1813.822021	118.3870697
4:01:36 PM	2.168016672	1	43	117.9889984	-0.012584686	1812.291016	118.0625076	0.002109528	1812.217529	118.2712097	-0.010875702	1813.818726	118.3860168
4:01:41 PM	2.252033234	1	43	117.96595	0.009410858	1812.314087	118.0614548	0.002109528	1812.218628	118.262558	-0.006552696	1813.827393	118.381691
4:01:47 PM	2.335900068	1	43	117.9732971	0.008355141	1812.306763	118.0687866	-0.006278992	1812.211182	118.2636108	-0.00760746	1813.826416	118.3827438
4:01:52 PM	2.420533419	1	43	117.9732513	0.003124237	1812.306763	118.0541229	0.010498047	1812.225952	118.2658234	-0.009821892	1813.824097	118.384964
4:01:57 PM	2.504616737	1	43	117.9753647	0.001055717	1812.304688	118.0635681	0.001056671	1812.216431	118.2679367	-0.011930466	1813.822021	118.3827438
4:02:02 PM	2.588799953	1	43	117.9743042	-0.001052856	1812.305664	118.0625076	-0.001052856	1812.217529	118.2689819	-0.012982368	1813.821045	118.3881226
4:02:07 PM	2.67264986	1	43	117.9607086	0	1812.319336	118.0635681	0	1812.216431	118.2733154	-0.017314911	1813.81665	118.3881226
4:02:12 PM	2.756516695	1	43	117.9743042	0.002111435	1812.305664	118.0698395	-0.005226135	1812.210205	118.2712097	-0.015208244	1813.818726	118.3860168
4:02:17 PM	2.840916634	1	43	117.9753647	0.001055717	1812.304688	118.0635681	0.001056671	1812.216431	118.2679367	-0.011930466	1813.822021	118.3914032
4:02:22 PM	2.924649954	1	43	117.9680634	0.007299423	1812.312012	118.0635681	0	1812.216431	118.2776413	-0.021637917	1813.812378	118.3837967
4:02:26 PM	2.992150068	1	43	117.9680176	0.007344246	1812.312012	118.0635681	0	1812.216431	118.2776413	-0.021637917	1813.812378	118.3881226
4:02:31 PM	3.075750113	1	43	117.9680176	0.007344246	1812.312012	118.0635681	0	1812.216431	118.2733154	-0.017314911	1813.81665	118.3837967
4:02:36 PM	3.159433365	1	43	117.9669647	0.007344246	1812.31311	118.0625076	9.54E-05	1812.217529	118.2733154	-0.017314911	1813.81665	118.3837967
4:02:41 PM	3.243716717	1	43	117.9816513	-0.007344246	1812.29834	118.0625076	0	1812.217529	118.2733154	-0.017314911	1813.81665	118.3881226
4:02:46 PM	3.327533245	1	43	117.9753647	0	1812.304688	118.0635681	0	1812.216431	118.2733154	-0.017314911	1813.81665	118.3837967
4:02:51 PM	3.411616564	1	43	117.9743042	0.008399963	1812.305664	118.0624084	0.001152039	1812.217651	118.2679367	-0.011930466	1813.822021	118.3870697
4:02:57 PM	3.506383419	1	43	117.9732513	0.002111435	1812.306763	118.0687866	-0.005226135	1812.211182	118.2712097	-0.015208244	1813.818726	118.3860168
4:03:01 PM	3.58188343	1	43	117.9732513	0.001055717	1812.306763	118.0614548	0.001056671	1812.218628	118.2722626	-0.016262054	1813.817749	118.3870697
4:03:06 PM	3.66566658	1	43	117.9669647	0	1812.31311	118.0624084	0.007427216	1812.217651	118.2776413	-0.021637917	1813.812378	118.3924484
4:03:11 PM	3.749583244	1	43	117.9816513	-0.005232811	1812.29834	118.0623169	0.002300262	1812.217773	118.2712097	-0.015208244	1813.818726	118.381691

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	MW30A_DW	MW30A_WLD	MW30A_WLE	MW30C_DW	MW30C_WLD	MW30C_WLE	MW47B_DW	MW47B_WLD	MW47B_WLE	MW47C_DW
4:03:16 PM	3.83373332	1	43	117.97435	0.001055717	1812.305664	118.0624084	0.001152039	1812.217651	118.2765884	-0.020586014	1813.813354	118.3870697
4:03:21 PM	3.917449951	1	43	117.96595	0.008355141	1812.314087	118.0540314	0.008483887	1812.225952	118.2722626	-0.016262054	1813.817749	118.3870697
4:03:26 PM	4.000850201	1	43	117.9732971	0.001010895	1812.306763	118.0613556	0.001152039	1812.218628	118.2722626	-0.016262054	1813.817749	118.3870697
4:03:31 PM	4.084983349	1	43	117.9816971	0.002065659	1812.29834	118.0698395	0.009437561	1812.210205	118.2668762	-0.010875702	1813.82312	118.3860168
4:03:36 PM	4.168616772	1	43	117.97435	0.001055717	1812.305664	118.0698395	-0.006278992	1812.210205	118.2722626	-0.016262054	1813.817749	118.3870697
4:03:42 PM	4.252699852	1	43	117.9754028	0.001010895	1812.304688	118.0635681	0.001056671	1812.216431	118.2722626	-0.016262054	1813.817749	118.3827438
4:03:47 PM	4.336733341	1	43	117.9691162	-4.48E-05	1812.310913	118.064621	0	1812.215454	118.2776413	-0.021637917	1813.812378	118.3837967
4:03:52 PM	4.420499802	1	43	117.9680634	0.008355141	1812.312012	118.0561371	0.008384705	1812.223877	118.2765884	-0.020586014	1813.813354	118.3870697
4:03:57 PM	4.504499912	1	43	117.9670105	0.007299423	1812.312988	118.0624084	9.54E-05	1812.217651	118.2733154	-0.017314911	1813.81665	118.3924484
4:04:02 PM	4.589149952	1	43	117.9732971	0.002065659	1812.306763	118.0614548	0.002204895	1812.218628	118.2712097	-0.015208244	1813.818726	118.3903427
4:04:07 PM	4.67266655	1	43	117.97435	0.009410858	1812.305664	118.0625076	0.002109528	1812.217529	118.2712097	-0.015208244	1813.818726	118.3860168
4:04:12 PM	4.756283283	1	43	117.97435	0.001010895	1812.305664	118.0624084	0.001152039	1812.217651	118.2722626	-0.016262054	1813.817749	118.3870697
4:04:17 PM	4.840650082	1	43	117.9732971	0.001010895	1812.306763	118.0687866	-0.006278992	1812.211182	118.2679367	-0.011930466	1813.822021	118.3870697
4:04:22 PM	4.924766541	1	43	117.9732971	0.002065659	1812.306763	118.0613556	0.002204895	1812.218628	118.2755356	-0.01953125	1813.814453	118.3903427
4:05:21 PM	5.916283131	1	43	117.9596558	0.01570797	1812.320313	118.0698395	-0.006278992	1812.210205	118.2722626	-0.016262054	1813.817749	118.3914032
4:06:22 PM	6.920016766	1	43	117.97435	0.001010895	1812.305664	118.0770569	-0.013496399	1812.203003	118.2722626	-0.016262054	1813.817749	118.3914032
4:07:22 PM	7.925983429	1	43	117.9722366	0.003124237	1812.307739	118.0603943	0.003170013	1812.219604	118.2701569	-0.014153481	1813.819824	118.3892899
4:08:21 PM	8.917833328	1	43	117.9785309	-0.003167152	1812.301514	118.0666809	-0.003112793	1812.213379	118.269104	-0.013101578	1813.820801	118.388237
4:09:22 PM	9.926549911	1	43	117.9722366	0.003124237	1812.307739	118.0526733	0.010887146	1812.227295	118.2734299	-0.017424583	1813.816528	118.3839111
4:10:21 PM	10.91880035	1	43	117.9711838	0.004177094	1812.308838	118.0667725	-0.00320816	1812.213257	118.2734299	-0.017424583	1813.816528	118.3839111
4:11:22 PM	11.92695045	1	43	117.9732971	-0.005278587	1812.306763	118.0687866	-0.005226135	1812.211182	118.2755356	-0.01953125	1813.814453	118.381691
4:12:21 PM	12.91763306	1	43	117.9732971	0.002065659	1812.306763	118.061554	0.002010345	1812.218506	118.2755356	-0.01953125	1813.814453	118.3860168
4:13:22 PM	13.92504978	1	43	117.9701309	0.004177094	1812.309937	118.05867	0.003833771	1812.221313	118.2777557	-0.021752357	1813.812256	118.388237
4:14:21 PM	14.91636658	1	43	117.9732971	0.001010895	1812.306763	118.0619354	0.000572205	1812.21814	118.2809143	-0.024912834	1813.809082	118.3914032
4:19:21 PM	19.91898346	1	43	117.9795837	0.003124237	1812.300415	118.0684128	0.002487183	1812.21167	118.2788086	-0.023859024	1813.811157	118.384964
4:24:21 PM	24.91220093	1	43	117.9721909	0.00316906	1812.307861	118.0684128	-0.00484848	1812.21167	118.2831345	-0.027132034	1813.806885	118.384964
4:29:22 PM	29.92465019	1	43	117.9732513	0.002111435	1812.306763	118.0696716	-0.006103516	1812.210327	118.2885132	-0.032513618	1813.801514	118.3860168
4:34:22 PM	34.91614914	1	43	117.9836807	-0.008318901	1812.296387	118.0801849	-0.016624451	1812.199829	118.2799759	-0.023975372	1813.809937	118.3861313
4:39:22 PM	39.91798401	1	43	117.9742661	-0.006210327	1812.305786	118.0485687	0.007659912	1812.231445	118.2865372	-0.03053093	1813.803467	118.3840332
4:44:22 PM	44.92073441	1	43	117.9679794	0.007385254	1812.312012	118.0788422	-0.000629425	1812.201172	118.2875824	-0.031582832	1813.802368	118.3850784
4:49:21 PM	49.9080658	1	43	117.9742661	0.002152443	1812.305786	118.0632401	0.00138092	1812.216797	118.2854767	-0.029476166	1813.804443	118.3829727
4:54:21 PM	54.90641785	1	43	117.9742203	0.001141548	1812.305786	118.0631409	0.000423431	1812.216919	118.2865372	-0.03053093	1813.803467	118.3840332
4:59:21 PM	59.90963364	1	43	117.9868011	-0.004097939	1812.293213	118.0608292	0.002735138	1812.219238	118.2887497	-0.032745361	1813.80127	118.3819199
5:29:22 PM	89.90814972	1	43	117.9889297	-0.013567924	1812.291138	118.0696259	-0.006057739	1812.210449	118.2878189	-0.031816483	1813.802124	118.3809891
5:59:22 PM	119.9041672	1	43	117.9877853	-0.018710136	1812.292236	118.076004	-0.011375427	1812.203979	118.2954178	-0.039417267	1813.794556	118.3756027
6:29:22 PM	149.8851166	1	43	117.9866791	-0.018665314	1812.293335	118.074646	-0.011180878	1812.205322	118.2986908	-0.042685509	1813.79126	118.3745499
6:59:21 PM	179.8807526	1	43	117.9919662	-0.023945808	1812.288086	118.0871887	-0.023628235	1812.192871	118.3052444	-0.049241066	1813.784668	118.37677
7:29:21 PM	209.871048	1	43	118.0064774	-0.023810387	1812.27356	118.0871887	-0.023628235	1812.192871	118.3138962	-0.05789566	1813.776123	118.3724442
7:59:22 PM	239.8676453	1	43	117.9969711	-0.02161026	1812.283081	118.0922241	-0.028656006	1812.187744	118.3117981	-0.055791855	1813.778198	118.3746719
8:29:22 PM	269.8642273	1	43	118.0126343	-0.029925346	1812.267334	118.093277	-0.037036896	1812.186768	118.3171692	-0.061166763	1813.772827	118.3713913
8:59:22 PM	299.8516541	1	43	118.0138245	-0.038462639	1812.266235	118.1088791	-0.045314789	1812.171143	118.318222	-0.06221962	1813.771729	118.3681183
9:59:21 PM	359.834259	1	43	118.0335312	-0.050823212	1812.24646	118.1214294	-0.065185547	1812.158569	118.3204498	-0.064446449	1813.769531	118.3660126
10:59:22 PM	419.8253174	1	43	118.0303192	-0.054955482	1812.249756	118.1327209	-0.069156647	1812.147339	118.3172913	-0.061285973	1813.772705	118.362854
11:59:22 PM	479.8086243	1	43	118.0312042	-0.055844307	1812.248779	118.1336288	-0.070064545	1812.146362	118.3153	-0.063626289	1813.774658	118.3608627
12:59:22 AM	539.7944336	1	43	118.0332489	-0.065227509	1812.246826	118.1501923	-0.086624146	1812.129883	118.3069992	-0.050992966	1813.782959	118.352562
1:59:22 AM	599.7810669	1	43	118.0310059	-0.05560112	1812.249023	118.1258774	-0.06231308	1812.154175	118.3117905	-0.051457405	1813.778198	118.3313904

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	MW30A_DW	MW30A_WLD	MW30A_WLE	MW30C_DW	MW30C_WLD	MW30C_WLE	MW47B_DW	MW47B_WLD	MW47B_WLE	MW47C_DW
2:59:21 AM	659.7606812	1	43	118.0329132	-0.056495667	1812.24707	118.1279602	-0.056030273	1812.1521	118.3207932	-0.063737869	1813.769165	118.3144226
3:59:22 AM	719.7507935	1	43	118.0401764	-0.064860344	1812.239868	118.1204834	-0.056919098	1812.159546	118.3350677	-0.080115318	1813.754883	118.315712
4:59:23 AM	779.7385864	1	43	118.0233917	-0.046972275	1812.256592	118.1183624	-0.05374527	1812.161621	118.3441849	-0.088184834	1813.745728	118.3205109
5:59:22 AM	839.7148438	1	43	118.0137634	-0.038399696	1812.266235	118.1306	-0.06703949	1812.149414	118.3489761	-0.092974663	1813.740967	118.3252945
6:59:23 AM	899.7128296	1	43	118.0440979	-0.068734169	1812.235962	118.1387787	-0.075214386	1812.141235	118.3699188	-0.113914967	1813.720093	118.3548889
7:59:22 AM	959.6920776	1	43	118.055542	-0.087568283	1812.224487	118.1446381	-0.088294983	1812.135376	118.3940048	-0.138002872	1813.695923	118.3703308
8:59:22 AM	1019.672424	1	43	118.0547791	-0.078314781	1812.22522	118.1509018	-0.086280823	1812.12915	118.4041824	-0.15578413	1813.685791	118.3978119
9:59:22 AM	1079.663452	1	43	118.054985	-0.080676079	1812.225098	118.1446991	-0.082187653	1812.135376	118.4147034	-0.15870285	1813.675293	118.4126663
10:59:22 AM	1139.64563	1	43	118.061203	-0.087947845	1812.218872	118.1277161	-0.066158295	1812.152344	118.4421921	-0.186191559	1813.647827	118.4271698
11:59:23 AM	1199.629761	1	43	118.0746613	-0.098247528	1812.205322	118.148056	-0.083435059	1812.131958	118.4790421	-0.223035812	1813.610962	118.4510269
12:59:22 PM	1259.614258	1	43	118.0923309	-0.121193886	1812.187744	118.1449203	-0.085483551	1812.135132	118.4915466	-0.235547066	1813.598389	118.4592133
1:59:23 PM	1319.606079	1	43	118.0906372	-0.114221573	1812.189453	118.1563568	-0.091739655	1812.123657	118.5114365	-0.255433083	1813.578491	118.4747696
2:59:22 PM	1379.590454	1	43	118.0987396	-0.123379707	1812.181274	118.1650467	-0.101482391	1812.11499	118.5250015	-0.267944813	1813.564941	118.4883347
3:59:23 PM	1439.581055	1	43	118.0957031	-0.121395111	1812.184326	118.1480713	-0.085559845	1812.131958	118.5405579	-0.285607338	1813.549438	118.482254
3:59:47 PM	1439.983521	1	43	118.0935974	-0.118231773	1812.186401	118.1460571	-0.082492828	1812.134033	118.5330734	-0.277066708	1813.556885	118.4747696
3:59:52 PM	1440.067017	2	0	118.0946503	-0.126594543	1812.185425	118.139801	-0.068897247	1812.140259	118.5384521	-0.282450676	1813.551514	118.4801483
3:59:57 PM	1440.151123	2	0	118.0915222	-0.114050865	1812.188477	118.1512299	-0.085559845	1812.128784	118.5459366	-0.286774158	1813.544067	118.4833069
4:00:02 PM	1440.234497	2	0	118.1030884	-0.125616074	1812.177002	118.1554565	-0.0897789	1812.124512	118.5447693	-0.288768291	1813.545166	118.4864655
4:00:08 PM	1440.318359	2	0	118.1093903	-0.13402462	1812.170654	118.1471786	-0.083614349	1812.132813	118.5458221	-0.289820194	1813.544189	118.4875183
4:00:13 PM	1440.401855	2	0	118.1020813	-0.119372368	1812.177979	118.1617279	-0.083518982	1812.118286	118.5371704	-0.281165123	1813.552734	118.4831924
4:00:18 PM	1440.485352	2	0	118.108284	-0.13292408	1812.171753	118.1533432	-0.0897789	1812.126709	118.5361176	-0.28011322	1813.553833	118.4864655
4:00:23 PM	1440.568726	2	0	118.100975	-0.128779411	1812.179077	118.1533432	-0.092945099	1812.126709	118.5522537	-0.296247959	1813.53772	118.489624
4:00:28 PM	1440.6521	2	0	118.0926208	-0.118317604	1812.187378	118.1522827	-0.0897789	1812.127686	118.5523682	-0.296364784	1813.537598	118.4854126
4:00:33 PM	1440.736084	2	0	118.0904694	-0.122447968	1812.189575	118.150177	-0.079296112	1812.129883	118.5372772	-0.281275272	1813.552734	118.4833069
4:00:38 PM	1440.819458	2	0	118.1040649	-0.129755974	1812.176025	118.1491241	-0.086612701	1812.130859	118.5372772	-0.281275272	1813.552734	118.478981
4:00:43 PM	1440.90332	2	0	118.0978088	-0.122447968	1812.182251	118.1428604	-0.079296112	1812.137207	118.5469894	-0.290984631	1813.542969	118.4800339
4:00:48 PM	1440.987061	2	0	118.1019592	-0.127648354	1812.178101	118.1397018	-0.077186584	1812.140381	118.5351715	-0.27917099	1813.55481	118.4768753
4:00:53 PM	1441.070435	2	0	118.096756	-0.128703117	1812.183228	118.1418076	-0.078243256	1812.138184	118.5362244	-0.280222893	1813.553711	118.482254
4:00:58 PM	1441.154297	2	0	118.0999222	-0.123505592	1812.180054	118.1450653	-0.080451965	1812.13501	118.5296783	-0.273674488	1813.560303	118.4843597
4:01:03 PM	1441.238037	2	0	118.108284	-0.133979797	1812.171753	118.160675	-0.098167419	1812.119385	118.5414886	-0.285488605	1813.548462	118.4875183
4:01:08 PM	1441.321533	2	0	118.1040955	-0.127679825	1812.175903	118.1565094	-0.091888428	1812.123535	118.5338898	-0.277885437	1813.55603	118.4842453
4:01:13 PM	1441.405151	2	0	118.1020355	-0.126671791	1812.177979	118.1470795	-0.083518982	1812.132935	118.5328369	-0.276833057	1813.557129	118.4831924
4:01:18 PM	1441.488525	2	0	118.1030884	-0.127725601	1812.177002	118.1554565	-0.084571838	1812.124512	118.5382233	-0.282217503	1813.551758	118.4885712
4:01:23 PM	1441.57251	2	0	118.116684	-0.139210701	1812.16333	118.1544952	-0.088817596	1812.125488	118.5361176	-0.28011322	1813.553833	118.4864655
4:01:28 PM	1441.656006	2	0	118.0978088	-0.123505592	1812.182251	118.1428604	-0.095001221	1812.137207	118.5416107	-0.285607338	1813.54834	118.4833069
4:01:33 PM	1441.73938	2	0	118.102005	-0.132928848	1812.177979	118.1397018	-0.075080872	1812.140381	118.5298004	-0.273795605	1813.560181	118.4844818
4:01:38 PM	1441.822876	2	0	118.0978546	-0.12249279	1812.182129	118.1502762	-0.086711884	1812.129761	118.532959	-0.276952267	1813.557007	118.4833069
4:01:43 PM	1441.906738	2	0	118.0894165	-0.114050865	1812.190674	118.1490326	-0.085464478	1812.130981	118.5275726	-0.271567822	1813.562378	118.4865875
4:01:48 PM	1441.990234	2	0	118.0988693	-0.123505592	1812.181152	118.1658936	-0.102333069	1812.114136	118.5426636	-0.286661625	1813.547363	118.4843597
4:01:53 PM	1442.07373	2	0	118.0936356	-0.125616074	1812.186401	118.1386871	-0.097110748	1812.141357	118.5404358	-0.284436226	1813.549561	118.4864655
4:01:58 PM	1442.157349	2	0	118.0925751	-0.117214203	1812.1875	118.1522827	-0.088722229	1812.127686	118.5393829	-0.283381939	1813.550537	118.4854126
4:02:03 PM	1442.240967	2	0	118.100975	-0.125616074	1812.179077	118.1533432	-0.0897789	1812.126709	118.5447693	-0.288768291	1813.545166	118.490799
4:02:08 PM	1442.324951	2	0	118.1093445	-0.119327545	1812.170654	118.1470795	-0.083518982	1812.132935	118.5371704	-0.281165123	1813.552734	118.4875183
4:02:13 PM	1442.408691	2	0	118.1031342	-0.126716614	1812.17688	118.1481323	-0.083518982	1812.131836	118.5338898	-0.281165123	1813.55603	118.4885712
4:02:18 PM	1442.49231	2	0	118.1177826	-0.142422676	1812.162231	118.1481323	-0.084571838	1812.131836	118.5338898	-0.277885437	1813.55603	118.4885712
4:02:23 PM	1442.575928	2	0	118.1020813	-0.127770424	1812.177979	118.1470795	-0.084571838	1812.132935	118.5414886	-0.286540508	1813.548462	118.4918518

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	MW30A_DW	MW30A_WLD	MW30A_WLE	MW30C_DW	MW30C_WLD	MW30C_WLE	MW47B_DW	MW47B_WLD	MW47B_WLE	MW47C_DW
4:02:28 PM	1442.65979	2	0	118.100975	-0.125616074	1812.179077	118.1533432	-0.0897789	1812.126709	118.5447693	-0.288768291	1813.545166	118.490799
4:02:33 PM	1442.743042	2	0	118.1061783	-0.124558449	1812.173828	118.1585693	-0.08140564	1812.12146	118.5469894	-0.29203701	1813.542969	118.4886932
4:02:38 PM	1442.827148	2	0	118.0914764	-0.11716938	1812.188599	118.1439209	-0.08140564	1812.136108	118.5350647	-0.279058456	1813.554932	118.4897461
4:02:43 PM	1442.910889	2	0	118.0977631	-0.122402191	1812.182251	118.1428604	-0.079296112	1812.137207	118.5286255	-0.274726868	1813.561279	118.4833069
4:02:48 PM	1442.994263	2	0	118.1082458	-0.130813599	1812.171753	118.1386414	-0.080352783	1812.141357	118.5330734	-0.282329559	1813.556885	118.4790955
4:02:53 PM	1443.078125	2	0	118.0914841	-0.114010811	1812.188599	118.1364365	-0.07075882	1812.143555	118.525589	-0.272853374	1813.564331	118.4759369
4:02:58 PM	1443.161865	2	0	118.096756	-0.120340347	1812.183228	118.1343765	-0.069755554	1812.14563	118.5265198	-0.270515919	1813.563477	118.4812012
4:03:03 PM	1443.245361	2	0	118.0925827	-0.116165161	1812.1875	118.1449051	-0.080287933	1812.135132	118.5233612	-0.26630497	1813.56665	118.4780426
4:03:08 PM	1443.328857	2	0	118.0862961	-0.118276596	1812.193726	118.1459656	-0.082397461	1812.134033	118.5287476	-0.268411636	1813.561279	118.4790955
4:03:13 PM	1443.412598	2	0	118.1051178	-0.114050865	1812.174927	118.1427612	-0.085464478	1812.137207	118.5275726	-0.275899887	1813.562378	118.482254
4:03:18 PM	1443.496338	2	0	118.096756	-0.122447968	1812.183228	118.1563568	-0.093845367	1812.123657	118.5232468	-0.272620201	1813.566772	118.4865875
4:03:23 PM	1443.580078	2	0	118.1030121	-0.128703117	1812.177002	118.1478729	-0.08536911	1812.132202	118.5265198	-0.271567822	1813.563477	118.4812012
4:03:28 PM	1443.66394	2	0	118.1051178	-0.129755974	1812.174927	118.1428604	-0.079296112	1812.137207	118.5286255	-0.272620201	1813.561279	118.4833069
4:03:33 PM	1443.747925	2	0	118.0977631	-0.122447968	1812.182251	118.150177	-0.086612701	1812.129883	118.5286255	-0.276952267	1813.561279	118.478981
4:03:38 PM	1443.831177	2	0	118.1061783	-0.130813599	1812.173828	118.1511383	-0.087669373	1812.128906	118.5340118	-0.276952267	1813.555908	118.4843597
4:03:43 PM	1443.915161	2	0	118.0999222	-0.124558449	1812.180054	118.152092	-0.088626862	1812.12793	118.5350647	-0.279058456	1813.554932	118.4810867
4:03:48 PM	1443.999268	2	0	118.0904694	-0.121395111	1812.189575	118.1500854	-0.085464478	1812.129883	118.5372772	-0.280222893	1813.552734	118.478981
4:03:53 PM	1444.082886	2	0	118.1061783	-0.116161346	1812.173828	118.1511383	-0.087669373	1812.128906	118.5340118	-0.273674488	1813.555908	118.4886932
4:03:58 PM	1444.166748	2	0	118.096756	-0.121395111	1812.183228	118.1417084	-0.078147888	1812.138306	118.5362244	-0.280222893	1813.553711	118.482254
4:04:03 PM	1444.250488	2	0	118.1082458	-0.133938789	1812.171753	118.1384506	-0.075942993	1812.141602	118.5244141	-0.269463539	1813.565552	118.4790955
4:04:08 PM	1444.334351	2	0	118.1019592	-0.118231773	1812.178101	118.1396027	-0.082298279	1812.140381	118.5287476	-0.272743225	1813.561279	118.4747696
4:04:13 PM	1444.417969	2	0	118.1051178	-0.129755974	1812.174927	118.1500854	-0.086517334	1812.129883	118.5286255	-0.272620201	1813.561279	118.4833069
4:04:18 PM	1444.501587	2	0	118.096756	-0.122447968	1812.183228	118.1417084	-0.079200745	1812.138306	118.5275726	-0.272620201	1813.562378	118.4779282
4:04:24 PM	1444.585327	2	0	118.088356	-0.112996101	1812.19165	118.155304	-0.091739655	1812.124756	118.5308533	-0.274847984	1813.559082	118.4855347
4:04:29 PM	1444.669312	2	0	118.0978088	-0.121395111	1812.182251	118.1427612	-0.100128174	1812.137207	118.5319061	-0.275899887	1813.558105	118.482254
4:04:34 PM	1444.752686	2	0	118.096756	-0.122447968	1812.183228	118.1491241	-0.086612701	1812.130859	118.5275726	-0.271567822	1813.562378	118.482254
4:04:39 PM	1444.837036	2	0	118.1019592	-0.12553978	1812.178101	118.1542511	-0.089630127	1812.125732	118.5254669	-0.269463539	1813.564453	118.4801483
4:04:44 PM	1444.920898	2	0	118.111412	-0.136048317	1812.168579	118.1416168	-0.078052521	1812.138428	118.5232468	-0.267240524	1813.566772	118.4865875
4:05:44 PM	1445.926514	2	0	118.1041107	-0.12038517	1812.175903	118.1490326	-0.084407806	1812.130981	118.5232468	-0.266188145	1813.566772	118.482254
4:06:43 PM	1446.916626	2	0	118.1051636	-0.129800797	1812.174805	118.1428604	-0.079296112	1812.137207	118.5372772	-0.280222893	1813.552734	118.4833069
4:07:44 PM	1447.921753	2	0	118.0925827	-0.117218971	1812.1875	118.1595688	-0.096004486	1812.120483	118.5266418	-0.270637035	1813.563354	118.4769897
4:08:44 PM	1448.928345	2	0	118.0946503	-0.12553978	1812.185425	118.1397018	-0.075080872	1812.140381	118.5341187	-0.27811861	1813.555908	118.4844818
4:09:43 PM	1449.916382	2	0	118.1008072	-0.124390602	1812.179199	118.1606293	-0.096004486	1812.119385	118.5233612	-0.267356873	1813.56665	118.4823761
4:10:44 PM	1450.920166	2	0	118.0957031	-0.120340347	1812.184326	118.1479721	-0.084312439	1812.13208	118.5221939	-0.266188145	1813.567749	118.4812012
4:11:44 PM	1451.922852	2	0	118.1071854	-0.133938789	1812.172852	118.1447144	-0.083259583	1812.135254	118.5211411	-0.265135765	1813.568848	118.4801483
4:12:44 PM	1452.926758	2	0	118.1092072	-0.119194984	1812.170776	118.1542511	-0.08335495	1812.125732	118.5254669	-0.269463539	1813.564453	118.4801483
4:13:44 PM	1453.921631	2	0	118.1092529	-0.132838249	1812.170776	118.1395111	-0.074886322	1812.140503	118.5254669	-0.269463539	1813.564453	118.4844818
4:14:44 PM	1454.930054	2	0	118.105072	-0.129710197	1812.174927	118.1427612	-0.079200745	1812.137207	118.5199661	-0.26291275	1813.569946	118.4833069
4:19:43 PM	1459.920044	2	0	118.0831299	-0.118276596	1812.196899	118.1428833	-0.089824677	1812.137207	118.5179825	-0.263029575	1813.572021	118.4856415
4:24:44 PM	1464.925049	2	0	118.0915298	-0.11510849	1812.188477	118.1508865	-0.086261749	1812.12915	118.5179825	-0.261977196	1813.572021	118.4769897
4:29:43 PM	1469.918091	2	0	118.0873108	-0.119255066	1812.192749	118.1392365	-0.090339661	1812.140747	118.5137711	-0.257766247	1813.576172	118.4771118
4:34:45 PM	1474.926025	2	0	118.1030579	-0.135037422	1812.177002	118.1552048	-0.084312439	1812.124878	118.5275726	-0.271567822	1813.562378	118.4909058
4:39:44 PM	1479.921875	2	0	118.0976944	-0.122330666	1812.182373	118.1425476	-0.078979492	1812.137451	118.5225372	-0.266535759	1813.567383	118.4815445
4:44:44 PM	1484.911499	2	0	118.1051712	-0.137150764	1812.174805	118.1499252	-0.101028442	1812.130127	118.5299072	-0.273905754	1813.560059	118.4889145
4:49:44 PM	1489.914795	2	0	118.1093445	-0.141328812	1812.170654	118.1539536	-0.090488434	1812.126099	118.5298004	-0.273795605	1813.560181	118.4974594
4:54:43 PM	1494.910156	2	0	118.115593	-0.141283989	1812.164429	118.1529999	-0.090488434	1812.127075	118.5298004	-0.272743225	1813.560181	118.4974594

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	MW30A_DW	MW30A_WLD	MW30A_WLE	MW30C_DW	MW30C_WLD	MW30C_WLE	MW47B_DW	MW47B_WLD	MW47B_WLE	MW47C_DW
4:59:44 PM	1499.914063	2	0	118.1196365	-0.136969566	1812.1604	118.1719208	-0.108360291	1812.108154	118.5385666	-0.282560825	1813.551392	118.4932404
5:29:44 PM	1529.903442	2	0	118.1312637	-0.155902863	1812.148804	118.1753998	-0.11183548	1812.104614	118.5310822	-0.275081158	1813.558838	118.4987488
5:59:44 PM	1559.893066	2	0	118.1416397	-0.166277885	1812.138428	118.1858215	-0.122261047	1812.094238	118.5398483	-0.283846378	1813.550171	118.507515
6:29:44 PM	1589.893799	2	0	118.1352615	-0.159902573	1812.144775	118.1865387	-0.122974396	1812.093506	118.5421906	-0.286188602	1813.547729	118.5098495
6:59:45 PM	1619.890015	2	0	118.1467972	-0.171435356	1812.133179	118.197937	-0.134376526	1812.082031	118.5520172	-0.296010017	1813.537964	118.5196838
7:29:44 PM	1649.880737	2	0	118.1613159	-0.171298981	1812.118652	118.2052765	-0.141708374	1812.074707	118.5476913	-0.291687012	1813.542236	118.5240097
7:59:43 PM	1679.861572	2	0	118.1603088	-0.170291901	1812.119751	118.2260895	-0.162521362	1812.053955	118.5552902	-0.29929018	1813.534668	118.5272827
8:29:45 PM	1709.868408	2	0	118.1728821	-0.204824448	1812.107178	118.2312622	-0.167697906	1812.048828	118.5605545	-0.304553032	1813.529419	118.5282211
8:59:44 PM	1739.851074	2	0	118.1885834	-0.213219643	1812.091431	118.2396088	-0.176044464	1812.040405	118.5776367	-0.321632385	1813.512329	118.5323181
9:59:44 PM	1799.836304	2	0	118.2300415	-0.254682541	1812.050049	118.2811432	-0.217578888	1811.998901	118.6165924	-0.360585213	1813.473389	118.5409775
10:59:44 PM	1859.818359	2	0	118.2647705	-0.273705482	1812.015259	118.3231354	-0.258518219	1811.956909	118.5779953	-0.321993351	1813.511963	118.5456619
11:59:44 PM	1919.803711	2	0	118.2575073	-0.275855064	1812.022461	118.359726	-0.289878845	1811.920288	118.5258255	-0.269824505	1813.564087	118.5584106
12:59:45 AM	1979.797607	2	0	118.2282104	-0.260193825	1812.051758	118.3522949	-0.296062469	1811.927734	118.4912109	-0.235203743	1813.598755	118.5540771
1:59:43 AM	2039.77356	2	0	118.2304001	-0.2550354	1812.049683	118.3397293	-0.276165009	1811.940308	118.4747086	-0.218708038	1813.615234	118.5462494
2:59:44 AM	2099.759766	2	0	118.2125244	-0.237208366	1812.067505	118.3365631	-0.273002625	1811.943481	118.4560013	-0.199995518	1813.633911	118.5318604
3:59:43 AM	2159.744141	2	0	118.2052536	-0.222584724	1812.074829	118.3440094	-0.273105621	1811.936035	118.4447708	-0.193096638	1813.645142	118.5206299
4:59:45 AM	2219.739258	2	0	118.2000122	-0.224650383	1812.080078	118.3386841	-0.275119781	1811.941406	118.4209137	-0.164910316	1813.669067	118.5140839
5:59:44 AM	2279.722168	2	0	118.1737595	-0.19734478	1812.106323	118.33461	-0.269989014	1811.945435	118.3952942	-0.139288425	1813.694702	118.5057755
6:59:44 AM	2339.70459	2	0	118.1824493	-0.207091331	1812.097534	118.3291931	-0.265632629	1811.950806	118.4021912	-0.14619112	1813.687744	118.4910431
7:59:44 AM	2399.686035	2	0	118.1670456	-0.19168663	1812.113037	118.302536	-0.238967896	1811.977539	118.3942413	-0.138240337	1813.695679	118.4874115
8:59:45 AM	2459.682617	2	0	118.1448059	-0.169442177	1812.135254	118.2712402	-0.207580566	1812.008789	118.3832474	-0.127247334	1813.706665	118.4937286
9:59:43 AM	2519.654053	2	0	118.1080704	-0.1348629	1812.171997	118.2496033	-0.188148499	1812.030396	118.3693314	-0.113327026	1813.720581	118.4971237
10:59:44 AM	2579.649414	2	0	118.0996552	-0.124297142	1812.18042	118.2323914	-0.168830872	1812.047607	118.3648911	-0.108884811	1813.725098	118.4796982
11:59:44 AM	2639.639648	2	0	118.0967178	-0.120296478	1812.18335	118.214325	-0.149505615	1812.065674	118.3637161	-0.107714176	1813.726196	118.4741974
12:59:44 PM	2699.609863	2	0	118.0811005	-0.105739594	1812.198975	118.1984711	-0.134902954	1812.081543	118.3487473	-0.092743397	1813.741211	118.4722061
1:59:45 PM	2759.608643	2	0	118.0940475	-0.119737625	1812.186035	118.2113495	-0.148841858	1812.068726	118.3496857	-0.093678951	1813.740234	118.4601593
2:59:44 PM	2819.579102	2	0	118.0771942	-0.102889061	1812.202881	118.1797485	-0.117145538	1812.100342	118.3562317	-0.10022974	1813.733765	118.4537354
3:59:44 PM	2879.565918	2	0	118.0694809	-0.094116211	1812.210571	118.1649475	-0.101379395	1812.115112	118.358223	-0.102219582	1813.731689	118.4513931

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	MW47C_WLD	MW47C_WLE	MW49B_DW	MW49B_WLD	MW49B_WLE	MW49C_DW	MW49C_WLD	MW49C_WLE	MW49D_DW	MW49D_WLD
3:59:26 PM	8.425316811	0	43	-0.000349045	1813.706177	117.7881927	0.072166443	1813.671753	117.5078201	-0.005729675	1813.962158	117.4821548	-0.001405716
3:59:31 PM	0.082149997	1	43	-0.003276825	1813.702881	117.7860947	0.001051903	1813.673828	117.5057144	0.001050949	1813.964233	117.4800491	0.001052856
3:59:36 PM	0.165999994	1	43	-0.008655548	1813.69751	117.7871475	0	1813.672852	117.5024414	0.004322052	1813.967529	117.481102	0
3:59:41 PM	0.250099987	1	43	-0.00538063	1813.700806	117.8184891	-0.031345367	1813.641479	117.5034943	0.003271103	1813.966431	117.4821548	-0.001050949
3:59:46 PM	0.333600014	1	43	-0.004327774	1813.701904	117.8823547	-0.095211506	1813.577637	117.5067673	0	1813.963257	117.481102	0
3:59:50 PM	0.401016653	1	43	-0.003276825	1813.702881	117.9645844	-0.176387787	1813.495361	117.5067673	0.001050949	1813.963257	117.481102	0.001052856
3:59:55 PM	0.485016674	1	43	-0.003276825	1813.701904	118.1549988	-0.275922298	1813.304932	117.5067673	-0.00328064	1813.963257	117.481102	-0.003271103
4:00:01 PM	0.569716692	1	43	-0.004327774	1813.701904	118.2415619	-0.454414368	1813.218384	117.5067673	0	1813.963257	117.481102	0
4:00:06 PM	0.654016674	1	43	-0.004327774	1813.701904	118.3248367	-0.537694931	1813.135132	117.5078201	-0.001052856	1813.962158	117.4821548	-0.001050949
4:00:11 PM	0.738250017	1	43	-0.004327774	1813.701904	118.3930359	-0.605888367	1813.066895	117.5067673	0	1813.963257	117.481102	0
4:00:16 PM	0.822149992	1	43	-0.003276825	1813.702881	118.5228653	-0.735720634	1812.937134	117.5067673	0	1813.963257	117.481102	0
4:00:21 PM	0.906766653	1	43	-0.00538063	1813.700806	118.5747986	-0.787651539	1812.885132	117.5067673	0	1813.963257	117.481102	0
4:00:26 PM	0.990916669	1	43	-0.00538063	1813.700806	118.6245041	-0.837359428	1812.835449	117.508873	-0.002105713	1813.96106	117.4832077	-0.002103806
4:00:31 PM	1.074733377	1	43	-0.00538063	1813.700806	118.701355	-0.914212704	1812.758545	117.5078201	-0.001052856	1813.962158	117.4864807	-0.005374908
4:00:36 PM	1.159033298	1	43	-0.007604599	1813.698608	118.7252121	-0.938069344	1812.734741	117.5057144	0.001050949	1813.964233	117.4800491	0.001052856
4:00:41 PM	1.242583275	1	43	-0.007604599	1813.698608	118.7511826	-0.964039326	1812.70874	117.5057144	0.001050949	1813.964233	117.4800491	0.001052856
4:00:46 PM	1.327300072	1	43	-0.003276825	1813.702881	118.7771454	-0.990005016	1812.682861	117.5013885	0.005374908	1813.968628	117.484375	-0.003271103
4:00:51 PM	1.412150025	1	43	-0.002222061	1813.703979	118.8107224	-1.023575306	1812.649292	117.5046616	0.002105713	1813.965332	117.4789963	0.00210762
4:00:56 PM	1.496216655	1	43	-0.002222061	1813.703979	118.8280334	-1.040885925	1812.631958	117.5003357	0.006429672	1813.969604	117.4833221	-0.002216339
4:01:01 PM	1.580383301	1	43	-0.002222061	1813.703979	118.8366776	-1.049536705	1812.623291	117.5046616	0.002105713	1813.965332	117.4833221	-0.002216339
4:01:06 PM	1.664333344	1	43	-0.003276825	1813.702881	118.8463898	-1.059246063	1812.613525	117.5057144	0.001050949	1813.964233	117.484375	-0.003271103
4:01:11 PM	1.74816668	1	43	0	1813.706177	118.8647537	-1.077612877	1812.595215	117.5067673	0	1813.963257	117.481102	0
4:01:16 PM	1.832266688	1	43	-0.004327774	1813.701904	118.8690872	-1.081940651	1812.59082	117.5067673	0	1813.963257	117.4854279	-0.004322052
4:01:21 PM	1.916100025	1	43	-0.003276825	1813.702881	118.8723602	-1.085216045	1812.587646	117.5057144	0.001050949	1813.964233	117.4800491	0.001052856
4:01:26 PM	1.999899983	1	43	0.006433487	1813.712646	118.8756332	-1.088489532	1812.584351	117.5003357	0.006429672	1813.969604	117.4789963	0.00210762
4:01:31 PM	2.083899975	1	43	0.001050949	1813.702881	118.8853455	-1.098198891	1812.574585	117.5013885	0.005374908	1813.968628	117.4800491	0.001052856
4:01:36 PM	2.168016672	1	43	-0.002222061	1813.703979	118.8842926	-1.097144604	1812.575684	117.5003357	0.006429672	1813.969604	117.4833221	-0.002216339
4:01:41 PM	2.252033234	1	43	0.002105713	1813.708252	118.8842926	-1.097144604	1812.575684	117.5046616	0.002105713	1813.965332	117.4833221	-0.002216339
4:01:47 PM	2.335900068	1	43	0.001050949	1813.707275	118.8896713	-1.102526665	1812.570313	117.5057144	0.001050949	1813.964233	117.484375	-0.003271103
4:01:52 PM	2.420533419	1	43	-0.001167297	1813.704956	118.887558	-1.100417614	1812.572388	117.5079346	-0.001171112	1813.962036	117.4779358	0.003162384
4:01:57 PM	2.504616737	1	43	0.001050949	1813.707275	118.8853455	-1.098198891	1812.574585	117.5013885	0.005374908	1813.968628	117.484375	-0.003271103
4:02:02 PM	2.588799953	1	43	-0.004327774	1813.701904	118.8831177	-1.095975399	1812.576904	117.5078201	-0.001052856	1813.962158	117.4821548	-0.001050949
4:02:07 PM	2.67264986	1	43	-0.004327774	1813.701904	118.8907242	-1.103578568	1812.569214	117.5111008	-0.004333496	1813.958862	117.4854279	-0.004322052
4:02:12 PM	2.756516695	1	43	-0.002222061	1813.703979	118.8842926	-1.097144604	1812.575684	117.5003357	0.006429672	1813.969604	117.487648	-0.006547928
4:02:17 PM	2.840916634	1	43	-0.007604599	1813.698608	118.881012	-1.093871117	1812.578979	117.5100479	-0.00328064	1813.959961	117.484375	-0.003271103
4:02:22 PM	2.924649954	1	43	0	1813.706177	118.8734131	-1.086268425	1812.586548	117.5024414	0.004322052	1813.967529	117.4854279	-0.004322052
4:02:26 PM	2.992150068	1	43	-0.004327774	1813.701904	118.8690872	-1.081940651	1812.59082	117.5067673	0	1813.963257	117.4854279	-0.004322052
4:02:31 PM	3.075750113	1	43	0	1813.706177	118.8647537	-1.077612877	1812.595215	117.5067673	0	1813.963257	117.4897537	-0.008653641
4:02:36 PM	3.159433365	1	43	0	1813.706177	118.8647537	-1.077612877	1812.595215	117.5067673	0	1813.963257	117.4854279	-0.004322052
4:02:41 PM	3.243716717	1	43	-0.004327774	1813.701904	118.8560944	-1.068953514	1812.603882	117.5067673	0	1813.963257	117.481102	0
4:02:46 PM	3.327533245	1	43	0	1813.706177	118.8560944	-1.068953514	1812.603882	117.5067673	0	1813.963257	117.4854279	-0.004322052
4:02:51 PM	3.411616564	1	43	-0.003276825	1813.702881	118.8463898	-1.059246063	1812.613525	117.5057144	0.001050949	1813.964233	117.484375	-0.003271103
4:02:57 PM	3.506383419	1	43	-0.002222061	1813.703979	118.8453369	-1.058191776	1812.614624	117.5046616	0.002105713	1813.965332	117.4833221	-0.002216339
4:03:01 PM	3.58188343	1	43	-0.003276825	1813.702881	118.8323517	-1.046263218	1812.627563	117.5046616	0.001050949	1813.965332	117.4833221	-0.003271103
4:03:06 PM	3.66566658	1	43	-0.008655548	1813.69751	118.8247528	-1.047315598	1812.635254	117.5057144	0	1813.964233	117.484375	-0.004322052
4:03:11 PM	3.749583244	1	43	0.002105713	1813.708252	118.8247528	-1.03655386	1812.635254	117.5013885	0.002105713	1813.968628	117.4887085	-0.006547928

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	MW47C_WLD	MW47C_WLE	MW49B_DW	MW49B_WLD	MW49B_WLE	MW49C_DW	MW49C_WLD	MW49C_WLE	MW49D_DW	MW49D_WLD
4:03:16 PM	3.83373332	1	43	-0.003276825	1813.702881	118.8204269	-1.034337044	1812.639526	117.5100479	-0.004333496	1813.959961	117.484375	-0.004322052
4:03:21 PM	3.917449951	1	43	-0.003276825	1813.702881	118.8150406	-1.028953075	1812.644897	117.5089951	-0.00328064	1813.960938	117.487648	-0.007602692
4:03:26 PM	4.000850201	1	43	-0.003276825	1813.702881	118.8074417	-1.020298004	1812.652466	117.5057144	0.001050949	1813.964233	117.484375	-0.003271103
4:03:31 PM	4.084983349	1	43	-0.002222061	1813.703979	118.8031158	-1.019243717	1812.65686	117.5057144	-0.002225876	1813.964233	117.484375	0.00210762
4:03:36 PM	4.168616772	1	43	-0.003276825	1813.702881	118.7944565	-1.007315159	1812.665527	117.5013885	0.005374908	1813.968628	117.484375	-0.003271103
4:03:42 PM	4.252699852	1	43	0.001050949	1813.707275	118.7911835	-1.004039764	1812.668823	117.5067673	0	1813.963257	117.4897537	-0.008653641
4:03:47 PM	4.336733341	1	43	0	1813.706177	118.7835846	-0.996436596	1812.676392	117.5121536	-0.005384445	1813.957764	117.4864807	-0.005374908
4:03:52 PM	4.420499802	1	43	-0.003276825	1813.702881	118.7771454	-0.990005016	1812.682861	117.5057144	0.001050949	1813.964233	117.4887085	-0.007602692
4:03:57 PM	4.504499912	1	43	-0.008655548	1813.69751	118.7738724	-0.986729622	1812.686035	117.5111008	-0.004333496	1813.958862	117.4854279	-0.004322052
4:04:02 PM	4.589149952	1	43	-0.006549835	1813.699585	118.7631149	-0.975967884	1812.696899	117.5046616	0.002105713	1813.965332	117.4833221	-0.002216339
4:04:07 PM	4.67266655	1	43	-0.002222061	1813.703979	118.7511826	-0.964039326	1812.70874	117.5057144	0.001050949	1813.964233	117.484375	-0.003271103
4:04:12 PM	4.756283283	1	43	-0.003276825	1813.702881	118.7468567	-0.959711552	1812.713135	117.5057144	0.001050949	1813.964233	117.4800491	0.001052856
4:04:17 PM	4.840650082	1	43	-0.003276825	1813.702881	118.7468567	-0.959711552	1812.713135	117.5057144	0.001050949	1813.964233	117.484375	-0.003271103
4:04:22 PM	4.924766541	1	43	-0.006549835	1813.699585	118.7371445	-0.950002193	1812.722778	117.5046616	0.002105713	1813.965332	117.4833221	-0.002216339
4:05:21 PM	5.916283131	1	43	-0.007604599	1813.698608	118.6603012	-0.873155594	1812.799683	117.5057144	0.001050949	1813.964233	117.484375	-0.003271103
4:06:22 PM	6.920016766	1	43	-0.007604599	1813.698608	118.6429901	-0.855845451	1812.817017	117.5057144	0.001050949	1813.964233	117.4887085	-0.007602692
4:07:22 PM	7.925983429	1	43	-0.005495071	1813.700684	118.6365509	-0.849408627	1812.823364	117.5079346	-0.001171112	1813.962036	117.4865952	-0.005493164
4:08:21 PM	8.917833328	1	43	-0.004442215	1813.701782	118.635498	-0.848356724	1812.824463	117.5025558	0.004211426	1813.967407	117.4812088	-0.000108719
4:09:22 PM	9.926549911	1	43	-0.000114441	1813.706055	118.6408844	-0.853736401	1812.819092	117.5036087	0.003160477	1813.966309	117.4865952	-0.005493164
4:10:21 PM	10.91880035	1	43	-0.000114441	1813.706055	118.6398315	-0.852684498	1812.820068	117.5025558	0.004211426	1813.967407	117.4768906	0.004213333
4:11:22 PM	11.92695045	1	43	0.002105713	1813.708252	118.6462631	-0.859118462	1812.813721	117.5046616	0.002105713	1813.965332	117.4833221	-0.002216339
4:12:21 PM	12.91763306	1	43	-0.002222061	1813.703979	118.650589	-0.863446236	1812.809326	117.5046616	0.002105713	1813.965332	117.4789963	0.00210762
4:13:22 PM	13.92504978	1	43	-0.004442215	1813.701782	118.6528091	-0.865666866	1812.807129	117.5025558	0.004211426	1813.967407	117.4855423	-0.004442215
4:14:21 PM	14.91636658	1	43	-0.007604599	1813.698608	118.6559753	-0.86882782	1812.803955	117.5100479	-0.00328064	1813.959961	117.484375	-0.003271103
4:19:21 PM	19.91898346	1	43	-0.002222061	1813.704956	118.6581879	-0.87104702	1812.801758	117.5036087	0.003160477	1813.966309	117.4779358	0.003162384
4:24:21 PM	24.91220093	1	43	-0.001167297	1813.704956	118.6711731	-0.884029388	1812.788818	117.5036087	0.003160477	1813.966309	117.4822617	-0.001161575
4:29:22 PM	29.92465019	1	43	-0.002222061	1813.703979	118.6765594	-0.889411449	1812.783447	117.5003357	0.006429672	1813.969604	117.4833221	-0.002216339
4:34:22 PM	34.91614914	1	43	-0.002338409	1813.703857	118.6896515	-0.90251112	1812.770264	117.5004501	0.006317139	1813.969482	117.4877625	-0.006660461
4:39:22 PM	39.91798401	1	43	-0.000234604	1813.705933	118.6918793	-0.904738426	1812.768066	117.5070038	-0.000234604	1813.963013	117.477005	0.004098892
4:44:22 PM	44.92073441	1	43	-0.001285553	1813.704834	118.7015915	-0.914445877	1812.758423	117.5037308	0.003036499	1813.966187	117.4823914	-0.001285553
4:49:21 PM	49.9080658	1	43	0.00082016	1813.707031	118.7081375	-0.920994759	1812.751831	117.5016251	0.005144119	1813.968384	117.480278	0.000822067
4:54:21 PM	54.90641785	1	43	-0.000234604	1813.705933	118.7091904	-0.922049046	1812.750732	117.5026779	0.004089355	1813.967285	117.4813385	-0.000232697
4:59:21 PM	59.90963364	1	43	0.001874924	1813.708008	118.7070847	-0.919939995	1812.75293	117.5005722	0.006196976	1813.96936	117.4792252	0.001876831
5:29:22 PM	89.90814972	1	43	0.002807617	1813.708984	118.7277832	-0.94064045	1812.732178	117.4953079	0.011459351	1813.974609	117.4739685	0.007137299
5:59:22 PM	119.9041672	1	43	0.008190155	1813.714355	118.7527008	-0.965556145	1812.707275	117.4899216	0.016845703	1813.980103	117.472908	0.008192062
6:29:22 PM	149.8851166	1	43	0.009244919	1813.715454	118.7732849	-0.986139297	1812.686646	117.4888687	0.01789856	1813.981079	117.4718552	0.009244919
6:59:21 PM	179.8807526	1	43	0.00702095	1813.713135	118.7841644	-0.99701786	1812.675781	117.4954224	0.011348724	1813.974609	117.4740753	0.007026672
7:29:21 PM	209.871048	1	43	0.011348724	1813.717529	118.8014755	-1.014332771	1812.658447	117.4910965	0.015672684	1813.978882	117.4697495	0.011350632
7:59:22 PM	239.8676453	1	43	0.009124756	1813.715332	118.8080292	-1.02088356	1812.651978	117.4889908	0.017776489	1813.980957	117.4719696	0.009130478
8:29:22 PM	269.8642273	1	43	0.012401581	1813.718628	118.8220596	-1.034918308	1812.637939	117.4813843	0.025379181	1813.988525	117.4687042	0.012401581
8:59:22 PM	299.8516541	1	43	0.015676498	1813.721802	118.8360901	-1.048948765	1812.623901	117.486763	0.020004272	1813.983154	117.4610977	0.02000618
9:59:21 PM	359.834259	1	43	0.017780304	1813.723999	118.8383179	-1.051176548	1812.621582	117.4846573	0.022108078	1813.985352	117.4633179	0.017786026
10:59:22 PM	419.8253174	1	43	0.020940781	1813.727051	118.8524704	-1.065325737	1812.607544	117.4858322	0.020936966	1813.984131	117.4644852	0.016614914
11:59:22 PM	479.8086243	1	43	0.018602371	1813.729126	118.8591385	-1.071993351	1812.60083	117.4795151	0.031583786	1813.990479	117.4581757	0.022930145
12:59:22 AM	539.7944336	1	43	0.031234741	1813.737427	118.8541031	-1.066961288	1812.605835	117.4658279	0.040939331	1814.00415	117.4488068	0.032295227
1:59:22 AM	599.7810669	1	43	0.052408218	1813.758545	118.8642807	-1.077139854	1812.595703	117.4500351	0.05673027	1814.019897	117.4330139	0.048086166

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	MW47C_WLD	MW47C_WLE	MW49B_DW	MW49B_WLD	MW49B_WLE	MW49C_DW	MW49C_WLD	MW49C_WLE	MW49D_DW	MW49D_WLD
2:59:21 AM	659.7606812	1	43	0.070421219	1813.775513	118.8862686	-1.09807539	1812.57373	117.4374008	0.066093445	1814.032593	117.4203796	0.057443619
3:59:22 AM	719.7507935	1	43	0.067029953	1813.774292	118.9091949	-1.122051239	1812.550781	117.4300385	0.076732635	1814.039917	117.4173431	0.063760757
4:59:23 AM	779.7385864	1	43	0.063287735	1813.769409	118.9269714	-1.139828205	1812.532959	117.4348297	0.071939468	1814.035156	117.4178085	0.063293457
5:59:22 AM	839.7148438	1	43	0.058498383	1813.764648	118.9447479	-1.15760088	1812.515259	117.4482727	0.058494568	1814.021729	117.4312592	0.049844742
6:59:23 AM	899.7128296	1	43	0.028903961	1813.735107	118.965683	-1.178541183	1812.494263	117.4648819	0.041885376	1814.005127	117.4521942	0.028909683
7:59:22 AM	959.6920776	1	43	0.013465881	1813.719604	118.9811249	-1.193982601	1812.478882	117.4846497	0.022117615	1813.985352	117.4676285	0.013471603
8:59:22 AM	1019.672424	1	43	-0.012966156	1813.692139	119.0032349	-1.216086864	1812.456787	117.5110779	-0.004310608	1813.958862	117.4897385	-0.008636475
9:59:22 AM	1079.663452	1	43	-0.028871536	1813.677246	119.0234604	-1.236316204	1812.436523	117.5226593	-0.015893936	1813.947266	117.5056381	-0.02453804
10:59:22 AM	1139.64563	1	43	-0.043373108	1813.662842	119.055275	-1.268128395	1812.404663	117.5458221	-0.039051056	1813.924194	117.5201416	-0.039039612
11:59:23 AM	1199.629761	1	43	-0.067234039	1813.638916	119.0910645	-1.303924084	1812.368896	117.559967	-0.053203583	1813.910034	117.5472794	-0.066177368
12:59:22 PM	1259.614258	1	43	-0.075418472	1813.630737	119.1003036	-1.313160419	1812.359619	117.5692062	-0.062440872	1813.900757	117.5478668	-0.066762924
1:59:23 PM	1319.606079	1	43	-0.0909729	1813.615234	119.1331711	-1.346029282	1812.326782	117.5934143	-0.086648941	1813.876587	117.567749	-0.086643219
2:59:22 PM	1379.590454	1	43	-0.103488922	1813.601685	119.1553955	-1.362868309	1812.304565	117.6026535	-0.094833374	1813.86731	117.5899658	-0.107814789
3:59:23 PM	1439.581055	1	43	-0.099508286	1813.607666	119.1752777	-1.389181614	1812.284668	117.6052246	-0.099514008	1813.864746	117.5838852	-0.103834152
3:59:47 PM	1439.983521	1	43	-0.090976715	1813.615234	119.1677856	-1.380645275	1812.292236	117.6020737	-0.095304489	1813.86792	117.5850525	-0.103954315
3:59:52 PM	1440.067017	2	0	-0.096351624	1813.609863	119.1645126	-1.377369881	1812.29541	117.6074524	-0.10068512	1813.862549	117.5861053	-0.105005264
3:59:57 PM	1440.151123	2	0	-0.096351624	1813.606689	119.1460342	-1.355731964	1812.313965	117.5976257	-0.096357346	1813.872314	117.584938	-0.105005264
4:00:02 PM	1440.234497	2	0	-0.10267067	1813.603516	119.12323	-1.336083889	1812.33667	117.6051178	-0.09834671	1813.864868	117.5837708	-0.102668762
4:00:08 PM	1440.318359	2	0	-0.103721619	1813.602417	119.089653	-1.302511215	1812.370361	117.6104965	-0.103727341	1813.859497	117.5934753	-0.112375259
4:00:13 PM	1440.401855	2	0	-0.099399567	1813.606812	119.0117569	-1.22461462	1812.448242	117.6104965	-0.103727341	1813.859497	117.5934753	-0.112375259
4:00:18 PM	1440.485352	2	0	-0.10267067	1813.603516	119.010704	-1.223562241	1812.449219	117.6094437	-0.102674484	1813.860474	117.5924225	-0.11132431
4:00:23 PM	1440.568726	2	0	-0.105825424	1813.600342	118.9446182	-1.157473087	1812.515381	117.6125946	-0.105831146	1813.857422	117.5912552	-0.110153198
4:00:28 PM	1440.6521	2	0	-0.101615906	1813.604492	118.9101105	-1.122969151	1812.549805	117.6083832	-0.10161972	1813.861572	117.5913696	-0.110269547
4:00:33 PM	1440.736084	2	0	-0.099508286	1813.606689	118.8474197	-1.060276508	1812.612549	117.6062775	-0.099514008	1813.863647	117.5935898	-0.1124897
4:00:38 PM	1440.819458	2	0	-0.095186234	1813.610962	118.8214493	-1.034306526	1812.63855	117.6062775	-0.099514008	1813.863647	117.5892639	-0.108161926
4:00:43 PM	1440.90332	2	0	-0.096240997	1813.609985	118.7965393	-1.009395123	1812.663452	117.6073303	-0.100566864	1813.862671	117.5859909	-0.104888916
4:00:48 PM	1440.987061	2	0	-0.093080521	1813.613037	118.776062	-0.988921642	1812.683838	117.6041718	-0.097408295	1813.865845	117.5828323	-0.101730347
4:00:53 PM	1441.070435	2	0	-0.098457336	1813.607666	118.7554779	-0.968336105	1812.704468	117.6052246	-0.098461151	1813.864746	117.5838852	-0.102783203
4:00:58 PM	1441.154297	2	0	-0.100563049	1813.605591	118.7186356	-0.931494236	1812.741333	117.6116638	-0.104894638	1813.858276	117.5903168	-0.10921669
4:01:03 PM	1441.238037	2	0	-0.103721619	1813.602417	118.7088089	-0.921666145	1812.751099	117.6104965	-0.103727341	1813.859497	117.5848236	-0.103719711
4:01:08 PM	1441.321533	2	0	-0.100450516	1813.605713	118.6968842	-0.909739971	1812.763062	117.6115417	-0.10477829	1813.858398	117.5902023	-0.109100342
4:01:13 PM	1441.405151	2	0	-0.099399567	1813.606812	118.6785202	-0.891372681	1812.781494	117.6104965	-0.103727341	1813.859497	117.5978088	-0.116703033
4:01:18 PM	1441.488525	2	0	-0.104774475	1813.60144	118.662262	-0.875114441	1812.797729	117.6115417	-0.10477829	1813.858398	117.5945282	-0.113428116
4:01:23 PM	1441.57251	2	0	-0.10267067	1813.603516	118.647171	-0.860027313	1812.812744	117.6051178	-0.09834671	1813.864868	117.5924225	-0.11132431
4:01:28 PM	1441.656006	2	0	-0.099508286	1813.606689	118.6353531	-0.848211288	1812.824585	117.6019516	-0.095186234	1813.868042	117.5806122	-0.099508286
4:01:33 PM	1441.73938	2	0	-0.10068512	1813.605469	118.6224899	-0.835347652	1812.837524	117.5977478	-0.090976715	1813.872192	117.5807266	-0.099626541
4:01:38 PM	1441.822876	2	0	-0.099508286	1813.606689	118.6050644	-0.817918301	1812.854858	117.6019516	-0.095186234	1813.868042	117.584938	-0.103834152
4:01:43 PM	1441.906738	2	0	-0.102788925	1813.603394	118.5996857	-0.812538624	1812.860229	117.6052246	-0.098461151	1813.864746	117.5925446	-0.111438751
4:01:48 PM	1441.990234	2	0	-0.100563049	1813.605591	118.5985107	-0.811369896	1812.86145	117.6127167	-0.105947495	1813.8573	117.5957031	-0.114597321
4:01:53 PM	1442.07373	2	0	-0.10267067	1813.603516	118.5822601	-0.795113564	1812.877686	117.6051178	-0.09834671	1813.864868	117.5880966	-0.106996536
4:01:58 PM	1442.157349	2	0	-0.101615906	1813.604492	118.5682144	-0.78107214	1812.891724	117.5954056	-0.088636398	1813.874512	117.5783844	-0.097286224
4:02:03 PM	1442.240967	2	0	-0.107002258	1813.599121	118.5649414	-0.777799129	1812.89502	117.6051178	-0.09834671	1813.864868	117.5837708	-0.102668762
4:02:08 PM	1442.324951	2	0	-0.103721619	1813.602417	118.561676	-0.774528027	1812.898315	117.6061707	-0.099399567	1813.86377	117.5934753	-0.112375259
4:02:13 PM	1442.408691	2	0	-0.103721619	1813.60144	118.5573425	-0.770195961	1812.902588	117.6104965	-0.103727341	1813.859497	117.5891495	-0.108047485
4:02:18 PM	1442.49231	2	0	-0.104774475	1813.60144	118.5583954	-0.771248341	1812.901611	117.6202011	-0.113433838	1813.849731	117.5945282	-0.113428116
4:02:23 PM	1442.575928	2	0	-0.109106064	1813.598145	118.5443649	-0.757217407	1812.915649	117.6148224	-0.108053207	1813.855103	117.5934753	-0.112375259

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	MW47C_WLD	MW47C_WLE	MW49B_DW	MW49B_WLD	MW49B_WLE	MW49C_DW	MW49C_WLD	MW49C_WLE	MW49D_DW	MW49D_WLD
4:02:28 PM	1442.65979	2	0	-0.107002258	1813.599121	118.5379257	-0.750779152	1812.921997	117.6083832	-0.10161972	1813.861572	117.5957031	-0.114597321
4:02:33 PM	1442.743042	2	0	-0.105947495	1813.601318	118.5335922	-0.746451378	1812.926392	117.6040573	-0.097291946	1813.865967	117.5913696	-0.110269547
4:02:38 PM	1442.827148	2	0	-0.105947495	1813.60022	118.5206146	-0.733468533	1812.939331	117.6083832	-0.10161972	1813.861572	117.5870438	-0.105941772
4:02:43 PM	1442.910889	2	0	-0.101615906	1813.606689	118.5098495	-0.722706795	1812.950073	117.6019516	-0.095186234	1813.868042	117.5892639	-0.108161926
4:02:48 PM	1442.994263	2	0	-0.100563049	1813.61084	118.5077438	-0.722706795	1812.952271	117.6041718	-0.099514008	1813.865845	117.5871582	-0.108161926
4:02:53 PM	1443.078125	2	0	-0.091087341	1813.614014	118.4981537	-0.714285374	1812.961792	117.5945816	-0.091091156	1813.875366	117.5818939	-0.099740982
4:02:58 PM	1443.161865	2	0	-0.09740448	1813.608765	118.4990921	-0.710895061	1812.960815	117.5998459	-0.092029572	1813.870117	117.5914917	-0.109333038
4:03:03 PM	1443.245361	2	0	-0.093193054	1813.611938	118.4862289	-0.699081421	1812.973755	117.5956421	-0.088871002	1813.874268	117.5786209	-0.097518921
4:03:08 PM	1443.328857	2	0	-0.099632263	1813.61084	118.4840012	-0.696860313	1812.975952	117.5977478	-0.090976715	1813.872192	117.5807266	-0.099626541
4:03:13 PM	1443.412598	2	0	-0.098457336	1813.607666	118.478508	-0.695689201	1812.981445	117.6008987	-0.098461151	1813.869019	117.5838852	-0.107110977
4:03:18 PM	1443.496338	2	0	-0.099508286	1813.603394	118.4838867	-0.696741581	1812.976074	117.6062775	-0.099514008	1813.863647	117.5892639	-0.108161926
4:03:23 PM	1443.580078	2	0	-0.098457336	1813.608765	118.481781	-0.695689201	1812.978149	117.6041718	-0.098461151	1813.865845	117.5871582	-0.107110977
4:03:28 PM	1443.66394	2	0	-0.099508286	1813.606689	118.4882126	-0.701068878	1812.971802	117.610611	-0.103841782	1813.859375	117.5935898	-0.1124897
4:03:33 PM	1443.747925	2	0	-0.099508286	1813.610962	118.4752274	-0.692413807	1812.984741	117.6062775	-0.095186234	1813.863647	117.5935898	-0.108161926
4:03:38 PM	1443.831177	2	0	-0.099508286	1813.605591	118.4676285	-0.679430962	1812.99231	117.5986786	-0.090858459	1813.871338	117.5859909	-0.103834152
4:03:43 PM	1443.915161	2	0	-0.097291946	1813.608887	118.4697342	-0.681537628	1812.990234	117.6094437	-0.10161972	1813.860474	117.5880966	-0.105941772
4:03:48 PM	1443.999268	2	0	-0.094133377	1813.610962	118.4655228	-0.680485725	1812.994385	117.6052246	-0.100566864	1813.864746	117.5882111	-0.10921669
4:03:53 PM	1444.082886	2	0	-0.100563049	1813.601318	118.4676285	-0.680485725	1812.99231	117.6073303	-0.096240997	1813.862671	117.5946503	-0.10921669
4:03:58 PM	1444.166748	2	0	-0.098457336	1813.607666	118.4525375	-0.666443825	1813.007446	117.6052246	-0.099514008	1813.864746	117.5838852	-0.103834152
4:04:03 PM	1444.250488	2	0	-0.096351624	1813.61084	118.449379	-0.66328764	1813.01062	117.5977478	-0.092029572	1813.872192	117.5764008	-0.096351624
4:04:08 PM	1444.334351	2	0	-0.090976715	1813.615234	118.4450531	-0.66223526	1813.014893	117.5977478	-0.090976715	1813.872192	117.5807266	-0.103954315
4:04:13 PM	1444.417969	2	0	-0.099508286	1813.606689	118.4503174	-0.662120819	1813.009644	117.6030121	-0.095186234	1813.866943	117.5859909	-0.103834152
4:04:18 PM	1444.501587	2	0	-0.095186234	1813.612061	118.4395523	-0.653460979	1813.020386	117.6008987	-0.095186234	1813.869019	117.5838852	-0.103834152
4:04:24 PM	1444.585327	2	0	-0.101736069	1813.604492	118.4384995	-0.651356697	1813.021484	117.5998459	-0.093080521	1813.870117	117.574173	-0.093074799
4:04:29 PM	1444.669312	2	0	-0.098457336	1813.607666	118.4352264	-0.648086071	1813.02478	117.6052246	-0.098461151	1813.864746	117.5838852	-0.102783203
4:04:34 PM	1444.752686	2	0	-0.098457336	1813.607666	118.4362793	-0.649137974	1813.023682	117.6062775	-0.099514008	1813.863647	117.584938	-0.103834152
4:04:39 PM	1444.837036	2	0	-0.096351624	1813.609863	118.4320755	-0.644929409	1813.027832	117.6020737	-0.095304489	1813.86792	117.5807266	-0.099626541
4:04:44 PM	1444.920898	2	0	-0.102788925	1813.603394	118.4309006	-0.643754005	1813.029053	117.6052246	-0.098461151	1813.864746	117.5838852	-0.102783203
4:05:44 PM	1445.926514	2	0	-0.09740448	1813.607666	118.4049301	-0.617788315	1813.055054	117.6008987	-0.094133377	1813.869019	117.5795593	-0.098455429
4:06:43 PM	1446.916626	2	0	-0.098457336	1813.606689	118.3886719	-0.600478172	1813.071289	117.6062775	-0.098461151	1813.863647	117.5892639	-0.107110977
4:07:44 PM	1447.921753	2	0	-0.093193054	1813.613037	118.37043	-0.583284378	1813.089478	117.6053467	-0.098577499	1813.864624	117.5839996	-0.102899551
4:08:44 PM	1448.928345	2	0	-0.10068512	1813.605469	118.3628311	-0.575683594	1813.097168	117.6020737	-0.095304489	1813.86792	117.589386	-0.108282089
4:09:43 PM	1449.916382	2	0	-0.098577499	1813.607544	118.348793	-0.561646461	1813.111206	117.6010132	-0.094249725	1813.868896	117.5839996	-0.102899551
4:10:44 PM	1450.920166	2	0	-0.09740448	1813.608765	118.3389587	-0.551817894	1813.120972	117.6085052	-0.101736069	1813.86145	117.5914917	-0.110385895
4:11:44 PM	1451.922852	2	0	-0.096351624	1813.609863	118.3335876	-0.546442509	1813.126343	117.6117783	-0.105012894	1813.858154	117.5817795	-0.100679398
4:12:44 PM	1452.926758	2	0	-0.096351624	1813.609863	118.3292542	-0.542110443	1813.130737	117.6074524	-0.10068512	1813.862549	117.5817795	-0.100679398
4:13:44 PM	1453.921631	2	0	-0.10068512	1813.605469	118.3206024	-0.533455372	1813.139404	117.6117783	-0.105012894	1813.858154	117.5861053	-0.105005264
4:14:44 PM	1454.930054	2	0	-0.098457336	1813.606689	118.3151093	-0.525856972	1813.144897	117.6149368	-0.106063843	1813.85498	117.5892639	-0.106058121
4:19:43 PM	1459.920044	2	0	-0.102901459	1813.60437	118.2871475	-0.501055717	1813.172852	117.6042938	-0.098577499	1813.865723	117.5829468	-0.102899551
4:24:44 PM	1464.925049	2	0	-0.093193054	1813.613037	118.2774353	-0.49029398	1813.182495	117.5989075	-0.092144012	1813.871094	117.5775681	-0.096466064
4:29:43 PM	1469.918091	2	0	-0.093315125	1813.612793	118.2699509	-0.48281002	1813.190063	117.6044083	-0.097642899	1813.865601	117.5787354	-0.097637177
4:34:45 PM	1474.926025	2	0	-0.107110977	1813.599121	118.2750931	-0.487951756	1813.184814	117.613884	-0.107116699	1813.856079	117.5968628	-0.115764618
4:39:44 PM	1479.921875	2	0	-0.097751617	1813.608398	118.2527542	-0.46560955	1813.207153	117.6001968	-0.093429565	1813.869751	117.5875092	-0.106405258
4:44:44 PM	1484.911499	2	0	-0.105121613	1813.601074	118.2601242	-0.472979069	1813.199829	117.6162186	-0.109453201	1813.85376	117.5905457	-0.109447479
4:49:44 PM	1489.914795	2	0	-0.11366272	1813.592529	118.2686691	-0.481524467	1813.191284	117.6247635	-0.117994308	1813.845215	117.5990906	-0.117988586
4:54:43 PM	1494.910156	2	0	-0.112609863	1813.592529	118.2600098	-0.471817017	1813.199951	117.6204376	-0.112615585	1813.849487	117.6077423	-0.125591278

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	MW47C_WLD	MW47C_WLE	MW49B_DW	MW49B_WLD	MW49B_WLE	MW49C_DW	MW49C_WLD	MW49C_WLE	MW49D_DW	MW49D_WLD
4:59:44 PM	1499.914063	2	0	-0.109449387	1813.59668	118.2514725	-0.464328289	1813.208496	117.6162186	-0.109453201	1813.85376	117.599205	-0.118103027
5:29:44 PM	1529.903442	2	0	-0.114952087	1813.591187	118.243988	-0.45684433	1813.215942	117.6303711	-0.123607635	1813.8396	117.6090317	-0.127929688
5:59:44 PM	1559.893066	2	0	-0.123718262	1813.582397	118.2311172	-0.443971634	1813.228882	117.6391449	-0.132377625	1813.830811	117.6177979	-0.136699677
6:29:44 PM	1589.893799	2	0	-0.126054764	1813.580078	118.2204742	-0.433331013	1813.239502	117.6371613	-0.130392075	1813.832764	117.6158142	-0.134714127
6:59:45 PM	1619.890015	2	0	-0.135885239	1813.570313	118.2129898	-0.425842285	1813.246948	117.6340027	-0.127235413	1813.835938	117.6169815	-0.135879517
7:29:44 PM	1649.880737	2	0	-0.140213013	1813.565918	118.2173157	-0.430174351	1813.242676	117.6469803	-0.140213013	1813.822998	117.6299667	-0.148862839
7:59:43 PM	1679.861572	2	0	-0.143489838	1813.562744	118.211937	-0.424790382	1813.248047	117.6459274	-0.139162064	1813.824097	117.6289139	-0.147809982
8:29:45 PM	1709.868408	2	0	-0.144424438	1813.561768	118.2085419	-0.421398163	1813.251465	117.6511917	-0.144424438	1813.818726	117.6341782	-0.153074265
8:59:44 PM	1739.851074	2	0	-0.148521423	1813.557617	118.2212982	-0.434154034	1813.238647	117.6552887	-0.152849197	1813.814697	117.6382751	-0.15284729
9:59:44 PM	1799.836304	2	0	-0.157180786	1813.54895	118.2602539	-0.473111153	1813.199707	117.6682816	-0.161512375	1813.801636	117.6555939	-0.174489975
10:59:44 PM	1859.818359	2	0	-0.161865234	1813.544312	118.2140579	-0.426912308	1813.24585	117.6740112	-0.167243958	1813.795898	117.6569977	-0.175897598
11:59:44 PM	1919.803711	2	0	-0.174613953	1813.531494	118.1521835	-0.365036011	1813.307739	117.6813812	-0.174613953	1813.788574	117.6643677	-0.183267593
12:59:45 AM	1979.797607	2	0	-0.170286179	1813.535889	118.1002502	-0.313105106	1813.359741	117.677063	-0.170291901	1813.792969	117.6600342	-0.178936005
1:59:43 AM	2039.77356	2	0	-0.16245079	1813.543701	118.0837555	-0.296609402	1813.376221	117.66922	-0.158123016	1813.800781	117.6478806	-0.166776657
2:59:44 AM	2099.759766	2	0	-0.148061752	1813.558105	118.0607147	-0.273569107	1813.399292	117.6634903	-0.156721115	1813.806519	117.6421432	-0.161043167
3:59:43 AM	2159.744141	2	0	-0.141162872	1813.569336	118.0451584	-0.258015156	1813.414795	117.6436005	-0.136835098	1813.826416	117.6309204	-0.149816513
4:59:45 AM	2219.739258	2	0	-0.130290985	1813.575928	118.0169678	-0.229824543	1813.442993	117.6413879	-0.134618759	1813.828613	117.6200409	-0.138940811
5:59:44 AM	2279.722168	2	0	-0.12197876	1813.584229	117.9826965	-0.195551395	1813.477295	117.6287537	-0.121982574	1813.841187	117.6074066	-0.126304626
6:59:44 AM	2339.70459	2	0	-0.107244492	1813.598877	117.9896011	-0.202454567	1813.470337	117.6183395	-0.111572266	1813.851685	117.6056519	-0.12455368
7:59:44 AM	2399.686035	2	0	-0.103620529	1813.602539	117.9816437	-0.194499493	1813.478271	117.6190491	-0.112279892	1813.850952	117.597702	-0.116601944
8:59:45 AM	2459.682617	2	0	-0.109937668	1813.596191	117.961998	-0.174851418	1813.497925	117.6167068	-0.109937668	1813.853271	117.5996857	-0.118587494
9:59:43 AM	2519.654053	2	0	-0.113328934	1813.592896	117.9437485	-0.156603336	1813.516235	117.6244202	-0.1176548	1813.845581	117.6030807	-0.121976852
10:59:44 AM	2579.649414	2	0	-0.095903397	1813.610229	117.9349823	-0.147838116	1813.525024	117.6026764	-0.095907211	1813.86731	117.5856552	-0.104553223
11:59:44 AM	2639.639648	2	0	-0.09040451	1813.615723	117.9381409	-0.150994301	1813.521851	117.6101532	-0.103387833	1813.859863	117.5844879	-0.103382111
12:59:44 PM	2699.609863	2	0	-0.088413239	1813.617798	117.9134521	-0.126309872	1813.546509	117.5941315	-0.087362289	1813.875854	117.5771179	-0.096012115
1:59:45 PM	2759.608643	2	0	-0.076364517	1813.629761	117.9154434	-0.12830019	1813.544556	117.5874634	-0.080698013	1813.882568	117.566124	-0.08502388
2:59:44 PM	2819.579102	2	0	-0.06993866	1813.63623	117.9176636	-0.130523205	1813.542236	117.5810318	-0.074264526	1813.888916	117.5640182	-0.082918167
3:59:44 PM	2879.565918	2	0	-0.067596436	1813.63855	117.9293671	-0.142220497	1813.53064	117.5840759	-0.077306747	1813.885864	117.5670624	-0.085956573

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	MW49D_WLE	MW50B_DW	MW50B_WLD	MW50B_WLE	MW50C_DW	MW50C_WLD	MW50C_WLE	MW50D_DW	MW50D_WLD	MW50D_WLE
3:59:26 PM	8.425316811	0	43	1813.977783	117.6215515	0	1813.888428	117.7852249	-0.004676819	1813.754761	117.6488342	-0.004676819	1813.811157
3:59:31 PM	0.082149997	1	43	1813.979858	117.6204987	0.001051903	1813.889526	117.7841721	0.001052856	1813.755859	117.6477814	0.001050949	1813.812134
3:59:36 PM	0.165999994	1	43	1813.978882	117.6258774	0	1813.884155	117.7852249	0.004323959	1813.754761	117.6445084	0.004327774	1813.81543
3:59:41 PM	0.250099987	1	43	1813.977783	117.6226044	-0.001051903	1813.887451	117.7862778	-0.001052856	1813.753784	117.6498871	-0.001052856	1813.810059
3:59:46 PM	0.333600014	1	43	1813.978882	117.6215515	0	1813.888428	117.7852249	0	1813.754761	117.6488342	0	1813.811157
3:59:50 PM	0.401016653	1	43	1813.978882	117.6215515	0.001051903	1813.888428	117.7895508	-0.003278732	1813.750488	117.6521149	-0.003274918	1813.807861
3:59:55 PM	0.485016674	1	43	1813.978882	117.6269302	0	1813.883057	117.7906036	0	1813.74939	117.6488342	0.001050949	1813.811157
4:00:01 PM	0.569716692	1	43	1813.978882	117.6215515	0	1813.888428	117.7852249	0	1813.754761	117.6488342	0	1813.811157
4:00:06 PM	0.654016674	1	43	1813.977783	117.6215515	-0.001051903	1813.888428	117.780899	0.003271103	1813.759155	117.6488342	0	1813.811157
4:00:11 PM	0.738250017	1	43	1813.978882	117.6215515	0	1813.888428	117.7895508	-0.004331589	1813.750488	117.6488342	0	1813.811157
4:00:16 PM	0.822149992	1	43	1813.978882	117.6269302	0	1813.883057	117.7906036	0	1813.74939	117.6477814	0.001050949	1813.812134
4:00:21 PM	0.906766653	1	43	1813.978882	117.6172333	0.004323006	1813.892822	117.7895508	-0.004331589	1813.750488	117.6455612	0.003274918	1813.814453
4:00:26 PM	0.990916669	1	43	1813.976807	117.6226044	-0.002104759	1813.887451	117.7906036	-0.006435394	1813.74939	117.6455612	0.003274918	1813.814453
4:00:31 PM	1.074733377	1	43	1813.973511	117.6215515	-0.001051903	1813.888428	117.7895508	-0.005384445	1813.750488	117.6455612	0.003274918	1813.814453
4:00:36 PM	1.159033298	1	43	1813.979858	117.6161804	0.001051903	1813.893799	117.7841721	-0.003278732	1813.755859	117.6434555	0.005378723	1813.816528
4:00:41 PM	1.242583275	1	43	1813.979858	117.6194458	0.001051903	1813.890625	117.7874451	-0.003278732	1813.752563	117.6391296	0.009706497	1813.820801
4:00:46 PM	1.327300072	1	43	1813.975586	117.6237717	-0.002221107	1813.88623	117.7831116	0.00210762	1813.756958	117.6477814	0.001050949	1813.812134
4:00:51 PM	1.412150025	1	43	1813.980957	117.6248322	0.002106667	1813.885132	117.7841721	0.00210762	1813.755859	117.6424026	0.006433487	1813.817505
4:00:56 PM	1.496216655	1	43	1813.976685	117.6237717	-0.002221107	1813.88623	117.7874451	-0.002225876	1813.752563	117.6467285	0.002105713	1813.813232
4:01:01 PM	1.580383301	1	43	1813.976685	117.6204987	0.002106667	1813.889526	117.7841721	0.00210762	1813.755859	117.6424026	0.006433487	1813.817505
4:01:06 PM	1.664333344	1	43	1813.975586	117.6204987	0.001051903	1813.889526	117.7841721	0.001052856	1813.755859	117.6434555	0.005378723	1813.816528
4:01:11 PM	1.74816668	1	43	1813.978882	117.6204987	0	1813.889526	117.7841721	0	1813.755859	117.6488342	0	1813.811157
4:01:16 PM	1.832266688	1	43	1813.974487	117.6204987	0	1813.889526	117.7884979	0	1813.751587	117.6488342	0	1813.811157
4:01:21 PM	1.916100025	1	43	1813.979858	117.6204987	0.001051903	1813.889526	117.7841721	0.001052856	1813.755859	117.6434555	0.005378723	1813.816528
4:01:26 PM	1.999899983	1	43	1813.980957	117.6151199	0.006429672	1813.894897	117.7831116	0.00210762	1813.756958	117.6424026	0.006433487	1813.817505
4:01:31 PM	2.083899975	1	43	1813.979858	117.6204987	0.005374908	1813.889526	117.7841721	0.001052856	1813.755859	117.6434555	0.005378723	1813.816528
4:01:36 PM	2.168016672	1	43	1813.976685	117.6194458	0.002106667	1813.890625	117.7831116	0.00210762	1813.756958	117.6467285	0.002105713	1813.813232
4:01:41 PM	2.252033234	1	43	1813.976685	117.6194458	0.002106667	1813.890625	117.7831116	0.00210762	1813.756958	117.6424026	0.006433487	1813.817505
4:01:47 PM	2.335900068	1	43	1813.975586	117.6248322	-0.003275871	1813.885132	117.7841721	0.001052856	1813.755859	117.6434555	0.005378723	1813.816528
4:01:52 PM	2.420533419	1	43	1813.982056	117.6227188	-0.001166344	1813.887329	117.7820587	0.003160477	1813.757935	117.6413498	0.007488251	1813.818604
4:01:57 PM	2.504616737	1	43	1813.975586	117.6215515	0	1813.888428	117.780899	0.004323959	1813.759155	117.6434555	0.005378723	1813.816528
4:02:02 PM	2.588799953	1	43	1813.977783	117.6248322	-0.004327774	1813.885132	117.7841721	0	1813.755859	117.6488342	0	1813.811157
4:02:07 PM	2.67264986	1	43	1813.974487	117.6172333	0.004323006	1813.892822	117.7852249	0	1813.754761	117.6488342	0	1813.811157
4:02:12 PM	2.756516695	1	43	1813.97229	117.6161804	0.005374908	1813.893799	117.7841721	0.001052856	1813.755859	117.6467285	0.002105713	1813.813232
4:02:17 PM	2.840916634	1	43	1813.975586	117.6215515	0.001051903	1813.888428	117.7852249	0.001052856	1813.754761	117.6477814	0.001050949	1813.812134
4:02:22 PM	2.924649954	1	43	1813.974487	117.6258774	-0.004327774	1813.884155	117.7895508	-0.004331589	1813.750488	117.6488342	0	1813.811157
4:02:26 PM	2.992150068	1	43	1813.974487	117.6172333	0.004323006	1813.892822	117.7895508	-0.004331589	1813.750488	117.6488342	0	1813.811157
4:02:31 PM	3.075750113	1	43	1813.970215	117.6161804	0	1813.893799	117.7895508	-0.004331589	1813.750488	117.6531677	-0.004327774	1813.806763
4:02:36 PM	3.159433365	1	43	1813.974487	117.6161804	0.005374908	1813.893799	117.7841721	0.001052856	1813.755859	117.6488342	0	1813.811157
4:02:41 PM	3.243716717	1	43	1813.978882	117.6204987	0	1813.889526	117.7841721	0	1813.755859	117.6488342	0	1813.811157
4:02:46 PM	3.327533245	1	43	1813.974487	117.6172333	0.004323006	1813.892822	117.7852249	0	1813.754761	117.6445084	0.004327774	1813.81543
4:02:51 PM	3.411616564	1	43	1813.975586	117.6204987	0.001051903	1813.889526	117.7841721	0.001052856	1813.755859	117.6477814	0.001050949	1813.812134
4:02:57 PM	3.506383419	1	43	1813.976685	117.6151199	0.006429672	1813.894897	117.7831116	0.00210762	1813.756958	117.6424026	0.006433487	1813.817505
4:03:01 PM	3.58188343	1	43	1813.976685	117.6151199	0.005374908	1813.894897	117.7831116	0.001052856	1813.756958	117.6477814	0.001050949	1813.812134
4:03:06 PM	3.66566658	1	43	1813.975586	117.6161804	0.004323006	1813.893799	117.7841721	0	1813.755859	117.6488342	0	1813.811157
4:03:11 PM	3.749583244	1	43	1813.971191	117.6118469	-0.002221107	1813.898193	117.7841721	0.00210762	1813.755859	117.6424026	0.006433487	1813.817505

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	MW49D_WLE	MW50B_DW	MW50B_WLD	MW50B_WLE	MW50C_DW	MW50C_WLD	MW50C_WLE	MW50D_DW	MW50D_WLD	MW50D_WLE
4:03:16 PM	3.83373332	1	43	1813.975586	117.6118469	0.009707451	1813.898193	117.7841721	0.001052856	1813.755859	117.6434555	0.005378723	1813.816528
4:03:21 PM	3.917449951	1	43	1813.97229	117.6107941	0.009707451	1813.89917	117.7874451	-0.003278732	1813.752563	117.6477814	0.001050949	1813.812134
4:03:26 PM	4.000850201	1	43	1813.975586	117.6118469	0.009707451	1813.898193	117.7884979	-0.003278732	1813.751587	117.6477814	0.001050949	1813.812134
4:03:31 PM	4.084983349	1	43	1813.975586	117.6161804	0.010761261	1813.893799	117.7841721	-0.002225876	1813.755859	117.6467285	0.002105713	1813.813232
4:03:36 PM	4.168616772	1	43	1813.975586	117.6161804	0.005374908	1813.893799	117.7841721	0.001052856	1813.755859	117.6477814	0.001050949	1813.812134
4:03:42 PM	4.252699852	1	43	1813.970215	117.6172333	0.004323006	1813.892822	117.7852249	0	1813.754761	117.6434555	0.005378723	1813.816528
4:03:47 PM	4.336733341	1	43	1813.973511	117.6139526	0.007602692	1813.895996	117.7819519	0.003271103	1813.758057	117.6401825	0.008655548	1813.819824
4:03:52 PM	4.420499802	1	43	1813.971191	117.6118469	0.009707451	1813.898193	117.7884979	-0.003278732	1813.751587	117.6477814	0.001050949	1813.812134
4:03:57 PM	4.504499912	1	43	1813.974487	117.6172333	0.004323006	1813.892822	117.780899	0.004323959	1813.759155	117.6488342	0	1813.811157
4:04:02 PM	4.589149952	1	43	1813.976685	117.6151199	0.006429672	1813.894897	117.7874451	-0.002225876	1813.752563	117.6467285	0.002105713	1813.813232
4:04:07 PM	4.67266655	1	43	1813.975586	117.6118469	0.009707451	1813.898193	117.7841721	0.001052856	1813.755859	117.6424026	0.006433487	1813.817505
4:04:12 PM	4.756283283	1	43	1813.979858	117.6118469	0.009707451	1813.898193	117.7841721	0.001052856	1813.755859	117.6434555	0.005378723	1813.816528
4:04:17 PM	4.840650082	1	43	1813.975586	117.6064682	0.014030457	1813.903564	117.7874451	-0.003278732	1813.752563	117.6477814	0.001050949	1813.812134
4:04:22 PM	4.924766541	1	43	1813.976685	117.6107941	0.010761261	1813.89917	117.7874451	-0.002225876	1813.752563	117.6424026	0.006433487	1813.817505
4:05:21 PM	5.916283131	1	43	1813.975586	117.6161804	0.005374908	1813.893799	117.7841721	0.001052856	1813.755859	117.6477814	0.001050949	1813.812134
4:06:22 PM	6.920016766	1	43	1813.971191	117.6118469	0.009707451	1813.898193	117.7841721	0.001052856	1813.755859	117.6477814	0.001050949	1813.812134
4:07:22 PM	7.925983429	1	43	1813.973389	117.6227188	-0.001166344	1813.887329	117.7820587	0.003160477	1813.757935	117.6500015	-0.001167297	1813.809937
4:08:21 PM	8.917833328	1	43	1813.97876	117.6173401	0.004213333	1813.8927	117.7853394	-0.000118256	1813.754639	117.6446228	0.004213333	1813.815308
4:09:22 PM	9.926549911	1	43	1813.973389	117.6227188	-0.001166344	1813.887329	117.7863922	-0.001171112	1813.753662	117.6402969	0.008541107	1813.819702
4:10:21 PM	10.91880035	1	43	1813.983032	117.621666	-0.000114441	1813.888306	117.7810059	0.004213333	1813.759033	117.6446228	0.004213333	1813.815308
4:11:22 PM	11.92695045	1	43	1813.976685	117.6237717	-0.002221107	1813.88623	117.7831116	0.00210762	1813.756958	117.651062	-0.002222061	1813.808838
4:12:21 PM	12.91763306	1	43	1813.980957	117.6151199	0.006429672	1813.894897	117.7831116	0.00210762	1813.756958	117.6424026	0.006433487	1813.817505
4:13:22 PM	13.92504978	1	43	1813.974365	117.6206131	-0.000114441	1813.889404	117.7842865	-0.000118256	1813.755737	117.6446228	0.004213333	1813.815308
4:14:21 PM	14.91636658	1	43	1813.975586	117.6281052	-0.00760746	1813.881958	117.7831116	0.001052856	1813.756958	117.6391296	0.009706497	1813.820801
4:19:21 PM	19.91898346	1	43	1813.982056	117.6227188	-0.001166344	1813.887329	117.7820587	0.003160477	1813.757935	117.6413498	0.006433487	1813.818604
4:24:21 PM	24.91220093	1	43	1813.977661	117.6183929	0.003160477	1813.891602	117.7777405	0.007484436	1813.762329	117.6370239	0.011816025	1813.822998
4:29:22 PM	29.92465019	1	43	1813.976685	117.6194458	0.002106667	1813.890625	117.7874451	-0.002225876	1813.752563	117.6467285	0.002105713	1813.813232
4:34:22 PM	34.91614914	1	43	1813.972168	117.6368713	-0.015320778	1813.873169	117.7832336	0.00198555	1813.756836	117.6425171	0.006317139	1813.817383
4:39:22 PM	39.91798401	1	43	1813.98291	117.6347656	-0.013216019	1813.875244	117.7811356	0.004089355	1813.758911	117.6447449	0.00409317	1813.815186
4:44:22 PM	44.92073441	1	43	1813.977539	117.6315002	-0.009944916	1813.87854	117.7821808	0.003038406	1813.757813	117.6414642	0.007369995	1813.818481
4:49:21 PM	49.9080658	1	43	1813.979736	117.643425	-0.020821571	1813.866577	117.7854538	0.000822067	1813.754639	117.643692	0.005147934	1813.816284
4:54:21 PM	54.90641785	1	43	1813.978638	117.6390991	-0.017548561	1813.87085	117.7811356	0.004089355	1813.758911	117.6404114	0.008420944	1813.81958
4:59:21 PM	59.90963364	1	43	1813.980713	117.6326599	-0.011107445	1813.877319	117.7746887	0.010530472	1813.765381	117.6383057	0.010530472	1813.821655
5:29:22 PM	89.90814972	1	43	1813.985962	117.6360626	-0.01450634	1813.873901	117.7737656	0.011459351	1813.766235	117.6373749	0.011463165	1813.822632
5:59:22 PM	119.9041672	1	43	1813.987061	117.6263428	-0.00373745	1813.883667	117.7727051	0.013568878	1813.767334	117.636322	0.012517929	1813.823608
6:29:22 PM	149.8851166	1	43	1813.988159	117.6512604	-0.029707909	1813.858765	117.7716522	0.013568878	1813.768433	117.6309357	0.017900467	1813.828979
6:59:21 PM	179.8807526	1	43	1813.98584	117.6491547	-0.027603149	1813.86084	117.7695465	0.015672684	1813.770508	117.6331635	0.015676498	1813.826782
7:29:21 PM	209.871048	1	43	1813.990234	117.6448288	-0.023275375	1813.865234	117.7738724	0.011348724	1813.766113	117.62883	0.020004272	1813.831177
7:59:22 PM	239.8676453	1	43	1813.988037	117.6427231	-0.02117157	1813.86731	117.7674484	0.017776489	1813.772583	117.6267242	0.022108078	1813.833252
8:29:22 PM	269.8642273	1	43	1813.991211	117.6437759	-0.022223473	1813.866211	117.7684937	0.01672554	1813.771484	117.6234512	0.025384903	1813.836548
8:59:22 PM	299.8516541	1	43	1813.998901	117.6491547	-0.027603149	1813.86084	117.7695465	0.015672684	1813.770508	117.6245041	0.024332047	1813.835449
9:59:21 PM	359.834259	1	43	1813.996582	117.6297379	-0.008188248	1813.880249	117.7717667	0.013454437	1813.768311	117.6223984	0.026435852	1813.837524
10:59:22 PM	419.8253174	1	43	1813.995483	117.6438904	-0.022337914	1813.866089	117.7642822	0.020938873	1813.775757	117.6192398	0.029596329	1813.840698
11:59:22 PM	479.8086243	1	43	1814.001831	117.6375732	-0.016022682	1813.872437	117.7579651	0.027254105	1813.782104	117.6172485	0.031585693	1813.842773
12:59:22 AM	539.7944336	1	43	1814.011108	117.624939	-0.003390312	1813.88501	117.7539902	0.031230927	1813.786011	117.6089478	0.039890289	1813.851074
1:59:22 AM	599.7810669	1	43	1814.026978	117.6254044	-0.008181572	1813.884644	117.7371445	0.04807663	1813.802856	117.5921021	0.056735992	1813.86792

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	MW49D_WLE	MW50B_DW	MW50B_WLD	MW50B_WLE	MW50C_DW	MW50C_WLD	MW50C_WLE	MW50D_DW	MW50D_WLD	MW50D_WLE
2:59:21 AM	659.7606812	1	43	1814.039551	117.6430664	-0.01613903	1813.866943	117.7288437	0.057434082	1813.811157	117.5838013	0.06608963	1813.876221
3:59:22 AM	719.7507935	1	43	1814.042603	117.6443558	-0.022800446	1813.865601	117.7257919	0.059429169	1813.814209	117.5764313	0.071353912	1813.883545
4:59:23 AM	779.7385864	1	43	1814.042114	117.6621323	-0.040581703	1813.8479	117.7219391	0.063285828	1813.818115	117.585556	0.06328392	1813.87439
5:59:22 AM	839.7148438	1	43	1814.028687	117.6625977	-0.041044235	1813.847412	117.7353821	0.049840927	1813.804688	117.5903397	0.058494568	1813.869629
6:59:23 AM	899.7128296	1	43	1814.007813	117.7008438	-0.07929039	1813.809204	117.7519913	0.033231735	1813.788086	117.6069489	0.041887283	1813.853027
7:59:22 AM	959.6920776	1	43	1813.99231	117.7033005	-0.081748962	1813.806763	117.7674255	0.017795563	1813.772583	117.6267166	0.022121429	1813.833252
8:59:22 AM	1019.672424	1	43	1813.970215	117.717804	-0.096250534	1813.792236	117.7905884	-0.005367279	1813.749512	117.6542053	0.004341125	1813.805786
9:59:22 AM	1079.663452	1	43	1813.954346	117.7023621	-0.085134506	1813.807617	117.8054352	-0.020215988	1813.734619	117.6604004	-0.01156044	1813.799561
10:59:22 AM	1139.64563	1	43	1813.939819	117.7417755	-0.122325897	1813.768188	117.8102341	-0.035770416	1813.729858	117.6835632	-0.034723282	1813.776367
11:59:23 AM	1199.629761	1	43	1813.91272	117.7926559	-0.171104431	1813.717407	117.8394775	-0.054254532	1813.700562	117.6944351	-0.045597076	1813.765503
12:59:22 PM	1259.614258	1	43	1813.912109	117.7912445	-0.17390728	1813.71875	117.8467255	-0.065711975	1813.693359	117.7112732	-0.062440872	1813.748657
1:59:23 PM	1319.606079	1	43	1813.892212	117.8304367	-0.207829475	1813.679565	117.8729248	-0.086648941	1813.667114	117.7311554	-0.082321167	1813.72876
2:59:22 PM	1379.590454	1	43	1813.869995	117.8310165	-0.20946312	1813.678955	117.8778381	-0.09261322	1813.662231	117.7403946	-0.094837189	1813.719604
3:59:23 PM	1439.581055	1	43	1813.876099	117.8574448	-0.23694706	1813.652588	117.8869553	-0.102783203	1813.653076	117.7429657	-0.095180511	1813.717041
3:59:47 PM	1439.983521	1	43	1813.874878	117.8380356	-0.216480255	1813.671997	117.8761978	-0.090976715	1813.663818	117.7398071	-0.095304489	1813.720215
3:59:52 PM	1440.067017	2	0	1813.873901	117.8607254	-0.239171028	1813.649292	117.8902359	-0.105010986	1813.64978	117.7538452	-0.105010986	1813.706055
3:59:57 PM	1440.151123	2	0	1813.875	117.8649368	-0.241274834	1813.64502	117.885788	-0.098459244	1813.654297	117.7396927	-0.087701797	1813.720215
4:00:02 PM	1440.234497	2	0	1813.876221	117.8691483	-0.245488167	1813.640869	117.8986511	-0.111328125	1813.641357	117.7558365	-0.098340988	1813.704102
4:00:08 PM	1440.318359	2	0	1813.866455	117.8464508	-0.224902153	1813.663574	117.8932724	-0.108049393	1813.646729	117.7568893	-0.108053207	1813.703125
4:00:13 PM	1440.401855	2	0	1813.866455	117.8680954	-0.24654007	1813.641968	117.8889465	-0.103725433	1813.651123	117.7525635	-0.103725433	1813.707397
4:00:18 PM	1440.485352	2	0	1813.867554	117.8627167	-0.241160393	1813.647339	117.896553	-0.111328125	1813.643433	117.7471771	-0.098340988	1813.712769
4:00:23 PM	1440.568726	2	0	1813.868652	117.8410721	-0.219522476	1813.668945	117.8922195	-0.106996536	1813.647827	117.7503357	-0.10149765	1813.709595
4:00:28 PM	1440.6521	2	0	1813.868652	117.8659821	-0.244433403	1813.644043	117.8868408	-0.10161972	1813.653198	117.7461243	-0.097288132	1813.713867
4:00:33 PM	1440.736084	2	0	1813.866333	117.8638763	-0.24232769	1813.646118	117.889061	-0.10383606	1813.651001	117.7526779	-0.103839874	1813.707275
4:00:38 PM	1440.819458	2	0	1813.870728	117.8628235	-0.241274834	1813.647217	117.8880081	-0.102783203	1813.651978	117.7440186	-0.095180511	1813.715942
4:00:43 PM	1440.90332	2	0	1813.874023	117.8649368	-0.2433815	1813.64502	117.8944473	-0.109222412	1813.64563	117.7450714	-0.096235275	1813.714844
4:00:48 PM	1440.987061	2	0	1813.877075	117.8607254	-0.239171028	1813.649292	117.8859024	-0.100679398	1813.654175	117.7462463	-0.097408295	1813.713745
4:00:53 PM	1441.070435	2	0	1813.876099	117.8628235	-0.241274834	1813.647217	117.8880081	-0.102783203	1813.651978	117.7472992	-0.098461151	1813.712646
4:00:58 PM	1441.154297	2	0	1813.869629	117.8659821	-0.244433403	1813.644043	117.8868408	-0.10161972	1813.653198	117.7494049	-0.100566864	1813.710571
4:01:03 PM	1441.238037	2	0	1813.875122	117.8421249	-0.220574379	1813.667847	117.8932724	-0.108049393	1813.646729	117.74823	-0.099393845	1813.71167
4:01:08 PM	1441.321533	2	0	1813.869751	117.8648148	-0.243265152	1813.645142	117.8943253	-0.109100342	1813.645752	117.7536163	-0.10477829	1813.706299
4:01:13 PM	1441.405151	2	0	1813.862183	117.8680954	-0.24654007	1813.641968	117.8976059	-0.112380981	1813.642456	117.74823	-0.099393845	1813.71167
4:01:18 PM	1441.488525	2	0	1813.865479	117.8691483	-0.247592926	1813.640869	117.8899994	-0.10477829	1813.650024	117.7492828	-0.100446701	1813.710693
4:01:23 PM	1441.57251	2	0	1813.867554	117.8637695	-0.241160393	1813.64624	117.8889465	-0.102672577	1813.651123	117.7515106	-0.102674484	1813.708496
4:01:28 PM	1441.656006	2	0	1813.879395	117.8638763	-0.24232769	1813.646118	117.8847351	-0.0995121	1813.655273	117.7440186	-0.095180511	1813.715942
4:01:33 PM	1441.73938	2	0	1813.879272	117.8617783	-0.238118172	1813.648193	117.8826294	-0.095304489	1813.657471	117.7451935	-0.096355438	1813.714722
4:01:38 PM	1441.822876	2	0	1813.875	117.8638763	-0.24232769	1813.646118	117.889061	-0.10383606	1813.651001	117.7396927	-0.090858459	1813.720215
4:01:43 PM	1441.906738	2	0	1813.867432	117.8584976	-0.23694706	1813.651489	117.8880081	-0.102783203	1813.651978	117.7516251	-0.102788925	1813.708374
4:01:48 PM	1441.990234	2	0	1813.864258	117.8606033	-0.240106583	1813.649414	117.885788	-0.10161972	1813.654297	117.7450714	-0.096235275	1813.714844
4:01:53 PM	1442.07373	2	0	1813.871826	117.8627167	-0.241160393	1813.647339	117.896553	-0.111328125	1813.643433	117.7515106	-0.102674484	1813.708496
4:01:58 PM	1442.157349	2	0	1813.881592	117.8616562	-0.240106583	1813.648315	117.8868408	-0.10161972	1813.653198	117.7504578	-0.10161972	1813.709473
4:02:03 PM	1442.240967	2	0	1813.876221	117.8627167	-0.241160393	1813.647339	117.896553	-0.111328125	1813.643433	117.7515106	-0.102674484	1813.708496
4:02:08 PM	1442.324951	2	0	1813.866455	117.8637695	-0.242213249	1813.64624	117.8932724	-0.108049393	1813.646729	117.7525635	-0.103725433	1813.707397
4:02:13 PM	1442.408691	2	0	1813.87085	117.8680954	-0.24654007	1813.641968	117.8976059	-0.112380981	1813.642456	117.7536163	-0.103725433	1813.706299
4:02:18 PM	1442.49231	2	0	1813.865479	117.8648148	-0.243265152	1813.645142	117.8943253	-0.109100342	1813.645752	117.7536163	-0.10477829	1813.706299
4:02:23 PM	1442.575928	2	0	1813.866455	117.8637695	-0.243265152	1813.64624	117.8932724	-0.109100342	1813.646729	117.7568893	-0.109106064	1813.703125

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	MW49D_WLE	MW50B_DW	MW50B_WLD	MW50B_WLE	MW50C_DW	MW50C_WLD	MW50C_WLE	MW50D_DW	MW50D_WLD	MW50D_WLE
4:02:28 PM	1442.65979	2	0	1813.864258	117.8627167	-0.240106583	1813.647339	117.8922195	-0.105941772	1813.647827	117.7471771	-0.098340988	1813.712769
4:02:33 PM	1442.743042	2	0	1813.868652	117.8443451	-0.222795486	1813.665649	117.8868408	-0.10161972	1813.653198	117.7537308	-0.097288132	1813.706177
4:02:38 PM	1442.827148	2	0	1813.872925	117.8400192	-0.218468666	1813.670044	117.8911667	-0.105941772	1813.648926	117.7591095	-0.105947495	1813.700806
4:02:43 PM	1442.910889	2	0	1813.870728	117.8595505	-0.237999916	1813.650513	117.8847351	-0.0995121	1813.655273	117.7440186	-0.097288132	1813.715942
4:02:48 PM	1442.994263	2	0	1813.872803	117.8542862	-0.23694706	1813.655762	117.8794708	-0.098459244	1813.660522	117.7398071	-0.096235275	1813.720215
4:02:53 PM	1443.078125	2	0	1813.878052	117.8565063	-0.234957695	1813.653564	117.8773651	-0.092142105	1813.66272	117.7366486	-0.086759567	1813.723267
4:02:58 PM	1443.161865	2	0	1813.868408	117.8617783	-0.240222931	1813.648193	117.8869553	-0.101730347	1813.653076	117.7462463	-0.097408295	1813.713745
4:03:03 PM	1443.245361	2	0	1813.881348	117.8586197	-0.236011505	1813.651367	117.8837967	-0.097520828	1813.65625	117.7474136	-0.097524643	1813.712524
4:03:08 PM	1443.328857	2	0	1813.879272	117.8553467	-0.233791351	1813.654663	117.8848495	-0.099626541	1813.655151	117.7441406	-0.095304489	1813.71582
4:03:13 PM	1443.412598	2	0	1813.876099	117.8638763	-0.241274834	1813.646118	117.889061	-0.102783203	1813.651001	117.7440186	-0.094129562	1813.715942
4:03:18 PM	1443.496338	2	0	1813.870728	117.8584976	-0.216362	1813.651489	117.892334	-0.10383606	1813.647705	117.7472992	-0.0995121	1813.712646
4:03:23 PM	1443.580078	2	0	1813.872803	117.8617783	-0.241274834	1813.648193	117.8912888	-0.107114792	1813.648804	117.7462463	-0.098461151	1813.713745
4:03:28 PM	1443.66394	2	0	1813.866333	117.8638763	-0.24232769	1813.646118	117.889061	-0.10383606	1813.651001	117.7483521	-0.0995121	1813.71167
4:03:33 PM	1443.747925	2	0	1813.866333	117.8552246	-0.233672142	1813.654785	117.889061	-0.10383606	1813.651001	117.7396927	-0.090858459	1813.720215
4:03:38 PM	1443.831177	2	0	1813.874023	117.8649368	-0.2433815	1813.64502	117.8901138	-0.104890823	1813.649902	117.7450714	-0.095180511	1813.714844
4:03:43 PM	1443.915161	2	0	1813.871826	117.8670425	-0.245488167	1813.642944	117.8878937	-0.102672577	1813.6521	117.7504578	-0.10161972	1813.709473
4:03:48 PM	1443.999268	2	0	1813.871704	117.8595505	-0.23694706	1813.650513	117.8847351	-0.098459244	1813.655273	117.7440186	-0.094129562	1813.715942
4:03:53 PM	1444.082886	2	0	1813.865356	117.8692627	-0.247714043	1813.640747	117.8901138	-0.104890823	1813.649902	117.7450714	-0.096235275	1813.714844
4:03:58 PM	1444.166748	2	0	1813.876099	117.8584976	-0.23694706	1813.651489	117.8880081	-0.102783203	1813.651978	117.7472992	-0.098461151	1813.712646
4:04:03 PM	1444.250488	2	0	1813.883545	117.8596725	-0.234843254	1813.650391	117.8848495	-0.100679398	1813.655151	117.7441406	-0.096355438	1813.71582
4:04:08 PM	1444.334351	2	0	1813.879272	117.8596725	-0.238118172	1813.650391	117.8805237	-0.095304489	1813.659546	117.7398071	-0.0909729	1813.720215
4:04:13 PM	1444.417969	2	0	1813.874023	117.8595505	-0.237999916	1813.650513	117.8847351	-0.0995121	1813.655273	117.7483521	-0.0995121	1813.71167
4:04:18 PM	1444.501587	2	0	1813.876099	117.8584976	-0.237999916	1813.651489	117.8966599	-0.10383606	1813.643433	117.7472992	-0.0995121	1813.712646
4:04:24 PM	1444.585327	2	0	1813.885742	117.8617783	-0.240222931	1813.648193	117.8869553	-0.101730347	1813.653076	117.7462463	-0.097408295	1813.713745
4:04:29 PM	1444.669312	2	0	1813.876099	117.8628235	-0.241274834	1813.647217	117.892334	-0.107114792	1813.647705	117.7516251	-0.102788925	1813.708374
4:04:34 PM	1444.752686	2	0	1813.875	117.84552	-0.223964691	1813.664551	117.8880081	-0.102783203	1813.651978	117.7472992	-0.098461151	1813.712646
4:04:39 PM	1444.837036	2	0	1813.879272	117.8477402	-0.226187706	1813.662231	117.8859024	-0.100679398	1813.654175	117.7451935	-0.096355438	1813.714722
4:04:44 PM	1444.920898	2	0	1813.876099	117.8628235	-0.241274834	1813.647217	117.892334	-0.107114792	1813.647705	117.7516251	-0.102788925	1813.708374
4:05:44 PM	1445.926514	2	0	1813.880371	117.8584976	-0.23694706	1813.651489	117.8880081	-0.102783203	1813.651978	117.7429657	-0.093076706	1813.717041
4:06:43 PM	1446.916626	2	0	1813.870728	117.8552246	-0.233672142	1813.654785	117.8933868	-0.108167648	1813.646606	117.7483521	-0.098461151	1813.71167
4:07:44 PM	1447.921753	2	0	1813.875977	117.8575668	-0.236011505	1813.652466	117.8870773	-0.101852417	1813.652954	117.7463608	-0.097524643	1813.713623
4:08:44 PM	1448.928345	2	0	1813.870605	117.8607254	-0.239171028	1813.649292	117.8859024	-0.100679398	1813.654175	117.7451935	-0.096355438	1813.714722
4:09:43 PM	1449.916382	2	0	1813.875977	117.8553467	-0.232736588	1813.654663	117.8805237	-0.094249725	1813.659546	117.7344284	-0.085594177	1813.725586
4:10:44 PM	1450.920166	2	0	1813.868408	117.8628235	-0.241274834	1813.647217	117.8880081	-0.102783203	1813.651978	117.7548981	-0.106063843	1813.705078
4:11:44 PM	1451.922852	2	0	1813.878174	117.8553467	-0.233791351	1813.654663	117.8848495	-0.099626541	1813.655151	117.7451935	-0.096355438	1813.714722
4:12:44 PM	1452.926758	2	0	1813.878174	117.8650513	-0.243502617	1813.64502	117.8902359	-0.105010986	1813.64978	117.7495193	-0.100683212	1813.710449
4:13:44 PM	1453.921631	2	0	1813.873901	117.8607254	-0.239171028	1813.649292	117.8902359	-0.105010986	1813.64978	117.7451935	-0.096355438	1813.714722
4:14:44 PM	1454.930054	2	0	1813.870728	117.8638763	-0.24232769	1813.646118	117.889061	-0.10383606	1813.651001	117.7483521	-0.098461151	1813.71167
4:19:43 PM	1459.920044	2	0	1813.876953	117.8608398	-0.242450714	1813.64917	117.881691	-0.099626541	1813.658325	117.7463608	-0.098577499	1813.713623
4:24:44 PM	1464.925049	2	0	1813.882446	117.8575668	-0.236011505	1813.652466	117.8914032	-0.106176376	1813.648682	117.7463608	-0.097524643	1813.713623
4:29:43 PM	1469.918091	2	0	1813.881226	117.8533554	-0.231801033	1813.656616	117.8871918	-0.101964951	1813.652832	117.7464752	-0.097640991	1813.713501
4:34:45 PM	1474.926025	2	0	1813.863037	117.8617783	-0.240222931	1813.648193	117.895607	-0.110385895	1813.644409	117.7559509	-0.107116699	1813.703979
4:39:44 PM	1479.921875	2	0	1813.872437	117.8751068	-0.253553391	1813.634888	117.8829727	-0.097751617	1813.657104	117.7465897	-0.097755432	1813.713379
4:44:44 PM	1484.911499	2	0	1813.869385	117.8478546	-0.226302147	1813.662109	117.8990021	-0.113780975	1813.640991	117.7582855	-0.109453201	1813.70166
4:49:44 PM	1489.914795	2	0	1813.86084	117.8866882	-0.265136242	1813.623291	117.9032135	-0.117994308	1813.636841	117.7625046	-0.113666534	1813.69751
4:54:43 PM	1494.910156	2	0	1813.852173	117.8866882	-0.265136242	1813.623291	117.8988876	-0.113666534	1813.641113	117.7625046	-0.112613678	1813.69751

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	MW49D_WLE	MW50B_DW	MW50B_WLD	MW50B_WLE	MW50C_DW	MW50C_WLD	MW50C_WLE	MW50D_DW	MW50D_WLD	MW50D_WLE
4:59:44 PM	1499.914063	2	0	1813.860718	117.8911362	-0.269582748	1813.618896	117.9033356	-0.118108749	1813.636719	117.762619	-0.113780975	1813.697388
5:29:44 PM	1529.903442	2	0	1813.850952	117.9139404	-0.292391777	1813.596069	117.9088287	-0.123607635	1813.631226	117.7681122	-0.119279861	1813.691895
5:59:44 PM	1559.893066	2	0	1813.842163	117.8967438	-0.275191307	1813.613281	117.9176025	-0.132375717	1813.622437	117.7812119	-0.132377625	1813.678711
6:29:44 PM	1589.893799	2	0	1813.844116	117.8947601	-0.273205757	1813.615234	117.9199371	-0.134714127	1813.620117	117.7792206	-0.130386353	1813.680786
6:59:45 PM	1619.890015	2	0	1813.843018	117.8829498	-0.261394024	1813.627075	117.9254379	-0.140213013	1813.614624	117.7847214	-0.135885239	1813.675293
7:29:44 PM	1649.880737	2	0	1813.829956	117.9045868	-0.28303194	1813.605469	117.9254379	-0.140213013	1813.614624	117.7847214	-0.135885239	1813.675293
7:59:43 PM	1679.861572	2	0	1813.831055	117.9121857	-0.290635109	1813.597778	117.9330444	-0.147819519	1813.606934	117.7966614	-0.147821426	1813.66333
8:29:45 PM	1709.868408	2	0	1813.825806	117.91745	-0.295897961	1813.592529	117.9383087	-0.153083801	1813.601685	117.7975922	-0.148752213	1813.662354
8:59:44 PM	1739.851074	2	0	1813.821655	117.9345322	-0.312977314	1813.575439	117.9467316	-0.161506653	1813.593262	117.7973557	-0.148521423	1813.662598
9:59:44 PM	1799.836304	2	0	1813.804321	117.9605026	-0.338947296	1813.549561	117.9640427	-0.178817749	1813.57605	117.8060226	-0.157184601	1813.653931
10:59:44 PM	1859.818359	2	0	1813.802979	117.9316177	-0.304683208	1813.578369	117.9611206	-0.187833786	1813.578857	117.8193512	-0.170518875	1813.640625
11:59:44 PM	1919.803711	2	0	1813.795654	117.8957062	-0.27415657	1813.614258	117.9728241	-0.187601089	1813.567261	117.8234482	-0.174613953	1813.636475
12:59:45 AM	1979.797607	2	0	1813.799927	117.8264618	-0.204911232	1813.683594	117.9684906	-0.183267593	1813.571533	117.827774	-0.178941727	1813.632202
1:59:43 AM	2039.77356	2	0	1813.812134	117.8056412	-0.184091568	1813.704346	117.9606552	-0.175432205	1813.579346	117.8112946	-0.162454605	1813.648682
2:59:44 AM	2099.759766	2	0	1813.817871	117.8085632	-0.187012672	1813.701416	117.9462738	-0.161050797	1813.59375	117.7969055	-0.148065567	1813.663086
3:59:43 AM	2159.744141	2	0	1813.829102	117.7930145	-0.171459198	1813.717041	117.9393692	-0.154148102	1813.600708	117.7943268	-0.145494461	1813.665649
4:59:45 AM	2219.739258	2	0	1813.839966	117.7475128	-0.125962257	1813.762451	117.9241638	-0.138940811	1813.615845	117.7834549	-0.134618759	1813.676514
5:59:44 AM	2279.722168	2	0	1813.852539	117.7272797	-0.104672432	1813.782715	117.9125824	-0.126304626	1813.627441	117.7664948	-0.1176548	1813.693481
6:59:44 AM	2339.70459	2	0	1813.854248	117.7341843	-0.111575127	1813.775879	117.9108353	-0.124557495	1813.62915	117.7604141	-0.11157608	1813.699585
7:59:44 AM	2399.686035	2	0	1813.862305	117.7381592	-0.116602898	1813.771851	117.9061584	-0.12093544	1813.633911	117.7567825	-0.107948303	1813.703125
8:59:45 AM	2459.682617	2	0	1813.860229	117.7185059	-0.096954346	1813.791504	117.9081421	-0.12292099	1813.631836	117.7630997	-0.114265442	1813.696899
9:59:43 AM	2519.654053	2	0	1813.856934	117.6948853	-0.074383736	1813.815186	117.9061584	-0.121986389	1813.633911	117.7578354	-0.108999252	1813.702148
10:59:44 AM	2579.649414	2	0	1813.874268	117.7001495	-0.078596115	1813.809814	117.894104	-0.113212585	1813.645996	117.7533951	-0.100231171	1813.706543
11:59:44 AM	2639.639648	2	0	1813.875488	117.7119598	-0.090403557	1813.798096	117.8929367	-0.107713699	1813.647095	117.7435684	-0.094732285	1813.716431
12:59:44 PM	2699.609863	2	0	1813.882813	117.6796722	-0.058122635	1813.830322	117.8779678	-0.09274292	1813.662109	117.7415771	-0.092744827	1813.718384
1:59:45 PM	2759.608643	2	0	1813.893799	117.6762848	-0.054731369	1813.83374	117.8745728	-0.089351654	1813.665527	117.7295303	-0.080696106	1813.730469
2:59:44 PM	2819.579102	2	0	1813.895996	117.6861115	-0.069941521	1813.823853	117.8670883	-0.082920074	1813.672974	117.7187729	-0.069936752	1813.741211
3:59:44 PM	2879.565918	2	0	1813.892944	117.6934814	-0.071927071	1813.816528	117.8701324	-0.084909439	1813.669922	117.7164383	-0.06760025	1813.74353

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	BarometricPress
3:59:26 PM	8.425316811	0	43	30.43193626
3:59:31 PM	0.082149997	1	43	30.43100548
3:59:36 PM	0.165999994	1	43	30.43286514
3:59:41 PM	0.250099987	1	43	30.43286514
3:59:46 PM	0.333600014	1	43	30.43193626
3:59:50 PM	0.401016653	1	43	30.43193626
3:59:55 PM	0.485016674	1	43	30.43286514
4:00:01 PM	0.569716692	1	43	30.43193626
4:00:06 PM	0.654016674	1	43	30.43193626
4:00:11 PM	0.738250017	1	43	30.43193626
4:00:16 PM	0.822149992	1	43	30.43193626
4:00:21 PM	0.906766653	1	43	30.43193626
4:00:26 PM	0.990916669	1	43	30.43286514
4:00:31 PM	1.074733377	1	43	30.43193626
4:00:36 PM	1.159033298	1	43	30.43100548
4:00:41 PM	1.242583275	1	43	30.43007469
4:00:46 PM	1.327300072	1	43	30.43007469
4:00:51 PM	1.412150025	1	43	30.43100548
4:00:56 PM	1.496216655	1	43	30.43007469
4:01:01 PM	1.580383301	1	43	30.43100548
4:01:06 PM	1.664333344	1	43	30.43100548
4:01:11 PM	1.74816668	1	43	30.43100548
4:01:16 PM	1.832266688	1	43	30.43100548
4:01:21 PM	1.916100025	1	43	30.43100548
4:01:26 PM	1.999899983	1	43	30.43007469
4:01:31 PM	2.083899975	1	43	30.43100548
4:01:36 PM	2.168016672	1	43	30.43100548
4:01:41 PM	2.252033234	1	43	30.43007469
4:01:47 PM	2.335900068	1	43	30.43007469
4:01:52 PM	2.420533419	1	43	30.43007469
4:01:57 PM	2.504616737	1	43	30.43193626
4:02:02 PM	2.588799953	1	43	30.43100548
4:02:07 PM	2.67264986	1	43	30.43193626
4:02:12 PM	2.756516695	1	43	30.43100548
4:02:17 PM	2.840916634	1	43	30.43193626
4:02:22 PM	2.924649954	1	43	30.43193626
4:02:26 PM	2.992150068	1	43	30.43193626
4:02:31 PM	3.075750113	1	43	30.43193626
4:02:36 PM	3.159433365	1	43	30.43100548
4:02:41 PM	3.243716717	1	43	30.43100548
4:02:46 PM	3.327533245	1	43	30.43193626
4:02:51 PM	3.411616564	1	43	30.43100548
4:02:57 PM	3.506383419	1	43	30.43007469
4:03:01 PM	3.58188343	1	43	30.43007469
4:03:06 PM	3.66566658	1	43	30.43100548
4:03:11 PM	3.749583244	1	43	30.43100548

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	BarometricPress
4:03:16 PM	3.83373332	1	43	30.43100548
4:03:21 PM	3.917449951	1	43	30.43007469
4:03:26 PM	4.000850201	1	43	30.43007469
4:03:31 PM	4.084983349	1	43	30.43100548
4:03:36 PM	4.168616772	1	43	30.43100548
4:03:42 PM	4.252699852	1	43	30.43193626
4:03:47 PM	4.336733341	1	43	30.43286514
4:03:52 PM	4.420499802	1	43	30.43193626
4:03:57 PM	4.504499912	1	43	30.43100548
4:04:02 PM	4.589149952	1	43	30.43007469
4:04:07 PM	4.67266655	1	43	30.43100548
4:04:12 PM	4.756283283	1	43	30.43100548
4:04:17 PM	4.840650082	1	43	30.43007469
4:04:22 PM	4.924766541	1	43	30.43007469
4:05:21 PM	5.916283131	1	43	30.43100548
4:06:22 PM	6.920016766	1	43	30.43100548
4:07:22 PM	7.925983429	1	43	30.429142
4:08:21 PM	8.917833328	1	43	30.42821312
4:09:22 PM	9.926549911	1	43	30.429142
4:10:21 PM	10.91880035	1	43	30.42821312
4:11:22 PM	11.92695045	1	43	30.43007469
4:12:21 PM	12.91763306	1	43	30.43007469
4:13:22 PM	13.92504978	1	43	30.42728233
4:14:21 PM	14.91636658	1	43	30.43007469
4:19:21 PM	19.91898346	1	43	30.429142
4:24:21 PM	24.91220093	1	43	30.429142
4:29:22 PM	29.92465019	1	43	30.43007469
4:34:22 PM	34.91614914	1	43	30.42635155
4:39:22 PM	39.91798401	1	43	30.42449188
4:44:22 PM	44.92073441	1	43	30.42542267
4:49:21 PM	49.9080658	1	43	30.42449188
4:54:21 PM	54.90641785	1	43	30.42449188
4:59:21 PM	59.90963364	1	43	30.4226284
5:29:22 PM	89.90814972	1	43	30.41797829
5:59:22 PM	119.9041672	1	43	30.4170475
6:29:22 PM	149.8851166	1	43	30.41611481
6:59:21 PM	179.8807526	1	43	30.41425514
7:29:21 PM	209.871048	1	43	30.41425514
7:59:22 PM	239.8676453	1	43	30.41239548
8:29:22 PM	269.8642273	1	43	30.41332436
8:59:22 PM	299.8516541	1	43	30.41425514
9:59:21 PM	359.834259	1	43	30.41239548
10:59:22 PM	419.8253174	1	43	30.40960121
11:59:22 PM	479.8086243	1	43	30.40402031
12:59:22 AM	539.7944336	1	43	30.39285469
1:59:22 AM	599.7810669	1	43	30.37796593

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	BarometricPress
2:59:21 AM	659.7606812	1	43	30.36680031
3:59:22 AM	719.7507935	1	43	30.36028671
4:59:23 AM	779.7385864	1	43	30.34539986
5:59:22 AM	839.7148438	1	43	30.33050919
6:59:23 AM	899.7128296	1	43	30.31841469
7:59:22 AM	959.6920776	1	43	30.30910873
8:59:22 AM	1019.672424	1	43	30.29515266
9:59:22 AM	1079.663452	1	43	30.26909828
10:59:22 AM	1139.64563	1	43	30.2551403
11:59:23 AM	1199.629761	1	43	30.25421143
12:59:22 PM	1259.614258	1	43	30.23094749
1:59:23 PM	1319.606079	1	43	30.22257423
2:59:22 PM	1379.590454	1	43	30.20396233
3:59:23 PM	1439.581055	1	43	30.18907547
3:59:47 PM	1439.983521	1	43	30.18721581
3:59:52 PM	1440.067017	2	0	30.18814659
3:59:57 PM	1440.151123	2	0	30.19186783
4:00:02 PM	1440.234497	2	0	30.19558907
4:00:08 PM	1440.318359	2	0	30.19466019
4:00:13 PM	1440.401855	2	0	30.19466019
4:00:18 PM	1440.485352	2	0	30.1937294
4:00:23 PM	1440.568726	2	0	30.1937294
4:00:28 PM	1440.6521	2	0	30.19279671
4:00:33 PM	1440.736084	2	0	30.19093513
4:00:38 PM	1440.819458	2	0	30.19000626
4:00:43 PM	1440.90332	2	0	30.19093513
4:00:48 PM	1440.987061	2	0	30.18814659
4:00:53 PM	1441.070435	2	0	30.19000626
4:00:58 PM	1441.154297	2	0	30.19279671
4:01:03 PM	1441.238037	2	0	30.1937294
4:01:08 PM	1441.321533	2	0	30.19651985
4:01:13 PM	1441.405151	2	0	30.19466019
4:01:18 PM	1441.488525	2	0	30.19558907
4:01:23 PM	1441.57251	2	0	30.19466019
4:01:28 PM	1441.656006	2	0	30.19093513
4:01:33 PM	1441.73938	2	0	30.18814659
4:01:38 PM	1441.822876	2	0	30.19093513
4:01:43 PM	1441.906738	2	0	30.19000626
4:01:48 PM	1441.990234	2	0	30.19186783
4:01:53 PM	1442.07373	2	0	30.1937294
4:01:58 PM	1442.157349	2	0	30.19279671
4:02:03 PM	1442.240967	2	0	30.1937294
4:02:08 PM	1442.324951	2	0	30.19466019
4:02:13 PM	1442.408691	2	0	30.19558907
4:02:18 PM	1442.49231	2	0	30.19558907
4:02:23 PM	1442.575928	2	0	30.19466019

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	BarometricPress
4:02:28 PM	1442.65979	2	0	30.1937294
4:02:33 PM	1442.743042	2	0	30.19186783
4:02:38 PM	1442.827148	2	0	30.19186783
4:02:43 PM	1442.910889	2	0	30.19093513
4:02:48 PM	1442.994263	2	0	30.18721581
4:02:53 PM	1443.078125	2	0	30.18535423
4:02:58 PM	1443.161865	2	0	30.19000626
4:03:03 PM	1443.245361	2	0	30.18628311
4:03:08 PM	1443.328857	2	0	30.18721581
4:03:13 PM	1443.412598	2	0	30.19093513
4:03:18 PM	1443.496338	2	0	30.19000626
4:03:23 PM	1443.580078	2	0	30.18907547
4:03:28 PM	1443.66394	2	0	30.19093513
4:03:33 PM	1443.747925	2	0	30.19093513
4:03:38 PM	1443.831177	2	0	30.19186783
4:03:43 PM	1443.915161	2	0	30.19279671
4:03:48 PM	1443.999268	2	0	30.19093513
4:03:53 PM	1444.082886	2	0	30.19186783
4:03:58 PM	1444.166748	2	0	30.19000626
4:04:03 PM	1444.250488	2	0	30.18721581
4:04:08 PM	1444.334351	2	0	30.18814659
4:04:13 PM	1444.417969	2	0	30.19093513
4:04:18 PM	1444.501587	2	0	30.19000626
4:04:24 PM	1444.585327	2	0	30.18907547
4:04:29 PM	1444.669312	2	0	30.19093513
4:04:34 PM	1444.752686	2	0	30.19000626
4:04:39 PM	1444.837036	2	0	30.18814659
4:04:44 PM	1444.920898	2	0	30.19000626
4:05:44 PM	1445.926514	2	0	30.19000626
4:06:43 PM	1446.916626	2	0	30.19093513
4:07:44 PM	1447.921753	2	0	30.18628311
4:08:44 PM	1448.928345	2	0	30.18814659
4:09:43 PM	1449.916382	2	0	30.18721581
4:10:44 PM	1450.920166	2	0	30.18907547
4:11:44 PM	1451.922852	2	0	30.18628311
4:12:44 PM	1452.926758	2	0	30.18814659
4:13:44 PM	1453.921631	2	0	30.18814659
4:14:44 PM	1454.930054	2	0	30.19093513
4:19:43 PM	1459.920044	2	0	30.18442154
4:24:44 PM	1464.925049	2	0	30.18535423
4:29:43 PM	1469.918091	2	0	30.181633
4:34:45 PM	1474.926025	2	0	30.18907547
4:39:44 PM	1479.921875	2	0	30.17790794
4:44:44 PM	1484.911499	2	0	30.18442154
4:49:44 PM	1489.914795	2	0	30.18814659
4:54:43 PM	1494.910156	2	0	30.18721581

RW-2 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW2_VFDSpeed	BarometricPress
4:59:44 PM	1499.914063	2	0	30.18442154
5:29:44 PM	1529.903442	2	0	30.181633
5:59:44 PM	1559.893066	2	0	30.17790794
6:29:44 PM	1589.893799	2	0	30.17232513
6:59:45 PM	1619.890015	2	0	30.16953468
7:29:44 PM	1649.880737	2	0	30.16953468
7:59:43 PM	1679.861572	2	0	30.1686058
8:29:45 PM	1709.868408	2	0	30.17325783
8:59:44 PM	1739.851074	2	0	30.18070221
9:59:44 PM	1799.836304	2	0	30.2495575
10:59:44 PM	1859.818359	2	0	30.27375221
11:59:44 PM	1919.803711	2	0	30.28026581
12:59:45 AM	1979.797607	2	0	30.28026581
1:59:43 AM	2039.77356	2	0	30.28863907
2:59:44 AM	2099.759766	2	0	30.2988739
3:59:43 AM	2159.744141	2	0	30.31190109
4:59:45 AM	2219.739258	2	0	30.31376266
5:59:44 AM	2279.722168	2	0	30.30352592
6:59:44 AM	2339.70459	2	0	30.32399559
7:59:44 AM	2399.686035	2	0	30.3360939
8:59:45 AM	2459.682617	2	0	30.34167671
9:59:43 AM	2519.654053	2	0	30.33516312
10:59:44 AM	2579.649414	2	0	30.34074593
11:59:44 AM	2639.639648	2	0	30.34446907
12:59:44 PM	2699.609863	2	0	30.33702278
1:59:45 PM	2759.608643	2	0	30.34167671
2:59:44 PM	2819.579102	2	0	30.33981705
3:59:44 PM	2879.565918	2	0	30.34633064

Report Date:	4/30/2011 14:28
Report User Nam	jgadt
Report Computer	KS-FIELD2-LTP
Application:	WinSitu.exe
Application Versic	5.6.21.0

Log File Properties

File Name	MW1A_042811_RW2crate_redo_2011-04-30_13-57-23-750.wsl
Create Date	4/30/2011 13:57

Device Properties

Device	Level TROLL 700				
Site	MW-1A				
Device Name					
Serial Number		122809			
Firmware Version		2.08			
Hardware Versior		2			
Device Address		1			
Device Comm Cfg		19200	8	Even	1
Used Memory		4			
Used Battery		22			

Log Configuration

	Log Name	MW1A_042811_RW2crate_redo
	Created By	jgadt
	Computer Name	KS-FIELD2-LTP
	Application	WinSitu.exe
	Application Version	5.6.21.0
	Create Date	4/28/2011 2:41:39 PM Central Daylight Time
	Log Setup Time Zone	Central Daylight Time
	Notes Size(bytes)	4096
	Overwrite when full	Disabled
	Scheduled Start Time	4/28/2011 4:00:00 PM Central Daylight Time
	Scheduled Stop Time	4/30/2011 4:00:00 PM Central Daylight Time
	Type	Step Test
Steps	10 (Linear)	
	Step	1
	Duration	Days: 0 hrs: 00 mins: 05 secs: 00
	Interval	Days: 0 hrs: 00 mins: 00 secs: 05
	Step	2
	Duration	Days: 0 hrs: 00 mins: 10 secs: 00
	Interval	Days: 0 hrs: 00 mins: 01 secs: 00
	Step	3
	Duration	Days: 0 hrs: 00 mins: 45 secs: 00
	Interval	Days: 0 hrs: 00 mins: 05 secs: 00
	Step	4
	Duration	Days: 0 hrs: 04 mins: 00 secs: 00

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Interval	Days: 0 hrs: 00 mins: 30 secs: 00
Step	5
Duration	Days: 0 hrs: 19 mins: 00 secs: 00
Interval	Days: 0 hrs: 01 mins: 00 secs: 00
Step	6
Duration	Days: 0 hrs: 00 mins: 05 secs: 00
Interval	Days: 0 hrs: 00 mins: 00 secs: 05
Step	7
Duration	Days: 0 hrs: 00 mins: 10 secs: 00
Interval	Days: 0 hrs: 00 mins: 01 secs: 00
Step	8
Duration	Days: 0 hrs: 00 mins: 45 secs: 00
Interval	Days: 0 hrs: 00 mins: 05 secs: 00
Step	9
Duration	Days: 0 hrs: 04 mins: 00 secs: 00
Interval	Days: 0 hrs: 00 mins: 30 secs: 00
Step	10
Duration	Days: 0 hrs: 19 mins: 00 secs: 00
Interval	Days: 0 hrs: 01 mins: 00 secs: 00

Level Reference Settings At Log Creation

Level Measurement Mode	Level Depth To Water
Specific Gravity	0.999
Level Reference Mode:	Set new reference
Level Reference Value:	0 (ft)
Level Reference Head Pressure	2.19661 (PSI)

Other Log Settings

Depth of Probe:	5.07215 (ft)
Head Pressure:	2.19672 (PSI)
Temperature:	12.4148 (C)

Log Notes:

Date and Time	Note
4/28/2011 14:41	Used Battery: 22% Used Memory: 6% User Name: jgadt
4/30/2011 13:57	Used Battery: 22% Used Memory: 6% User Name: jgadt
4/30/2011 13:57	Manual Stop Command

Log Data:

Record Count	210
Sensors	1

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1 122809 Pressure/Temp 15 PSIG (11m/35ft)

Time Zone: Central Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
4/28/2011 16:00	0	-0.025	2.207
4/28/2011 16:00	5.001	-0.023	2.207
4/28/2011 16:00	10.001	-0.02	2.205
4/28/2011 16:00	15.001	-0.024	2.207
4/28/2011 16:00	20.001	-0.021	2.206
4/28/2011 16:00	25.001	-0.023	2.207
4/28/2011 16:00	30.001	-0.023	2.207
4/28/2011 16:00	35.001	-0.02	2.205
4/28/2011 16:00	40.001	-0.022	2.206
4/28/2011 16:00	45.001	-0.024	2.207
4/28/2011 16:00	50.001	-0.021	2.206
4/28/2011 16:00	55.001	-0.02	2.205
4/28/2011 16:01	60.001	-0.023	2.206
4/28/2011 16:01	65.001	-0.024	2.207
4/28/2011 16:01	70.001	-0.025	2.207
4/28/2011 16:01	75.001	-0.023	2.207
4/28/2011 16:01	80.001	-0.022	2.206
4/28/2011 16:01	85.001	-0.023	2.207
4/28/2011 16:01	90.001	-0.024	2.207
4/28/2011 16:01	95.001	-0.021	2.206
4/28/2011 16:01	100.001	-0.024	2.207
4/28/2011 16:01	105.001	-0.022	2.206
4/28/2011 16:01	110.001	-0.024	2.207
4/28/2011 16:01	115.001	-0.023	2.206
4/28/2011 16:02	120.001	-0.023	2.207
4/28/2011 16:02	125.001	-0.023	2.207
4/28/2011 16:02	130.001	-0.022	2.206
4/28/2011 16:02	135.001	-0.02	2.205
4/28/2011 16:02	140.001	-0.022	2.206
4/28/2011 16:02	145.001	-0.021	2.206
4/28/2011 16:02	150.001	-0.024	2.207
4/28/2011 16:02	155.001	-0.023	2.207
4/28/2011 16:02	160.001	-0.024	2.207
4/28/2011 16:02	165.001	-0.022	2.206
4/28/2011 16:02	170.001	-0.022	2.206
4/28/2011 16:02	175.001	-0.024	2.207
4/28/2011 16:03	180.001	-0.022	2.206
4/28/2011 16:03	185.001	-0.024	2.207
4/28/2011 16:03	190.001	-0.025	2.207
4/28/2011 16:03	195.001	-0.024	2.207

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
4/28/2011 16:03	200.001	-0.024	2.207
4/28/2011 16:03	205.001	-0.023	2.207
4/28/2011 16:03	210.001	-0.022	2.206
4/28/2011 16:03	215.001	-0.021	2.206
4/28/2011 16:03	220.001	-0.025	2.207
4/28/2011 16:03	225.001	-0.022	2.206
4/28/2011 16:03	230.001	-0.022	2.206
4/28/2011 16:03	235.001	-0.024	2.207
4/28/2011 16:04	240.001	-0.023	2.207
4/28/2011 16:04	245.001	-0.024	2.207
4/28/2011 16:04	250.001	-0.023	2.207
4/28/2011 16:04	255.001	-0.023	2.207
4/28/2011 16:04	260.001	-0.023	2.206
4/28/2011 16:04	265.001	-0.023	2.207
4/28/2011 16:04	270.001	-0.023	2.206
4/28/2011 16:04	275.001	-0.024	2.207
4/28/2011 16:04	280.001	-0.023	2.207
4/28/2011 16:04	285.001	-0.023	2.206
4/28/2011 16:04	290.001	-0.023	2.206
4/28/2011 16:04	295.001	-0.023	2.206
4/28/2011 16:05	300.001	-0.026	2.208
4/28/2011 16:06	360.001	-0.026	2.208
4/28/2011 16:07	420.001	-0.028	2.209
4/28/2011 16:08	480.001	-0.029	2.209
4/28/2011 16:09	540.001	-0.029	2.209
4/28/2011 16:10	600.001	-0.028	2.209
4/28/2011 16:11	660.001	-0.023	2.207
4/28/2011 16:12	720.001	-0.024	2.207
4/28/2011 16:13	780.001	-0.025	2.207
4/28/2011 16:14	840.001	-0.026	2.208
4/28/2011 16:15	900.001	-0.027	2.208
4/28/2011 16:20	1200.001	-0.022	2.206
4/28/2011 16:25	1500.001	-0.023	2.207
4/28/2011 16:30	1800.001	-0.025	2.208
4/28/2011 16:35	2100.001	-0.029	2.209
4/28/2011 16:40	2400.001	-0.027	2.208
4/28/2011 16:45	2700.001	-0.029	2.209
4/28/2011 16:50	3000.001	-0.026	2.208
4/28/2011 16:55	3300.001	-0.026	2.208
4/28/2011 17:00	3600.001	-0.029	2.209
4/28/2011 17:30	5400.001	-0.03	2.21
4/28/2011 18:00	7200.001	-0.027	2.208
4/28/2011 18:30	9000.001	-0.023	2.206
4/28/2011 19:00	10800.001	-0.026	2.208
4/28/2011 19:30	12600.001	-0.02	2.205

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
4/28/2011 20:00	14400.001	-0.022	2.206
4/28/2011 20:30	16200.001	-0.013	2.202
4/28/2011 21:00	18000.001	-0.008	2.2
4/28/2011 22:00	21600.001	-0.008	2.2
4/28/2011 23:00	25200.001	-0.011	2.201
4/29/2011 0:00	28800.001	-0.016	2.203
4/29/2011 1:00	32400.001	-0.039	2.213
4/29/2011 2:00	36000.001	-0.057	2.221
4/29/2011 3:00	39600.001	-0.067	2.226
4/29/2011 4:00	43200.001	-0.057	2.221
4/29/2011 5:00	46800.001	-0.077	2.23
4/29/2011 6:00	50400.001	-0.083	2.233
4/29/2011 7:00	54000.001	-0.089	2.235
4/29/2011 8:00	57600.001	-0.081	2.232
4/29/2011 9:00	61200.001	-0.102	2.241
4/29/2011 10:00	64800.001	-0.124	2.25
4/29/2011 11:00	68400.001	-0.122	2.25
4/29/2011 12:00	72000.001	-0.108	2.243
4/29/2011 13:00	75600.001	-0.112	2.245
4/29/2011 14:00	79200.001	-0.114	2.246
4/29/2011 15:00	82800.001	-0.138	2.257
4/29/2011 16:00	86400.001	-0.123	2.25
4/29/2011 16:00	86405.001	-0.124	2.25
4/29/2011 16:00	86410.001	-0.119	2.248
4/29/2011 16:00	86415.001	-0.116	2.247
4/29/2011 16:00	86420.001	-0.12	2.248
4/29/2011 16:00	86425.001	-0.117	2.247
4/29/2011 16:00	86430.001	-0.128	2.252
4/29/2011 16:00	86435.001	-0.119	2.248
4/29/2011 16:00	86440.001	-0.121	2.249
4/29/2011 16:00	86445.001	-0.123	2.25
4/29/2011 16:00	86450.001	-0.122	2.25
4/29/2011 16:00	86455.001	-0.119	2.248
4/29/2011 16:01	86460.001	-0.125	2.251
4/29/2011 16:01	86465.001	-0.12	2.248
4/29/2011 16:01	86470.001	-0.119	2.248
4/29/2011 16:01	86475.001	-0.112	2.245
4/29/2011 16:01	86480.001	-0.127	2.252
4/29/2011 16:01	86485.001	-0.126	2.251
4/29/2011 16:01	86490.001	-0.122	2.25
4/29/2011 16:01	86495.001	-0.122	2.25
4/29/2011 16:01	86500.001	-0.112	2.245
4/29/2011 16:01	86505.001	-0.123	2.25
4/29/2011 16:01	86510.001	-0.119	2.248
4/29/2011 16:01	86515.001	-0.122	2.25

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
4/29/2011 16:02	86520.001	-0.121	2.249
4/29/2011 16:02	86525.001	-0.118	2.248
4/29/2011 16:02	86530.001	-0.122	2.249
4/29/2011 16:02	86535.001	-0.119	2.248
4/29/2011 16:02	86540.001	-0.118	2.248
4/29/2011 16:02	86545.001	-0.114	2.246
4/29/2011 16:02	86550.001	-0.118	2.248
4/29/2011 16:02	86555.001	-0.115	2.247
4/29/2011 16:02	86560.001	-0.12	2.249
4/29/2011 16:02	86565.001	-0.117	2.247
4/29/2011 16:02	86570.001	-0.12	2.249
4/29/2011 16:02	86575.001	-0.119	2.248
4/29/2011 16:03	86580.001	-0.12	2.249
4/29/2011 16:03	86585.001	-0.119	2.248
4/29/2011 16:03	86590.001	-0.113	2.245
4/29/2011 16:03	86595.001	-0.117	2.247
4/29/2011 16:03	86600.001	-0.113	2.246
4/29/2011 16:03	86605.001	-0.124	2.25
4/29/2011 16:03	86610.001	-0.121	2.249
4/29/2011 16:03	86615.001	-0.12	2.248
4/29/2011 16:03	86620.001	-0.124	2.25
4/29/2011 16:03	86625.001	-0.123	2.25
4/29/2011 16:03	86630.001	-0.12	2.249
4/29/2011 16:03	86635.001	-0.123	2.25
4/29/2011 16:04	86640.001	-0.119	2.248
4/29/2011 16:04	86645.001	-0.119	2.248
4/29/2011 16:04	86650.001	-0.122	2.249
4/29/2011 16:04	86655.001	-0.116	2.247
4/29/2011 16:04	86660.001	-0.117	2.247
4/29/2011 16:04	86665.001	-0.118	2.248
4/29/2011 16:04	86670.001	-0.121	2.249
4/29/2011 16:04	86675.001	-0.116	2.247
4/29/2011 16:04	86680.001	-0.122	2.25
4/29/2011 16:04	86685.001	-0.119	2.248
4/29/2011 16:04	86690.001	-0.12	2.249
4/29/2011 16:04	86695.001	-0.115	2.247
4/29/2011 16:05	86700.001	-0.117	2.247
4/29/2011 16:06	86760.001	-0.116	2.247
4/29/2011 16:07	86820.001	-0.117	2.247
4/29/2011 16:08	86880.001	-0.124	2.25
4/29/2011 16:09	86940.001	-0.128	2.252
4/29/2011 16:10	87000.001	-0.121	2.249
4/29/2011 16:11	87060.001	-0.118	2.248
4/29/2011 16:12	87120.001	-0.124	2.25
4/29/2011 16:13	87180.001	-0.115	2.246

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
4/29/2011 16:14	87240.001	-0.122	2.25
4/29/2011 16:15	87300.001	-0.121	2.249
4/29/2011 16:20	87600.001	-0.118	2.248
4/29/2011 16:25	87900.001	-0.109	2.244
4/29/2011 16:30	88200.001	-0.122	2.249
4/29/2011 16:35	88500.001	-0.117	2.247
4/29/2011 16:40	88800.001	-0.116	2.247
4/29/2011 16:45	89100.001	-0.106	2.242
4/29/2011 16:50	89400.001	-0.105	2.242
4/29/2011 16:55	89700.001	-0.104	2.242
4/29/2011 17:00	90000.001	-0.104	2.241
4/29/2011 17:30	91800.001	-0.099	2.24
4/29/2011 18:00	93600.001	-0.099	2.239
4/29/2011 18:30	95400.001	-0.095	2.238
4/29/2011 19:00	97200.001	-0.097	2.238
4/29/2011 19:30	99000.001	-0.088	2.235
4/29/2011 20:00	100800.001	-0.078	2.23
4/29/2011 20:30	102600.001	-0.06	2.223
4/29/2011 21:00	104400.001	-0.041	2.214
4/29/2011 22:00	108000.001	0.103	2.152
4/29/2011 23:00	111600.001	0.127	2.141
4/30/2011 0:00	115200.001	0.085	2.16
4/30/2011 1:00	118800.001	0.041	2.179
4/30/2011 2:00	122400.001	0.043	2.178
4/30/2011 3:00	126000.001	0.045	2.177
4/30/2011 4:00	129600.001	0.051	2.175
4/30/2011 5:00	133200.001	0.036	2.181
4/30/2011 6:00	136800.001	-0.006	2.199
4/30/2011 7:00	140400.001	0.037	2.18
4/30/2011 8:00	144000.001	0.05	2.175
4/30/2011 9:00	147600.001	0.029	2.184
4/30/2011 10:00	151200.001	-0.001	2.197
4/30/2011 11:00	154800.001	0.004	2.195
4/30/2011 12:00	158400.001	0.002	2.196
4/30/2011 13:00	162000.001	-0.02	2.205

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Report Date:	5/2/2011 9:18
Report User Nam	jgadt
Report Computer	KS-FIELD2-LTP
Application:	WinSitu.exe
Application Versi	5.6.21.0

Log File Properties

File Name	MW3A_042811_RW2_REDO_Append_2011-04-30_15-39-48-734.wsl
Create Date	4/30/2011 15:39

Device Properties

Device	Level TROLL 700				
Site	MW-3A				
Device Name					
Serial Number		164696			
Firmware Version		2.08			
Hardware Versior		3			
Device Address		1			
Device Comm Cfg		19200	8	Even	1
Used Memory		1			
Used Battery		8			

Log Configuration

	Log Name	MW3A_042811_RW2_REDO
	Created By	jgadt
	Computer Name	KS-FIELD2-LTP
	Application	WinSitu.exe
	Application Version	5.6.21.0
	Create Date	4/28/2011 2:47:22 PM Central Daylight Time
	Log Setup Time Zone	Central Daylight Time
	Notes Size(bytes)	4096
	Overwrite when full	Disabled
	Scheduled Start Time	4/28/2011 4:00:00 PM Central Daylight Time
	Scheduled Stop Time	4/30/2011 4:00:00 PM Central Daylight Time
	Type	Step Test
Steps	10 (Linear)	
	Step	1
	Duration	Days: 0 hrs: 00 mins: 05 secs: 00
	Interval	Days: 0 hrs: 00 mins: 00 secs: 05
	Step	2
	Duration	Days: 0 hrs: 00 mins: 10 secs: 00
	Interval	Days: 0 hrs: 00 mins: 01 secs: 00
	Step	3
	Duration	Days: 0 hrs: 00 mins: 45 secs: 00
	Interval	Days: 0 hrs: 00 mins: 05 secs: 00
	Step	4
	Duration	Days: 0 hrs: 04 mins: 00 secs: 00

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Interval	Days: 0 hrs: 00 mins: 30 secs: 00
Step	5
Duration	Days: 0 hrs: 19 mins: 00 secs: 00
Interval	Days: 0 hrs: 01 mins: 00 secs: 00
Step	6
Duration	Days: 0 hrs: 00 mins: 05 secs: 00
Interval	Days: 0 hrs: 00 mins: 00 secs: 05
Step	7
Duration	Days: 0 hrs: 00 mins: 10 secs: 00
Interval	Days: 0 hrs: 00 mins: 01 secs: 00
Step	8
Duration	Days: 0 hrs: 00 mins: 45 secs: 00
Interval	Days: 0 hrs: 00 mins: 05 secs: 00
Step	9
Duration	Days: 0 hrs: 04 mins: 00 secs: 00
Interval	Days: 0 hrs: 00 mins: 30 secs: 00
Step	10
Duration	Days: 0 hrs: 19 mins: 00 secs: 00
Interval	Days: 0 hrs: 01 mins: 00 secs: 00

Level Reference Settings At Log Creation

Level Measurement Mode	Level Depth To Water
Specific Gravity	0.999
Level Reference Mode:	Set new reference
Level Reference Value:	0 (ft)
Level Reference Head Pressure	1.40032 (PSI)

Other Log Settings

Depth of Probe:	3.23387 (ft)
Head Pressure:	1.40057 (PSI)
Temperature:	12.5149 (C)

Log Notes:

Date and Time	Note
4/28/2011 14:47	Used Battery: 8% Used Memory: 3% User Name: jgadt
4/29/2011 10:07	Log Download - Used Battery: 8% Used Memory: 3% User Name: jgadt
4/30/2011 15:39	Used Battery: 8% Used Memory: 3% User Name: jgadt
4/30/2011 15:39	Manual Stop Command

Log Data:

Record Count	212

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RW-2 Constant Rate Test - MW-3A Data File

Sensors 1

1 164696 Pressure/Temp 15 PSIG (11m/35ft)

Time Zone: Central Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 164696 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 164696 Pressure (PSI)
4/28/2011 16:00	0	-0.023	1.41
4/28/2011 16:00	5	-0.02	1.409
4/28/2011 16:00	10	-0.018	1.408
4/28/2011 16:00	15	-0.019	1.409
4/28/2011 16:00	20	-0.018	1.408
4/28/2011 16:00	25	-0.021	1.409
4/28/2011 16:00	30	-0.02	1.409
4/28/2011 16:00	35	-0.019	1.409
4/28/2011 16:00	40	-0.022	1.41
4/28/2011 16:00	45	-0.02	1.409
4/28/2011 16:00	50	-0.021	1.409
4/28/2011 16:00	55	-0.019	1.409
4/28/2011 16:01	60	-0.017	1.408
4/28/2011 16:01	65	-0.02	1.409
4/28/2011 16:01	70	-0.02	1.409
4/28/2011 16:01	75	-0.017	1.408
4/28/2011 16:01	80	-0.018	1.408
4/28/2011 16:01	85	-0.018	1.408
4/28/2011 16:01	90	-0.017	1.408
4/28/2011 16:01	95	-0.017	1.408
4/28/2011 16:01	100	-0.015	1.407
4/28/2011 16:01	105	-0.014	1.407
4/28/2011 16:01	110	-0.015	1.407
4/28/2011 16:01	115	-0.016	1.407
4/28/2011 16:02	120	-0.018	1.408
4/28/2011 16:02	125	-0.017	1.408
4/28/2011 16:02	130	-0.02	1.409
4/28/2011 16:02	135	-0.017	1.408
4/28/2011 16:02	140	-0.019	1.409
4/28/2011 16:02	145	-0.02	1.409
4/28/2011 16:02	150	-0.019	1.409
4/28/2011 16:02	155	-0.017	1.408
4/28/2011 16:02	160	-0.02	1.409
4/28/2011 16:02	165	-0.021	1.409
4/28/2011 16:02	170	-0.018	1.408
4/28/2011 16:02	175	-0.017	1.408
4/28/2011 16:03	180	-0.018	1.408
4/28/2011 16:03	185	-0.019	1.408
4/28/2011 16:03	190	-0.015	1.407

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 164696 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 164696 Pressure (PSI)
4/28/2011 16:03	195	-0.018	1.408
4/28/2011 16:03	200	-0.018	1.408
4/28/2011 16:03	205	-0.018	1.408
4/28/2011 16:03	210	-0.014	1.407
4/28/2011 16:03	215	-0.019	1.409
4/28/2011 16:03	220	-0.02	1.409
4/28/2011 16:03	225	-0.018	1.408
4/28/2011 16:03	230	-0.019	1.409
4/28/2011 16:03	235	-0.017	1.408
4/28/2011 16:04	240	-0.02	1.409
4/28/2011 16:04	245	-0.02	1.409
4/28/2011 16:04	250	-0.018	1.408
4/28/2011 16:04	255	-0.017	1.408
4/28/2011 16:04	260	-0.017	1.408
4/28/2011 16:04	265	-0.019	1.409
4/28/2011 16:04	270	-0.019	1.408
4/28/2011 16:04	275	-0.018	1.408
4/28/2011 16:04	280	-0.017	1.408
4/28/2011 16:04	285	-0.018	1.408
4/28/2011 16:04	290	-0.018	1.408
4/28/2011 16:04	295	-0.014	1.407
4/28/2011 16:05	300	-0.015	1.407
4/28/2011 16:06	360	-0.019	1.408
4/28/2011 16:07	420	-0.018	1.408
4/28/2011 16:08	480	-0.023	1.41
4/28/2011 16:09	540	-0.021	1.41
4/28/2011 16:10	600	-0.018	1.408
4/28/2011 16:11	660	-0.017	1.408
4/28/2011 16:12	720	-0.017	1.408
4/28/2011 16:13	780	-0.019	1.409
4/28/2011 16:14	840	-0.018	1.408
4/28/2011 16:15	900	-0.017	1.408
4/28/2011 16:20	1200	-0.015	1.407
4/28/2011 16:25	1500	-0.013	1.406
4/28/2011 16:30	1800	-0.015	1.407
4/28/2011 16:35	2100	-0.018	1.408
4/28/2011 16:40	2400	-0.016	1.407
4/28/2011 16:45	2700	-0.018	1.408
4/28/2011 16:50	3000	-0.018	1.408
4/28/2011 16:55	3300	-0.017	1.408
4/28/2011 17:00	3600	-0.017	1.408
4/28/2011 17:30	5400	-0.017	1.408
4/28/2011 18:00	7200	-0.011	1.405
4/28/2011 18:30	9000	-0.008	1.404
4/28/2011 19:00	10800	-0.009	1.404

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 164696 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 164696 Pressure (PSI)
4/28/2011 19:30	12600	-0.006	1.403
4/28/2011 20:00	14400	-0.005	1.402
4/28/2011 20:30	16200	0.002	1.4
4/28/2011 21:00	18000	0.006	1.398
4/28/2011 22:00	21600	0.008	1.397
4/28/2011 23:00	25200	0.009	1.396
4/29/2011 0:00	28800	0.003	1.399
4/29/2011 1:00	32400	-0.016	1.407
4/29/2011 2:00	36000	-0.032	1.414
4/29/2011 3:00	39600	-0.037	1.416
4/29/2011 4:00	43200	-0.028	1.413
4/29/2011 5:00	46800	-0.043	1.419
4/29/2011 6:00	50400	-0.053	1.423
4/29/2011 7:00	54000	-0.05	1.422
4/29/2011 8:00	57600	-0.049	1.421
4/29/2011 9:00	61200	-0.06	1.426
4/29/2011 10:00	64800	-0.08	1.435
4/29/2011 11:00	68400	-0.082	1.436
4/29/2011 12:00	72000	-0.06	1.426
4/29/2011 13:00	75600	-0.069	1.43
4/29/2011 14:00	79200	-0.076	1.433
4/29/2011 15:00	82800	-0.083	1.436
4/29/2011 16:00	86400	-0.066	1.429
4/29/2011 16:00	86405	-0.077	1.434
4/29/2011 16:00	86410	-0.083	1.436
4/29/2011 16:00	86415	-0.08	1.435
4/29/2011 16:00	86420	-0.081	1.436
4/29/2011 16:00	86425	-0.075	1.433
4/29/2011 16:00	86430	-0.088	1.438
4/29/2011 16:00	86435	-0.09	1.439
4/29/2011 16:00	86440	-0.078	1.434
4/29/2011 16:00	86445	-0.076	1.433
4/29/2011 16:00	86450	-0.083	1.436
4/29/2011 16:00	86455	-0.074	1.432
4/29/2011 16:01	86460	-0.078	1.434
4/29/2011 16:01	86465	-0.094	1.441
4/29/2011 16:01	86470	-0.079	1.435
4/29/2011 16:01	86475	-0.084	1.437
4/29/2011 16:01	86480	-0.075	1.433
4/29/2011 16:01	86485	-0.074	1.432
4/29/2011 16:01	86490	-0.078	1.434
4/29/2011 16:01	86495	-0.075	1.433
4/29/2011 16:01	86500	-0.07	1.431
4/29/2011 16:01	86505	-0.085	1.437
4/29/2011 16:01	86510	-0.069	1.43

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 164696 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 164696 Pressure (PSI)
4/29/2011 16:01	86515	-0.078	1.434
4/29/2011 16:02	86520	-0.086	1.437
4/29/2011 16:02	86525	-0.081	1.435
4/29/2011 16:02	86530	-0.075	1.433
4/29/2011 16:02	86535	-0.076	1.433
4/29/2011 16:02	86540	-0.073	1.432
4/29/2011 16:02	86545	-0.075	1.433
4/29/2011 16:02	86550	-0.077	1.434
4/29/2011 16:02	86555	-0.082	1.436
4/29/2011 16:02	86560	-0.081	1.435
4/29/2011 16:02	86565	-0.075	1.433
4/29/2011 16:02	86570	-0.086	1.438
4/29/2011 16:02	86575	-0.081	1.435
4/29/2011 16:03	86580	-0.078	1.434
4/29/2011 16:03	86585	-0.083	1.436
4/29/2011 16:03	86590	-0.081	1.435
4/29/2011 16:03	86595	-0.078	1.434
4/29/2011 16:03	86600	-0.083	1.436
4/29/2011 16:03	86605	-0.082	1.436
4/29/2011 16:03	86610	-0.087	1.438
4/29/2011 16:03	86615	-0.083	1.436
4/29/2011 16:03	86620	-0.074	1.432
4/29/2011 16:03	86625	-0.084	1.437
4/29/2011 16:03	86630	-0.08	1.435
4/29/2011 16:03	86635	-0.076	1.433
4/29/2011 16:04	86640	-0.077	1.434
4/29/2011 16:04	86645	-0.073	1.432
4/29/2011 16:04	86650	-0.079	1.435
4/29/2011 16:04	86655	-0.077	1.434
4/29/2011 16:04	86660	-0.077	1.433
4/29/2011 16:04	86665	-0.073	1.432
4/29/2011 16:04	86670	-0.078	1.434
4/29/2011 16:04	86675	-0.083	1.436
4/29/2011 16:04	86680	-0.083	1.436
4/29/2011 16:04	86685	-0.085	1.437
4/29/2011 16:04	86690	-0.076	1.433
4/29/2011 16:04	86695	-0.085	1.437
4/29/2011 16:05	86700	-0.089	1.439
4/29/2011 16:06	86760	-0.084	1.437
4/29/2011 16:07	86820	-0.08	1.435
4/29/2011 16:08	86880	-0.082	1.436
4/29/2011 16:09	86940	-0.085	1.437
4/29/2011 16:10	87000	-0.083	1.436
4/29/2011 16:11	87060	-0.081	1.436
4/29/2011 16:12	87120	-0.088	1.438

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 164696 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 164696 Pressure (PSI)
4/29/2011 16:13	87180	-0.087	1.438
4/29/2011 16:14	87240	-0.085	1.437
4/29/2011 16:15	87300	-0.089	1.439
4/29/2011 16:20	87600	-0.083	1.436
4/29/2011 16:25	87900	-0.082	1.436
4/29/2011 16:30	88200	-0.07	1.431
4/29/2011 16:35	88500	-0.08	1.435
4/29/2011 16:40	88800	-0.076	1.433
4/29/2011 16:45	89100	-0.076	1.433
4/29/2011 16:50	89400	-0.076	1.433
4/29/2011 16:55	89700	-0.075	1.433
4/29/2011 17:00	90000	-0.07	1.431
4/29/2011 17:30	91800	-0.069	1.43
4/29/2011 18:00	93600	-0.07	1.431
4/29/2011 18:30	95400	-0.069	1.43
4/29/2011 19:00	97200	-0.088	1.438
4/29/2011 19:30	99000	-0.07	1.431
4/29/2011 20:00	100800	-0.067	1.429
4/29/2011 20:30	102600	-0.051	1.422
4/29/2011 21:00	104400	-0.031	1.414
4/29/2011 22:00	108000	0.091	1.361
4/29/2011 23:00	111600	0.101	1.357
4/30/2011 0:00	115200	0.064	1.373
4/30/2011 1:00	118800	0.032	1.386
4/30/2011 2:00	122400	0.03	1.387
4/30/2011 3:00	126000	0.031	1.387
4/30/2011 4:00	129600	0.032	1.387
4/30/2011 5:00	133200	0.016	1.394
4/30/2011 6:00	136800	-0.023	1.41
4/30/2011 7:00	140400	0.018	1.393
4/30/2011 8:00	144000	0.024	1.39
4/30/2011 9:00	147600	0.002	1.399
4/30/2011 10:00	151200	-0.024	1.411
4/30/2011 11:00	154800	-0.021	1.41
4/30/2011 12:00	158400	-0.022	1.41
4/30/2011 13:00	162000	-0.047	1.421
4/30/2011 14:00	165600	-0.057	1.425
4/30/2011 15:00	169200	-0.042	1.419

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Report Date:	5/2/2011 9:18
Report User Nam	jgadt
Report Computer	KS-FIELD2-LTP
Application:	WinSitu.exe
Application Versi	5.6.21.0

Log File Properties

File Name	MW3B_042811_RW2CRATE_REDO_Append_2011-04-30_15-36-34-875.wsl
Create Date	4/30/2011 15:36

Device Properties

Device	Level TROLL 700				
Site	MW-3B				
Device Name					
Serial Number		122789			
Firmware Version		2.08			
Hardware Versior		2			
Device Address		1			
Device Comm Cfg		19200	8	Even	1
Used Memory		1			
Used Battery		30			

Log Configuration

	Log Name	MW3B_042811_RW2CRATE_REDO
	Created By	jgadt
	Computer Name	KS-FIELD2-LTP
	Application	WinSitu.exe
	Application Version	5.6.21.0
	Create Date	4/28/2011 2:45:23 PM Central Daylight Time
	Log Setup Time Zone	Central Daylight Time
	Notes Size(bytes)	4096
	Overwrite when full	Disabled
	Scheduled Start Time	4/28/2011 4:00:00 PM Central Daylight Time
	Scheduled Stop Time	4/30/2011 4:00:00 PM Central Daylight Time
	Type	Step Test
Steps	10 (Linear)	
	Step	1
	Duration	Days: 0 hrs: 00 mins: 05 secs: 00
	Interval	Days: 0 hrs: 00 mins: 00 secs: 05
	Step	2
	Duration	Days: 0 hrs: 00 mins: 10 secs: 00
	Interval	Days: 0 hrs: 00 mins: 01 secs: 00
	Step	3
	Duration	Days: 0 hrs: 00 mins: 45 secs: 00
	Interval	Days: 0 hrs: 00 mins: 05 secs: 00
	Step	4
	Duration	Days: 0 hrs: 04 mins: 00 secs: 00

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Interval	Days: 0 hrs: 00 mins: 30 secs: 00
Step	5
Duration	Days: 0 hrs: 19 mins: 00 secs: 00
Interval	Days: 0 hrs: 01 mins: 00 secs: 00
Step	6
Duration	Days: 0 hrs: 00 mins: 05 secs: 00
Interval	Days: 0 hrs: 00 mins: 00 secs: 05
Step	7
Duration	Days: 0 hrs: 00 mins: 10 secs: 00
Interval	Days: 0 hrs: 00 mins: 01 secs: 00
Step	8
Duration	Days: 0 hrs: 00 mins: 45 secs: 00
Interval	Days: 0 hrs: 00 mins: 05 secs: 00
Step	9
Duration	Days: 0 hrs: 04 mins: 00 secs: 00
Interval	Days: 0 hrs: 00 mins: 30 secs: 00
Step	10
Duration	Days: 0 hrs: 19 mins: 00 secs: 00
Interval	Days: 0 hrs: 01 mins: 00 secs: 00

Level Reference Settings At Log Creation

Level Measurement Mode	Level Depth To Water
Specific Gravity	0.999
Level Reference Mode:	Set new reference
Level Reference Value:	0 (ft)
Level Reference Head Pressure	2.93182 (PSI)

Other Log Settings

Depth of Probe:	6.76991 (ft)
Head Pressure:	2.93201 (PSI)
Temperature:	12.504 (C)

Log Notes:

Date and Time	Note
4/28/2011 14:45	Used Battery: 30% Used Memory: 3% User Name: jgadt
4/29/2011 10:04	Log Download - Used Battery: 30% Used Memory: 3% User Name: jgadt
4/30/2011 10:07	Log Download - Used Battery: 30% Used Memory: 3% User Name: jgadt
4/30/2011 15:36	Used Battery: 30% Used Memory: 3% User Name: jgadt
4/30/2011 15:36	Manual Stop Command

Log Data:

Record Count	212

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RW-2 Constant Rate Test - MW-3B Data File

Sensors 1

1 122789 Pressure/Temp 15 PSIG (11m/35ft)

Time Zone: Central Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122789 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122789 Pressure (PSI)
4/28/2011 16:00	0	-0.022	2.941
4/28/2011 16:00	5.001	-0.02	2.941
4/28/2011 16:00	10.001	-0.018	2.94
4/28/2011 16:00	15.001	-0.016	2.939
4/28/2011 16:00	20.001	-0.022	2.941
4/28/2011 16:00	25.001	-0.016	2.939
4/28/2011 16:00	30.001	-0.022	2.941
4/28/2011 16:00	35.001	-0.017	2.939
4/28/2011 16:00	40.001	-0.024	2.942
4/28/2011 16:00	45.001	-0.021	2.941
4/28/2011 16:00	50.001	-0.02	2.94
4/28/2011 16:00	55.001	-0.019	2.94
4/28/2011 16:01	60.001	-0.021	2.941
4/28/2011 16:01	65.001	-0.019	2.94
4/28/2011 16:01	70.001	-0.021	2.941
4/28/2011 16:01	75.001	-0.019	2.94
4/28/2011 16:01	80.001	-0.019	2.94
4/28/2011 16:01	85.001	-0.017	2.939
4/28/2011 16:01	90.001	-0.02	2.94
4/28/2011 16:01	95.001	-0.018	2.94
4/28/2011 16:01	100.001	-0.019	2.94
4/28/2011 16:01	105.001	-0.021	2.941
4/28/2011 16:01	110.001	-0.018	2.94
4/28/2011 16:01	115.001	-0.018	2.94
4/28/2011 16:02	120.001	-0.015	2.938
4/28/2011 16:02	125.001	-0.018	2.94
4/28/2011 16:02	130.001	-0.013	2.938
4/28/2011 16:02	135.001	-0.026	2.943
4/28/2011 16:02	140.001	-0.02	2.941
4/28/2011 16:02	145.001	-0.017	2.939
4/28/2011 16:02	150.001	-0.022	2.941
4/28/2011 16:02	155.001	-0.019	2.94
4/28/2011 16:02	160.001	-0.019	2.94
4/28/2011 16:02	165.001	-0.019	2.94
4/28/2011 16:02	170.001	-0.022	2.941
4/28/2011 16:02	175.001	-0.022	2.941
4/28/2011 16:03	180.001	-0.022	2.941
4/28/2011 16:03	185.001	-0.02	2.94

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122789 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122789 Pressure (PSI)
4/28/2011 16:03	190.001	-0.018	2.94
4/28/2011 16:03	195.001	-0.019	2.94
4/28/2011 16:03	200.001	-0.022	2.941
4/28/2011 16:03	205.001	-0.02	2.94
4/28/2011 16:03	210.001	-0.021	2.941
4/28/2011 16:03	215.001	-0.02	2.94
4/28/2011 16:03	220.001	-0.021	2.941
4/28/2011 16:03	225.001	-0.022	2.942
4/28/2011 16:03	230.001	-0.024	2.942
4/28/2011 16:03	235.001	-0.021	2.941
4/28/2011 16:04	240.001	-0.019	2.94
4/28/2011 16:04	245.001	-0.018	2.94
4/28/2011 16:04	250.001	-0.022	2.941
4/28/2011 16:04	255.001	-0.021	2.941
4/28/2011 16:04	260.001	-0.022	2.941
4/28/2011 16:04	265.001	-0.019	2.94
4/28/2011 16:04	270.001	-0.018	2.939
4/28/2011 16:04	275.001	-0.026	2.943
4/28/2011 16:04	280.001	-0.019	2.94
4/28/2011 16:04	285.001	-0.019	2.94
4/28/2011 16:04	290.001	-0.024	2.942
4/28/2011 16:04	295.001	-0.021	2.941
4/28/2011 16:05	300.001	-0.021	2.941
4/28/2011 16:06	360.001	-0.018	2.94
4/28/2011 16:07	420.001	-0.024	2.942
4/28/2011 16:08	480.001	-0.024	2.942
4/28/2011 16:09	540.001	-0.025	2.943
4/28/2011 16:10	600.001	-0.022	2.941
4/28/2011 16:11	660.001	-0.019	2.94
4/28/2011 16:12	720.001	-0.021	2.941
4/28/2011 16:13	780.001	-0.021	2.941
4/28/2011 16:14	840.001	-0.02	2.941
4/28/2011 16:15	900.001	-0.021	2.941
4/28/2011 16:20	1200.001	-0.02	2.94
4/28/2011 16:25	1500.001	-0.02	2.941
4/28/2011 16:30	1800.001	-0.02	2.941
4/28/2011 16:35	2100.001	-0.022	2.941
4/28/2011 16:40	2400.001	-0.018	2.94
4/28/2011 16:45	2700.001	-0.024	2.942
4/28/2011 16:50	3000.001	-0.022	2.941
4/28/2011 16:55	3300.001	-0.026	2.943
4/28/2011 17:00	3600.001	-0.028	2.944
4/28/2011 17:30	5400.001	-0.03	2.945
4/28/2011 18:00	7200.001	-0.033	2.946
4/28/2011 18:30	9000.001	-0.035	2.947

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122789 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122789 Pressure (PSI)
4/28/2011 19:00	10800.001	-0.034	2.947
4/28/2011 19:30	12600.001	-0.034	2.946
4/28/2011 20:00	14400.001	-0.035	2.947
4/28/2011 20:30	16200.001	-0.031	2.945
4/28/2011 21:00	18000.001	-0.03	2.945
4/28/2011 22:00	21600.001	-0.026	2.943
4/28/2011 23:00	25200.001	-0.025	2.943
4/29/2011 0:00	28800.001	-0.031	2.945
4/29/2011 1:00	32400.001	-0.054	2.955
4/29/2011 2:00	36000.001	-0.078	2.965
4/29/2011 3:00	39600.001	-0.1	2.975
4/29/2011 4:00	43200.001	-0.11	2.98
4/29/2011 5:00	46800.001	-0.125	2.986
4/29/2011 6:00	50400.001	-0.133	2.99
4/29/2011 7:00	54000.001	-0.131	2.989
4/29/2011 8:00	57600.001	-0.131	2.989
4/29/2011 9:00	61200.001	-0.136	2.991
4/29/2011 10:00	64800.001	-0.146	2.995
4/29/2011 11:00	68400.001	-0.158	3
4/29/2011 12:00	72000.001	-0.141	2.993
4/29/2011 13:00	75600.001	-0.159	3.001
4/29/2011 14:00	79200.001	-0.169	3.005
4/29/2011 15:00	82800.001	-0.177	3.008
4/29/2011 16:00	86400.001	-0.176	3.008
4/29/2011 16:00	86405.001	-0.184	3.012
4/29/2011 16:00	86410.001	-0.194	3.016
4/29/2011 16:00	86415.001	-0.185	3.012
4/29/2011 16:00	86420.001	-0.19	3.014
4/29/2011 16:00	86425.001	-0.178	3.009
4/29/2011 16:00	86430.001	-0.189	3.014
4/29/2011 16:00	86435.001	-0.195	3.016
4/29/2011 16:00	86440.001	-0.189	3.013
4/29/2011 16:00	86445.001	-0.179	3.01
4/29/2011 16:00	86450.001	-0.187	3.013
4/29/2011 16:00	86455.001	-0.178	3.009
4/29/2011 16:01	86460.001	-0.184	3.011
4/29/2011 16:01	86465.001	-0.193	3.015
4/29/2011 16:01	86470.001	-0.18	3.01
4/29/2011 16:01	86475.001	-0.191	3.015
4/29/2011 16:01	86480.001	-0.184	3.012
4/29/2011 16:01	86485.001	-0.183	3.011
4/29/2011 16:01	86490.001	-0.188	3.013
4/29/2011 16:01	86495.001	-0.186	3.012
4/29/2011 16:01	86500.001	-0.177	3.009
4/29/2011 16:01	86505.001	-0.183	3.011

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122789 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122789 Pressure (PSI)
4/29/2011 16:01	86510.001	-0.183	3.011
4/29/2011 16:01	86515.001	-0.187	3.013
4/29/2011 16:02	86520.001	-0.189	3.014
4/29/2011 16:02	86525.001	-0.195	3.016
4/29/2011 16:02	86530.001	-0.188	3.013
4/29/2011 16:02	86535.001	-0.183	3.011
4/29/2011 16:02	86540.001	-0.183	3.011
4/29/2011 16:02	86545.001	-0.184	3.011
4/29/2011 16:02	86550.001	-0.184	3.011
4/29/2011 16:02	86555.001	-0.205	3.02
4/29/2011 16:02	86560.001	-0.186	3.012
4/29/2011 16:02	86565.001	-0.186	3.012
4/29/2011 16:02	86570.001	-0.183	3.011
4/29/2011 16:02	86575.001	-0.179	3.009
4/29/2011 16:03	86580.001	-0.182	3.011
4/29/2011 16:03	86585.001	-0.191	3.015
4/29/2011 16:03	86590.001	-0.184	3.012
4/29/2011 16:03	86595.001	-0.19	3.014
4/29/2011 16:03	86600.001	-0.186	3.012
4/29/2011 16:03	86605.001	-0.184	3.012
4/29/2011 16:03	86610.001	-0.194	3.016
4/29/2011 16:03	86615.001	-0.191	3.014
4/29/2011 16:03	86620.001	-0.182	3.01
4/29/2011 16:03	86625.001	-0.192	3.015
4/29/2011 16:03	86630.001	-0.188	3.013
4/29/2011 16:03	86635.001	-0.188	3.013
4/29/2011 16:04	86640.001	-0.186	3.012
4/29/2011 16:04	86645.001	-0.189	3.014
4/29/2011 16:04	86650.001	-0.186	3.012
4/29/2011 16:04	86655.001	-0.185	3.012
4/29/2011 16:04	86660.001	-0.187	3.013
4/29/2011 16:04	86665.001	-0.181	3.01
4/29/2011 16:04	86670.001	-0.187	3.013
4/29/2011 16:04	86675.001	-0.188	3.013
4/29/2011 16:04	86680.001	-0.187	3.013
4/29/2011 16:04	86685.001	-0.185	3.012
4/29/2011 16:04	86690.001	-0.182	3.011
4/29/2011 16:04	86695.001	-0.183	3.011
4/29/2011 16:05	86700.001	-0.192	3.015
4/29/2011 16:06	86760.001	-0.19	3.014
4/29/2011 16:07	86820.001	-0.199	3.018
4/29/2011 16:08	86880.001	-0.189	3.014
4/29/2011 16:09	86940.001	-0.189	3.014
4/29/2011 16:10	87000.001	-0.192	3.015
4/29/2011 16:11	87060.001	-0.188	3.013

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122789 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122789 Pressure (PSI)
4/29/2011 16:12	87120.001	-0.192	3.015
4/29/2011 16:13	87180.001	-0.206	3.021
4/29/2011 16:14	87240.001	-0.189	3.014
4/29/2011 16:15	87300.001	-0.18	3.01
4/29/2011 16:20	87600.001	-0.193	3.016
4/29/2011 16:25	87900.001	-0.187	3.013
4/29/2011 16:30	88200.001	-0.203	3.02
4/29/2011 16:35	88500.001	-0.185	3.012
4/29/2011 16:40	88800.001	-0.185	3.012
4/29/2011 16:45	89100.001	-0.184	3.011
4/29/2011 16:50	89400.001	-0.185	3.012
4/29/2011 16:55	89700.001	-0.178	3.009
4/29/2011 17:00	90000.001	-0.182	3.011
4/29/2011 17:30	91800.001	-0.178	3.009
4/29/2011 18:00	93600.001	-0.18	3.01
4/29/2011 18:30	95400.001	-0.18	3.01
4/29/2011 19:00	97200.001	-0.176	3.008
4/29/2011 19:30	99000.001	-0.176	3.008
4/29/2011 20:00	100800.001	-0.17	3.006
4/29/2011 20:30	102600.001	-0.161	3.002
4/29/2011 21:00	104400.001	-0.145	2.995
4/29/2011 22:00	108000.001	-0.049	2.953
4/29/2011 23:00	111600.001	0.005	2.93
4/30/2011 0:00	115200.001	0.004	2.93
4/30/2011 1:00	118800.001	-0.006	2.935
4/30/2011 2:00	122400.001	0.001	2.931
4/30/2011 3:00	126000.001	-0.003	2.933
4/30/2011 4:00	129600.001	0.002	2.931
4/30/2011 5:00	133200.001	-0.002	2.933
4/30/2011 6:00	136800.001	-0.034	2.946
4/30/2011 7:00	140400.001	-0.004	2.934
4/30/2011 8:00	144000.001	0.01	2.928
4/30/2011 9:00	147600.001	0	2.932
4/30/2011 10:00	151200.001	-0.025	2.943
4/30/2011 11:00	154800.001	-0.023	2.942
4/30/2011 12:00	158400.001	-0.026	2.943
4/30/2011 13:00	162000.001	-0.046	2.952
4/30/2011 14:00	165600.001	-0.059	2.957
4/30/2011 15:00	169200.001	-0.066	2.96

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Report Date:	5/2/2011 9:18
Report User Nam	jgadt
Report Computer	KS-FIELD2-LTP
Application:	WinSitu.exe
Application Versi	5.6.21.0

Log File Properties

File Name	MW3D_042811_RW2CRATE_REDO_Append_2011-04-30_15-42-22-921.wsl
Create Date	4/30/2011 15:42

Device Properties

Device	Level TROLL 700				
Site	MW-3D				
Device Name					
Serial Number		120084			
Firmware Version		2.08			
Hardware Versior		2			
Device Address		1			
Device Comm Cfg		19200	8	Even	1
Used Memory		1			
Used Battery		34			

Log Configuration

	Log Name	MW3D_042811_RW2CRATE_REDO
	Created By	jgadt
	Computer Name	KS-FIELD2-LTP
	Application	WinSitu.exe
	Application Version	5.6.21.0
	Create Date	4/28/2011 2:49:57 PM Central Daylight Time
	Log Setup Time Zone	Central Daylight Time
	Notes Size(bytes)	4096
	Overwrite when full	Disabled
	Scheduled Start Time	4/28/2011 4:00:00 PM Central Daylight Time
	Scheduled Stop Time	4/30/2011 4:00:00 PM Central Daylight Time
	Type	Step Test
Steps	10 (Linear)	
	Step	1
	Duration	Days: 0 hrs: 00 mins: 05 secs: 00
	Interval	Days: 0 hrs: 00 mins: 00 secs: 05
	Step	2
	Duration	Days: 0 hrs: 00 mins: 10 secs: 00
	Interval	Days: 0 hrs: 00 mins: 01 secs: 00
	Step	3
	Duration	Days: 0 hrs: 00 mins: 45 secs: 00
	Interval	Days: 0 hrs: 00 mins: 05 secs: 00
	Step	4
	Duration	Days: 0 hrs: 04 mins: 00 secs: 00

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Interval	Days: 0 hrs: 00 mins: 30 secs: 00
Step	5
Duration	Days: 0 hrs: 19 mins: 00 secs: 00
Interval	Days: 0 hrs: 01 mins: 00 secs: 00
Step	6
Duration	Days: 0 hrs: 00 mins: 05 secs: 00
Interval	Days: 0 hrs: 00 mins: 00 secs: 05
Step	7
Duration	Days: 0 hrs: 00 mins: 10 secs: 00
Interval	Days: 0 hrs: 00 mins: 01 secs: 00
Step	8
Duration	Days: 0 hrs: 00 mins: 45 secs: 00
Interval	Days: 0 hrs: 00 mins: 05 secs: 00
Step	9
Duration	Days: 0 hrs: 04 mins: 00 secs: 00
Interval	Days: 0 hrs: 00 mins: 30 secs: 00
Step	10
Duration	Days: 0 hrs: 19 mins: 00 secs: 00
Interval	Days: 0 hrs: 01 mins: 00 secs: 00

Level Reference Settings At Log Creation

Level Measurement Mode	Level Depth To Water
Specific Gravity	0.999
Level Reference Mode:	Set new reference
Level Reference Value:	0 (ft)
Level Reference Head Pressure	2.53734 (PSI)

Other Log Settings

Depth of Probe:	5.84916 (ft)
Head Pressure:	2.53323 (PSI)
Temperature:	12.4998 (C)

Log Notes:

Date and Time	Note
4/28/2011 14:50	Used Battery: 34% Used Memory: 3% User Name: jgadt
4/29/2011 10:10	Log Download - Used Battery: 34% Used Memory: 3% User Name: jgadt
4/30/2011 15:42	Used Battery: 34% Used Memory: 3% User Name: jgadt
4/30/2011 15:42	Manual Stop Command

Log Data:

Record Count	212

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RW-2 Constant Rate Test - MW-3D Data File

Sensors 1

1 120084 Pressure/Temp 15 PSIG (11m/35ft)

Time Zone: Central Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 120084 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 120084 Pressure (PSI)
4/28/2011 16:00	0	-0.01	2.542
4/28/2011 16:00	5.001	-0.005	2.539
4/28/2011 16:00	10.001	-0.001	2.538
4/28/2011 16:00	15.001	0.011	2.533
4/28/2011 16:00	20.001	0	2.538
4/28/2011 16:00	25.001	0	2.537
4/28/2011 16:00	30.001	-0.004	2.539
4/28/2011 16:00	35.001	-0.002	2.538
4/28/2011 16:00	40.001	-0.002	2.538
4/28/2011 16:00	45.001	-0.002	2.538
4/28/2011 16:00	50.001	-0.001	2.538
4/28/2011 16:00	55.001	0.001	2.537
4/28/2011 16:01	60.001	-0.002	2.538
4/28/2011 16:01	65.001	0	2.537
4/28/2011 16:01	70.001	-0.003	2.539
4/28/2011 16:01	75.001	-0.002	2.538
4/28/2011 16:01	80.001	-0.001	2.538
4/28/2011 16:01	85.001	-0.002	2.538
4/28/2011 16:01	90.001	-0.004	2.539
4/28/2011 16:01	95.001	-0.001	2.538
4/28/2011 16:01	100.001	-0.001	2.538
4/28/2011 16:01	105.001	-0.001	2.538
4/28/2011 16:01	110.001	0.002	2.537
4/28/2011 16:01	115.001	-0.004	2.539
4/28/2011 16:02	120.001	-0.009	2.541
4/28/2011 16:02	125.001	-0.007	2.54
4/28/2011 16:02	130.001	-0.006	2.54
4/28/2011 16:02	135.001	-0.002	2.538
4/28/2011 16:02	140.001	-0.007	2.54
4/28/2011 16:02	145.001	-0.001	2.538
4/28/2011 16:02	150.001	-0.008	2.541
4/28/2011 16:02	155.001	-0.003	2.539
4/28/2011 16:02	160.001	-0.005	2.54
4/28/2011 16:02	165.001	-0.005	2.54
4/28/2011 16:02	170.001	-0.003	2.539
4/28/2011 16:02	175.001	-0.003	2.539
4/28/2011 16:03	180.001	-0.002	2.538
4/28/2011 16:03	185.001	0.002	2.536
4/28/2011 16:03	190.001	0	2.537

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4/28/2011 16:03	195.001	0.001	2.537
4/28/2011 16:03	200.001	-0.004	2.539
4/28/2011 16:03	205.001	0.002	2.536
4/28/2011 16:03	210.001	-0.002	2.538
4/28/2011 16:03	215.001	0.001	2.537
4/28/2011 16:03	220.001	-0.003	2.539
4/28/2011 16:03	225.001	-0.007	2.54
4/28/2011 16:03	230.001	-0.009	2.541
4/28/2011 16:03	235.001	-0.004	2.539
4/28/2011 16:04	240.001	-0.003	2.539
4/28/2011 16:04	245.001	-0.006	2.54
4/28/2011 16:04	250.001	-0.003	2.538
4/28/2011 16:04	255.001	-0.002	2.538
4/28/2011 16:04	260.001	0.004	2.536
4/28/2011 16:04	265.001	-0.006	2.54
4/28/2011 16:04	270.001	-0.004	2.539
4/28/2011 16:04	275.001	-0.005	2.539
4/28/2011 16:04	280.001	0	2.537
4/28/2011 16:04	285.001	-0.003	2.539
4/28/2011 16:04	290.001	0	2.537
4/28/2011 16:04	295.001	-0.003	2.539
4/28/2011 16:05	300.001	0.007	2.535
4/28/2011 16:06	360.001	-0.005	2.54
4/28/2011 16:07	420.001	0.004	2.536
4/28/2011 16:08	480.001	-0.003	2.539
4/28/2011 16:09	540.001	-0.002	2.538
4/28/2011 16:10	600.001	-0.004	2.539
4/28/2011 16:11	660.001	0.001	2.537
4/28/2011 16:12	720.001	-0.006	2.54
4/28/2011 16:13	780.001	-0.006	2.54
4/28/2011 16:14	840.001	-0.001	2.538
4/28/2011 16:15	900.001	-0.002	2.538
4/28/2011 16:20	1200.001	-0.004	2.539
4/28/2011 16:25	1500.001	-0.006	2.54
4/28/2011 16:30	1800.001	-0.004	2.539
4/28/2011 16:35	2100.001	-0.004	2.539
4/28/2011 16:40	2400.001	-0.01	2.542
4/28/2011 16:45	2700.001	-0.008	2.541
4/28/2011 16:50	3000.001	-0.012	2.543
4/28/2011 16:55	3300.001	-0.015	2.544
4/28/2011 17:00	3600.001	-0.017	2.545
4/28/2011 17:30	5400.001	-0.023	2.547
4/28/2011 18:00	7200.001	-0.026	2.549
4/28/2011 18:30	9000.001	-0.031	2.551
4/28/2011 19:00	10800.001	-0.031	2.551
4/28/2011 19:30	12600.001	-0.03	2.55
4/28/2011 20:00	14400.001	-0.032	2.551
4/28/2011 20:30	16200.001	-0.03	2.55

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4/28/2011 21:00	18000.001	-0.029	2.55
4/28/2011 22:00	21600.001	-0.025	2.548
4/28/2011 23:00	25200.001	-0.026	2.549
4/29/2011 0:00	28800.001	-0.03	2.55
4/29/2011 1:00	32400.001	-0.056	2.562
4/29/2011 2:00	36000.001	-0.085	2.574
4/29/2011 3:00	39600.001	-0.116	2.588
4/29/2011 4:00	43200.001	-0.131	2.594
4/29/2011 5:00	46800.001	-0.145	2.6
4/29/2011 6:00	50400.001	-0.152	2.603
4/29/2011 7:00	54000.001	-0.152	2.603
4/29/2011 8:00	57600.001	-0.153	2.603
4/29/2011 9:00	61200.001	-0.154	2.604
4/29/2011 10:00	64800.001	-0.172	2.612
4/29/2011 11:00	68400.001	-0.179	2.615
4/29/2011 12:00	72000.001	-0.168	2.61
4/29/2011 13:00	75600.001	-0.189	2.619
4/29/2011 14:00	79200.001	-0.196	2.622
4/29/2011 15:00	82800.001	-0.214	2.63
4/29/2011 16:00	86400.001	-0.213	2.629
4/29/2011 16:00	86405.001	-0.23	2.637
4/29/2011 16:00	86410.001	-0.239	2.641
4/29/2011 16:00	86415.001	-0.227	2.636
4/29/2011 16:00	86420.001	-0.222	2.634
4/29/2011 16:00	86425.001	-0.218	2.632
4/29/2011 16:00	86430.001	-0.238	2.641
4/29/2011 16:00	86435.001	-0.245	2.644
4/29/2011 16:00	86440.001	-0.223	2.634
4/29/2011 16:00	86445.001	-0.213	2.63
4/29/2011 16:00	86450.001	-0.225	2.635
4/29/2011 16:00	86455.001	-0.221	2.633
4/29/2011 16:01	86460.001	-0.223	2.634
4/29/2011 16:01	86465.001	-0.242	2.642
4/29/2011 16:01	86470.001	-0.223	2.634
4/29/2011 16:01	86475.001	-0.231	2.637
4/29/2011 16:01	86480.001	-0.224	2.634
4/29/2011 16:01	86485.001	-0.218	2.632
4/29/2011 16:01	86490.001	-0.228	2.636
4/29/2011 16:01	86495.001	-0.223	2.634
4/29/2011 16:01	86500.001	-0.226	2.635
4/29/2011 16:01	86505.001	-0.224	2.635
4/29/2011 16:01	86510.001	-0.221	2.633
4/29/2011 16:01	86515.001	-0.235	2.639
4/29/2011 16:02	86520.001	-0.221	2.633
4/29/2011 16:02	86525.001	-0.227	2.636
4/29/2011 16:02	86530.001	-0.219	2.632
4/29/2011 16:02	86535.001	-0.217	2.631
4/29/2011 16:02	86540.001	-0.214	2.63

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4/29/2011 16:02	86545.001	-0.219	2.632
4/29/2011 16:02	86550.001	-0.222	2.633
4/29/2011 16:02	86555.001	-0.233	2.638
4/29/2011 16:02	86560.001	-0.219	2.632
4/29/2011 16:02	86565.001	-0.216	2.631
4/29/2011 16:02	86570.001	-0.223	2.634
4/29/2011 16:02	86575.001	-0.216	2.631
4/29/2011 16:03	86580.001	-0.225	2.635
4/29/2011 16:03	86585.001	-0.223	2.634
4/29/2011 16:03	86590.001	-0.223	2.634
4/29/2011 16:03	86595.001	-0.232	2.638
4/29/2011 16:03	86600.001	-0.222	2.634
4/29/2011 16:03	86605.001	-0.221	2.633
4/29/2011 16:03	86610.001	-0.232	2.638
4/29/2011 16:03	86615.001	-0.223	2.634
4/29/2011 16:03	86620.001	-0.223	2.634
4/29/2011 16:03	86625.001	-0.22	2.632
4/29/2011 16:03	86630.001	-0.224	2.634
4/29/2011 16:03	86635.001	-0.228	2.636
4/29/2011 16:04	86640.001	-0.225	2.635
4/29/2011 16:04	86645.001	-0.224	2.634
4/29/2011 16:04	86650.001	-0.22	2.633
4/29/2011 16:04	86655.001	-0.221	2.633
4/29/2011 16:04	86660.001	-0.225	2.635
4/29/2011 16:04	86665.001	-0.221	2.633
4/29/2011 16:04	86670.001	-0.224	2.634
4/29/2011 16:04	86675.001	-0.227	2.636
4/29/2011 16:04	86680.001	-0.225	2.635
4/29/2011 16:04	86685.001	-0.233	2.638
4/29/2011 16:04	86690.001	-0.227	2.636
4/29/2011 16:04	86695.001	-0.233	2.638
4/29/2011 16:05	86700.001	-0.23	2.637
4/29/2011 16:06	86760.001	-0.226	2.635
4/29/2011 16:07	86820.001	-0.22	2.633
4/29/2011 16:08	86880.001	-0.224	2.634
4/29/2011 16:09	86940.001	-0.225	2.635
4/29/2011 16:10	87000.001	-0.234	2.639
4/29/2011 16:11	87060.001	-0.227	2.636
4/29/2011 16:12	87120.001	-0.231	2.637
4/29/2011 16:13	87180.001	-0.228	2.636
4/29/2011 16:14	87240.001	-0.233	2.638
4/29/2011 16:15	87300.001	-0.227	2.635
4/29/2011 16:20	87600.001	-0.226	2.635
4/29/2011 16:25	87900.001	-0.222	2.633
4/29/2011 16:30	88200.001	-0.236	2.639
4/29/2011 16:35	88500.001	-0.218	2.632
4/29/2011 16:40	88800.001	-0.216	2.631
4/29/2011 16:45	89100.001	-0.218	2.632

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4/29/2011 16:50	89400.001	-0.219	2.632
4/29/2011 16:55	89700.001	-0.215	2.631
4/29/2011 17:00	90000.001	-0.214	2.63
4/29/2011 17:30	91800.001	-0.214	2.63
4/29/2011 18:00	93600.001	-0.205	2.626
4/29/2011 18:30	95400.001	-0.207	2.627
4/29/2011 19:00	97200.001	-0.208	2.627
4/29/2011 19:30	99000.001	-0.207	2.627
4/29/2011 20:00	100800.001	-0.205	2.626
4/29/2011 20:30	102600.001	-0.192	2.62
4/29/2011 21:00	104400.001	-0.177	2.614
4/29/2011 22:00	108000.001	-0.094	2.578
4/29/2011 23:00	111600.001	-0.031	2.551
4/30/2011 0:00	115200.001	-0.01	2.542
4/30/2011 1:00	118800.001	-0.004	2.539
4/30/2011 2:00	122400.001	-0.003	2.539
4/30/2011 3:00	126000.001	0.005	2.535
4/30/2011 4:00	129600.001	0.006	2.535
4/30/2011 5:00	133200.001	0.011	2.533
4/30/2011 6:00	136800.001	-0.014	2.543
4/30/2011 7:00	140400.001	0.006	2.535
4/30/2011 8:00	144000.001	0.019	2.529
4/30/2011 9:00	147600.001	0.013	2.532
4/30/2011 10:00	151200.001	-0.005	2.539
4/30/2011 11:00	154800.001	-0.011	2.542
4/30/2011 12:00	158400.001	-0.013	2.543
4/30/2011 13:00	162000.001	-0.033	2.552
4/30/2011 14:00	165600.001	-0.048	2.558
4/30/2011 15:00	169200.001	-0.053	2.56

US EPA ARCHIVE DOCUMENT

Report Date:	5/2/2011 9:19
Report User Nam	jgadt
Report Computer	KS-FIELD2-LTP
Application:	WinSitu.exe
Application Versi	5.6.21.0

Log File Properties

File Name	MW6D_042811_RW2_REDO_Append_2011-04-30_15-46-47-328.wsl
Create Date	4/30/2011 15:46

Device Properties

Device	Level TROLL 700				
Site	MW-6D				
Device Name					
Serial Number		163722			
Firmware Version		2.08			
Hardware Versior		3			
Device Address		1			
Device Comm Cfg		19200	8	Even	1
Used Memory		4			
Used Battery		10			

Log Configuration

	Log Name	MW6D_042811_RW2_REDO
	Created By	jgadt
	Computer Name	KS-FIELD2-LTP
	Application	WinSitu.exe
	Application Version	5.6.21.0
	Create Date	4/28/2011 2:59:14 PM Central Daylight Time
	Log Setup Time Zone	Central Daylight Time
	Notes Size(bytes)	4096
	Overwrite when full	Disabled
	Scheduled Start Time	4/28/2011 4:00:00 PM Central Daylight Time
	Scheduled Stop Time	4/30/2011 4:00:00 PM Central Daylight Time
	Type	Step Test
Steps	10 (Linear)	
	Step	1
	Duration	Days: 0 hrs: 00 mins: 05 secs: 00
	Interval	Days: 0 hrs: 00 mins: 00 secs: 05
	Step	2
	Duration	Days: 0 hrs: 00 mins: 10 secs: 00
	Interval	Days: 0 hrs: 00 mins: 01 secs: 00
	Step	3
	Duration	Days: 0 hrs: 00 mins: 45 secs: 00
	Interval	Days: 0 hrs: 00 mins: 05 secs: 00
	Step	4
	Duration	Days: 0 hrs: 04 mins: 00 secs: 00

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Interval	Days: 0 hrs: 00 mins: 30 secs: 00
Step	5
Duration	Days: 0 hrs: 19 mins: 00 secs: 00
Interval	Days: 0 hrs: 01 mins: 00 secs: 00
Step	6
Duration	Days: 0 hrs: 00 mins: 05 secs: 00
Interval	Days: 0 hrs: 00 mins: 00 secs: 05
Step	7
Duration	Days: 0 hrs: 00 mins: 10 secs: 00
Interval	Days: 0 hrs: 00 mins: 01 secs: 00
Step	8
Duration	Days: 0 hrs: 00 mins: 45 secs: 00
Interval	Days: 0 hrs: 00 mins: 05 secs: 00
Step	9
Duration	Days: 0 hrs: 04 mins: 00 secs: 00
Interval	Days: 0 hrs: 00 mins: 30 secs: 00
Step	10
Duration	Days: 0 hrs: 19 mins: 00 secs: 00
Interval	Days: 0 hrs: 01 mins: 00 secs: 00

Level Reference Settings At Log Creation

Level Measurement Mode	Level Depth To Water
Specific Gravity	0.999
Level Reference Mode:	Set new reference
Level Reference Value:	0 (ft)
Level Reference Head Pressure	2.62459 (PSI)

Other Log Settings

Depth of Probe:	6.0572 (ft)
Head Pressure:	2.62334 (PSI)
Temperature:	12.5445 (C)

Log Notes:

Date and Time	Note
4/28/2011 14:59	Used Battery: 10% Used Memory: 6% User Name: jgadt
4/29/2011 10:14	Log Download - Used Battery: 10% Used Memory: 6% User Name: jgadt
4/30/2011 10:12	Log Download - Used Battery: 10% Used Memory: 6% User Name: jgadt
4/30/2011 15:46	Used Battery: 10% Used Memory: 6% User Name: jgadt
4/30/2011 15:46	Manual Stop Command

Log Data:

Record Count	212

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RW-2 Constant Rate Test - MW-6D (background) Data File

Sensors 1

1 163722 Pressure/Temp 15 PSIG (11m/35ft)

Time Zone: Central Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
4/28/2011 16:00	0	-0.023	2.635
4/28/2011 16:00	5.001	-0.017	2.632
4/28/2011 16:00	10.001	-0.019	2.633
4/28/2011 16:00	15.001	-0.019	2.633
4/28/2011 16:00	20.001	-0.014	2.63
4/28/2011 16:00	25.001	-0.019	2.633
4/28/2011 16:00	30.001	-0.021	2.634
4/28/2011 16:00	35.001	-0.02	2.633
4/28/2011 16:00	40.001	-0.018	2.632
4/28/2011 16:00	45.001	-0.019	2.633
4/28/2011 16:00	50.001	-0.02	2.633
4/28/2011 16:00	55.001	-0.019	2.633
4/28/2011 16:01	60.001	-0.018	2.633
4/28/2011 16:01	65.001	-0.019	2.633
4/28/2011 16:01	70.001	-0.021	2.634
4/28/2011 16:01	75.001	-0.019	2.633
4/28/2011 16:01	80.001	-0.019	2.633
4/28/2011 16:01	85.001	-0.019	2.633
4/28/2011 16:01	90.001	-0.016	2.632
4/28/2011 16:01	95.001	-0.017	2.632
4/28/2011 16:01	100.001	-0.017	2.632
4/28/2011 16:01	105.001	-0.018	2.632
4/28/2011 16:01	110.001	-0.014	2.631
4/28/2011 16:01	115.001	-0.016	2.631
4/28/2011 16:02	120.001	-0.016	2.632
4/28/2011 16:02	125.001	-0.018	2.632
4/28/2011 16:02	130.001	-0.016	2.632
4/28/2011 16:02	135.001	-0.018	2.632
4/28/2011 16:02	140.001	-0.017	2.632
4/28/2011 16:02	145.001	-0.016	2.632
4/28/2011 16:02	150.001	-0.016	2.631
4/28/2011 16:02	155.001	-0.016	2.632
4/28/2011 16:02	160.001	-0.02	2.633
4/28/2011 16:02	165.001	-0.019	2.633
4/28/2011 16:02	170.001	-0.018	2.632
4/28/2011 16:02	175.001	-0.019	2.633
4/28/2011 16:03	180.001	-0.015	2.631
4/28/2011 16:03	185.001	-0.018	2.633

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
4/28/2011 16:03	190.001	-0.017	2.632
4/28/2011 16:03	195.001	-0.017	2.632
4/28/2011 16:03	200.001	-0.018	2.633
4/28/2011 16:03	205.001	-0.012	2.63
4/28/2011 16:03	210.001	-0.018	2.632
4/28/2011 16:03	215.001	-0.02	2.633
4/28/2011 16:03	220.001	-0.02	2.633
4/28/2011 16:03	225.001	-0.019	2.633
4/28/2011 16:03	230.001	-0.02	2.633
4/28/2011 16:03	235.001	-0.018	2.632
4/28/2011 16:04	240.001	-0.019	2.633
4/28/2011 16:04	245.001	-0.02	2.633
4/28/2011 16:04	250.001	-0.019	2.633
4/28/2011 16:04	255.001	-0.022	2.634
4/28/2011 16:04	260.001	-0.017	2.632
4/28/2011 16:04	265.001	-0.017	2.632
4/28/2011 16:04	270.001	-0.023	2.635
4/28/2011 16:04	275.001	-0.019	2.633
4/28/2011 16:04	280.001	-0.02	2.633
4/28/2011 16:04	285.001	-0.019	2.633
4/28/2011 16:04	290.001	-0.023	2.635
4/28/2011 16:04	295.001	-0.019	2.633
4/28/2011 16:05	300.001	-0.015	2.631
4/28/2011 16:06	360.001	-0.023	2.634
4/28/2011 16:07	420.001	-0.018	2.632
4/28/2011 16:08	480.001	-0.022	2.634
4/28/2011 16:09	540.001	-0.024	2.635
4/28/2011 16:10	600.001	-0.02	2.633
4/28/2011 16:11	660.001	-0.02	2.633
4/28/2011 16:12	720.001	-0.02	2.633
4/28/2011 16:13	780.001	-0.024	2.635
4/28/2011 16:14	840.001	-0.025	2.635
4/28/2011 16:15	900.001	-0.025	2.635
4/28/2011 16:20	1200.001	-0.024	2.635
4/28/2011 16:25	1500.001	-0.021	2.634
4/28/2011 16:30	1800.001	-0.023	2.635
4/28/2011 16:35	2100.001	-0.021	2.634
4/28/2011 16:40	2400.001	-0.024	2.635
4/28/2011 16:45	2700.001	-0.027	2.636
4/28/2011 16:50	3000.001	-0.03	2.638
4/28/2011 16:55	3300.001	-0.029	2.637
4/28/2011 17:00	3600.001	-0.03	2.638
4/28/2011 17:30	5400.001	-0.037	2.64
4/28/2011 18:00	7200.001	-0.042	2.643
4/28/2011 18:30	9000.001	-0.045	2.644

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
4/28/2011 19:00	10800.001	-0.042	2.643
4/28/2011 19:30	12600.001	-0.046	2.645
4/28/2011 20:00	14400.001	-0.048	2.645
4/28/2011 20:30	16200.001	-0.045	2.644
4/28/2011 21:00	18000.001	-0.046	2.644
4/28/2011 22:00	21600.001	-0.04	2.642
4/28/2011 23:00	25200.001	-0.039	2.641
4/29/2011 0:00	28800.001	-0.044	2.644
4/29/2011 1:00	32400.001	-0.077	2.658
4/29/2011 2:00	36000.001	-0.12	2.677
4/29/2011 3:00	39600.001	-0.15	2.69
4/29/2011 4:00	43200.001	-0.168	2.697
4/29/2011 5:00	46800.001	-0.183	2.704
4/29/2011 6:00	50400.001	-0.18	2.702
4/29/2011 7:00	54000.001	-0.174	2.7
4/29/2011 8:00	57600.001	-0.171	2.699
4/29/2011 9:00	61200.001	-0.174	2.7
4/29/2011 10:00	64800.001	-0.192	2.708
4/29/2011 11:00	68400.001	-0.202	2.712
4/29/2011 12:00	72000.001	-0.196	2.709
4/29/2011 13:00	75600.001	-0.204	2.713
4/29/2011 14:00	79200.001	-0.212	2.717
4/29/2011 15:00	82800.001	-0.232	2.725
4/29/2011 16:00	86400.001	-0.247	2.732
4/29/2011 16:00	86405.001	-0.24	2.728
4/29/2011 16:00	86410.001	-0.26	2.737
4/29/2011 16:00	86415.001	-0.247	2.732
4/29/2011 16:00	86420.001	-0.258	2.736
4/29/2011 16:00	86425.001	-0.251	2.733
4/29/2011 16:00	86430.001	-0.25	2.733
4/29/2011 16:00	86435.001	-0.255	2.735
4/29/2011 16:00	86440.001	-0.242	2.73
4/29/2011 16:00	86445.001	-0.255	2.735
4/29/2011 16:00	86450.001	-0.26	2.737
4/29/2011 16:00	86455.001	-0.248	2.732
4/29/2011 16:01	86460.001	-0.246	2.731
4/29/2011 16:01	86465.001	-0.252	2.734
4/29/2011 16:01	86470.001	-0.25	2.733
4/29/2011 16:01	86475.001	-0.256	2.735
4/29/2011 16:01	86480.001	-0.248	2.732
4/29/2011 16:01	86485.001	-0.255	2.735
4/29/2011 16:01	86490.001	-0.246	2.731
4/29/2011 16:01	86495.001	-0.249	2.733
4/29/2011 16:01	86500.001	-0.243	2.73
4/29/2011 16:01	86505.001	-0.256	2.735

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
4/29/2011 16:01	86510.001	-0.25	2.733
4/29/2011 16:01	86515.001	-0.251	2.733
4/29/2011 16:02	86520.001	-0.246	2.731
4/29/2011 16:02	86525.001	-0.252	2.734
4/29/2011 16:02	86530.001	-0.252	2.734
4/29/2011 16:02	86535.001	-0.252	2.734
4/29/2011 16:02	86540.001	-0.248	2.732
4/29/2011 16:02	86545.001	-0.256	2.735
4/29/2011 16:02	86550.001	-0.256	2.735
4/29/2011 16:02	86555.001	-0.246	2.731
4/29/2011 16:02	86560.001	-0.26	2.737
4/29/2011 16:02	86565.001	-0.244	2.73
4/29/2011 16:02	86570.001	-0.245	2.731
4/29/2011 16:02	86575.001	-0.244	2.73
4/29/2011 16:03	86580.001	-0.253	2.734
4/29/2011 16:03	86585.001	-0.257	2.736
4/29/2011 16:03	86590.001	-0.245	2.731
4/29/2011 16:03	86595.001	-0.254	2.735
4/29/2011 16:03	86600.001	-0.245	2.731
4/29/2011 16:03	86605.001	-0.247	2.732
4/29/2011 16:03	86610.001	-0.249	2.733
4/29/2011 16:03	86615.001	-0.263	2.739
4/29/2011 16:03	86620.001	-0.25	2.733
4/29/2011 16:03	86625.001	-0.248	2.732
4/29/2011 16:03	86630.001	-0.257	2.736
4/29/2011 16:03	86635.001	-0.252	2.734
4/29/2011 16:04	86640.001	-0.25	2.733
4/29/2011 16:04	86645.001	-0.254	2.734
4/29/2011 16:04	86650.001	-0.251	2.733
4/29/2011 16:04	86655.001	-0.255	2.735
4/29/2011 16:04	86660.001	-0.246	2.731
4/29/2011 16:04	86665.001	-0.24	2.729
4/29/2011 16:04	86670.001	-0.252	2.734
4/29/2011 16:04	86675.001	-0.246	2.731
4/29/2011 16:04	86680.001	-0.253	2.734
4/29/2011 16:04	86685.001	-0.254	2.734
4/29/2011 16:04	86690.001	-0.255	2.735
4/29/2011 16:04	86695.001	-0.245	2.731
4/29/2011 16:05	86700.001	-0.252	2.734
4/29/2011 16:06	86760.001	-0.251	2.733
4/29/2011 16:07	86820.001	-0.258	2.736
4/29/2011 16:08	86880.001	-0.251	2.733
4/29/2011 16:09	86940.001	-0.259	2.737
4/29/2011 16:10	87000.001	-0.253	2.734
4/29/2011 16:11	87060.001	-0.251	2.733

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
4/29/2011 16:12	87120.001	-0.247	2.732
4/29/2011 16:13	87180.001	-0.245	2.731
4/29/2011 16:14	87240.001	-0.252	2.734
4/29/2011 16:15	87300.001	-0.253	2.734
4/29/2011 16:20	87600.001	-0.24	2.729
4/29/2011 16:25	87900.001	-0.251	2.733
4/29/2011 16:30	88200.001	-0.252	2.734
4/29/2011 16:35	88500.001	-0.257	2.736
4/29/2011 16:40	88800.001	-0.248	2.732
4/29/2011 16:45	89100.001	-0.25	2.733
4/29/2011 16:50	89400.001	-0.241	2.729
4/29/2011 16:55	89700.001	-0.252	2.734
4/29/2011 17:00	90000.001	-0.251	2.733
4/29/2011 17:30	91800.001	-0.251	2.733
4/29/2011 18:00	93600.001	-0.253	2.734
4/29/2011 18:30	95400.001	-0.251	2.733
4/29/2011 19:00	97200.001	-0.256	2.735
4/29/2011 19:30	99000.001	-0.25	2.733
4/29/2011 20:00	100800.001	-0.252	2.734
4/29/2011 20:30	102600.001	-0.245	2.731
4/29/2011 21:00	104400.001	-0.234	2.726
4/29/2011 22:00	108000.001	-0.155	2.692
4/29/2011 23:00	111600.001	-0.087	2.662
4/30/2011 0:00	115200.001	-0.056	2.649
4/30/2011 1:00	118800.001	-0.053	2.648
4/30/2011 2:00	122400.001	-0.044	2.644
4/30/2011 3:00	126000.001	-0.041	2.642
4/30/2011 4:00	129600.001	-0.043	2.643
4/30/2011 5:00	133200.001	-0.041	2.642
4/30/2011 6:00	136800.001	-0.053	2.648
4/30/2011 7:00	140400.001	-0.035	2.64
4/30/2011 8:00	144000.001	-0.025	2.635
4/30/2011 9:00	147600.001	-0.027	2.636
4/30/2011 10:00	151200.001	-0.044	2.644
4/30/2011 11:00	154800.001	-0.049	2.646
4/30/2011 12:00	158400.001	-0.054	2.648
4/30/2011 13:00	162000.001	-0.07	2.655
4/30/2011 14:00	165600.001	-0.086	2.662
4/30/2011 15:00	169200.001	-0.102	2.669

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Report Date:	5/2/2011 9:19
Report User Nam	jgadt
Report Computer	KS-FIELD2-LTP
Application:	WinSitu.exe
Application Versic	5.6.21.0

Log File Properties

File Name	MW6E_042811_RW2_REDO_Append_2011-04-30_15-49-58-703.wsl
Create Date	4/30/2011 15:49

Device Properties

Device	Level TROLL 700			
Site	MW-6E			
Device Name				
Serial Number	163893			
Firmware Version	2.08			
Hardware Versior	3			
Device Address	1			
Device Comm Cfg	19200	8	Even	1
Used Memory	3			
Used Battery	6			

Log Configuration

	Log Name	MW6E_042811_RW2_REDO
	Created By	jgadt
	Computer Name	KS-FIELD2-LTP
	Application	WinSitu.exe
	Application Version	5.6.21.0
	Create Date	4/28/2011 3:01:57 PM Central Daylight Time
	Log Setup Time Zone	Central Daylight Time
	Notes Size(bytes)	4096
	Overwrite when full	Disabled
	Scheduled Start Time	4/28/2011 4:00:00 PM Central Daylight Time
	Scheduled Stop Time	4/30/2011 4:00:00 PM Central Daylight Time
	Type	Step Test
Steps	10 (Linear)	
	Step	1
	Duration	Days: 0 hrs: 00 mins: 05 secs: 00
	Interval	Days: 0 hrs: 00 mins: 00 secs: 05
	Step	2
	Duration	Days: 0 hrs: 00 mins: 10 secs: 00
	Interval	Days: 0 hrs: 00 mins: 01 secs: 00
	Step	3
	Duration	Days: 0 hrs: 00 mins: 45 secs: 00
	Interval	Days: 0 hrs: 00 mins: 05 secs: 00
	Step	4
	Duration	Days: 0 hrs: 04 mins: 00 secs: 00

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Interval	Days: 0 hrs: 00 mins: 30 secs: 00
Step	5
Duration	Days: 0 hrs: 19 mins: 00 secs: 00
Interval	Days: 0 hrs: 01 mins: 00 secs: 00
Step	6
Duration	Days: 0 hrs: 00 mins: 05 secs: 00
Interval	Days: 0 hrs: 00 mins: 00 secs: 05
Step	7
Duration	Days: 0 hrs: 00 mins: 10 secs: 00
Interval	Days: 0 hrs: 00 mins: 01 secs: 00
Step	8
Duration	Days: 0 hrs: 00 mins: 45 secs: 00
Interval	Days: 0 hrs: 00 mins: 05 secs: 00
Step	9
Duration	Days: 0 hrs: 04 mins: 00 secs: 00
Interval	Days: 0 hrs: 00 mins: 30 secs: 00
Step	10
Duration	Days: 0 hrs: 19 mins: 00 secs: 00
Interval	Days: 0 hrs: 01 mins: 00 secs: 00

Level Reference Settings At Log Creation

Level Measurement Mode	Level Depth To Water
Specific Gravity	0.999
Level Reference Mode:	Set new reference
Level Reference Value:	0 (ft)
Level Reference Head Pressure	3.13143 (PSI)

Other Log Settings

Depth of Probe:	7.22578 (ft)
Head Pressure:	3.12944 (PSI)
Temperature:	12.5673 (C)

Log Notes:

Date and Time	Note
4/28/2011 15:02	Used Battery: 6% Used Memory: 4% User Name: jgadt
4/29/2011 10:16	Log Download - Used Battery: 6% Used Memory: 4% User Name: jgadt
4/30/2011 15:49	Used Battery: 6% Used Memory: 4% User Name: jgadt
4/30/2011 15:49	Manual Stop Command

Log Data:

Record Count	212

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RW-2 Constant Rate Test - MW-6E (background) Data File

Sensors 1

1 163893 Pressure/Temp 15 PSIG (11m/35ft)

Time Zone: Central Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163893 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163893 Pressure (PSI)
4/28/2011 16:00	0	-0.015	3.138
4/28/2011 16:00	5	-0.012	3.137
4/28/2011 16:00	10	-0.016	3.139
4/28/2011 16:00	15	-0.015	3.138
4/28/2011 16:00	20	-0.014	3.137
4/28/2011 16:00	25	-0.015	3.138
4/28/2011 16:00	30	-0.014	3.138
4/28/2011 16:00	35	-0.016	3.138
4/28/2011 16:00	40	-0.013	3.137
4/28/2011 16:00	45	-0.014	3.137
4/28/2011 16:00	50	-0.014	3.138
4/28/2011 16:00	55	-0.016	3.138
4/28/2011 16:01	60	-0.013	3.137
4/28/2011 16:01	65	-0.015	3.138
4/28/2011 16:01	70	-0.014	3.138
4/28/2011 16:01	75	-0.015	3.138
4/28/2011 16:01	80	-0.012	3.137
4/28/2011 16:01	85	-0.013	3.137
4/28/2011 16:01	90	-0.011	3.136
4/28/2011 16:01	95	-0.014	3.137
4/28/2011 16:01	100	-0.014	3.137
4/28/2011 16:01	105	-0.014	3.137
4/28/2011 16:01	110	-0.015	3.138
4/28/2011 16:01	115	-0.014	3.137
4/28/2011 16:02	120	-0.012	3.137
4/28/2011 16:02	125	-0.015	3.138
4/28/2011 16:02	130	-0.015	3.138
4/28/2011 16:02	135	-0.015	3.138
4/28/2011 16:02	140	-0.012	3.137
4/28/2011 16:02	145	-0.014	3.137
4/28/2011 16:02	150	-0.015	3.138
4/28/2011 16:02	155	-0.01	3.136
4/28/2011 16:02	160	-0.015	3.138
4/28/2011 16:02	165	-0.014	3.138
4/28/2011 16:02	170	-0.014	3.138
4/28/2011 16:02	175	-0.016	3.138
4/28/2011 16:03	180	-0.013	3.137
4/28/2011 16:03	185	-0.014	3.138
4/28/2011 16:03	190	-0.013	3.137

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4/28/2011 16:03	195	-0.013	3.137
4/28/2011 16:03	200	-0.015	3.138
4/28/2011 16:03	205	-0.016	3.138
4/28/2011 16:03	210	-0.015	3.138
4/28/2011 16:03	215	-0.014	3.138
4/28/2011 16:03	220	-0.017	3.139
4/28/2011 16:03	225	-0.015	3.138
4/28/2011 16:03	230	-0.014	3.138
4/28/2011 16:03	235	-0.016	3.138
4/28/2011 16:04	240	-0.013	3.137
4/28/2011 16:04	245	-0.014	3.138
4/28/2011 16:04	250	-0.012	3.137
4/28/2011 16:04	255	-0.016	3.138
4/28/2011 16:04	260	-0.014	3.138
4/28/2011 16:04	265	-0.012	3.137
4/28/2011 16:04	270	-0.017	3.139
4/28/2011 16:04	275	-0.014	3.137
4/28/2011 16:04	280	-0.016	3.138
4/28/2011 16:04	285	-0.015	3.138
4/28/2011 16:04	290	-0.016	3.138
4/28/2011 16:04	295	-0.018	3.139
4/28/2011 16:05	300	-0.014	3.138
4/28/2011 16:06	360	-0.015	3.138
4/28/2011 16:07	420	-0.013	3.137
4/28/2011 16:08	480	-0.019	3.14
4/28/2011 16:09	540	-0.018	3.139
4/28/2011 16:10	600	-0.015	3.138
4/28/2011 16:11	660	-0.011	3.136
4/28/2011 16:12	720	-0.016	3.138
4/28/2011 16:13	780	-0.014	3.138
4/28/2011 16:14	840	-0.018	3.139
4/28/2011 16:15	900	-0.023	3.141
4/28/2011 16:20	1200	-0.02	3.14
4/28/2011 16:25	1500	-0.017	3.139
4/28/2011 16:30	1800	-0.019	3.14
4/28/2011 16:35	2100	-0.021	3.141
4/28/2011 16:40	2400	-0.019	3.14
4/28/2011 16:45	2700	-0.024	3.142
4/28/2011 16:50	3000	-0.024	3.142
4/28/2011 16:55	3300	-0.023	3.141
4/28/2011 17:00	3600	-0.027	3.143
4/28/2011 17:30	5400	-0.03	3.144
4/28/2011 18:00	7200	-0.034	3.146
4/28/2011 18:30	9000	-0.041	3.149
4/28/2011 19:00	10800	-0.04	3.149
4/28/2011 19:30	12600	-0.043	3.15
4/28/2011 20:00	14400	-0.041	3.149
4/28/2011 20:30	16200	-0.04	3.149

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4/28/2011 21:00	18000	-0.04	3.149
4/28/2011 22:00	21600	-0.033	3.146
4/28/2011 23:00	25200	-0.034	3.146
4/29/2011 0:00	28800	-0.036	3.147
4/29/2011 1:00	32400	-0.072	3.163
4/29/2011 2:00	36000	-0.11	3.179
4/29/2011 3:00	39600	-0.141	3.192
4/29/2011 4:00	43200	-0.157	3.199
4/29/2011 5:00	46800	-0.174	3.207
4/29/2011 6:00	50400	-0.173	3.206
4/29/2011 7:00	54000	-0.169	3.205
4/29/2011 8:00	57600	-0.16	3.201
4/29/2011 9:00	61200	-0.167	3.204
4/29/2011 10:00	64800	-0.182	3.21
4/29/2011 11:00	68400	-0.211	3.223
4/29/2011 12:00	72000	-0.184	3.211
4/29/2011 13:00	75600	-0.19	3.214
4/29/2011 14:00	79200	-0.204	3.22
4/29/2011 15:00	82800	-0.208	3.221
4/29/2011 16:00	86400	-0.242	3.236
4/29/2011 16:00	86405	-0.244	3.237
4/29/2011 16:00	86410	-0.232	3.232
4/29/2011 16:00	86415	-0.25	3.24
4/29/2011 16:00	86420	-0.246	3.238
4/29/2011 16:00	86425	-0.243	3.237
4/29/2011 16:00	86430	-0.244	3.237
4/29/2011 16:00	86435	-0.249	3.239
4/29/2011 16:00	86440	-0.245	3.238
4/29/2011 16:00	86445	-0.242	3.236
4/29/2011 16:00	86450	-0.241	3.236
4/29/2011 16:00	86455	-0.242	3.236
4/29/2011 16:01	86460	-0.237	3.234
4/29/2011 16:01	86465	-0.245	3.238
4/29/2011 16:01	86470	-0.239	3.235
4/29/2011 16:01	86475	-0.237	3.234
4/29/2011 16:01	86480	-0.241	3.236
4/29/2011 16:01	86485	-0.233	3.232
4/29/2011 16:01	86490	-0.237	3.234
4/29/2011 16:01	86495	-0.236	3.234
4/29/2011 16:01	86500	-0.229	3.231
4/29/2011 16:01	86505	-0.242	3.236
4/29/2011 16:01	86510	-0.228	3.23
4/29/2011 16:01	86515	-0.242	3.236
4/29/2011 16:02	86520	-0.239	3.235
4/29/2011 16:02	86525	-0.245	3.238
4/29/2011 16:02	86530	-0.232	3.232
4/29/2011 16:02	86535	-0.245	3.237
4/29/2011 16:02	86540	-0.248	3.239

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4/29/2011 16:02	86545	-0.241	3.236
4/29/2011 16:02	86550	-0.265	3.246
4/29/2011 16:02	86555	-0.247	3.239
4/29/2011 16:02	86560	-0.237	3.234
4/29/2011 16:02	86565	-0.236	3.234
4/29/2011 16:02	86570	-0.247	3.238
4/29/2011 16:02	86575	-0.246	3.238
4/29/2011 16:03	86580	-0.257	3.243
4/29/2011 16:03	86585	-0.235	3.233
4/29/2011 16:03	86590	-0.236	3.234
4/29/2011 16:03	86595	-0.262	3.245
4/29/2011 16:03	86600	-0.238	3.234
4/29/2011 16:03	86605	-0.24	3.235
4/29/2011 16:03	86610	-0.234	3.233
4/29/2011 16:03	86615	-0.25	3.24
4/29/2011 16:03	86620	-0.246	3.238
4/29/2011 16:03	86625	-0.231	3.231
4/29/2011 16:03	86630	-0.254	3.241
4/29/2011 16:03	86635	-0.244	3.237
4/29/2011 16:04	86640	-0.233	3.232
4/29/2011 16:04	86645	-0.251	3.24
4/29/2011 16:04	86650	-0.234	3.233
4/29/2011 16:04	86655	-0.244	3.237
4/29/2011 16:04	86660	-0.238	3.234
4/29/2011 16:04	86665	-0.239	3.235
4/29/2011 16:04	86670	-0.248	3.239
4/29/2011 16:04	86675	-0.237	3.234
4/29/2011 16:04	86680	-0.239	3.235
4/29/2011 16:04	86685	-0.235	3.233
4/29/2011 16:04	86690	-0.237	3.234
4/29/2011 16:04	86695	-0.25	3.24
4/29/2011 16:05	86700	-0.248	3.239
4/29/2011 16:06	86760	-0.233	3.232
4/29/2011 16:07	86820	-0.241	3.236
4/29/2011 16:08	86880	-0.248	3.239
4/29/2011 16:09	86940	-0.247	3.238
4/29/2011 16:10	87000	-0.249	3.239
4/29/2011 16:11	87060	-0.248	3.239
4/29/2011 16:12	87120	-0.247	3.239
4/29/2011 16:13	87180	-0.254	3.242
4/29/2011 16:14	87240	-0.244	3.237
4/29/2011 16:15	87300	-0.248	3.239
4/29/2011 16:20	87600	-0.246	3.238
4/29/2011 16:25	87900	-0.245	3.237
4/29/2011 16:30	88200	-0.221	3.227
4/29/2011 16:35	88500	-0.245	3.237
4/29/2011 16:40	88800	-0.255	3.242
4/29/2011 16:45	89100	-0.242	3.236

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4/29/2011 16:50	89400	-0.225	3.229
4/29/2011 16:55	89700	-0.24	3.235
4/29/2011 17:00	90000	-0.241	3.236
4/29/2011 17:30	91800	-0.243	3.237
4/29/2011 18:00	93600	-0.247	3.238
4/29/2011 18:30	95400	-0.24	3.235
4/29/2011 19:00	97200	-0.239	3.235
4/29/2011 19:30	99000	-0.239	3.235
4/29/2011 20:00	100800	-0.241	3.236
4/29/2011 20:30	102600	-0.234	3.233
4/29/2011 21:00	104400	-0.224	3.228
4/29/2011 22:00	108000	-0.149	3.196
4/29/2011 23:00	111600	-0.075	3.164
4/30/2011 0:00	115200	-0.045	3.151
4/30/2011 1:00	118800	-0.039	3.148
4/30/2011 2:00	122400	-0.036	3.147
4/30/2011 3:00	126000	-0.033	3.146
4/30/2011 4:00	129600	-0.032	3.145
4/30/2011 5:00	133200	-0.026	3.143
4/30/2011 6:00	136800	-0.046	3.151
4/30/2011 7:00	140400	-0.024	3.142
4/30/2011 8:00	144000	-0.015	3.138
4/30/2011 9:00	147600	-0.015	3.138
4/30/2011 10:00	151200	-0.031	3.145
4/30/2011 11:00	154800	-0.037	3.147
4/30/2011 12:00	158400	-0.043	3.15
4/30/2011 13:00	162000	-0.065	3.16
4/30/2011 14:00	165600	-0.076	3.164
4/30/2011 15:00	169200	-0.088	3.17

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RW-7 CONSTANT RATE TEST

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	RW7_Flow	RW7_DW	RW7_WLD	RW7_WLE	MW20A_DW	MW20A_WLD	MW20A_WLE	MW20C_DW	MW20C_WLD	MW20C_WLE
13:59:17	0.651250005	0	0	-0.0175	115.5913544	-0.041175842	1811.798706	117.0312042	0.00051403	1812.178711	121.0547943	0.079486847	1808.155151
13:59:22	0.072966665	1	55	-0.0175	116.8968964	-1.298324585	1810.493164	117.0312042	0	1812.178711	121.0547943	0	1808.155151
13:59:27	0.15671666	1	55	28.80500031	122.8980637	-7.29949379	1804.491943	117.0384827	-0.007276535	1812.171509	121.0474625	0.007328033	1808.162476
13:59:32	0.240850002	1	55	103.9937515	126.1572647	-10.55869102	1801.232788	117.0374298	-0.006221771	1812.172485	121.0389633	0.015827179	1808.171021
13:59:38	0.324550003	1	55	85.91625214	128.7116852	-13.11312008	1798.678345	117.0238113	0.00739193	1812.186157	121.0474625	0.007328033	1808.162476
13:59:43	0.408399999	1	55	55.84249878	130.709671	-15.1111002	1796.680298	117.0311356	6.68E-05	1812.178833	121.0546722	0.00012207	1808.155273
13:59:48	0.492216676	1	55	41.82500076	132.1739044	-16.57532978	1795.216064	117.0310669	0.000133514	1812.178955	121.0546722	0.00012207	1808.155273
13:59:53	0.57585001	1	55	68.38999939	133.147644	-17.43366718	1794.242432	117.0237427	0.007458687	1812.186279	121.047348	0.007446289	1808.162598
13:59:58	0.659749985	1	55	89.6875	133.6525574	-18.0107069	1793.737427	117.0311356	6.68E-05	1812.178833	121.047348	0.007446289	1808.162598
14:00:03	0.743600011	1	55	98.00875092	133.926651	-18.2920084	1793.463379	117.0310669	0.000133514	1812.178955	121.047348	0.007446289	1808.162598
14:00:08	0.827416658	1	55	104.3962479	134.0564728	-18.4362669	1793.333496	117.0457382	-0.01453495	1812.164185	121.047226	0.007564545	1808.16272
14:00:13	0.910899997	1	55	93.59000397	134.1863098	-18.58052635	1793.203735	117.038414	-0.007209778	1812.171509	121.0545502	0.007564545	1808.155396
14:00:18	0.994616687	1	55	93.02124786	134.3522034	-18.72478485	1793.037842	117.038414	-0.007209778	1812.171509	121.0545502	0.000240326	1808.155396
14:00:23	1.07796669	1	55	97.81624603	134.4326019	-18.81238842	1792.957397	117.0395355	-0.007276535	1812.17041	121.055603	0.000240326	1808.154297
14:00:28	1.16170001	1	55	100.8612518	134.49646	-18.89068127	1792.893555	117.0311356	6.68E-05	1812.178833	121.0545502	0.000240326	1808.155396
14:00:33	1.245683312	1	55	99.67124939	134.5974426	-18.96281528	1792.792603	117.0374298	-0.007276535	1812.172485	121.0534973	0.000240326	1808.156494
14:00:38	1.329583406	1	55	85.50500488	134.7190094	-19.09264278	1792.671021	117.0312042	0	1812.178711	121.0545502	0.007564545	1808.155396
14:00:43	1.413550019	1	55	62.74625015	134.942627	-19.3018198	1792.447388	117.0300827	0.001121521	1812.179932	121.0533752	0.001415253	1808.156616
14:00:48	1.497400045	1	55	71.40000153	135.0796661	-19.47387552	1792.310303	117.038414	-0.006155014	1812.171509	121.0545502	0.001415253	1808.155396
14:00:53	1.581150055	1	55	86.39749908	135.0940857	-19.48935843	1792.295898	117.0384827	-0.006221771	1812.171509	121.0544281	0.001415253	1808.155518
14:00:59	1.665483356	1	55	94.4825058	135.0662842	-19.46771622	1792.32373	117.0458069	-0.014602661	1812.164185	121.0544281	0.000358582	1808.155518
14:01:04	1.749466658	1	55	96.53874969	135.059082	-19.46050501	1792.330933	117.0531311	-0.021927834	1812.15686	121.0469971	0.007797241	1808.162964
14:01:09	1.833616734	1	55	95.67250061	135.0518646	-19.45328951	1792.338135	117.0385437	-0.007343292	1812.171387	121.0471039	0.0076828	1808.162842
14:01:14	1.917283297	1	55	94.88500214	135.059082	-19.4460783	1792.330933	117.0385437	-0.007343292	1812.171387	121.0543213	0.000473022	1808.15564
14:01:19	2.001333237	1	55	98.12249756	135.059082	-19.46771622	1792.330933	117.0458755	-0.014668465	1812.164063	121.0471039	0.0076828	1808.162842
14:01:24	2.085383415	1	55	100.8175049	135.080719	-19.48935843	1792.309326	117.0458069	-0.014602661	1812.164185	121.0617523	-0.006965637	1808.148193
14:01:29	2.169699907	1	55	101.5524979	135.080719	-19.48214293	1792.309326	117.0458755	-0.014668465	1812.164063	121.0471039	0.0076828	1808.162842
14:01:34	2.253616571	1	55	101.753746	135.0951385	-19.48830652	1792.294922	117.0531998	-0.021994591	1812.156738	121.0544281	0.000358582	1808.155518
14:01:39	2.337366581	1	55	101.1500015	135.1085052	-19.50994015	1792.281494	117.0448151	-0.013612747	1812.165161	121.0532608	0.001529694	1808.156738
14:01:44	2.421183348	1	55	101.5	135.144577	-19.53879356	1792.245483	117.0521393	-0.020938873	1812.157837	121.060585	-0.005794525	1808.149414
14:01:49	2.504616737	1	55	101.8500061	135.1950684	-19.5892849	1792.194946	117.0522079	-0.021004677	1812.157715	121.0531464	0.001647949	1808.15686
14:01:54	2.588350058	1	55	102.3312454	135.2167053	-19.61092281	1792.17334	117.0521393	-0.020938873	1812.157837	121.0459366	0.008853912	1808.164063
14:01:59	2.672166586	1	55	101.4824982	135.2816162	-19.66141415	1792.108398	117.0521393	-0.020938873	1812.157837	121.0458221	0.008972168	1808.164185
14:02:04	2.755733252	1	55	103.1800003	135.3321228	-19.71912146	1792.057861	117.0594864	-0.028282166	1812.150513	121.0531464	0.001647949	1808.15686
14:02:09	2.839116573	1	55	103.3112488	135.4042511	-19.79845762	1791.985718	117.0448151	-0.013612747	1812.165161	121.0531464	0.001647949	1808.15686
14:02:14	2.92324996	1	55	102.6725006	135.469162	-19.86337996	1791.920898	117.0668182	-0.035610199	1812.143188	121.0604706	-0.00567627	1808.149536
14:02:19	3.007083416	1	55	103.90625	135.5340729	-19.92108297	1791.855957	117.0594864	-0.028282166	1812.150513	121.0531464	0.001647949	1808.15686
14:02:24	3.09041667	1	55	102.375	135.6062012	-19.98599672	1791.783813	117.0667496	-0.035543442	1812.143188	121.0531464	0.001647949	1808.15686
14:02:29	3.173716545	1	55	103.1100006	135.6566925	-20.03648806	1791.733276	117.0521393	-0.020938873	1812.157837	121.0531464	0.001647949	1808.15686
14:02:34	3.257066727	1	55	102.5237503	135.6999817	-20.1014061	1791.690063	117.0521393	-0.028282166	1812.157837	121.0530243	0.001766205	1808.156982
14:02:39	3.34163332	1	55	102.1212463	135.7504578	-20.15189314	1791.639526	117.0668793	-0.036729813	1812.143066	121.0457001	0.007915497	1808.164307
14:02:44	3.424816608	1	55	102.6812439	135.8092194	-20.21064806	1791.580811	117.0752563	-0.043001175	1812.134766	121.0466309	0.009212494	1808.16333
14:02:49	3.509133339	1	55	103.0400009	135.8597107	-20.26113939	1791.530273	117.0668182	-0.036664009	1812.143188	121.0531464	0.000591278	1808.15686
14:02:54	3.593033314	1	55	102.6812439	135.901947	-20.30336761	1791.488037	117.0678711	-0.035610199	1812.14209	121.0541992	0.008972168	1808.155762
14:02:59	3.67658329	1	55	102.3050003	135.9452209	-20.34664345	1791.444824	117.0741425	-0.042935371	1812.135864	121.0531464	0.001647949	1808.15686
14:03:03	3.744333267	1	55	102.2699966	135.9884949	-20.38992357	1791.401489	117.0741425	-0.042935371	1812.135864	121.0384903	0.016300201	1808.171509

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	RW7_Flow	RW7_DW	RW7_WLD	RW7_WLE	MW20A_DW	MW20A_WLD	MW20A_WLE	MW20C_DW	MW20C_WLD	MW20C_WLE
14:03:08	3.829716682	1	55	101.4912491	136.0317688	-20.43319941	1791.358276	117.0740738	-0.042869568	1812.135864	121.0531464	0.001647949	1808.15686
14:03:13	3.913599968	1	55	101.0099945	136.0894775	-20.49090195	1791.300537	117.0740738	-0.05021286	1812.135864	121.0531464	0.008972168	1808.15686
14:03:18	3.996700048	1	55	103.1712494	136.1183167	-20.51975107	1791.271729	117.0814209	-0.05021286	1812.12854	121.0604706	-0.00567627	1808.149536
14:03:23	4.080183506	1	55	102.5849991	136.147171	-20.54860497	1791.242798	117.0751266	-0.042869568	1812.134888	121.0541992	0.001647949	1808.155762
14:03:28	4.164066792	1	55	101.6662521	136.1904602	-20.59188509	1791.199585	117.0740738	-0.042869568	1812.135864	121.0458221	0.008972168	1808.164185
14:03:33	4.247149944	1	55	101.4649963	136.2337341	-20.62179089	1791.15625	117.0813446	-0.050144196	1812.128662	121.0457001	0.009094238	1808.164307
14:03:38	4.330816746	1	55	102.2437515	136.2625885	-20.65785122	1791.127441	117.0814209	-0.05021286	1812.12854	121.045578	0.009212494	1808.164429
14:03:43	4.41386652	1	55	101.9987488	136.2996979	-20.69391584	1791.090332	117.0740738	-0.042869568	1812.135864	121.0530243	0.001766205	1808.156982
14:03:48	4.497733116	1	55	100.7737503	136.3274994	-20.72892809	1791.0625	117.0814209	-0.05021286	1812.12854	121.0457001	0.009094238	1808.164307
14:03:54	4.591400146	1	55	100.5462494	136.3934631	-20.7804718	1790.996582	117.089798	-0.058592796	1812.120117	121.0467529	-0.006614685	1808.163208
14:03:59	4.674733162	1	55	102.0074997	136.4068451	-20.80932522	1790.983154	117.0814819	-0.051333427	1812.128418	121.0604706	-0.006732941	1808.149536
14:04:04	4.758666515	1	55	102.4799957	136.4367523	-20.82991123	1790.953247	117.0971375	-0.064947128	1812.112793	121.0540771	0.001766205	1808.155884
14:04:09	4.842283249	1	55	101.6137466	136.471756	-20.86702776	1790.918213	117.0887451	-0.065936089	1812.121216	121.0531464	0.000591278	1808.15686
14:04:14	4.926733494	1	55	101.7625046	136.4933929	-20.88145494	1790.896606	117.089798	-0.058592796	1812.120117	121.0614014	0.000709534	1808.14856
14:05:13	5.915133476	1	55	101.5175018	136.8179779	-21.21940708	1790.572021	117.1182098	-0.079665184	1812.091797	121.0458221	-0.00567627	1808.164185
14:06:14	6.921949863	1	55	102.6725006	137.0704346	-21.47186422	1790.31958	117.1400757	-0.108870506	1812.069824	121.0531464	0.001647949	1808.15686
14:07:14	7.930266857	1	55	100.1087494	137.2734528	-21.67382574	1790.116577	117.1630554	-0.130799294	1812.046875	121.0467529	0.009094238	1808.163208
14:08:14	8.921732903	1	55	101.5175018	137.4537659	-21.85520124	1789.936279	117.1850586	-0.153850555	1812.024902	121.0539627	0.000827789	1808.156006
14:09:13	9.914999962	1	55	101.1849976	137.6330414	-22.02725697	1789.756958	117.1987991	-0.167596817	1812.011108	121.0523071	0.002479553	1808.157715
14:10:14	10.92465019	1	55	101.0800018	137.7628784	-22.16430473	1789.627197	117.2282562	-0.197051048	1811.981689	121.0458221	0.008972168	1808.164185
14:11:13	11.91709995	1	55	100.7737503	137.9081879	-22.30240011	1789.481812	117.2365875	-0.205382347	1811.973389	121.0541992	0.000591278	1808.155762
14:12:14	12.92423344	1	55	100.3625031	138.0153198	-22.41675282	1789.374756	117.2501373	-0.218931198	1811.959839	121.0527802	0.002006531	1808.157227
14:13:13	13.91396713	1	55	100.7737503	138.1390076	-22.54043055	1789.250977	117.2657776	-0.234570503	1811.944214	121.0467529	0.008037567	1808.163208
14:14:14	14.92198372	1	55	100.8000031	138.2327728	-22.63419771	1789.157227	117.2804413	-0.249240875	1811.929565	121.046875	0.007915497	1808.163086
14:19:14	19.92553329	1	55	100.7474976	138.6449585	-23.04638815	1788.745117	117.3479462	-0.316742897	1811.862061	121.0478058	0.006984711	1808.162109
14:24:14	24.92133331	1	55	101.1237488	138.9345245	-23.335958	1788.455444	117.4070663	-0.375861168	1811.802856	121.0485077	0.006282806	1808.161499
14:29:13	29.91423416	1	55	101.1849976	139.157074	-23.55850506	1788.23291	117.4281387	-0.396933556	1811.78186	121.0404816	0.014308929	1808.169434
14:34:14	34.91643524	1	55	100.1612473	139.3446045	-23.74603963	1788.04541	117.4576721	-0.42647171	1811.752319	121.0481567	0.006629944	1808.161865
14:39:14	39.91889954	1	55	101.0099945	139.502243	-23.90367293	1787.887817	117.4716873	-0.440485954	1811.738281	121.0549088	-0.000118256	1808.155029
14:44:14	44.92063141	1	55	101.2725067	139.6331329	-24.0345571	1787.756836	117.4797363	-0.448533058	1811.730225	121.0480499	0.006744385	1808.161865
14:49:14	49.91433334	1	55	100.2574997	139.7351685	-24.13659215	1787.654785	117.4731979	-0.441996574	1811.736816	121.0338593	0.020935059	1808.176147
14:54:14	54.92011642	1	55	99.87249756	139.8433533	-24.24478626	1787.546631	117.4807892	-0.449588776	1811.729126	121.0336151	0.02117157	1808.176392
14:59:13	59.90643311	1	55	102.5237503	139.9432831	-24.34471703	1787.446777	117.4945374	-0.463335037	1811.715454	121.0475693	0.007221222	1808.162354
15:29:14	89.9036026	1	55	100.6949997	140.5110016	-24.91243196	1786.879028	117.5070343	-0.475828171	1811.702881	121.0390778	0.015708923	1808.170898
15:59:14	119.9007492	1	55	103.1887512	140.7819366	-25.1833663	1786.608032	117.5111923	-0.479990959	1811.69873	121.035675	0.019111633	1808.174316
16:29:14	149.8831635	1	55	101.6399994	141.0095978	-25.41102242	1786.380371	117.5152893	-0.484086037	1811.694702	121.0320435	0.022750854	1808.177979
16:59:14	179.8882904	1	55	101.3687515	141.2023926	-25.6038245	1786.187622	117.5202332	-0.489029884	1811.689697	121.0446472	0.01014328	1808.165283
17:29:13	209.8716278	1	55	101.71875	141.3559723	-25.75739884	1786.034058	117.5222092	-0.491004944	1811.687744	121.0538406	0.00094986	1808.156128
17:59:14	239.874649	1	55	100.5550003	141.5167542	-25.90376198	1785.873291	117.5240555	-0.492848396	1811.685913	121.0485077	0.006282806	1808.161499
18:29:14	269.8623657	1	55	101.0362473	141.5910034	-25.99242687	1785.799072	117.5187759	-0.487568855	1811.691162	121.0438843	0.010906219	1808.166016
18:59:14	299.8529968	1	55	99.53125	141.5199127	-25.92134738	1785.870117	117.5270233	-0.495816231	1811.682983	121.0593567	-0.004562378	1808.150635
19:59:13	359.8321533	1	55	100.3712463	141.7695313	-26.17095625	1785.620483	117.5312347	-0.50002861	1811.678711	121.0998993	-0.04511261	1808.110107
20:59:14	419.8272095	1	55	99.19000244	141.93573	-26.33716547	1785.454346	117.5383453	-0.507139206	1811.671631	121.1356964	-0.080909729	1808.074219
21:59:13	479.8027954	1	55	99.60124969	141.9923859	-26.39381814	1785.397583	117.5373535	-0.506148338	1811.672607	121.1417313	-0.086940765	1808.068237
22:59:15	539.8018799	1	55	100.0299988	142.075943	-26.47737187	1785.314087	117.5267715	-0.495570183	1811.683228	121.1604919	-0.105701447	1808.049438
23:59:14	599.779541	1	55	100.2137527	142.0509949	-26.45241666	1785.338989	117.5235443	-0.492343903	1811.686401	121.1641159	-0.109325409	1808.045898

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	RW7_Flow	RW7_DW	RW7_WLD	RW7_WLE	MW20A_DW	MW20A_WLD	MW20A_WLE	MW20C_DW	MW20C_WLD	MW20C_WLE
0:59:14	659.7584229	1	55	99.50499725	142.0308685	-26.43229979	1785.359131	117.5175018	-0.486296654	1811.692505	121.1888657	-0.134075165	1808.021118
1:59:15	719.7526245	1	55	99.54875183	142.0825653	-26.48399973	1785.321899	117.5185318	-0.487327576	1811.691406	121.2041626	-0.149368286	1808.005859
2:59:14	779.7282104	1	55	100.5199966	142.1557465	-26.55718124	1785.234253	117.5048676	-0.47366333	1811.705078	121.2044983	-0.149707794	1808.005493
3:59:14	839.715332	1	55	99.3999939	142.1991882	-26.60061562	1785.190796	117.5049744	-0.473771095	1811.704956	121.2038422	-0.149055481	1808.006104
4:59:13	899.6982422	1	55	99.64499664	142.240509	-26.6419434	1785.149536	117.4955139	-0.464309692	1811.714478	121.4874039	-0.432613373	1807.722534
5:59:14	959.6853638	1	55	98.16625214	142.2985382	-26.69996077	1785.091431	117.5029602	-0.471754074	1811.707031	121.2310944	-0.176307678	1807.978882
6:59:14	1019.671692	1	55	99.23374939	142.3586578	-26.76008695	1785.031372	117.4977798	-0.466575623	1811.712158	121.2406464	-0.18585968	1807.96936
7:59:15	1079.670288	1	55	98.11375427	142.4031525	-26.80457568	1784.986816	117.506218	-0.475014687	1811.703735	121.2492142	-0.194423676	1807.960693
8:59:15	1139.653198	1	55	99.16374969	142.4794922	-26.88091379	1784.910522	117.4891052	-0.457902908	1811.720825	121.2563934	-0.20160675	1807.953613
9:59:14	1199.625854	1	55	98.99749756	142.7804718	-27.18190557	1784.609497	117.4806442	-0.449438095	1811.72937	121.2046051	-0.14981842	1808.005371
10:59:15	1259.625488	1	55	100.5812454	142.8145905	-27.21602218	1784.575439	117.4713821	-0.440175056	1811.738525	121.2090454	-0.154258728	1808.000977
11:59:14	1319.597534	1	55	99.93374634	142.6694489	-27.07086974	1784.720581	117.45578	-0.424576759	1811.75415	121.2079315	-0.153144836	1808.002075
12:59:15	1379.593384	1	55	98.70874786	142.690918	-27.09234917	1784.699097	117.4557419	-0.424534798	1811.754272	121.207756	-0.152965546	1808.002197
13:59:15	1439.572021	1	55	97.79875183	142.7487793	-27.15020809	1784.641235	117.4481201	-0.416919708	1811.761841	121.207222	-0.152431488	1808.002686
13:59:40	1439.991577	1	55	99.07624817	142.7487793	-27.15020809	1784.641235	117.4481201	-0.416919708	1811.761841	121.1998978	-0.145107269	1808.01001
13:59:45	1440.074829	2	0	58.13500214	139.6904907	-24.091923	1787.699463	117.4481201	-0.416919708	1811.761841	121.2145538	-0.159759521	1807.995361
13:59:50	1440.158447	2	0	29.97750092	136.7043457	-21.10576963	1790.685669	117.455452	-0.424244881	1811.754517	121.2071075	-0.152317047	1808.002808
13:59:55	1440.241699	2	0	10.9375	134.0582428	-18.45967293	1793.331787	117.4491806	-0.417975426	1811.760742	121.2082748	-0.153484344	1808.001709
14:00:00	1440.325195	2	0	3.00999999	131.5110321	-15.91245461	1795.879028	117.4553833	-0.424178123	1811.754639	121.2145538	-0.159759521	1807.995361
14:00:05	1440.408936	2	0	0.717500031	129.2523193	-13.65375137	1798.137695	117.4469986	-0.415794373	1811.762939	121.2133789	-0.158588409	1807.996582
14:00:10	1440.492432	2	0	0.174999997	127.2770309	-11.67845917	1800.113037	117.4627228	-0.431521416	1811.747192	121.2144318	-0.159645081	1807.995483
14:00:15	1440.576172	2	0	0.035	125.668541	-10.06997108	1801.721436	117.4480591	-0.416851997	1811.761963	121.221756	-0.166969299	1807.988159
14:00:20	1440.659424	2	0	-0.00875	124.1599884	-8.561414719	1803.22998	117.4396515	-0.40845108	1811.770264	121.2207031	-0.165912628	1807.989258
14:00:25	1440.743042	2	0	-0.0175	122.8554993	-7.256929398	1804.534546	117.4480591	-0.416851997	1811.761963	121.1997833	-0.144992828	1808.010132
14:00:30	1440.826538	2	0	-0.0175	121.7014313	-6.102859497	1805.688599	117.4480591	-0.416851997	1811.761963	121.2071075	-0.152317047	1808.002808
14:00:35	1440.910034	2	0	-0.0175	120.8286591	-5.230091095	1806.561401	117.440712	-0.409508705	1811.769287	121.2069855	-0.152198792	1808.00293
14:00:40	1440.994019	2	0	-0.0175	120.0269775	-4.428401947	1807.363037	117.4469986	-0.415794373	1811.762939	121.2133789	-0.158588409	1807.996582
14:00:45	1441.078003	2	0	-0.0175	119.3500137	-3.751443863	1808.040039	117.4553833	-0.424178123	1811.754639	121.2216415	-0.166851044	1807.988281
14:00:50	1441.161865	2	0	-0.0175	118.8245239	-3.225952148	1808.56543	117.4491119	-0.417907715	1811.760864	121.2154846	-0.160694122	1807.994507
14:00:55	1441.245483	2	0	-0.026250001	118.3556824	-2.757106781	1809.034302	117.4564362	-0.425233841	1811.75354	121.2154846	-0.160694122	1807.994507
14:01:00	1441.329102	2	0	-0.0175	117.9506989	-2.35213089	1809.439331	117.4543915	-0.423187256	1811.755615	121.2133789	-0.158588409	1807.996582
14:01:05	1441.41333	2	0	-0.026250001	117.6178513	-2.01927948	1809.772217	117.4469986	-0.415794373	1811.762939	121.2059326	-0.15114212	1808.004028
14:01:10	1441.497559	2	0	-0.0175	117.3623962	-1.763828278	1810.027588	117.4438782	-0.412674904	1811.766113	121.2102737	-0.155483246	1807.999634
14:01:15	1441.581909	2	0	-0.0175	117.1284256	-1.529855728	1810.261597	117.4553833	-0.424178123	1811.754639	121.2144318	-0.159645081	1807.995483
14:01:20	1441.665527	2	0	-0.0175	116.9285736	-1.363958359	1810.461426	117.4501648	-0.418963432	1811.759766	121.2165375	-0.161750793	1807.993408
14:01:25	1441.750122	2	0	-0.0175	116.7760468	-1.198060989	1810.614014	117.4491119	-0.417907715	1811.760864	121.2080383	-0.153251648	1808.001953
14:01:30	1441.833618	2	0	-0.0175	116.6389999	-1.068225861	1810.750977	117.4417038	-0.410498619	1811.768311	121.2082748	-0.153484344	1808.001709
14:01:35	1441.917236	2	0	-0.026250001	116.5225449	-0.952819824	1810.867432	117.4406433	-0.409442902	1811.769287	121.2071075	-0.152317047	1808.002808
14:01:40	1442.001099	2	0	-0.0175	116.4205017	-0.844631195	1810.969482	117.440712	-0.409508705	1811.769287	121.2069855	-0.166851044	1808.00293
14:01:45	1442.084717	2	0	-0.0175	116.3483734	-0.764226913	1811.041626	117.4469986	-0.415794373	1811.762939	121.2207031	-0.165912628	1807.989258
14:01:50	1442.168579	2	0	-0.0175	116.2762451	-0.693151474	1811.11377	117.4323273	-0.402182579	1811.777588	121.2133789	-0.159645081	1807.996582
14:01:55	1442.252686	2	0	-0.0175	116.218544	-0.634399414	1811.171509	117.4396515	-0.40845108	1811.770264	121.2133789	-0.158588409	1807.996582
14:02:00	1442.336426	2	0	-0.026250001	116.1680603	-0.584962845	1811.221924	117.4323273	-0.402182579	1811.777588	121.2133789	-0.159645081	1807.996582
14:02:06	1442.42041	2	0	-0.0175	116.1330414	-0.534469604	1811.256958	117.4334564	-0.402249336	1811.776489	121.207222	-0.152431488	1808.002686
14:02:11	1442.504272	2	0	-0.0175	116.0969772	-0.498405457	1811.293091	117.440712	-0.409508705	1811.769287	121.2144318	-0.159645081	1807.995483
14:02:16	1442.587891	2	0	-0.0175	116.0598602	-0.461286545	1811.3302	117.4396515	-0.40845108	1811.770264	121.2060547	-0.151260376	1808.003906

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	RW7_Flow	RW7_DW	RW7_WLD	RW7_WLE	MW20A_DW	MW20A_WLD	MW20A_WLE	MW20C_DW	MW20C_WLD	MW20C_WLE
14:02:21	1442.671631	2	0	-0.0175	116.0310059	-0.432437897	1811.359009	117.4397202	-0.408518791	1811.770264	121.2132568	-0.158466339	1807.996704
14:02:26	1442.755615	2	0	-0.0175	116.0021515	-0.403579712	1811.387817	117.4397202	-0.408518791	1811.770264	121.2133789	-0.158588409	1807.996582
14:02:31	1442.839111	2	0	-0.0175	115.9805145	-0.381946564	1811.409546	117.4396515	-0.40845108	1811.770264	121.2133789	-0.158588409	1807.996582
14:02:36	1442.923096	2	0	-0.026250001	115.966095	-0.367523193	1811.42395	117.4323273	-0.401124954	1811.777588	121.2061615	-0.151374817	1808.003784
14:02:41	1443.006592	2	0	-0.0175	115.9455109	-0.346935272	1811.444458	117.440712	-0.409508705	1811.769287	121.221756	-0.166969299	1807.988159
14:02:46	1443.09082	2	0	-0.0175	115.9310837	-0.332509995	1811.458984	117.440712	-0.409508705	1811.769287	121.2071075	-0.152317047	1808.002808
14:02:51	1443.174316	2	0	-0.0175	115.9166489	-0.318077087	1811.473389	117.4261322	-0.394924164	1811.783813	121.207222	-0.152431488	1808.002686
14:02:56	1443.257935	2	0	-0.0175	115.9011688	-0.302600861	1811.488892	117.4323959	-0.401191711	1811.777588	121.2060547	-0.151260376	1808.003906
14:03:01	1443.341553	2	0	-0.0175	115.8867493	-0.288173676	1811.503296	117.4177246	-0.386523247	1811.792236	121.2133789	-0.158588409	1807.996582
14:03:06	1443.424805	2	0	-0.0175	115.8733826	-0.274806976	1811.516602	117.4261932	-0.394989967	1811.783813	121.207222	-0.152431488	1808.002686
14:03:11	1443.508179	2	0	-0.0175	115.8661575	-0.267585754	1811.523804	117.4261932	-0.394989967	1811.783813	121.2145538	-0.159759521	1807.995361
14:03:16	1443.592163	2	0	-0.0175	115.851738	-0.253164291	1811.53833	117.4261932	-0.394989967	1811.783813	121.207222	-0.152431488	1808.002686
14:03:21	1443.675415	2	0	-0.0175	115.8434677	-0.244897842	1811.546509	117.4323959	-0.401191711	1811.777588	121.2134933	-0.15870285	1807.99646
14:03:26	1443.759033	2	0	-0.0175	115.8373108	-0.238737106	1811.552734	117.4260635	-0.394856453	1811.783936	121.2073364	-0.152549744	1808.002686
14:03:31	1443.842896	2	0	-0.0175	115.8290482	-0.230476379	1811.560913	117.4250717	-0.393866539	1811.784912	121.2208176	-0.166027069	1807.989136
14:03:36	1443.92688	2	0	-0.0175	115.8135681	-0.214992523	1811.576416	117.4094162	-0.378210068	1811.800537	121.2124329	-0.157646179	1807.997559
14:03:41	1444.010132	2	0	-0.0175	115.8063507	-0.207780838	1811.583618	117.4167404	-0.38553524	1811.793213	121.2125549	-0.157764435	1807.997437
14:03:46	1444.093628	2	0	-0.0175	115.8001862	-0.201618195	1811.589844	117.4104691	-0.379262924	1811.799438	121.2136078	-0.158821106	1807.996338
14:03:51	1444.17749	2	0	-0.0175	115.792984	-0.194412231	1811.597046	117.4251404	-0.393932343	1811.78479	121.2136078	-0.158821106	1807.996338
14:03:56	1444.261108	2	0	-0.0175	115.7785568	-0.179985046	1811.61145	117.4104004	-0.379197121	1811.799561	121.2134933	-0.15870285	1807.99646
14:04:01	1444.34436	2	0	-0.0175	115.7785568	-0.179985046	1811.61145	117.4030762	-0.371871948	1811.806885	121.2134933	-0.15870285	1807.99646
14:04:06	1444.428101	2	0	-0.0175	115.7702866	-0.17171669	1811.619751	117.4167404	-0.38553524	1811.793213	121.2053528	-0.150558472	1808.004639
14:04:11	1444.511353	2	0	-0.0175	115.7579727	-0.15940094	1811.63208	117.4115219	-0.380320549	1811.798462	121.2074585	-0.152671814	1808.002441
14:04:16	1444.595459	2	0	-0.0175	115.7496948	-0.151126862	1811.640381	117.4105377	-0.379329681	1811.799438	121.2211761	-0.166381836	1807.98877
14:04:21	1444.678955	2	0	-0.0175	115.7507553	-0.152181625	1811.639282	117.4115219	-0.380320549	1811.798462	121.2147827	-0.159996033	1807.995117
14:04:25	1444.746338	2	0	-0.0175	115.7435455	-0.144973755	1811.646484	117.4115906	-0.380387306	1811.79834	121.2149048	-0.160114288	1807.995117
14:04:31	1444.846436	2	0	-0.026250001	115.7424927	-0.143920898	1811.647461	117.4032059	-0.372003555	1811.806763	121.2138519	-0.159057617	1807.996094
14:04:36	1444.929932	2	0	-0.0175	115.7363281	-0.137758255	1811.653687	117.3969193	-0.365716934	1811.812988	121.2149048	-0.160114288	1807.995117
14:05:35	1445.917358	2	0	-0.0175	115.6724701	-0.072845459	1811.717529	117.383461	-0.35119915	1811.826538	121.2164307	-0.160591125	1807.99353
14:06:36	1446.922729	2	0	-0.026250001	115.619873	-0.021299362	1811.770142	117.3593292	-0.328128815	1811.850586	121.2071228	-0.152328491	1808.002808
14:07:36	1447.927979	2	0	-0.0175	115.6003342	-0.001764297	1811.789673	117.339386	-0.308180809	1811.870605	121.2164307	-0.161643982	1807.99353
14:08:35	1448.914795	2	0	-0.026250001	115.5725403	0.026031494	1811.817505	117.3257065	-0.294500351	1811.884277	121.2247009	-0.169906616	1807.985229
14:09:35	1449.919922	2	0	-0.0175	115.5426331	0.055934906	1811.847412	117.288002	-0.256797791	1811.921997	121.2089844	-0.154197693	1808.000977
14:10:36	1450.924683	2	0	-0.0175	115.5199432	0.07862854	1811.870117	117.2870178	-0.255809784	1811.922974	121.2078171	-0.153026581	1808.002197
14:11:36	1451.929932	2	0	-0.0175	115.5055237	0.09305191	1811.884521	117.2577438	-0.226536751	1811.952271	121.2154999	-0.160709381	1807.994507
14:12:35	1452.918457	2	0	-0.0175	115.4849319	0.113641739	1811.905029	117.2367325	-0.20553112	1811.973267	121.2245941	-0.169799805	1807.985352
14:13:36	1453.923584	2	0	-0.0175	115.481926	0.116645813	1811.908081	117.2338257	-0.202622414	1811.976074	121.2146378	-0.15984726	1807.995361
14:14:36	1454.927246	2	0	-0.0175	115.4611816	0.137390137	1811.928833	117.213028	-0.181820869	1811.996948	121.2085419	-0.153751373	1808.001465
14:19:35	1459.918823	2	0	-0.0175	115.4272232	0.178556442	1811.962769	117.1341553	-0.102947235	1812.075806	121.2087555	-0.153961182	1808.001221
14:24:35	1464.922241	2	0	-0.0175	115.401535	0.198091507	1811.988525	117.100914	-0.068657875	1812.109009	121.2116776	-0.155834198	1807.998291
14:29:36	1469.912842	2	0	-0.0175	115.3923798	0.206195831	1811.997681	117.0763855	-0.045185089	1812.133545	121.2239304	-0.169139862	1807.986084
14:34:36	1474.922485	2	0	-0.0175	115.3758392	0.22167778	1812.01416	117.044693	-0.014541626	1812.165283	121.221817	-0.168079376	1807.988159
14:39:36	1479.912964	2	0	-0.026250001	115.367569	0.230998993	1812.022461	117.0362244	-0.005021095	1812.173706	121.2281952	-0.173408508	1807.981812
14:44:36	1484.9198	2	0	-0.0175	115.3603668	0.238206863	1812.029663	117.0142288	0.016975403	1812.195679	121.2357635	-0.180973053	1807.974243
14:49:35	1489.909546	2	0	-0.0175	115.3531494	0.238206863	1812.036865	117.0146255	0.016576767	1812.195313	121.2368317	-0.182044983	1807.973145
14:54:36	1494.919678	2	0	-0.0175	115.3531494	0.245426178	1812.036865	117.0005722	0.030629158	1812.209351	121.2382584	-0.183467865	1807.97168

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	RW7_Flow	RW7_DW	RW7_WLD	RW7_WLE	MW20A_DW	MW20A_WLD	MW20A_WLE	MW20C_DW	MW20C_WLD	MW20C_WLE
14:59:36	1499.908203	2	0	-0.0175	115.3542023	0.244371414	1812.035767	117.0014954	0.029705048	1812.208496	121.2394409	-0.184646606	1807.970459
15:29:36	1529.907349	2	0	-0.026250001	115.3520966	0.246479034	1812.037964	116.9838562	0.04734993	1812.226074	121.2269135	-0.172122955	1807.983032
15:59:36	1559.90686	2	0	-0.0175	115.3427734	0.25579834	1812.047241	116.9759293	0.05527401	1812.234009	121.2276535	-0.172863007	1807.9823
16:29:36	1589.894287	2	0	-0.026250001	115.3572083	0.24858284	1812.032837	116.9601517	0.063728333	1812.249756	121.2178345	-0.170368195	1807.992188
16:59:37	1619.891602	2	0	-0.0175	115.3911591	0.20741272	1811.998901	116.9586411	0.072565079	1812.251343	121.2237549	-0.168968201	1807.986206
17:29:36	1649.875	2	0	-0.0175	115.4715576	0.127010345	1811.918457	116.9514236	0.07978344	1812.258545	121.2016525	-0.14686203	1808.008301
17:59:36	1679.874512	2	0	-0.0175	115.4984589	0.092897415	1811.891602	116.9421082	0.089095116	1812.267822	121.2070465	-0.152256012	1808.00293
18:29:36	1709.857056	2	0	-0.0175	115.5211487	0.077423096	1811.868896	116.9501572	0.081048012	1812.259766	121.2150726	-0.16027832	1807.994873
18:59:36	1739.854492	2	0	-0.026250001	115.507782	0.090791702	1811.882202	116.951149	0.080057144	1812.258789	121.2157745	-0.160980225	1807.994141
19:59:36	1799.838013	2	0	-0.0175	115.4945602	0.11016655	1811.895508	116.9373245	0.09282589	1812.272583	121.2532806	-0.199539185	1807.956665
20:59:36	1859.829712	2	0	-0.0175	115.4906616	0.107912064	1811.899414	116.9403992	0.090807915	1812.269531	121.2779999	-0.223205566	1807.932007
21:59:36	1919.809814	2	0	-0.0175	115.4795532	0.119018555	1811.9104	116.9361649	0.095040321	1812.273804	121.2812195	-0.2264328	1807.928711
22:59:36	1979.792847	2	0	-0.0175	115.4733963	0.125177383	1811.916626	116.9298096	0.101397514	1812.280151	121.2966995	-0.241909027	1807.913208
23:59:36	2039.780396	2	0	-0.026250001	115.460022	0.138547897	1811.929932	116.9235992	0.107601166	1812.286377	121.3121643	-0.25737381	1807.897827
0:59:36	2099.764648	2	0	-0.0175	115.4549103	0.143659592	1811.935059	116.918251	0.112951279	1812.291748	121.3141479	-0.259361267	1807.895752
1:59:36	2159.750488	2	0	-0.026250001	115.4434967	0.155078888	1811.946533	116.899437	0.13176918	1812.310547	121.3171387	-0.26235199	1807.892822
2:59:37	2219.742188	2	0	-0.026250001	115.431015	0.167560577	1811.958984	116.893959	0.137247086	1812.31604	121.2971039	-0.24230957	1807.912842
3:59:36	2279.715332	2	0	-0.026250001	115.428009	0.170564651	1811.962036	116.890831	0.140370369	1812.319092	121.323288	-0.268501282	1807.886719
4:59:36	2339.710449	2	0	-0.0175	115.419899	0.178670883	1811.970093	116.8898392	0.141366005	1812.320068	121.3368301	-0.260063171	1807.873169
5:59:37	2399.696777	2	0	-0.026250001	115.4211121	0.177457809	1811.968872	116.8909531	0.140252113	1812.31897	121.3377075	-0.282920837	1807.872314
6:59:37	2459.679199	2	0	-0.026250001	115.4233704	0.182405472	1811.966675	116.8785858	0.152685165	1812.331421	121.3407135	-0.285919189	1807.869263
7:59:45	2519.666504	2	0	-0.0175	115.4215775	0.184207916	1811.968384	116.8693619	0.160782814	1812.340576	121.3427505	-0.288902283	1807.867188
8:59:46	2579.649658	2	0	-0.026250001	115.4145279	0.184045792	1811.975464	116.8635559	0.167644501	1812.346436	121.3123169	-0.257526398	1807.897705
9:59:45	2639.631836	2	0	-0.026250001	115.4115219	0.187049866	1811.978516	116.8377762	0.193429947	1812.372192	121.2865143	-0.2317276	1807.923462
10:59:46	2699.621094	2	0	-0.026250001	115.4074707	0.191102982	1811.982544	116.8264008	0.204800606	1812.383545	121.2746811	-0.219890594	1807.935303
11:59:45	2759.597168	2	0	-0.026250001	115.4136276	0.18494606	1811.97644	116.824295	0.206910133	1812.38562	121.2648926	-0.210098267	1807.945068
12:59:45	2819.588135	2	0	-0.026250001	115.4196243	0.178945541	1811.970337	116.8238525	0.207350731	1812.386108	121.2580948	-0.203304291	1807.951904

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW20D_DW	MW20D_WLD	MW20D_WLE	MW20E_DW	MW20E_WLD	MW20E_WLE	MW30A_DW	MW30A_WLD	MW30A_WLE	MW30C_DW
13:59:17	0.651250005	0	0	117.3330536	0.050712585	1811.876953	117.6936417	0.133682251	1811.516357	118.223587	0.001023293	1812.056396	118.2908173
13:59:22	0.072966665	1	55	117.3403625	-0.00730896	1811.869629	117.6790009	0.014640808	1811.531006	118.223587	0.014688492	1812.056396	118.2908173
13:59:27	0.15671666	1	55	117.3476944	-0.014640808	1811.862305	117.6936417	0	1811.516357	118.2308884	0.007389069	1812.049194	118.2834854
13:59:32	0.240850002	1	55	117.3392105	-0.006156921	1811.870728	117.6779251	0.015716553	1811.531982	118.2224884	0.015789032	1812.057495	118.2896576
13:59:38	0.324550003	1	55	117.3476944	-0.014640808	1811.862305	117.6790009	0.014640808	1811.531006	118.2382278	4.48E-05	1812.041748	118.2834854
13:59:43	0.408399999	1	55	117.3329544	9.92E-05	1811.876953	117.6643295	0.029312134	1811.545654	118.2308884	0.007389069	1812.049194	118.2833862
13:59:48	0.492216676	1	55	117.3402634	-0.007209778	1811.869751	117.678978	0.014663696	1811.531006	118.2308426	0.007434845	1812.049194	118.2833862
13:59:53	0.57585001	1	55	117.3402634	-0.007209778	1811.869751	117.678978	0.014663696	1811.531006	118.2308426	0.007434845	1812.049194	118.2980499
13:59:58	0.659749985	1	55	117.3402634	-0.007209778	1811.869751	117.678978	0.014663696	1811.531006	118.2308884	0.007389069	1812.049194	118.2833862
14:00:03	0.743600011	1	55	117.3402634	-0.007209778	1811.869751	117.678978	0.014663696	1811.531006	118.2234955	0.014779091	1812.056519	118.2907181
14:00:08	0.827416658	1	55	117.3328552	0.000198364	1811.877075	117.6789627	0.014678955	1811.531006	118.2234955	0.014779091	1812.056519	118.2906189
14:00:13	0.910899997	1	55	117.3401642	0.014854431	1811.869751	117.6936035	3.81E-05	1811.516357	118.2308426	0.007434845	1812.049194	118.283287
14:00:18	0.994616687	1	55	117.3328552	-0.007110596	1811.877075	117.6789627	0.014678955	1811.531006	118.2308426	0.007434845	1812.049194	118.2979584
14:00:23	1.07796669	1	55	117.3339081	0.000198364	1811.876099	117.6946564	-0.001014709	1811.515259	118.2235413	0.013680458	1812.056519	118.283287
14:00:28	1.16170001	1	55	117.3401642	-0.007110596	1811.869751	117.6936035	3.81E-05	1811.516357	118.2235413	0.014733315	1812.056519	118.2906189
14:00:33	1.245683312	1	55	117.3317947	0.000198364	1811.878174	117.6789627	0.014678955	1811.532104	118.2308884	0.007389069	1812.049194	118.2979584
14:00:38	1.329583406	1	55	117.3401642	-0.014442444	1811.869751	117.6789627	0.014678955	1811.531006	118.2298737	0.007344246	1812.050171	118.282135
14:00:43	1.413550019	1	55	117.3317032	0.001350403	1811.878296	117.6789551	0.014686584	1811.532104	118.2298279	0.007389069	1812.050171	118.2894669
14:00:48	1.497400045	1	55	117.3328552	0.001350403	1811.877075	117.6789627	0.014678955	1811.531006	118.2371292	9.06E-05	1812.042847	118.289566
14:00:53	1.581150055	1	55	117.332756	0.001350403	1811.877197	117.6789551	0.014686584	1811.531006	118.237175	0.007389069	1812.042847	118.2894669
14:00:59	1.665483356	1	55	117.340065	-0.007011414	1811.869873	117.6789551	0.014686584	1811.531006	118.2308884	0.007389069	1812.049194	118.2904205
14:01:04	1.749466658	1	55	117.3326569	0.000396729	1811.877319	117.6778793	0.015762329	1811.531006	118.2382278	0.00110054	1812.041748	118.2905273
14:01:09	1.833616734	1	55	117.332756	0.000297546	1811.877197	117.6935959	4.58E-05	1811.516357	118.2309341	0.007344246	1812.049072	118.2905273
14:01:14	1.917283297	1	55	117.3399658	-0.006912231	1811.869995	117.6789322	0.014709473	1811.545654	118.2162781	0.007344246	1812.063721	118.2904205
14:01:19	2.001333237	1	55	117.3473969	-0.014343262	1811.862549	117.6935959	4.58E-05	1811.516357	118.223587	0.021996498	1812.056396	118.2978592
14:01:24	2.085383415	1	55	117.332756	0.000297546	1811.877197	117.6789551	0.014686584	1811.531006	118.2235413	0.014733315	1812.056519	118.2905273
14:01:29	2.169699907	1	55	117.3547287	-0.02167511	1811.855225	117.6789551	0.014686584	1811.531006	118.2382736	0	1812.041748	118.2905273
14:01:34	2.253616571	1	55	117.332756	0.000297546	1811.877197	117.6789551	0.014686584	1811.531006	118.2225342	0	1812.057495	118.2894669
14:01:39	2.337366581	1	55	117.3315964	0.001457214	1811.878418	117.6925201	0.001121521	1811.517456	118.2298737	0.008399963	1812.050171	118.2967072
14:01:44	2.421183348	1	55	117.338913	-0.005859375	1811.871094	117.6778793	0.015762329	1811.532104	118.2298737	0.008399963	1812.050171	118.2893677
14:01:49	2.504616737	1	55	117.3315048	0.001548767	1811.878418	117.663208	0.030433655	1811.546753	118.2299194	0.008354187	1812.050049	118.2892761
14:01:54	2.588350058	1	55	117.338913	-0.005859375	1811.871094	117.6778793	0.015762329	1811.532104	118.2225342	0.008399963	1812.057495	118.2820358
14:01:59	2.672166586	1	55	117.3315048	0.001548767	1811.878418	117.6925049	0.00113678	1811.517456	118.2225342	0.015744209	1812.057495	118.2892761
14:02:04	2.755733252	1	55	117.324173	0.008880615	1811.885742	117.6778641	0.015777588	1811.532104	118.2298737	0.008399963	1812.050171	118.2892761
14:02:09	2.839116573	1	55	117.3461456	-0.013092041	1811.86377	117.6925049	0.00113678	1811.517456	118.2225342	0.015744209	1812.057495	118.2892761
14:02:14	2.92324996	1	55	117.3388138	-0.005760193	1811.871094	117.6778641	0.015777588	1811.532104	118.2225342	-0.006251335	1812.057495	118.2892761
14:02:19	3.007083416	1	55	117.3388138	-0.005760193	1811.871094	117.6778641	0.015777588	1811.532104	118.2298737	0.008399963	1812.050171	118.2892761
14:02:24	3.09041667	1	55	117.3388138	-0.005760193	1811.871094	117.6925049	0.00113678	1811.517456	118.2298279	0.008444786	1812.050171	118.2819366
14:02:29	3.173716545	1	55	117.3388138	-0.005760193	1811.871094	117.6925049	0.00113678	1811.517456	118.2225342	0.015744209	1812.057495	118.2892761
14:02:34	3.257066727	1	55	117.3387146	-0.005661011	1811.871216	117.6924896	0.001152039	1811.517456	118.2309341	0.001055717	1812.049072	118.2976685
14:02:39	3.34163332	1	55	117.331398	0.000495911	1811.87854	117.6778641	0.015777588	1811.532104	118.2299194	0.008354187	1812.050049	118.2891769
14:02:44	3.424816608	1	55	117.354332	-0.020225525	1811.855591	117.678894	0.01474762	1811.531006	118.2309723	0.007299423	1812.049072	118.2901306
14:02:49	3.509133339	1	55	117.3534775	-0.021476746	1811.856445	117.6789169	0.014724731	1811.532104	118.2298737	0.007344246	1812.050171	118.296608
14:02:54	3.593033314	1	55	117.3398743	-0.020423889	1811.870117	117.6778641	0.015777588	1811.531006	118.2372208	0.001055717	1812.042847	118.296608
14:02:59	3.67658329	1	55	117.3461456	-0.013092041	1811.86377	117.6778641	0.015777588	1811.532104	118.2445297	-0.006251335	1812.035522	118.2892761
14:03:03	3.744333267	1	55	117.3461456	-0.013092041	1811.86377	117.6778641	0.015777588	1811.532104	118.2445297	-0.006251335	1812.035522	118.296608

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW20D_DW	MW20D_WLD	MW20D_WLE	MW20E_DW	MW20E_WLD	MW20E_WLE	MW30A_DW	MW30A_WLD	MW30A_WLE	MW30C_DW
14:03:08	3.829716682	1	55	117.3388138	-0.005760193	1811.871094	117.6778641	0.015777588	1811.532104	118.2444839	-0.006206512	1812.035522	118.2892761
14:03:13	3.913599968	1	55	117.3388138	-0.005760193	1811.871094	117.6778641	0.015777588	1811.517456	118.237175	0.00110054	1812.042847	118.2892761
14:03:18	3.996700048	1	55	117.3315048	0.001548767	1811.878418	117.7071915	-0.013549805	1811.502808	118.237175	0.00110054	1812.042847	118.296608
14:03:23	4.080183506	1	55	117.3471985	-0.013092041	1811.862793	117.7071915	-0.013549805	1811.501709	118.2308884	0.008444786	1812.049194	118.290329
14:03:28	4.164066792	1	55	117.3461456	-0.013092041	1811.86377	117.6778641	0.015777588	1811.532104	118.2444839	-0.006206512	1812.035522	118.296608
14:03:33	4.247149944	1	55	117.3387146	-0.005661011	1811.871216	117.6924896	0.001152039	1811.517456	118.2308426	0.008489609	1812.049194	118.2975616
14:03:38	4.330816746	1	55	117.3459473	-0.012893677	1811.864014	117.6778336	0.015808105	1811.532104	118.2455368	-0.006206512	1812.034546	118.2975616
14:03:43	4.41386652	1	55	117.3387146	-0.005661011	1811.871216	117.6924896	0.001152039	1811.517456	118.2444839	-0.006206512	1812.035522	118.2891769
14:03:48	4.497733116	1	55	117.3460464	-0.012992859	1811.863892	117.6778412	0.015800476	1811.532104	118.2382736	0.00110054	1812.041748	118.2975616
14:03:54	4.591400146	1	55	117.3544312	-0.006713867	1811.855469	117.6789017	0.01473999	1811.531006	118.2382278	4.48E-05	1812.041748	118.2975616
14:03:59	4.674733162	1	55	117.3388138	-0.006820679	1811.871094	117.6789169	0.014724731	1811.532104	118.2382736	0	1812.041748	118.3049011
14:04:04	4.758666515	1	55	117.3470993	-0.012992859	1811.862915	117.6924896	0.001152039	1811.516357	118.2444839	-0.006251335	1812.035522	118.2965088
14:04:09	4.842283249	1	55	117.3461456	-0.021476746	1811.86377	117.6935577	8.39E-05	1811.517456	118.2455368	-0.00726223	1812.034546	118.3049927
14:04:14	4.926733494	1	55	117.3470993	-0.014045715	1811.862915	117.6924896	0.001152039	1811.516357	118.2382278	-0.006206512	1812.041748	118.3049927
14:05:13	5.915133476	1	55	117.3534775	-0.013092041	1811.856445	117.6925049	0.00113678	1811.502808	118.2445755	-0.006297112	1812.0354	118.296608
14:06:14	6.921949863	1	55	117.3534775	-0.020423889	1811.856445	117.6925049	0.00113678	1811.517456	118.2444839	0.00110054	1812.035522	118.3039398
14:07:14	7.930266857	1	55	117.3837357	-0.049621582	1811.826172	117.6924896	0.001152039	1811.516357	118.2528381	-0.013505936	1812.027222	118.312233
14:08:14	8.921732903	1	55	117.3689957	-0.035942078	1811.840942	117.7082214	-0.014579773	1811.501709	118.2748337	-0.029213905	1812.005249	118.3121338
14:09:13	9.914999962	1	55	117.3527756	-0.019721985	1811.857178	117.7070847	-0.013442993	1811.50293	118.2738647	-0.035593033	1812.006104	118.3179016
14:10:14	10.92465019	1	55	117.3681335	-0.035079956	1811.841797	117.7071915	-0.013549805	1811.502808	118.2676697	-0.035682678	1812.012329	118.3123322
14:11:13	11.91709995	1	55	117.3618393	-0.036140442	1811.848145	117.7229233	-0.029281616	1811.487061	118.2896194	-0.051344872	1811.990356	118.3196411
14:12:14	12.92423344	1	55	117.367836	-0.03478241	1811.842163	117.7071457	-0.013504028	1811.502808	118.2895737	-0.050244331	1811.990479	118.326683
14:13:13	13.91396713	1	55	117.3764038	-0.04335022	1811.833496	117.722908	-0.029266357	1811.487061	118.2968369	-0.058562279	1811.983154	118.3268738
14:14:14	14.92198372	1	55	117.376503	-0.043449402	1811.833496	117.7082443	-0.014602661	1811.501709	118.3188324	-0.080557823	1811.961182	118.341629
14:19:14	19.92553329	1	55	117.3847809	-0.051727295	1811.825195	117.7239532	-0.030311584	1811.485962	118.3422012	-0.103923798	1811.937866	118.3500061
14:24:14	24.92133331	1	55	117.3855438	-0.052490234	1811.824463	117.7396164	-0.045974731	1811.470337	118.3648453	-0.126569748	1811.915161	118.3653412
14:29:13	29.91423416	1	55	117.3921127	-0.059059143	1811.817871	117.7386093	-0.044967651	1811.471313	118.3931808	-0.162252426	1811.886841	118.3645782
14:34:14	34.91643524	1	55	117.3997421	-0.066688538	1811.810181	117.7386627	-0.045021057	1811.471313	118.4080048	-0.162387848	1811.87207	118.3795166
14:39:14	39.91889954	1	55	117.3917465	-0.058692932	1811.818237	117.7230225	-0.029380798	1811.486938	118.429184	-0.176258087	1811.85083	118.371521
14:44:14	44.92063141	1	55	117.3923111	-0.059257507	1811.817627	117.7239914	-0.030349731	1811.485962	118.4300156	-0.184429169	1811.849976	118.3720856
14:49:14	49.91433334	1	55	117.3855438	-0.052490234	1811.824463	117.7396164	-0.045974731	1811.470337	118.4382324	-0.19995594	1811.841797	118.3726578
14:54:14	54.92011642	1	55	117.4000015	-0.066947937	1811.809937	117.7249451	-0.031303406	1811.484985	118.445755	-0.200136185	1811.834229	118.3651428
14:59:13	59.90643311	1	55	117.4065704	-0.073516846	1811.803345	117.7239304	-0.030288696	1811.486084	118.4531555	-0.213822365	1811.826904	118.3800888
15:29:14	89.9036026	1	55	117.3979263	-0.064872742	1811.812012	117.7376556	-0.044013977	1811.473389	118.4656525	-0.24206543	1811.814331	118.3860931
15:59:14	119.9007492	1	55	117.4165344	-0.083480835	1811.793457	117.7480774	-0.05443573	1811.461914	118.47612	-0.237846375	1811.803955	118.3889923
16:29:14	149.8831635	1	55	117.4203033	-0.087249756	1811.789673	117.7594986	-0.065856934	1811.450439	118.4812698	-0.256594658	1811.798706	118.4011536
16:59:14	179.8882904	1	55	117.4255829	-0.092529297	1811.784424	117.7501221	-0.056480408	1811.459839	118.4863205	-0.246993065	1811.793701	118.3991013
17:29:13	209.8716278	1	55	117.4421463	-0.109092712	1811.767822	117.766861	-0.073219299	1811.443115	118.4862289	-0.249010086	1811.793823	118.3989105
17:59:14	239.874649	1	55	117.4295044	-0.096450806	1811.780518	117.7836227	-0.089981079	1811.426392	118.5112076	-0.265590668	1811.768799	118.4166412
18:29:14	269.8623657	1	55	117.4394379	-0.106384277	1811.770508	117.78582	-0.092178345	1811.424194	118.5132751	-0.27500248	1811.766724	118.4192352
18:59:14	299.8529968	1	55	117.4695892	-0.136535645	1811.740356	117.8015137	-0.107872009	1811.408447	118.5079498	-0.268623352	1811.772095	118.4357986
19:59:13	359.8321533	1	55	117.4662399	-0.13318634	1811.743774	117.8717346	-0.178092957	1811.338257	118.5258026	-0.287526131	1811.754272	118.4460602
20:59:14	419.8272095	1	55	117.480217	-0.147163391	1811.729736	117.8717041	-0.178062439	1811.338257	118.5183487	-0.280072212	1811.761719	118.452713
21:59:13	479.8027954	1	55	117.464325	-0.131271362	1811.745605	117.899971	-0.206329346	1811.309937	118.5037384	-0.264409065	1811.776245	118.4378738
22:59:15	539.8018799	1	55	117.4830933	-0.150039673	1811.726807	117.8895035	-0.195861816	1811.320435	118.5067749	-0.268541336	1811.773193	118.4409409
23:59:14	599.779541	1	55	117.494133	-0.161079407	1811.71582	117.9375534	-0.243911743	1811.272461	118.5036087	-0.265335083	1811.776367	118.4374313

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW20D_DW	MW20D_WLD	MW20D_WLE	MW20E_DW	MW20E_WLD	MW20E_WLE	MW30A_DW	MW30A_WLD	MW30A_WLE	MW30C_DW
0:59:14	659.7584229	1	55	117.4893188	-0.156265259	1811.720703	117.9462814	-0.252639771	1811.263672	118.4975204	-0.259244919	1811.782471	118.4325867
1:59:15	719.7526245	1	55	117.4973679	-0.16431427	1811.712646	117.9546585	-0.261016846	1811.255249	118.4986115	-0.260335922	1811.781372	118.4405365
2:59:14	779.7282104	1	55	117.7249298	-0.391876221	1811.484985	117.9409714	-0.247329712	1811.269043	118.4922791	-0.25399971	1811.78772	118.4336777
3:59:14	839.715332	1	55	117.453331	-0.120277405	1811.756592	117.8895645	-0.195922852	1811.320435	118.4776611	-0.239432335	1811.802368	118.425827
4:59:13	899.6982422	1	55	117.4731674	-0.140113831	1811.736816	117.9095078	-0.215866089	1811.300415	118.4756317	-0.237355232	1811.804443	118.4163437
5:59:14	959.6853638	1	55	117.46595	-0.132896423	1811.744019	117.9242859	-0.230644226	1811.285645	118.4830551	-0.244779587	1811.796997	118.4237823
6:59:14	1019.671692	1	55	117.475502	-0.142448425	1811.734497	117.9411621	-0.247520447	1811.268799	118.4779434	-0.239621162	1811.802124	118.4113693
7:59:15	1079.670288	1	55	117.4840469	-0.150993347	1811.725952	117.9202881	-0.226646423	1811.289673	118.4716873	-0.233408928	1811.80835	118.4272232
8:59:15	1139.653198	1	55	117.4760742	-0.14302063	1811.733887	117.9102402	-0.216598511	1811.299683	118.4617004	-0.223428726	1811.818359	118.41922
9:59:14	1199.625854	1	55	117.4240341	-0.09098053	1811.785889	117.7983704	-0.104728699	1811.411621	118.4309616	-0.192687988	1811.849121	118.3891144
10:59:15	1259.625488	1	55	117.4066391	-0.07358551	1811.803345	117.7888947	-0.095252991	1811.421021	118.4143295	-0.176054955	1811.865723	118.3863907
11:59:14	1319.597534	1	55	117.4055481	-0.072494507	1811.804443	117.7365112	-0.042869568	1811.473389	118.4196472	-0.182430267	1811.860352	118.3622437
12:59:15	1379.593384	1	55	117.4053879	-0.07233429	1811.804565	117.7584381	-0.064796448	1811.451538	118.4070282	-0.167700768	1811.873047	118.3715363
13:59:15	1439.572021	1	55	117.3976288	-0.064575195	1811.812378	117.7521667	-0.058525085	1811.458862	118.4141922	-0.175915718	1811.865845	118.3491135
13:59:40	1439.991577	1	55	117.3902969	-0.057243347	1811.819702	117.7511063	-0.0574646	1811.458862	118.3984833	-0.160208702	1811.881592	118.362709
13:59:45	1440.074829	2	0	117.3902969	-0.057243347	1811.819702	117.7364197	-0.042778015	1811.473511	118.3900833	-0.152864456	1811.889893	118.3616486
13:59:50	1440.158447	2	0	117.397522	-0.064468384	1811.8125	117.7657318	-0.072090149	1811.444214	118.4068832	-0.167552948	1811.873169	118.3563538
13:59:55	1440.241699	2	0	117.3913498	-0.058296204	1811.818604	117.7668076	-0.073165894	1811.443115	118.3984833	-0.16126442	1811.881592	118.3553925
14:00:00	1440.325195	2	0	117.3902969	-0.057243347	1811.819702	117.7511063	-0.0574646	1811.458862	118.391098	-0.152819633	1811.888916	118.362709
14:00:05	1440.408936	2	0	117.3891373	-0.056083679	1811.820801	117.7500534	-0.056411743	1811.459961	118.4120331	-0.151762009	1811.868042	118.3542404
14:00:10	1440.492432	2	0	117.3828659	-0.049812317	1811.827148	117.751091	-0.057449341	1811.458862	118.399498	-0.160163879	1811.880493	118.3563538
14:00:15	1440.576172	2	0	117.397522	-0.064468384	1811.8125	117.7657318	-0.072090149	1811.444214	118.3984375	-0.160163879	1811.881592	118.3553009
14:00:20	1440.659424	2	0	117.3891373	-0.056083679	1811.820801	117.764679	-0.071037292	1811.459961	118.3973846	-0.1664505	1811.88269	118.361557
14:00:25	1440.743042	2	0	117.3901978	-0.057144165	1811.819824	117.7500381	-0.056396484	1811.458862	118.3973846	-0.159106255	1811.88269	118.3542404
14:00:30	1440.826538	2	0	117.3828659	-0.049812317	1811.827148	117.764679	-0.071037292	1811.444214	118.3984375	-0.159106255	1811.881592	118.3553009
14:00:35	1440.910034	2	0	117.3900986	-0.057044983	1811.819824	117.7657166	-0.07207489	1811.444214	118.4057846	-0.167508125	1811.874268	118.3551941
14:00:40	1440.994019	2	0	117.3891373	-0.056083679	1811.820801	117.7500381	-0.056396484	1811.445313	118.4047241	-0.1664505	1811.875244	118.3469086
14:00:45	1441.078003	2	0	117.3900986	-0.057044983	1811.819824	117.7657166	-0.07207489	1811.444214	118.3984375	-0.160163879	1811.881592	118.3479614
14:00:50	1441.161865	2	0	117.3912506	-0.058197021	1811.818726	117.7667923	-0.073150635	1811.443115	118.4005508	-0.161219597	1811.879517	118.3574066
14:00:55	1441.245483	2	0	117.3985748	-0.06552124	1811.811401	117.7667923	-0.073150635	1811.443115	118.399498	-0.161219597	1811.880493	118.3563538
14:01:00	1441.329102	2	0	117.4111252	-0.078071594	1811.798828	117.7500381	-0.056396484	1811.459961	118.4058304	-0.166495323	1811.874146	118.3553009
14:01:05	1441.41333	2	0	117.3890381	-0.055984497	1811.820923	117.7500381	-0.056396484	1811.459961	118.3973846	-0.159106255	1811.88269	118.3541412
14:01:10	1441.497559	2	0	117.4006882	-0.067634583	1811.809326	117.7531891	-0.059547424	1811.455688	118.4078903	-0.169617653	1811.872192	118.3647232
14:01:15	1441.581909	2	0	117.397522	-0.064468384	1811.8125	117.7521515	-0.058509827	1811.458862	118.3984375	-0.161219597	1811.881592	118.3553009
14:01:20	1441.665527	2	0	117.3996353	-0.066581726	1811.810303	117.7678452	-0.074203491	1811.442139	118.4068375	-0.169617653	1811.873169	118.3636703
14:01:25	1441.750122	2	0	117.3911514	-0.058097839	1811.818848	117.7667694	-0.073127747	1811.443237	118.4068375	-0.168563843	1811.873169	118.3562546
14:01:30	1441.833618	2	0	117.3986816	-0.065628052	1811.811279	117.737442	-0.043800354	1811.472534	118.3983917	-0.16117382	1811.881592	118.3553925
14:01:35	1441.917236	2	0	117.397522	-0.064468384	1811.8125	117.751091	-0.057449341	1811.458862	118.3899918	-0.160119057	1811.890015	118.361557
14:01:40	1442.001099	2	0	117.3900986	-0.064376831	1811.819824	117.7510757	-0.057434082	1811.458862	118.3973846	-0.160163879	1811.88269	118.3541412
14:01:45	1442.084717	2	0	117.3818054	-0.048751831	1811.828125	117.764679	-0.071037292	1811.445313	118.4047241	-0.159106255	1811.875244	118.3542404
14:01:50	1442.168579	2	0	117.3891373	-0.057144165	1811.820801	117.764679	-0.071037292	1811.445313	118.4057846	-0.1664505	1811.874268	118.3479614
14:01:55	1442.252686	2	0	117.3891373	-0.056083679	1811.820801	117.764679	-0.071037292	1811.445313	118.3973846	-0.1664505	1811.88269	118.3542404
14:02:00	1442.336426	2	0	117.3891373	-0.064468384	1811.820801	117.7500381	-0.056396484	1811.459961	118.4047241	-0.1664505	1811.875244	118.3616486
14:02:06	1442.42041	2	0	117.3902969	-0.057243347	1811.819702	117.7657547	-0.072113037	1811.444214	118.3911438	-0.167552948	1811.888916	118.3553925
14:02:11	1442.504272	2	0	117.3828659	-0.049812317	1811.827148	117.751091	-0.057449341	1811.458862	118.3984375	-0.160163879	1811.881592	118.3553009
14:02:16	1442.587891	2	0	117.3891373	-0.056083679	1811.820801	117.764679	-0.071037292	1811.445313	118.3973846	-0.159106255	1811.88269	118.3542404

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW20D_DW	MW20D_WLD	MW20D_WLE	MW20E_DW	MW20E_WLD	MW20E_WLE	MW30A_DW	MW30A_WLD	MW30A_WLE	MW30C_DW
14:02:21	1442.671631	2	0	117.3890381	-0.055984497	1811.820923	117.7500153	-0.056373596	1811.459961	118.3911438	-0.151806831	1811.888916	118.3551941
14:02:26	1442.755615	2	0	117.3964691	-0.063415527	1811.813477	117.764679	-0.071037292	1811.445313	118.3974304	-0.159151077	1811.882568	118.3542404
14:02:31	1442.839111	2	0	117.3891373	-0.056083679	1811.820801	117.764679	-0.071037292	1811.445313	118.4047241	-0.1664505	1811.875244	118.3469086
14:02:36	1442.923096	2	0	117.3892365	-0.056182861	1811.820679	117.7500534	-0.056411743	1811.459961	118.3973846	-0.151762009	1811.88269	118.3543396
14:02:41	1443.006592	2	0	117.3901978	-0.057144165	1811.819824	117.7657318	-0.072090149	1811.444214	118.3984375	-0.160163879	1811.881592	118.3553009
14:02:46	1443.09082	2	0	117.397522	-0.064468384	1811.8125	117.7657318	-0.072090149	1811.444214	118.3984375	-0.160163879	1811.881592	118.3553925
14:02:51	1443.174316	2	0	117.3902969	-0.057243347	1811.819702	117.7657547	-0.072113037	1811.444214	118.3911438	-0.152864456	1811.888916	118.3553925
14:02:56	1443.257935	2	0	117.3891373	-0.056083679	1811.820801	117.764679	-0.071037292	1811.445313	118.4047699	-0.166495323	1811.875244	118.3469086
14:03:01	1443.341553	2	0	117.3671646	-0.034111023	1811.842773	117.764679	-0.071037292	1811.459961	118.3974686	-0.159151077	1811.882568	118.361557
14:03:06	1443.424805	2	0	117.3829651	-0.049911499	1811.827026	117.7511063	-0.0574646	1811.458862	118.3911819	-0.152909279	1811.888794	118.3553925
14:03:11	1443.508179	2	0	117.3902969	-0.057243347	1811.819702	117.7657547	-0.072113037	1811.444214	118.3911819	-0.160253525	1811.888794	118.348053
14:03:16	1443.592163	2	0	117.3976288	-0.064575195	1811.812378	117.7657547	-0.072113037	1811.444214	118.3911819	-0.152909279	1811.888794	118.348053
14:03:21	1443.675415	2	0	117.3965683	-0.063514709	1811.813354	117.7646942	-0.071052551	1811.445313	118.3900375	-0.151806831	1811.890015	118.3470001
14:03:26	1443.759033	2	0	117.3830643	-0.050010681	1811.826904	117.7657623	-0.072120667	1811.444214	118.4058304	-0.167508125	1811.874146	118.3481598
14:03:31	1443.842896	2	0	117.3965683	-0.063514709	1811.813354	117.7646942	-0.071052551	1811.445313	118.4047699	-0.166495323	1811.875244	118.3470001
14:03:36	1443.92688	2	0	117.3735428	-0.040489197	1811.836426	117.7489929	-0.055351257	1811.460938	118.3817673	-0.143490791	1811.898315	118.3460464
14:03:41	1444.010132	2	0	117.395607	-0.062553406	1811.814331	117.7647018	-0.071060181	1811.446289	118.3964157	-0.1591959	1811.883667	118.3460464
14:03:46	1444.093628	2	0	117.3893356	-0.056282043	1811.820679	117.750061	-0.056419373	1811.459961	118.3964157	-0.1591959	1811.883667	118.3460464
14:03:51	1444.17749	2	0	117.3893356	-0.056282043	1811.820679	117.750061	-0.056419373	1811.459961	118.3890762	-0.151851654	1811.890991	118.3460464
14:03:56	1444.261108	2	0	117.3892365	-0.056182861	1811.820679	117.7646942	-0.071052551	1811.445313	118.3911438	-0.151806831	1811.888916	118.3407288
14:04:01	1444.34436	2	0	117.3819122	-0.048858643	1811.828003	117.7646942	-0.071052551	1811.445313	118.3890305	-0.151806831	1811.890991	118.3532867
14:04:06	1444.428101	2	0	117.3810501	-0.047996521	1811.828857	117.7636642	-0.070022583	1811.446289	118.3964157	-0.158143044	1811.883667	118.3461456
14:04:11	1444.511353	2	0	117.3904953	-0.057441711	1811.819458	117.7511368	-0.057495117	1811.458862	118.3901291	-0.152909279	1811.889893	118.3471985
14:04:16	1444.595459	2	0	117.3822021	-0.04914856	1811.827759	117.7500992	-0.05645752	1811.459839	118.3901749	-0.15189743	1811.889893	118.3546295
14:04:21	1444.678955	2	0	117.3831635	-0.050109863	1811.826782	117.7647247	-0.071083069	1811.444214	118.3911819	-0.151851654	1811.888794	118.3556824
14:04:25	1444.746338	2	0	117.3832626	-0.050209045	1811.82666	117.76474	-0.071098328	1811.444214	118.3839264	-0.144589424	1811.896118	118.3483582
14:04:31	1444.846436	2	0	117.3968658	-0.063812256	1811.81311	117.7500992	-0.05645752	1811.459839	118.3975143	-0.15189743	1811.882568	118.3472977
14:04:36	1444.929932	2	0	117.3832626	-0.050209045	1811.82666	117.7354126	-0.041770935	1811.444214	118.3975143	-0.159241676	1811.882568	118.3472977
14:05:35	1445.917358	2	0	117.3993683	-0.065261841	1811.810547	117.7522736	-0.058631897	1811.457642	118.3913193	-0.146792412	1811.888672	118.3487396
14:06:36	1446.922729	2	0	117.3826981	-0.04964447	1811.827271	117.7501755	-0.056533813	1811.459839	118.3683014	-0.14467907	1811.911743	118.3331299
14:07:36	1447.927979	2	0	117.3700638	-0.037010193	1811.839844	117.737587	-0.043945313	1811.472412	118.3776779	-0.132096291	1811.902344	118.3351517
14:08:35	1448.914795	2	0	117.3783493	-0.045295715	1811.831665	117.7239838	-0.030342102	1811.485962	118.3692703	-0.133105278	1811.910767	118.3339996
14:09:35	1449.919922	2	0	117.3699646	-0.036911011	1811.839966	117.7522507	-0.058609009	1811.457764	118.3703232	-0.132050514	1811.909668	118.3266602
14:10:36	1450.924683	2	0	117.3688202	-0.035766602	1811.841187	117.7218475	-0.028205872	1811.488159	118.3556824	-0.116352081	1811.924316	118.3202972
14:11:36	1451.929932	2	0	117.3691101	-0.036056519	1811.84082	117.7219009	-0.028259277	1811.488037	118.3536148	-0.116396904	1811.926392	118.3186646
14:12:35	1452.918457	2	0	117.3707581	-0.037704468	1811.839233	117.7219925	-0.02835083	1811.486938	118.3420868	-0.101699829	1811.937988	118.3148804
14:13:36	1453.923584	2	0	117.360733	-0.027679443	1811.849243	117.7409134	-0.047271729	1811.468018	118.3380814	-0.106054306	1811.941895	118.3184357
14:14:36	1454.927246	2	0	117.5816879	-0.248634338	1811.628296	117.735672	-0.042030334	1811.474243	118.324585	-0.086262703	1811.955444	118.304985
14:19:35	1459.918823	2	0	117.3477783	-0.014724731	1811.862183	117.6935349	0.000106812	1811.516479	118.298172	-0.05884552	1811.981812	118.2845917
14:24:35	1464.922241	2	0	117.3287811	0.005325317	1811.881226	117.7260208	-0.03237915	1811.513306	118.2711258	-0.032848358	1812.008911	118.2791901
14:29:36	1469.912842	2	0	117.3410873	-0.008033752	1811.868896	117.701889	-0.008247375	1811.508057	118.2383804	-0.001159668	1812.041626	118.2684631
14:34:36	1474.922485	2	0	117.3463058	0.0076828	1811.863647	117.7155075	-0.021865845	1811.495483	118.222496	0.0147295	1812.057495	118.2674026
14:39:36	1479.912964	2	0	117.3380203	-0.004966736	1811.871948	117.7144775	-0.020835876	1811.496582	118.2077942	0.030479431	1812.072266	118.2748337
14:44:36	1484.9198	2	0	117.3455505	-0.012496948	1811.86438	117.7281342	-0.034492493	1811.49646	118.2067413	0.031537056	1812.073242	118.2666321
14:49:35	1489.909546	2	0	117.3391113	-0.006057739	1811.87085	117.7135925	-0.019950867	1811.496338	118.1996613	0.045954704	1812.080322	118.2601776
14:54:36	1494.919678	2	0	117.3476257	-0.014572144	1811.862305	117.743103	-0.049461365	1811.466797	118.1780777	0.052855492	1812.101929	118.2686844

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW20D_DW	MW20D_WLD	MW20D_WLE	MW20E_DW	MW20E_WLD	MW20E_WLE	MW30A_DW	MW30A_WLD	MW30A_WLE	MW30C_DW
14:59:36	1499.908203	2	0	117.3487778	-0.015724182	1811.861206	117.7137833	-0.020141602	1811.495117	118.1717377	0.067597389	1812.108276	118.2698364
15:29:36	1529.907349	2	0	117.3367691	-0.003715515	1811.873169	117.7123337	-0.018692017	1811.497681	118.1616974	0.076581955	1812.118286	118.2432098
15:59:36	1559.90686	2	0	117.344368	-0.011314392	1811.865601	117.7252731	-0.03163147	1811.484741	118.1606216	0.08499527	1812.119385	118.2580872
16:29:36	1589.894287	2	0	117.3129654	0.012756348	1811.896973	117.6955872	-0.001945496	1811.514404	118.1452026	0.093072891	1812.134766	118.241394
16:59:37	1619.891602	2	0	117.318779	0.014274597	1811.891235	117.6935806	6.10E-05	1811.516357	118.1362	0.102119446	1812.143799	118.2398682
17:29:36	1649.875	2	0	117.3115158	0.021537781	1811.898438	117.6798248	0.013816833	1811.5448	118.1292725	0.109004974	1812.150757	118.2253036
17:59:36	1679.874512	2	0	117.2949219	0.038131714	1811.915039	117.6411133	0.052528381	1811.568848	118.1345901	0.103684425	1812.145386	118.2306747
18:29:36	1709.857056	2	0	117.3030014	0.030052185	1811.906982	117.6567917	0.036849976	1811.58252	118.1354141	0.102859497	1812.144653	118.2241058
18:59:36	1739.854492	2	0	117.303772	0.021972656	1811.90625	117.6578064	0.035835266	1811.552124	118.1290817	0.109190941	1812.151001	118.2248688
19:59:36	1799.838013	2	0	117.3046799	0.027320862	1811.905273	117.6819153	0.011726379	1811.529053	118.123703	0.114530563	1812.156372	118.2048569
20:59:36	1859.829712	2	0	117.314827	0.018226624	1811.895142	117.6913528	0.002288818	1811.518555	118.1258011	0.112471581	1812.154175	118.2066345
21:59:36	1919.809814	2	0	117.3253784	0.007675171	1811.884521	117.6872482	0.006393433	1811.522705	118.1216125	0.116661072	1812.158447	118.1952057
22:59:36	1979.792847	2	0	117.3262405	0.006813049	1811.883667	117.717598	-0.023956299	1811.49231	118.1006241	0.13765049	1812.179443	118.2032928
23:59:36	2039.780396	2	0	117.3197632	0.013290405	1811.890137	117.7186279	-0.024986267	1811.462036	118.1017303	0.136548996	1812.178345	118.2115784
0:59:36	2099.764648	2	0	117.3217773	0.011276245	1811.888184	117.7353668	-0.041725159	1811.474609	118.0974579	0.141876221	1812.182617	118.1999817
1:59:36	2159.750488	2	0	117.3101273	0.022926331	1811.89978	117.7311249	-0.037483215	1811.478882	118.0838623	0.153355598	1812.196167	118.1935577
2:59:37	2219.742188	2	0	117.3047562	0.028297424	1811.905151	117.6965179	-0.002876282	1811.513428	118.0795059	0.158766747	1812.200562	118.1892395
3:59:36	2279.715332	2	0	117.4994659	-0.166412354	1811.710449	117.7300644	-0.036422729	1811.479858	118.0910339	0.147240639	1812.188965	118.1934586
4:59:36	2339.710449	2	0	117.3078918	0.03250885	1811.9021	117.7217255	-0.028083801	1811.488281	118.0827179	0.15555954	1812.197266	118.1850281
5:59:37	2399.696777	2	0	117.2941589	0.038894653	1811.915771	117.7301331	-0.036491394	1811.479858	118.0764999	0.161772728	1812.203491	118.178627
6:59:37	2459.679199	2	0	117.2896957	0.043357849	1811.920288	117.6957321	-0.002090454	1811.514282	118.0640869	0.174230576	1812.215942	118.181488
7:59:45	2519.666504	2	0	117.4815292	0.084999084	1811.728394	117.6209183	0.072723389	1811.588989	118.0621872	0.176086426	1812.217896	118.1534729
8:59:46	2579.649658	2	0	117.2168655	0.116188049	1811.993042	117.5401382	0.153503418	1811.6698	118.0423203	0.197010994	1812.237671	118.1316223
9:59:45	2639.631836	2	0	117.1692047	0.163848877	1812.040771	117.5002823	0.193359375	1811.709717	118.0094376	0.229891777	1812.27063	118.1059418
10:59:46	2699.621094	2	0	117.1574326	0.175621033	1812.05249	117.4447174	0.248924255	1811.765259	118.0042953	0.233980179	1812.275757	118.0931168
11:59:45	2759.597168	2	0	117.1330338	0.200019836	1812.076904	117.4279099	0.265731812	1811.782104	117.9948425	0.24343586	1812.285156	118.0760498
12:59:45	2819.588135	2	0	117.1407852	0.192268372	1812.069214	117.4646149	0.229026794	1811.745361	117.9872284	0.251091003	1812.292847	118.0838165

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW30C_WLD	MW30C_WLE	MW30D_DW	MW30D_WLD	MW30D_WLE	MW30E_DW	MW30E_WLD	MW30E_WLE	MW49B_DW	MW49B_WLD
13:59:17	0.651250005	0	0	0.014144897	1811.989258	118.4542542	0.015678406	1811.825806	119.1522446	0.13483429	1811.127808	118.1754532	-0.062809467
13:59:22	0.072966665	1	55	0	1811.989258	118.4469223	0.007331848	1811.83313	119.1669312	0	1811.113037	118.1754532	0
13:59:27	0.15671666	1	55	0.007331848	1811.996582	118.4542542	0	1811.825806	119.1815872	-0.014656067	1811.098389	118.1754532	0
13:59:32	0.240850002	1	55	0.001155853	1811.990356	118.4531555	0.001098633	1811.826904	119.1512222	0.015708923	1811.128784	118.1744003	0.00105238
13:59:38	0.324550003	1	55	0.007331848	1811.996582	118.4542542	0	1811.825806	119.1669312	-0.014656067	1811.113037	118.1711273	0.004327774
13:59:43	0.408399999	1	55	0.007434845	1811.996582	118.4468842	0.007369995	1811.83313	119.166954	-2.29E-05	1811.113037	118.1711273	0.004327774
13:59:48	0.492216676	1	55	0.007434845	1811.996582	118.454216	3.81E-05	1811.825806	119.166954	-2.29E-05	1811.113037	118.1711273	0.004327774
13:59:53	0.57585001	1	55	-0.007232666	1811.981934	118.454216	3.81E-05	1811.825806	119.166954	-2.29E-05	1811.113037	118.1754532	0
13:59:58	0.659749985	1	55	9.92E-05	1811.996582	118.4468842	3.81E-05	1811.83313	119.1816177	-0.014686584	1811.098389	118.1711273	0.004327774
14:00:03	0.743600011	1	55	9.92E-05	1811.989258	118.4468842	0.007369995	1811.83313	119.166954	-2.29E-05	1811.113037	118.1711273	0.004327774
14:00:08	0.827416658	1	55	0.000198364	1811.98938	118.446846	0.007408142	1811.83313	119.152298	0.014633179	1811.127686	118.1711273	0.004327774
14:00:13	0.910899997	1	55	0.007530212	1811.996704	118.446846	0.007408142	1811.83313	119.1669846	-5.34E-05	1811.113037	118.1754532	0
14:00:18	0.994616687	1	55	0.000198364	1811.982056	118.446846	0.007408142	1811.83313	119.1669846	-5.34E-05	1811.113037	118.1754532	0
14:00:23	1.07796669	1	55	0.006481171	1811.996704	118.4552231	-0.000968933	1811.824829	119.1816406	-0.015769958	1811.098389	118.1721802	0.004327774
14:00:28	1.16170001	1	55	0.000198364	1811.98938	118.4541779	7.63E-05	1811.825806	119.1816406	-0.014709473	1811.098389	118.1754532	0
14:00:33	1.245683312	1	55	-0.007137299	1811.982056	118.446846	0.007408142	1811.83313	119.1816406	-0.014709473	1811.098389	118.1700745	0.004327774
14:00:38	1.329583406	1	55	0.007530212	1811.997925	118.4603958	-0.007240295	1811.81958	119.1659622	-5.34E-05	1811.114014	118.1667938	0.008655548
14:00:43	1.413550019	1	55	0.000293732	1811.990601	118.4530792	0.00012207	1811.826904	119.1659622	-7.63E-05	1811.114014	118.1744003	0.00105238
14:00:48	1.497400045	1	55	0.000198364	1811.990479	118.4457855	0.008468628	1811.834229	119.1659317	-5.34E-05	1811.114136	118.1754532	0.00105238
14:00:53	1.581150055	1	55	0.007629395	1811.990601	118.4457474	0.00012207	1811.834229	119.1512756	-0.01473999	1811.128784	118.1754532	0.00105238
14:00:59	1.665483356	1	55	0.000293732	1811.989624	118.4614105	-0.007156372	1811.818604	119.167038	-7.63E-05	1811.113037	118.1711273	0.004327774
14:01:04	1.749466658	1	55	0.00144577	1811.989502	118.4541321	0.00012207	1811.825928	119.1670074	0.000946045	1811.113037	118.1711273	0.004327774
14:01:09	1.833616734	1	55	0.000293732	1811.989502	118.4541321	0.00012207	1811.825928	119.1670074	-7.63E-05	1811.113037	118.1711273	0.004327774
14:01:14	1.917283297	1	55	0.000392914	1811.989624	118.4467621	0.007492065	1811.833252	119.1523514	-0.000106812	1811.127686	118.1711273	0.004327774
14:01:19	2.001333237	1	55	0.000293732	1811.982178	118.4541321	0.007446289	1811.825928	119.1670074	-7.63E-05	1811.113037	118.1711273	0.004327774
14:01:24	2.085383415	1	55	0.000293732	1811.989502	118.4541321	0.00012207	1811.825928	119.1670074	-7.63E-05	1811.113037	118.1667938	0.008655548
14:01:29	2.169699907	1	55	0.000293732	1811.989502	118.4468079	0.007446289	1811.833252	119.1670074	-7.63E-05	1811.113037	118.1711273	0.004327774
14:01:34	2.253616571	1	55	0.007629395	1811.990601	118.4468079	0.008506775	1811.833252	119.1806183	-7.63E-05	1811.099365	118.1754532	0
14:01:39	2.337366581	1	55	-0.005886078	1811.983276	118.4530411	0.001213074	1811.827026	119.1659851	0.000946045	1811.114014	118.1744003	0.00105238
14:01:44	2.421183348	1	55	0.00144577	1811.990723	118.4530411	0.001213074	1811.827026	119.1512985	0.015632629	1811.128784	118.1700745	0.005380154
14:01:49	2.504616737	1	55	0.001544952	1811.990723	118.4529953	0.001213074	1811.827026	119.1660156	0.000915527	1811.114014	118.1700745	0.005380154
14:01:54	2.588350058	1	55	0.00144577	1811.998047	118.4530411	0.001213074	1811.827026	119.1659851	0.000946045	1811.114014	118.1744003	0.00105238
14:01:59	2.672166586	1	55	0.001544952	1811.990723	118.4456711	0.008583069	1811.834351	119.1806717	-0.01374054	1811.099365	118.1700745	0.005380154
14:02:04	2.755733252	1	55	0.001544952	1811.990723	118.4456711	0.008583069	1811.834351	119.1806717	-0.01374054	1811.099365	118.1700745	0.005380154
14:02:09	2.839116573	1	55	0.001544952	1811.990723	118.4529953	0.00125885	1811.827026	119.151329	0.015602112	1811.128662	118.1700745	0.005380154
14:02:14	2.92324996	1	55	0.001544952	1811.990723	118.4603119	0.00125885	1811.819702	119.1660156	0.000915527	1811.114014	118.1700745	0.005380154
14:02:19	3.007083416	1	55	0.001544952	1811.990723	118.4529953	0.00125885	1811.827026	119.1660156	0.000915527	1811.114014	118.1700745	0.005380154
14:02:24	3.09041667	1	55	0.008880615	1811.998047	118.4529953	0.00125885	1811.827026	119.1660156	0.000915527	1811.114014	118.1700745	0.005380154
14:02:29	3.173716545	1	55	0.001544952	1811.990723	118.4529953	0.00125885	1811.827026	119.1806717	-0.01374054	1811.099365	118.1744003	0.00105238
14:02:34	3.257066727	1	55	0.00164032	1811.982422	118.4602737	-0.006019592	1811.819702	119.1670609	-0.013771057	1811.112915	118.1700745	0.005380154
14:02:39	3.34163332	1	55	0.001544952	1811.990845	118.4529953	0.00125885	1811.827026	119.1807022	-0.01374054	1811.099365	118.1700745	0.004327774
14:02:44	3.424816608	1	55	0.000682831	1811.989868	118.4539795	0.000274658	1811.82605	119.1671143	-0.000183105	1811.112915	118.1711273	0.005380154
14:02:49	3.509133339	1	55	-0.006847382	1811.983398	118.4540558	0.000198364	1811.825928	119.1806717	-0.014793396	1811.099365	118.1700745	0.004327774
14:02:54	3.593033314	1	55	-0.00579071	1811.983398	118.4529953	0.00125885	1811.827026	119.1660156	0.000915527	1811.114014	118.1754532	0.005380154
14:02:59	3.67658329	1	55	0.001544952	1811.990723	118.4529953	0.00125885	1811.827026	119.1660156	0.000915527	1811.114014	118.1700745	0.005380154
14:03:03	3.744333267	1	55	-0.00579071	1811.983398	118.4529953	0.00125885	1811.827026	119.1660156	0.000915527	1811.114014	118.1700745	0.005380154

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW30C_WLD	MW30C_WLE	MW30D_DW	MW30D_WLD	MW30D_WLE	MW30E_DW	MW30E_WLD	MW30E_WLE	MW49B_DW	MW49B_WLD
14:03:08	3.829716682	1	55	0.001544952	1811.990723	118.4603119	-0.006057739	1811.819702	119.1660156	0.000915527	1811.114014	118.1700745	0.005380154
14:03:13	3.913599968	1	55	-0.00579071	1811.990723	118.4529953	0.00125885	1811.827026	119.1806717	0.000915527	1811.099365	118.1700745	0.005380154
14:03:18	3.996700048	1	55	-0.00579071	1811.983398	118.4603119	-0.006057739	1811.819702	119.1806717	-0.01374054	1811.099365	118.1700745	0.005380154
14:03:23	4.080183506	1	55	0.001544952	1811.989746	118.4529953	0.00125885	1811.827026	119.1817245	-0.01374054	1811.098267	118.1711273	0.005380154
14:03:28	4.164066792	1	55	-0.00579071	1811.983398	118.4603119	-0.006057739	1811.819702	119.1806717	-0.01374054	1811.099365	118.1744003	0.00105238
14:03:33	4.247149944	1	55	-0.005691528	1811.982422	118.4529572	0.000236511	1811.827026	119.1670914	0.000892639	1811.112915	118.1744003	0.00105238
14:03:38	4.330816746	1	55	-0.005596161	1811.982422	118.4602356	-0.007041931	1811.819824	119.1817474	-0.013793945	1811.098267	118.1700745	0.005380154
14:03:43	4.41386652	1	55	0.00164032	1811.990845	118.4613342	-0.007080078	1811.818726	119.1660385	0.000892639	1811.114014	118.1744003	0.00105238
14:03:48	4.497733116	1	55	-0.005691528	1811.982422	118.4676132	-0.01335907	1811.812378	119.1670914	0.000892639	1811.112915	118.1700745	0.005380154
14:03:54	4.591400146	1	55	-0.006748199	1811.982422	118.4613342	-0.007080078	1811.818726	119.1670914	-0.000160217	1811.112915	118.1711273	0.004327774
14:03:59	4.674733162	1	55	-0.014175415	1811.975098	118.4603119	-0.007118225	1811.819702	119.1670914	-0.0001297	1811.112915	118.1700745	0.004327774
14:04:04	4.758666515	1	55	-0.005691528	1811.983521	118.4686661	-0.01335907	1811.811401	119.1807022	-0.013771057	1811.099365	118.1711273	0.005380154
14:04:09	4.842283249	1	55	-0.014175415	1811.975098	118.4676514	-0.014450073	1811.812378	119.1817245	-0.014793396	1811.098267	118.1700745	0.004327774
14:04:14	4.926733494	1	55	-0.005691528	1811.975098	118.4602737	-0.007080078	1811.819702	119.1670609	-0.013771057	1811.112915	118.1711273	0.004327774
14:05:13	5.915133476	1	55	-0.013118744	1811.983398	118.4676514	-0.013397217	1811.812378	119.1660156	-0.01374054	1811.114014	118.165741	0.009707451
14:06:14	6.921949863	1	55	-0.013118744	1811.976074	118.4603119	-0.006057739	1811.819702	119.1953583	-0.028427124	1811.084717	118.1744003	0.00105238
14:07:14	7.930266857	1	55	-0.020359039	1811.967773	118.4686661	-0.01335907	1811.811401	119.1817474	-0.013771057	1811.098267	118.1754532	0.00105238
14:08:14	8.921732903	1	55	-0.021316528	1811.967896	118.4759598	-0.021705627	1811.804077	119.1964645	-0.029533386	1811.083618	118.1754532	0
14:09:13	9.914999962	1	55	-0.027088165	1811.962158	118.4600372	-0.005783081	1811.819946	119.1515121	0.015419006	1811.12854	118.1787262	-0.003275394
14:10:14	10.92465019	1	55	-0.020454407	1811.967651	118.4822998	-0.028045654	1811.797729	119.1964111	-0.04309082	1811.083618	118.1700745	0.005380154
14:11:13	11.91709995	1	55	-0.028827667	1811.960449	118.4906845	-0.036430359	1811.789307	119.1964111	-0.02947998	1811.083618	118.1754532	0
14:12:14	12.92423344	1	55	-0.034809113	1811.953369	118.4821701	-0.027915955	1811.797852	119.2111511	-0.043167114	1811.068848	118.1700745	0.005380154
14:13:13	13.91396713	1	55	-0.036060333	1811.953125	118.4906464	-0.036392212	1811.789429	119.2110977	-0.044166565	1811.06897	118.1754532	0
14:14:14	14.92198372	1	55	-0.050807953	1811.938354	118.4906845	-0.036430359	1811.789307	119.2110672	-0.044136047	1811.06897	118.1797791	-0.004327297
14:19:14	19.92553329	1	55	-0.059093475	1811.930054	118.5210114	-0.066757202	1811.759033	119.2267838	-0.059883118	1811.053223	118.1808319	-0.005379677
14:24:14	24.92133331	1	55	-0.074523926	1811.914673	118.5292587	-0.075004578	1811.750732	119.2426376	-0.075706482	1811.037354	118.1775589	-0.002104282
14:29:13	29.91423416	1	55	-0.073757172	1811.915405	118.5283279	-0.074073792	1811.751709	119.2268143	-0.074569702	1811.053223	118.1808319	-0.005379677
14:34:14	34.91643524	1	55	-0.081367493	1811.900513	118.52845	-0.074195862	1811.751587	119.2414169	-0.074485779	1811.038574	118.1808319	-0.005379677
14:39:14	39.91889954	1	55	-0.073390961	1811.908447	118.5275574	-0.073303223	1811.752441	119.2255783	-0.07333374	1811.054443	118.1797791	-0.004327297
14:44:14	44.92063141	1	55	-0.081268311	1811.907959	118.5210876	-0.066833496	1811.758911	119.2267609	-0.045166016	1811.053223	118.1721802	0.003275394
14:49:14	49.91433334	1	55	-0.081840515	1811.907349	118.5365753	-0.082321167	1811.743408	119.2426376	-0.075706482	1811.037354	118.1775589	-0.002104282
14:54:14	54.92011642	1	55	-0.081642151	1811.914917	118.536499	-0.082244873	1811.74353	119.242691	-0.061073303	1811.037354	118.1732254	0.002223492
14:59:13	59.90643311	1	55	-0.080883026	1811.899902	118.528244	-0.073989868	1811.751831	119.2426071	-0.059936523	1811.037476	118.176506	-0.001051903
15:29:14	89.9036026	1	55	-0.095272064	1811.893921	118.5337753	-0.079521179	1811.746216	119.2255936	-0.073348999	1811.054443	118.1700745	0.005380154
15:59:14	119.9007492	1	55	-0.098171234	1811.890991	118.5451889	-0.090934753	1811.734863	119.2507782	-0.083847046	1811.029297	118.1582565	0.017193794
16:29:14	149.8831635	1	55	-0.101951599	1811.878906	118.5638504	-0.109596252	1811.716187	119.2487717	-0.095451355	1811.03125	118.1507721	0.024680138
16:59:14	179.8882904	1	55	-0.10723114	1811.880981	118.5617981	-0.107543945	1811.718262	119.2540512	-0.0860672	1811.026001	118.1517105	0.023742676
17:29:13	209.8716278	1	55	-0.116474152	1811.881104	118.5638199	-0.116897583	1811.716187	119.2687683	-0.11756897	1811.01123	118.1538162	0.021637917
17:59:14	239.874649	1	55	-0.125823975	1811.863403	118.5732193	-0.118965149	1811.706787	119.3013	-0.11971283	1810.97876	118.1515884	0.023861408
18:29:14	269.8623657	1	55	-0.135734558	1811.86084	118.5901871	-0.135932922	1811.689819	119.3179321	-0.151000977	1810.962158	118.1493683	0.026080132
18:59:14	299.8529968	1	55	-0.143924713	1811.844238	118.5984879	-0.144233704	1811.681519	119.3347855	-0.166809082	1810.94519	118.1417694	0.0336833
19:59:13	359.8321533	1	55	-0.155239105	1811.833984	118.6099701	-0.155715942	1811.670044	119.3600769	-0.193145752	1810.919922	118.1403656	0.03508997
20:59:14	419.8272095	1	55	-0.161899567	1811.827271	118.6024399	-0.155502319	1811.677612	119.38974	-0.222808838	1810.890259	118.1248093	0.046311378
21:59:13	479.8027954	1	55	-0.145999908	1811.842163	118.6013031	-0.14704895	1811.678711	119.3897934	-0.221801758	1810.890259	118.1021194	0.073335648
22:59:15	539.8018799	1	55	-0.150123596	1811.839111	118.6128006	-0.158546448	1811.667236	119.3929901	-0.22605896	1810.887085	118.0890198	0.086432934
23:59:14	599.779541	1	55	-0.146518707	1811.842651	118.6020889	-0.147834778	1811.677979	119.4118195	-0.244918823	1810.868164	118.0698318	0.10561657

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW30C_WLD	MW30C_WLE	MW30D_DW	MW30D_WLD	MW30D_WLE	MW30E_DW	MW30E_WLD	MW30E_WLE	MW49B_DW	MW49B_WLD
0:59:14	659.7584229	1	55	-0.141670227	1811.847412	118.6038589	-0.149604797	1811.676147	119.390686	-0.2237854	1810.889404	118.0800095	0.095440388
1:59:15	719.7526245	1	55	-0.149723053	1811.839478	118.604805	-0.150550842	1811.675171	119.4139481	-0.247016907	1810.866089	118.0711212	0.104326725
2:59:14	779.7282104	1	55	-0.142860413	1811.846313	118.6056137	-0.14402771	1811.674438	119.4004593	-0.248222351	1810.879517	118.0505371	0.12491703
3:59:14	839.715332	1	55	-0.13501358	1811.854248	118.5907822	-0.136528015	1811.689209	119.3786621	-0.211730957	1810.901367	118.0535812	0.121870518
4:59:13	899.6982422	1	55	-0.125526428	1811.863647	118.5886993	-0.13444519	1811.691284	119.3986588	-0.2317276	1810.881348	118.0415268	0.1339221
5:59:14	959.6853638	1	55	-0.132968903	1811.856201	118.5888062	-0.134552002	1811.691162	119.4134216	-0.246490479	1810.866577	118.0346298	0.140820503
6:59:14	1019.671692	1	55	-0.120552063	1811.868652	118.5910416	-0.136787415	1811.688965	119.4156113	-0.248680115	1810.86438	118.0341721	0.141283035
7:59:15	1079.670288	1	55	-0.136405945	1811.852783	118.592186	-0.137931824	1811.687866	119.4093704	-0.24243927	1810.870605	118.0122986	0.163154125
8:59:15	1139.653198	1	55	-0.12840271	1811.86084	118.5827637	-0.128509521	1811.697266	119.3835983	-0.216667175	1810.896484	117.9948654	0.180585384
9:59:14	1199.625854	1	55	-0.098297119	1811.890869	118.537262	-0.083007813	1811.742798	119.3005295	-0.133598328	1810.979492	117.9871445	0.188305378
10:59:15	1259.625488	1	55	-0.095573425	1811.893677	118.5422592	-0.088005066	1811.737793	119.2913284	-0.124397278	1810.988647	117.9707794	0.204675674
11:59:14	1319.597534	1	55	-0.072479248	1811.917725	118.5265884	-0.07233429	1811.753418	119.2526169	-0.086746216	1811.027466	117.9684372	0.207017899
12:59:15	1379.593384	1	55	-0.079662323	1811.908447	118.5264893	-0.072235107	1811.75354	119.2620316	-0.094047546	1811.017944	117.948082	0.227370262
13:59:15	1439.572021	1	55	-0.058296204	1811.930908	118.5263443	-0.072090149	1811.753662	119.2402191	-0.073287964	1811.039795	117.9597778	0.21567297
13:59:40	1439.991577	1	55	-0.064575195	1811.917358	118.5116806	-0.057426453	1811.768311	119.2391663	-0.072235107	1811.040894	117.955452	0.220000267
13:59:45	1440.074829	2	0	-0.071891785	1811.918335	118.5190125	-0.064758301	1811.760986	119.2234192	-0.072235107	1811.056641	117.955452	0.220000267
13:59:50	1440.158447	2	0	-0.064479828	1811.923706	118.5116425	-0.057388306	1811.768433	119.2402496	-0.072257996	1811.039795	117.9511261	0.224328041
13:59:55	1440.241699	2	0	-0.065631866	1811.924683	118.5200653	-0.065811157	1811.76001	119.2538223	-0.08795166	1811.026245	117.952179	0.223276138
14:00:00	1440.325195	2	0	-0.071891785	1811.917358	118.5116806	-0.057426453	1811.768311	119.2391663	-0.072235107	1811.040894	117.955452	0.220000267
14:00:05	1440.408936	2	0	-0.070835114	1811.925781	118.510582	-0.05632782	1811.769409	119.2527924	-0.071174622	1811.027222	117.9500732	0.225382328
14:00:10	1440.492432	2	0	-0.064479828	1811.923706	118.5189667	-0.064712524	1811.761108	119.2402496	-0.072257996	1811.039795	117.955452	0.220000267
14:00:15	1440.576172	2	0	-0.064479828	1811.924683	118.5116425	-0.057388306	1811.768433	119.2245026	-0.072257996	1811.055542	117.9511261	0.224328041
14:00:20	1440.659424	2	0	-0.056087494	1811.918457	118.510582	-0.05632782	1811.769409	119.2527924	-0.056518555	1811.027222	117.9543991	0.221055031
14:00:25	1440.743042	2	0	-0.063423157	1811.925781	118.5116425	-0.057388306	1811.768433	119.2234497	-0.056518555	1811.056641	117.955452	0.220000267
14:00:30	1440.826538	2	0	-0.063423157	1811.924683	118.5116425	-0.057388306	1811.768433	119.2538528	-0.085861206	1811.026123	117.9511261	0.224328041
14:00:35	1440.910034	2	0	-0.064380646	1811.924805	118.5115967	-0.057342529	1811.768433	119.2392197	-0.072288513	1811.040771	117.955452	0.220000267
14:00:40	1440.994019	2	0	-0.063423157	1811.933105	118.510582	-0.05632782	1811.769409	119.2381363	-0.085861206	1811.04187	117.9500732	0.225382328
14:00:45	1441.078003	2	0	-0.057048798	1811.932129	118.5115967	-0.057342529	1811.768433	119.2538528	-0.08694458	1811.026123	117.955452	0.220000267
14:00:50	1441.161865	2	0	-0.065536499	1811.922607	118.5200272	-0.06577301	1811.76001	119.2413025	-0.073318481	1811.038696	117.9565048	0.218948364
14:00:55	1441.245483	2	0	-0.065536499	1811.923706	118.5200272	-0.06577301	1811.76001	119.2549057	-0.087974548	1811.025146	117.9478455	0.227607727
14:01:00	1441.329102	2	0	-0.070739746	1811.924683	118.5116425	-0.057388306	1811.768433	119.2391891	-0.085861206	1811.040894	117.9500732	0.225382328
14:01:05	1441.41333	2	0	-0.063423157	1811.925903	118.5178757	-0.063621521	1811.762207	119.2528229	-0.085861206	1811.027222	117.9500732	0.225382328
14:01:10	1441.497559	2	0	-0.073806763	1811.915283	118.514801	-0.060546875	1811.765259	119.2559662	-0.089057922	1811.024048	117.9586105	0.216841698
14:01:15	1441.581909	2	0	-0.065536499	1811.924683	118.5189667	-0.064712524	1811.761108	119.2391891	-0.073318481	1811.040894	117.955452	0.220000267
14:01:20	1441.665527	2	0	-0.066589355	1811.916382	118.5137482	-0.057388306	1811.766235	119.2402496	-0.059684753	1811.039795	117.9618835	0.213566303
14:01:25	1441.750122	2	0	-0.065437317	1811.923828	118.5126572	-0.057388306	1811.767334	119.2549362	-0.088005066	1811.025146	117.9565048	0.218948364
14:01:30	1441.833618	2	0	-0.065437317	1811.924683	118.5273972	-0.072006226	1811.752686	119.2538223	-0.088005066	1811.026245	117.952179	0.223276138
14:01:35	1441.917236	2	0	-0.071796417	1811.918457	118.5263062	-0.072052002	1811.753662	119.2527924	-0.086921692	1811.027222	117.955452	0.220000267
14:01:40	1442.001099	2	0	-0.064380646	1811.925903	118.5105438	-0.064674377	1811.769531	119.2234726	-0.057601929	1811.056519	117.955452	0.220000267
14:01:45	1442.084717	2	0	-0.063423157	1811.925781	118.510582	-0.05632782	1811.769409	119.2527924	-0.056518555	1811.027222	117.9543991	0.221055031
14:01:50	1442.168579	2	0	-0.056087494	1811.932129	118.510582	-0.057388306	1811.769409	119.2391891	-0.071205139	1811.040894	117.9543991	0.220000267
14:01:55	1442.252686	2	0	-0.063423157	1811.925781	118.510582	-0.05632782	1811.769409	119.2527924	-0.071205139	1811.027222	117.958725	0.216727257
14:02:00	1442.336426	2	0	-0.070739746	1811.918335	118.5179138	-0.064712524	1811.762085	119.2674179	-0.100517273	1811.012573	117.9543991	0.228660107
14:02:06	1442.42041	2	0	-0.071891785	1811.924683	118.5190125	-0.064758301	1811.760986	119.2538223	-0.101547241	1811.026245	117.9511261	0.224328041
14:02:11	1442.504272	2	0	-0.064479828	1811.924683	118.5189667	-0.064712524	1811.761108	119.2391891	-0.072257996	1811.040894	117.955452	0.220000267
14:02:16	1442.587891	2	0	-0.063423157	1811.925781	118.510582	-0.05632782	1811.769409	119.2381363	-0.071205139	1811.04187	117.9457397	0.229714394

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW30C_WLD	MW30C_WLE	MW30D_DW	MW30D_WLD	MW30D_WLE	MW30E_DW	MW30E_WLD	MW30E_WLE	MW49B_DW	MW49B_WLD
14:02:21	1442.671631	2	0	-0.063323975	1811.924805	118.5105438	-0.056289673	1811.769531	119.2538757	-0.085891724	1811.026123	117.9457397	0.229714394
14:02:26	1442.755615	2	0	-0.063423157	1811.925781	118.510582	-0.05632782	1811.769409	119.2381363	-0.071205139	1811.04187	117.9457397	0.229714394
14:02:31	1442.839111	2	0	-0.056087494	1811.933105	118.510582	-0.05632782	1811.769409	119.2381363	-0.071205139	1811.04187	117.958725	0.216727257
14:02:36	1442.923096	2	0	-0.063518524	1811.925659	118.5106201	-0.056365967	1811.769409	119.2527695	-0.085838318	1811.027222	117.9543991	0.221055031
14:02:41	1443.006592	2	0	-0.064479828	1811.924683	118.5116425	-0.057388306	1811.768433	119.2538528	-0.086921692	1811.026123	117.9511261	0.224328041
14:02:46	1443.09082	2	0	-0.064479828	1811.924683	118.5116425	-0.057388306	1811.768433	119.2391663	-0.072257996	1811.040894	117.955452	0.220000267
14:02:51	1443.174316	2	0	-0.064575195	1811.924683	118.5116806	-0.057426453	1811.768311	119.2391663	-0.072235107	1811.040894	117.955452	0.220000267
14:02:56	1443.257935	2	0	-0.056087494	1811.933105	118.510582	-0.05632782	1811.769409	119.2381363	-0.071205139	1811.04187	117.9543991	0.221055031
14:03:01	1443.341553	2	0	-0.063423157	1811.918457	118.510582	-0.05632782	1811.769409	119.2381363	-0.071205139	1811.04187	117.9500732	0.225382328
14:03:06	1443.424805	2	0	-0.064575195	1811.924683	118.5116806	-0.057426453	1811.768311	119.2538223	-0.086891174	1811.026245	117.9511261	0.224328041
14:03:11	1443.508179	2	0	-0.064575195	1811.932007	118.5116806	-0.057426453	1811.768311	119.2391663	-0.086891174	1811.040894	117.955452	0.220000267
14:03:16	1443.592163	2	0	-0.057239532	1811.932007	118.5116806	-0.057426453	1811.768311	119.2391663	-0.072235107	1811.040894	117.9511261	0.224328041
14:03:21	1443.675415	2	0	-0.056182861	1811.932983	118.5106201	-0.056365967	1811.769409	119.2527695	-0.085838318	1811.027222	117.9500732	0.225382328
14:03:26	1443.759033	2	0	-0.057338715	1811.931885	118.5117188	-0.0574646	1811.768311	119.2391357	-0.07220459	1811.040894	117.9511261	0.224328041
14:03:31	1443.842896	2	0	-0.056182861	1811.932983	118.5106201	-0.056365967	1811.769409	119.2381058	-0.071174622	1811.04187	117.9543991	0.221055031
14:03:36	1443.92688	2	0	-0.05513382	1811.93396	118.5095673	-0.05531311	1811.770508	119.2370377	-0.070129395	1811.042969	117.9490204	0.226434708
14:03:41	1444.010132	2	0	-0.056282043	1811.93396	118.5022736	-0.048019409	1811.77771	119.2516937	-0.0858078	1811.02832	117.9490204	0.226434708
14:03:46	1444.093628	2	0	-0.056282043	1811.93396	118.5106583	-0.056404114	1811.769409	119.2370377	-0.071151733	1811.042969	117.9543991	0.221055031
14:03:51	1444.17749	2	0	-0.056282043	1811.93396	118.5106583	-0.056404114	1811.769409	119.2370377	-0.071151733	1811.042969	117.9500732	0.225382328
14:03:56	1444.261108	2	0	-0.056182861	1811.939331	118.5032883	-0.049034119	1811.776733	119.2391663	-0.071174622	1811.040894	117.9500732	0.225382328
14:04:01	1444.34436	2	0	-0.063518524	1811.926758	118.5106201	-0.056365967	1811.769409	119.2370605	-0.071174622	1811.042969	117.9500732	0.225382328
14:04:06	1444.428101	2	0	-0.055324554	1811.933838	118.5023117	-0.048057556	1811.77771	119.2370071	-0.070075989	1811.042969	117.9533463	0.222106934
14:04:11	1444.511353	2	0	-0.057434082	1811.932861	118.5117569	-0.057502747	1811.768311	119.2380524	-0.072181702	1811.041992	117.9511261	0.224328041
14:04:16	1444.595459	2	0	-0.063812256	1811.925415	118.5107422	-0.056488037	1811.769287	119.2233429	-0.056411743	1811.056641	117.9500732	0.225382328
14:04:21	1444.678955	2	0	-0.063713074	1811.924316	118.5117569	-0.057502747	1811.768311	119.23909	-0.056434631	1811.040894	117.9511261	0.224328041
14:04:25	1444.746338	2	0	-0.056480408	1811.931641	118.511795	-0.057540894	1811.768188	119.23909	-0.071098328	1811.040894	117.9511261	0.224328041
14:04:31	1444.846436	2	0	-0.056480408	1811.932739	118.4960861	-0.04183197	1811.783936	119.2380295	-0.071098328	1811.041992	117.9543991	0.221055031
14:04:36	1444.929932	2	0	-0.056480408	1811.932739	118.511795	-0.057540894	1811.768188	119.2380295	-0.071098328	1811.041992	117.9511261	0.224328041
14:05:35	1445.917358	2	0	-0.058979034	1811.931274	118.5056839	-0.050369263	1811.774292	119.2389908	-0.073112488	1811.041016	117.9478455	0.228660107
14:06:36	1446.922729	2	0	-0.049633026	1811.946899	118.5036087	-0.049354553	1811.776367	119.2379074	-0.085632324	1811.042114	117.9457397	0.229714394
14:07:36	1447.927979	2	0	-0.044334412	1811.944824	118.4983673	-0.044113159	1811.781616	119.2253571	-0.073112488	1811.054688	117.952179	0.223276138
14:08:35	1448.914795	2	0	-0.045288086	1811.946045	118.4920578	-0.03780365	1811.787964	119.2390137	-0.074195862	1811.041016	117.9532318	0.222221375
14:09:35	1449.919922	2	0	-0.029571533	1811.953369	118.4910126	-0.036758423	1811.789063	119.209671	-0.058456421	1811.070313	117.9478455	0.227607727
14:10:36	1450.924683	2	0	-0.028419495	1811.959717	118.4899139	-0.03565979	1811.790161	119.2107544	-0.042762756	1811.069336	117.9511261	0.224328041
14:11:36	1451.929932	2	0	-0.028709412	1811.961426	118.4827042	-0.028450012	1811.797363	119.2085037	-0.042686462	1811.071533	117.9467926	0.228660107
14:12:35	1452.918457	2	0	-0.021961212	1811.965088	118.4766693	-0.022415161	1811.803345	119.2262344	-0.057189941	1811.053833	117.9435196	0.23193121
14:13:36	1453.923584	2	0	-0.026565552	1811.961548	118.4737091	-0.019454956	1811.806274	119.1999512	-0.046653748	1811.080078	117.9520569	0.223396778
14:14:36	1454.927246	2	0	-0.014167786	1811.975098	118.4601517	-0.005897522	1811.819824	119.208252	-0.026634216	1811.071777	117.9457397	0.229714394
14:19:35	1459.918823	2	0	0.007270813	1811.995483	118.4616165	-0.007362366	1811.818359	119.1971512	-0.029159546	1811.082886	117.9478455	0.227607727
14:24:35	1464.922241	2	0	0.011623383	1812.000854	118.4500504	0.005256653	1811.829956	119.1846466	-0.017715454	1811.095337	117.9466782	0.229824543
14:29:36	1469.912842	2	0	0.02130127	1812.011597	118.4405441	0.013710022	1811.839478	119.1742859	-0.008407593	1811.105713	117.9519424	0.223506927
14:34:36	1474.922485	2	0	0.022357941	1812.012573	118.4384308	0.014762878	1811.841553	119.1878891	-0.022010803	1811.092163	117.9455032	0.22889328
14:39:36	1479.912964	2	0	0.023319244	1812.005249	118.4447479	0.009506226	1811.835327	119.2025223	-0.035591125	1811.077515	117.9444504	0.230999947
14:44:36	1484.9198	2	0	0.016845703	1812.013428	118.4448242	0.009429932	1811.835205	119.216095	-0.034477234	1811.063965	117.9444504	0.230999947
14:49:35	1489.909546	2	0	0.023303986	1812.019897	118.4451828	0.00907135	1811.834839	119.2011795	-0.034248352	1811.078857	117.9401321	0.235322952
14:54:36	1494.919678	2	0	0.022132874	1812.011353	118.4530029	0.001251221	1811.827026	119.1715546	-0.01927948	1811.108521	117.9401321	0.235322952

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW30C_WLD	MW30C_WLE	MW30D_DW	MW30D_WLD	MW30D_WLE	MW30E_DW	MW30E_WLD	MW30E_WLE	MW49B_DW	MW49B_WLD
14:59:36	1499.908203	2	0	0.029369354	1812.010254	118.4247894	0.029464722	1811.855225	119.1872406	-0.019256592	1811.092773	117.941185	0.234268665
15:29:36	1529.907349	2	0	0.032951355	1812.036865	118.4362793	0.017974854	1811.84375	119.1857986	-0.018867493	1811.094238	117.9304199	0.245030403
15:59:36	1559.90686	2	0	0.040042877	1812.021973	118.4351349	0.019119263	1811.844849	119.183075	-0.030807495	1811.096924	117.9239883	0.255794525
16:29:36	1589.894287	2	0	0.049419403	1812.038574	118.4123306	0.041923523	1811.867676	119.1542969	0.012634277	1811.125732	117.9196548	0.255794525
16:59:37	1619.891602	2	0	0.050945282	1812.040161	118.4104614	0.043792725	1811.869629	119.1520309	0.014900208	1811.128052	117.9175491	0.257901192
17:29:36	1649.875	2	0	0.065513611	1812.054688	118.4111176	0.043136597	1811.868896	119.1386566	0.028274536	1811.141357	117.9142838	0.26116991
17:59:36	1679.874512	2	0	0.060142517	1812.049316	118.4017639	0.052490234	1811.878296	119.1439056	0.023025513	1811.136108	117.919548	0.255906582
18:29:36	1709.857056	2	0	0.066707611	1812.055908	118.4026947	0.051559448	1811.877319	119.1303558	0.036575317	1811.149658	117.9162674	0.259186745
18:59:36	1739.854492	2	0	0.065948486	1812.055176	118.3889847	0.06526947	1811.890991	119.1608658	0.035438538	1811.119141	117.9086609	0.266787529
19:59:36	1799.838013	2	0	0.085960388	1812.075195	118.3973465	0.055862427	1811.88269	119.1704102	-0.003479004	1811.109619	117.908432	0.265968323
20:59:36	1859.829712	2	0	0.084186554	1812.073364	118.3857498	0.068504333	1811.894287	119.1653137	0.001617432	1811.114746	117.897316	0.278132439
21:59:36	1919.809814	2	0	0.088279724	1812.084839	118.3816528	0.072601318	1811.898438	119.1611786	0.005752563	1811.118896	117.8862152	0.289239883
22:59:36	1979.792847	2	0	0.087421417	1812.076782	118.3752975	0.086273193	1811.904785	119.147644	0.019309998	1811.132324	117.8656235	0.309829712
23:59:36	2039.780396	2	0	0.079235077	1812.068481	118.383606	0.070648193	1811.896484	119.1927643	-0.02583313	1811.08728	117.8536987	0.321755886
0:59:36	2099.764648	2	0	0.091892242	1812.080078	118.3856659	0.068588257	1811.894409	119.1665878	0.001403809	1811.113403	117.8428192	0.332634449
1:59:36	2159.750488	2	0	0.096298218	1812.086426	118.3667679	0.087486267	1811.913208	119.1602859	0.005561829	1811.119751	117.8299561	0.345498085
2:59:37	2219.742188	2	0	0.101577759	1812.09082	118.3614426	0.092811584	1811.918579	119.1560898	0.01084137	1811.123901	117.8246918	0.350763798
3:59:36	2279.715332	2	0	0.097358704	1812.086548	118.3656616	0.088592529	1811.914307	119.1749954	-0.00806427	1811.10498	117.8332214	0.342229366
4:59:36	2339.710449	2	0	0.10578537	1812.094971	118.3719559	0.082298279	1811.908081	119.1813507	-0.014419556	1811.098633	117.8222275	0.35322237
5:59:37	2399.696777	2	0	0.112190247	1812.10144	118.365654	0.088600159	1811.914429	119.1604919	0.006439209	1811.119507	117.8306503	0.344798088
6:59:37	2459.679199	2	0	0.109329224	1812.098511	118.3534622	0.100791931	1811.926514	119.1844711	-0.017539978	1811.095581	117.8141632	0.361289978
7:59:45	2519.666504	2	0	0.137439728	1812.126587	118.3162003	0.13809967	1811.963867	119.0789185	0.087989807	1811.201172	117.8181381	0.356257915
8:59:46	2579.649658	2	0	0.160247803	1812.148438	118.3012009	0.153053284	1811.978882	119.0289307	0.139053345	1811.251099	117.808197	0.367252827
9:59:45	2639.631836	2	0	0.185928345	1812.174072	118.2612152	0.19303894	1812.018799	118.9599838	0.208007813	1811.320068	117.8037567	0.371696949
10:59:46	2699.621094	2	0	0.1977005	1812.18689	118.2422867	0.211967468	1812.03772	118.9181671	0.248764038	1811.361816	117.7939301	0.381525517
11:59:45	2759.597168	2	0	0.214767456	1812.203979	118.2337646	0.220489502	1812.046265	118.9161301	0.250801086	1811.363892	117.783165	0.392287254
12:59:45	2819.588135	2	0	0.207000732	1812.196167	118.2475357	0.206718445	1812.032471	118.9086151	0.25831604	1811.37146	117.7801285	0.395325184

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW49B_WLE	MW49C_DW	MW49C_WLD	MW49C_WLE	MW49D_DW	MW49D_WLD	MW49D_WLE	MW50B_DW	MW50B_WLD	MW50B_WLE
13:59:17	0.651250005	0	0	1813.284546	117.6830215	-0.080123901	1813.786987	117.6616745	-0.071464539	1813.79834	117.9795685	-0.019533634	1813.530396
13:59:22	0.072966665	1	55	1813.284546	117.6830215	0	1813.786987	117.6616745	0	1813.79834	117.9795685	0	1813.530396
13:59:27	0.15671666	1	55	1813.284546	117.6830215	0	1813.786987	117.6616745	0	1813.79834	117.9838943	-0.004323006	1813.526123
13:59:32	0.240850002	1	55	1813.285522	117.6819687	0.001052856	1813.787964	117.6606216	0.001052856	1813.799316	117.9785156	0.00105238	1813.531494
13:59:38	0.324550003	1	55	1813.288818	117.6786957	0.004327774	1813.79126	117.6616745	0	1813.79834	117.9795685	0.004332066	1813.530396
13:59:43	0.408399999	1	55	1813.288818	117.6743622	0.008655548	1813.795654	117.6660004	-0.004327774	1813.793945	117.9795685	0	1813.530396
13:59:48	0.492216676	1	55	1813.288818	117.6786957	0.004327774	1813.79126	117.6703339	-0.008653641	1813.789673	117.9795685	0	1813.530396
13:59:53	0.57585001	1	55	1813.284546	117.6830215	0	1813.786987	117.6703339	-0.008653641	1813.789673	117.9752426	0.004332066	1813.53479
13:59:58	0.659749985	1	55	1813.288818	117.6786957	0.004327774	1813.79126	117.6789856	-0.017309189	1813.781006	117.9752426	0.004332066	1813.53479
14:00:03	0.743600011	1	55	1813.288818	117.6830215	0	1813.786987	117.6962967	-0.034620285	1813.763672	117.9752426	0.004332066	1813.53479
14:00:08	0.827416658	1	55	1813.288818	117.6786957	0.004327774	1813.79126	117.7049561	-0.043275833	1813.755005	117.9795685	0	1813.530396
14:00:13	0.910899997	1	55	1813.284546	117.6786957	0.004327774	1813.79126	117.7092819	-0.047607422	1813.750732	117.9795685	0	1813.530396
14:00:18	0.994616687	1	55	1813.284546	117.6786957	0	1813.79126	117.726593	-0.05626297	1813.733398	117.9795685	0	1813.530396
14:00:23	1.07796669	1	55	1813.287842	117.6840668	0	1813.785889	117.7362976	-0.073568344	1813.723633	117.9806213	-0.001051903	1813.529419
14:00:28	1.16170001	1	55	1813.284546	117.6830215	0	1813.786987	117.7438965	-0.082223892	1813.716064	117.9795685	0	1813.530396
14:00:33	1.245683312	1	55	1813.289917	117.6819687	0	1813.787964	117.7601624	-0.099538803	1813.699829	117.9795685	0.00105238	1813.530396
14:00:38	1.329583406	1	55	1813.293213	117.6830215	0	1813.786987	117.7698669	-0.108192444	1813.690063	117.9828415	0.00105238	1813.527222
14:00:43	1.413550019	1	55	1813.285522	117.6819687	0.001052856	1813.787964	117.7774734	-0.115797043	1813.682495	117.9828415	-0.004323006	1813.527222
14:00:48	1.497400045	1	55	1813.284546	117.6786957	0.00538063	1813.79126	117.787178	-0.124450684	1813.672729	117.9915009	-0.003270626	1813.518555
14:00:53	1.581150055	1	55	1813.284546	117.6873474	0.001052856	1813.782593	117.7915039	-0.128778458	1813.668457	117.9828415	-0.004323006	1813.527222
14:00:59	1.665483356	1	55	1813.288818	117.6873474	-0.004327774	1813.782593	117.8174744	-0.155796051	1813.642456	117.9838943	-0.004323006	1813.526123
14:01:04	1.749466658	1	55	1813.288818	117.6830215	0	1813.786987	117.8261261	-0.164451599	1813.633789	117.9795685	0	1813.530396
14:01:09	1.833616734	1	55	1813.288818	117.6830215	0	1813.786987	117.8304596	-0.168783188	1813.629517	117.9795685	0	1813.530396
14:01:14	1.917283297	1	55	1813.288818	117.6873474	-0.004327774	1813.782593	117.8391113	-0.177438736	1813.62085	117.9838943	-0.004323006	1813.526123
14:01:19	2.001333237	1	55	1813.288818	117.6873474	-0.004327774	1813.782593	117.8477631	-0.186090469	1813.612183	117.9838943	-0.004323006	1813.526123
14:01:24	2.085383415	1	55	1813.293213	117.6916733	-0.008655548	1813.77832	117.8520966	-0.190422058	1813.60791	117.9795685	0	1813.530396
14:01:29	2.169699907	1	55	1813.288818	117.6916733	-0.008655548	1813.77832	117.8694077	-0.207733154	1813.590576	117.9838943	-0.004323006	1813.526123
14:01:34	2.253616571	1	55	1813.284546	117.6916733	-0.008655548	1813.77832	117.8737335	-0.212059021	1813.586182	117.9882278	-0.008655071	1813.521729
14:01:39	2.337366581	1	55	1813.285522	117.6862946	-0.003274918	1813.783691	117.8770142	-0.215335846	1813.583008	117.9785156	0.00105238	1813.531494
14:01:44	2.421183348	1	55	1813.289917	117.6906204	-0.007602692	1813.779297	117.88134	-0.21966362	1813.578613	117.9785156	0.00105238	1813.531494
14:01:49	2.504616737	1	55	1813.289917	117.6906204	-0.007602692	1813.779297	117.8856659	-0.223989487	1813.574341	117.9828415	-0.003270626	1813.527222
14:01:54	2.588350058	1	55	1813.285522	117.6906204	-0.007602692	1813.779297	117.8986511	-0.236972809	1813.561279	117.9785156	0.00105238	1813.531494
14:01:59	2.672166586	1	55	1813.289917	117.6906204	-0.007602692	1813.779297	117.8986511	-0.236972809	1813.561279	117.9828415	-0.003270626	1813.527222
14:02:04	2.755733252	1	55	1813.289917	117.6906204	-0.007602692	1813.779297	117.902977	-0.241300583	1813.557007	117.9785156	0.00105238	1813.531494
14:02:09	2.839116573	1	55	1813.289917	117.6906204	-0.007602692	1813.779297	117.9159622	-0.254283905	1813.543945	117.9828415	-0.003270626	1813.527222
14:02:14	2.92324996	1	55	1813.289917	117.6862946	-0.003274918	1813.783691	117.9202881	-0.258611679	1813.539673	117.9785156	0.00105238	1813.531494
14:02:19	3.007083416	1	55	1813.289917	117.6819687	0.001052856	1813.787964	117.924614	-0.262939453	1813.5354	117.9828415	-0.003270626	1813.527222
14:02:24	3.09041667	1	55	1813.289917	117.6906204	-0.007602692	1813.779297	117.9289398	-0.267267227	1813.531006	117.9828415	-0.003270626	1813.527222
14:02:29	3.173716545	1	55	1813.285522	117.6949463	-0.011930466	1813.775024	117.9332733	-0.271598816	1813.526733	117.9828415	-0.003270626	1813.527222
14:02:34	3.257066727	1	55	1813.289917	117.6949463	-0.011930466	1813.775024	117.9375992	-0.275920868	1813.522339	117.9828415	-0.003270626	1813.527222
14:02:39	3.34163332	1	55	1813.289917	117.6906204	-0.008655548	1813.779297	117.9462509	-0.285629272	1813.513672	117.9828415	-0.003270626	1813.527222
14:02:44	3.424816608	1	55	1813.288818	117.6916733	-0.007602692	1813.77832	117.9516373	-0.288908005	1813.508301	117.9838943	-0.004323006	1813.526123
14:02:49	3.509133339	1	55	1813.289917	117.6949463	-0.012983322	1813.775024	117.9505844	-0.289960861	1813.509399	117.9828415	-0.003270626	1813.527222
14:02:54	3.593033314	1	55	1813.284546	117.6959991	-0.007602692	1813.773926	117.9602966	-0.293231964	1813.499634	117.9828415	-0.003270626	1813.527222
14:02:59	3.67658329	1	55	1813.289917	117.6949463	-0.011930466	1813.775024	117.9635696	-0.301891327	1813.496338	117.9828415	-0.003270626	1813.527222
14:03:03	3.744333267	1	55	1813.289917	117.6906204	-0.007602692	1813.779297	117.9678955	-0.306219101	1813.492065	117.9785156	-0.003270626	1813.531494

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW49B_WLE	MW49C_DW	MW49C_WLD	MW49C_WLE	MW49D_DW	MW49D_WLD	MW49D_WLE	MW50B_DW	MW50B_WLD	MW50B_WLE
14:03:08	3.829716682	1	55	1813.289917	117.6949463	-0.011930466	1813.775024	117.9722214	-0.310546875	1813.487793	117.9828415	-0.003270626	1813.527222
14:03:13	3.913599968	1	55	1813.289917	117.6949463	-0.011930466	1813.775024	117.9765472	-0.314868927	1813.483398	117.9828415	-0.003270626	1813.527222
14:03:18	3.996700048	1	55	1813.289917	117.6992798	-0.01625824	1813.770752	117.9722214	-0.310546875	1813.487793	117.9785156	-0.003270626	1813.531494
14:03:23	4.080183506	1	55	1813.288818	117.7003326	-0.01625824	1813.769653	117.9776001	-0.314868927	1813.482422	117.9785156	0.00105238	1813.531494
14:03:28	4.164066792	1	55	1813.285522	117.6949463	-0.011930466	1813.775024	117.9808807	-0.319202423	1813.479126	117.9785156	0.00105238	1813.531494
14:03:33	4.247149944	1	55	1813.285522	117.6949463	-0.011930466	1813.775024	117.985199	-0.323524475	1813.474731	117.9838943	-0.004323006	1813.526123
14:03:38	4.330816746	1	55	1813.289917	117.6992798	-0.01625824	1813.770752	117.9895325	-0.327856064	1813.470459	117.9838943	-0.004323006	1813.526123
14:03:43	4.41386652	1	55	1813.285522	117.6949463	-0.011930466	1813.775024	117.9938583	-0.332183838	1813.466064	117.9568787	0.022690296	1813.553101
14:03:48	4.497733116	1	55	1813.289917	117.6992798	-0.01625824	1813.770752	117.9938583	-0.332183838	1813.466064	117.9828415	-0.004323006	1813.527222
14:03:54	4.591400146	1	55	1813.288818	117.7003326	-0.017309189	1813.769653	118.0035706	-0.341892242	1813.456421	117.9795685	0	1813.530396
14:03:59	4.674733162	1	55	1813.289917	117.6949463	-0.012983322	1813.775024	118.0068436	-0.346220016	1813.453125	117.9838943	-0.004323006	1813.526123
14:04:04	4.758666515	1	55	1813.288818	117.7003326	-0.01625824	1813.769653	118.0078964	-0.34516716	1813.452026	117.987175	-0.007602692	1813.522827
14:04:09	4.842283249	1	55	1813.289917	117.6949463	-0.012983322	1813.775024	118.0111694	-0.350547791	1813.44873	117.9838943	-0.004323006	1813.526123
14:04:14	4.926733494	1	55	1813.288818	117.7046585	-0.012983322	1813.765259	118.0165558	-0.350547791	1813.443359	117.9828415	-0.003270626	1813.527222
14:05:13	5.915133476	1	55	1813.294189	117.7079315	-0.024913788	1813.762085	118.0414658	-0.379787445	1813.418457	117.9828415	-0.003270626	1813.527222
14:06:14	6.921949863	1	55	1813.285522	117.7122574	-0.029239655	1813.75769	118.0717621	-0.410085678	1813.388184	117.9785156	0.00105238	1813.531494
14:07:14	7.930266857	1	55	1813.284546	117.7133102	-0.029239655	1813.756714	118.0944519	-0.431722641	1813.365479	117.9795685	0.00105238	1813.530396
14:08:14	8.921732903	1	55	1813.284546	117.7219696	-0.038948059	1813.748047	118.111763	-0.450086594	1813.348145	117.9752426	0.004332066	1813.53479
14:09:13	9.914999962	1	55	1813.28125	117.7252426	-0.042222977	1813.744751	118.1193695	-0.457689285	1813.340576	117.9741898	0.005384445	1813.535767
14:10:14	10.92465019	1	55	1813.289917	117.7209167	-0.037895203	1813.749023	118.1236954	-0.462017059	1813.336304	117.9741898	0.00105238	1813.535767
14:11:13	11.91709995	1	55	1813.284546	117.7262955	-0.043275833	1813.743652	118.1334	-0.471723557	1813.326538	117.9741898	0.005384445	1813.535767
14:12:14	12.92423344	1	55	1813.289917	117.7209167	-0.037895203	1813.749023	118.1453323	-0.483654022	1813.314575	117.9741898	0	1813.535767
14:13:13	13.91396713	1	55	1813.284546	117.7262955	-0.043275833	1813.743652	118.1550369	-0.493362427	1813.304932	117.9709091	0.00865984	1813.539063
14:14:14	14.92198372	1	55	1813.280151	117.7349548	-0.051931381	1813.734985	118.1593704	-0.497694016	1813.300537	117.9795685	0	1813.530396
14:19:14	19.92553329	1	55	1813.279175	117.7403336	-0.057313919	1813.729614	118.1863861	-0.524711609	1813.27356	117.9849472	-0.005374908	1813.525024
14:24:14	24.92133331	1	55	1813.282349	117.7457123	-0.062690735	1813.724243	118.2134094	-0.551729202	1813.246582	117.9903336	-0.010759354	1813.519653
14:29:13	29.91423416	1	55	1813.279175	117.7489929	-0.065969467	1813.720947	118.2166824	-0.55500412	1813.243286	117.9892807	-0.009706974	1813.520752
14:34:14	34.91643524	1	55	1813.279175	117.7489929	-0.065969467	1813.720947	118.22966	-0.567987442	1813.230347	117.9806213	-0.001051903	1813.529419
14:39:14	39.91889954	1	55	1813.280151	117.7479401	-0.064918518	1813.722046	118.2286072	-0.566934586	1813.231323	117.9795685	0	1813.530396
14:44:14	44.92063141	1	55	1813.287842	117.7489929	-0.065969467	1813.720947	118.2339935	-0.572315216	1813.225952	117.9806213	0.003280163	1813.529419
14:49:14	49.91433334	1	55	1813.282349	117.7457123	-0.062690735	1813.724243	118.2393723	-0.577693939	1813.220581	117.9773407	0.003280163	1813.532715
14:54:14	54.92011642	1	55	1813.286743	117.7500458	-0.067022324	1813.719971	118.2436981	-0.582021713	1813.216309	117.9773407	0.002227783	1813.532715
14:59:13	59.90643311	1	55	1813.283447	117.7489929	-0.065969467	1813.720947	118.2426453	-0.580970764	1813.217285	117.9903336	-0.010759354	1813.519653
15:29:14	89.9036026	1	55	1813.289917	117.7512054	-0.068189621	1813.71875	118.2578583	-0.596179962	1813.202148	117.9752426	0.004332066	1813.53479
15:59:14	119.9007492	1	55	1813.301758	117.7610321	-0.078012466	1813.708984	118.2590179	-0.597345352	1813.200928	117.9796829	0.004210949	1813.530273
16:29:14	149.8831635	1	55	1813.309204	117.7535553	-0.070531845	1813.716431	118.2601929	-0.598518372	1813.199707	117.9765244	0.003046513	1813.533447
16:59:14	179.8882904	1	55	1813.308228	117.7544861	-0.071468353	1813.715454	118.2568054	-0.595129013	1813.203125	117.9817886	-0.002218723	1813.528198
17:29:13	209.8716278	1	55	1813.306152	117.7609177	-0.077899933	1813.709106	118.2675629	-0.605888367	1813.192383	117.9838943	0	1813.526123
17:59:14	239.874649	1	55	1813.30835	117.7630234	-0.080005646	1813.706909	118.2653351	-0.603660583	1813.19458	117.9773407	0.006555557	1813.532715
18:29:14	269.8623657	1	55	1813.310547	117.7608032	-0.077785492	1813.709229	118.2717743	-0.6101017	1813.188232	117.979454	0.000119209	1813.530518
18:59:14	299.8529968	1	55	1813.318237	117.7618561	-0.078838348	1813.70813	118.2684937	-0.60682106	1813.191406	117.9805069	-0.001985073	1813.529541
19:59:13	359.8321533	1	55	1813.31958	117.7561264	-0.073108673	1813.713867	118.2584381	-0.596763611	1813.201538	117.9661255	0.013447285	1813.543945
20:59:14	419.8272095	1	55	1813.335205	117.7319183	-0.044567108	1813.738037	118.2385559	-0.576883316	1813.221436	117.976532	-0.001291752	1813.533447
21:59:13	479.8027954	1	55	1813.357788	117.7178802	-0.034858704	1813.752075	118.2288513	-0.567173004	1813.231079	117.9278717	0.051697731	1813.582153
22:59:15	539.8018799	1	55	1813.370972	117.7134399	-0.030416489	1813.756592	118.2200775	-0.558403015	1813.239868	117.9320831	0.047484875	1813.577881
23:59:14	599.779541	1	55	1813.390137	117.7029114	-0.019887924	1813.76709	118.2052155	-0.543542862	1813.254761	117.9172287	0.062340736	1813.592773

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW49B_WLE	MW49C_DW	MW49C_WLD	MW49C_WLE	MW49D_DW	MW49D_WLD	MW49D_WLE	MW50B_DW	MW50B_WLD	MW50B_WLE
0:59:14	659.7584229	1	55	1813.380005	117.6914368	-0.008420944	1813.778564	118.1937561	-0.532081604	1813.266235	117.9197998	0.05976963	1813.59021
1:59:15	719.7526245	1	55	1813.388794	117.6825562	0.000459671	1813.787354	118.1848755	-0.523199081	1813.275146	117.9055328	0.074038029	1813.604492
2:59:14	779.7282104	1	55	1813.409424	117.683609	-0.000591278	1813.786377	118.1859283	-0.524251938	1813.274048	117.9109192	0.06865406	1813.599121
3:59:14	839.715332	1	55	1813.406372	117.6779938	0.005025864	1813.791992	118.1803131	-0.518634796	1813.279663	117.8879929	0.091581821	1813.62207
4:59:13	899.6982422	1	55	1813.418457	117.6746063	0.00841713	1813.79541	118.1682587	-0.50658226	1813.291748	117.875946	0.094973564	1813.634033
5:59:14	959.6853638	1	55	1813.425293	117.6677017	0.01531601	1813.802246	118.1656952	-0.504014969	1813.294312	117.8906784	0.088889599	1813.619385
6:59:14	1019.671692	1	55	1813.425781	117.6672363	0.015779495	1813.802734	118.178215	-0.516536713	1813.281738	117.8902206	0.115317345	1813.619751
7:59:15	1079.670288	1	55	1813.447632	117.6799927	0.00302887	1813.790039	118.1823044	-0.520629883	1813.27771	117.8769989	0.102572441	1813.633057
8:59:15	1139.653198	1	55	1813.465088	117.68853	-0.005508423	1813.781494	118.1865158	-0.524841309	1813.273438	117.8336029	0.145964622	1813.676392
9:59:14	1199.625854	1	55	1813.472778	117.6937943	-0.010772705	1813.776123	118.2004395	-0.538759232	1813.259521	117.8172302	0.162340164	1813.692749
10:59:15	1259.625488	1	55	1813.489136	117.694725	-0.011707306	1813.775269	118.1970444	-0.535367966	1813.262939	117.8268204	0.152749062	1813.683228
11:59:14	1319.597534	1	55	1813.491577	117.705368	-0.022352219	1813.764648	118.199028	-0.537353516	1813.260986	117.8061142	0.172401428	1813.703857
12:59:15	1379.593384	1	55	1813.511841	117.6936798	-0.010656357	1813.776245	118.1830063	-0.521327972	1813.276978	117.8138428	0.16573143	1813.696167
13:59:15	1439.572021	1	55	1813.500244	117.6794052	0.003616333	1813.790527	118.1860504	-0.524374008	1813.273926	117.8082199	0.172401428	1813.701782
13:59:40	1439.991577	1	55	1813.504517	117.6837311	-0.000715256	1813.786255	118.1817169	-0.520042419	1813.278198	117.7941895	0.185379982	1813.71582
13:59:45	1440.074829	2	0	1813.504517	117.6880569	-0.005037308	1813.78186	118.1817169	-0.520042419	1813.278198	117.7898636	0.189707756	1813.720093
13:59:50	1440.158447	2	0	1813.508789	117.6880569	-0.005037308	1813.78186	118.1817169	-0.520042419	1813.278198	117.7865829	0.194039345	1813.723389
13:59:55	1440.241699	2	0	1813.507813	117.6847839	-0.001768112	1813.785156	118.1827698	-0.521095276	1813.277222	117.7898636	0.1886549	1813.720093
14:00:00	1440.325195	2	0	1813.504517	117.6880569	-0.005037308	1813.78186	118.1817169	-0.520042419	1813.278198	117.7855301	0.194039345	1813.724487
14:00:05	1440.408936	2	0	1813.509888	117.6826782	0.000339508	1813.787354	118.1806641	-0.518987656	1813.279297	117.7888107	0.190761566	1813.721191
14:00:10	1440.492432	2	0	1813.504517	117.6880569	-0.005037308	1813.78186	118.1817169	-0.520042419	1813.278198	117.7909164	0.1886549	1813.719116
14:00:15	1440.576172	2	0	1813.508789	117.6837311	-0.000715256	1813.786255	118.1773987	-0.515720367	1813.282593	117.7855301	0.194039345	1813.724487
14:00:20	1440.659424	2	0	1813.505615	117.6826782	0.000339508	1813.787354	118.1720123	-0.510334015	1813.287964	117.7844772	0.195094109	1813.725586
14:00:25	1440.743042	2	0	1813.504517	117.6837311	-0.000715256	1813.786255	118.1687317	-0.507059097	1813.29126	117.7855301	0.194039345	1813.724487
14:00:30	1440.826538	2	0	1813.508789	117.6837311	-0.000715256	1813.786255	118.16008	-0.498405457	1813.299927	117.7898636	0.189707756	1813.720093
14:00:35	1440.910034	2	0	1813.504517	117.6880569	-0.005037308	1813.78186	118.16008	-0.498405457	1813.299927	117.7855301	0.194039345	1813.724487
14:00:40	1440.994019	2	0	1813.509888	117.6826782	0.000339508	1813.787354	118.1547012	-0.493026733	1813.305298	117.8061142	0.173456192	1813.703857
14:00:45	1441.078003	2	0	1813.504517	117.6837311	-0.000715256	1813.786255	118.1427689	-0.48109436	1813.317139	117.7812119	0.168069839	1813.72876
14:00:50	1441.161865	2	0	1813.503418	117.6847839	-0.001768112	1813.785156	118.13517	-0.473491669	1813.324829	117.7865829	0.192987442	1813.723389
14:00:55	1441.245483	2	0	1813.512085	117.6847839	-0.001768112	1813.785156	118.1308441	-0.469163895	1813.329102	117.8125534	0.167016983	1813.69751
14:01:00	1441.329102	2	0	1813.508789	117.6783447	0.004671097	1813.791626	118.1157455	-0.454069138	1813.344238	117.7844772	0.195094109	1813.725586
14:01:05	1441.41333	2	0	1813.509888	117.6783447	0.004671097	1813.791626	118.1114197	-0.449747086	1813.348511	117.7844772	0.195094109	1813.725586
14:01:10	1441.497559	2	0	1813.501343	117.6868896	-0.003873825	1813.783081	118.1069794	-0.445304871	1813.353027	117.7876358	0.190880775	1813.722412
14:01:15	1441.581909	2	0	1813.504517	117.6837311	-0.000715256	1813.786255	118.0951691	-0.433490753	1813.364746	117.7855301	0.192987442	1813.724487
14:01:20	1441.665527	2	0	1813.498047	117.6815109	0.00151062	1813.788452	118.0886154	-0.426937103	1813.371338	117.7919693	0.187601089	1813.718018
14:01:25	1441.750122	2	0	1813.503418	117.6847839	-0.001768112	1813.785156	118.0789032	-0.417228699	1813.381104	117.8168793	0.162693977	1813.693115
14:01:30	1441.833618	2	0	1813.507813	117.6804504	0.002565384	1813.789551	118.0702515	-0.408573151	1813.389648	117.8115005	0.167016983	1813.698486
14:01:35	1441.917236	2	0	1813.504517	117.6794052	0.003616333	1813.790527	118.0691986	-0.407520294	1813.390747	117.7844772	0.194039345	1813.725586
14:01:40	1442.001099	2	0	1813.504517	117.6794052	-0.000715256	1813.790527	118.0475616	-0.398866653	1813.412354	117.8104477	0.168069839	1813.699585
14:01:45	1442.084717	2	0	1813.505615	117.6783447	0.004671097	1813.791626	118.0421753	-0.380500793	1813.417725	117.7888107	0.190761566	1813.721191
14:01:50	1442.168579	2	0	1813.505615	117.6783447	0.003616333	1813.791626	118.0335236	-0.372900009	1813.426392	117.7898636	0.190761566	1813.720093
14:01:55	1442.252686	2	0	1813.501221	117.6826782	0.000339508	1813.787354	118.0248718	-0.363191605	1813.435059	117.7844772	0.195094109	1813.725586
14:02:00	1442.336426	2	0	1813.505615	117.6783447	0.003616333	1813.791626	118.0162125	-0.359916687	1813.443726	117.7888107	0.173456192	1813.721191
14:02:06	1442.42041	2	0	1813.508789	117.6794052	0.003616333	1813.790527	118.0129395	-0.351263046	1813.447021	117.7812119	0.19836235	1813.72876
14:02:11	1442.504272	2	0	1813.504517	117.6794052	0.003616333	1813.790527	118.0042877	-0.342607498	1813.455688	117.7855301	0.194039345	1813.724487
14:02:16	1442.587891	2	0	1813.51416	117.6826782	0.000339508	1813.787354	117.9989014	-0.33722496	1813.46106	117.7801514	0.199417114	1813.729858

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW49B_WLE	MW49C_DW	MW49C_WLD	MW49C_WLE	MW49D_DW	MW49D_WLD	MW49D_WLE	MW50B_DW	MW50B_WLD	MW50B_WLE
14:02:21	1442.671631	2	0	1813.51416	117.669693	0.013326645	1813.800293	117.9815903	-0.319915771	1813.478394	117.8071671	0.172401428	1813.702881
14:02:26	1442.755615	2	0	1813.51416	117.6740265	0.008995056	1813.795898	117.9815903	-0.319915771	1813.478394	117.7801514	0.199417114	1813.729858
14:02:31	1442.839111	2	0	1813.501221	117.6783447	0.004671097	1813.791626	117.9729309	-0.311254501	1813.487061	117.7888107	0.190761566	1813.721191
14:02:36	1442.923096	2	0	1813.505615	117.6783447	0.004671097	1813.791626	117.9686127	-0.306932449	1813.491333	117.7844772	0.195094109	1813.725586
14:02:41	1443.006592	2	0	1813.508789	117.6837311	-0.000715256	1813.786255	117.9610062	-0.299331665	1813.498901	117.7855301	0.194039345	1813.724487
14:02:46	1443.09082	2	0	1813.504517	117.6750793	0.007940292	1813.794922	117.9566803	-0.295000076	1813.503296	117.8115005	0.168069839	1813.698486
14:02:51	1443.174316	2	0	1813.504517	117.6750793	0.007940292	1813.794922	117.9480209	-0.286344528	1813.511963	117.7844772	0.195094109	1813.725586
14:02:56	1443.257935	2	0	1813.505615	117.6740265	0.008995056	1813.795898	117.9383087	-0.276634216	1813.521606	117.7801514	0.199417114	1813.729858
14:03:01	1443.341553	2	0	1813.509888	117.669693	0.013326645	1813.800293	117.929657	-0.267978668	1813.530273	117.7844772	0.195094109	1813.725586
14:03:06	1443.424805	2	0	1813.508789	117.6707458	0.012271881	1813.799194	117.9307098	-0.269033432	1813.529297	117.7898636	0.189707756	1813.720093
14:03:11	1443.508179	2	0	1813.504517	117.6707458	0.012271881	1813.799194	117.9220581	-0.260377884	1813.537842	117.8071671	0.172401428	1813.702881
14:03:16	1443.592163	2	0	1813.508789	117.6707458	0.012271881	1813.799194	117.9177246	-0.256052017	1813.542236	117.8071671	0.172401428	1813.702881
14:03:21	1443.675415	2	0	1813.509888	117.6653671	0.017650604	1813.804565	117.9123459	-0.250669479	1813.547607	117.8061142	0.173456192	1813.703857
14:03:26	1443.759033	2	0	1813.508789	117.6707458	0.012271881	1813.799194	117.9090729	-0.247396469	1813.550903	117.7801514	0.172401428	1813.729858
14:03:31	1443.842896	2	0	1813.505615	117.669693	0.013326645	1813.800293	117.9036865	-0.242013931	1813.556274	117.7801514	0.199417114	1813.729858
14:03:36	1443.92688	2	0	1813.510986	117.6686401	0.014379501	1813.80127	117.8939819	-0.232307434	1813.565918	117.8050613	0.174508095	1813.704956
14:03:41	1444.010132	2	0	1813.510986	117.6643219	0.018701553	1813.805664	117.8896561	-0.22797966	1813.570313	117.7790985	0.200469017	1813.730957
14:03:46	1444.093628	2	0	1813.505615	117.6653671	0.017650604	1813.804565	117.8907089	-0.229030609	1813.569214	117.7844772	0.199417114	1813.725586
14:03:51	1444.17749	2	0	1813.509888	117.6653671	0.017650604	1813.804565	117.8820496	-0.220371246	1813.577881	117.7790985	0.199417114	1813.730957
14:03:56	1444.261108	2	0	1813.509888	117.6653671	0.017650604	1813.804565	117.8820496	-0.220371246	1813.577881	117.7865829	0.195094109	1813.723389
14:04:01	1444.34436	2	0	1813.509888	117.6610413	0.021982193	1813.80896	117.8733902	-0.211715698	1813.586548	117.7834244	0.195094109	1813.726563
14:04:06	1444.428101	2	0	1813.506592	117.6686401	0.014379501	1813.80127	117.872345	-0.210664749	1813.587646	117.7834244	0.196146011	1813.726563
14:04:11	1444.511353	2	0	1813.508789	117.6664276	0.01659584	1813.803589	117.8701248	-0.20844841	1813.589844	117.7844772	0.195094109	1813.725586
14:04:16	1444.595459	2	0	1813.509888	117.6610413	0.021982193	1813.80896	117.8647385	-0.203062057	1813.595215	117.7801514	0.199417114	1813.729858
14:04:21	1444.678955	2	0	1813.508789	117.6620941	0.020927429	1813.807861	117.8657913	-0.204114914	1813.594116	117.7855301	0.194039345	1813.724487
14:04:25	1444.746338	2	0	1813.508789	117.6664276	0.01659584	1813.803589	117.8614655	-0.199792862	1813.598511	117.7855301	0.194039345	1813.724487
14:04:31	1444.846436	2	0	1813.505615	117.6653671	0.017650604	1813.804565	117.8560867	-0.194410324	1813.603882	117.7844772	0.195094109	1813.725586
14:04:36	1444.929932	2	0	1813.508789	117.6664276	0.01659584	1813.803589	117.8528137	-0.191133499	1813.607178	117.8104477	0.168069839	1813.699585
14:05:35	1445.917358	2	0	1813.512085	117.6588135	0.025255203	1813.811157	117.8149109	-0.15218544	1813.64502	117.8071671	0.171349525	1813.702881
14:06:36	1446.922729	2	0	1813.51416	117.6523819	0.030637741	1813.817627	117.7868423	-0.125164032	1813.673096	117.7888107	0.190761566	1813.721191
14:07:36	1447.927979	2	0	1813.507813	117.6501617	0.032857895	1813.819824	117.7629776	-0.101301193	1813.697021	117.7952423	0.1886549	1813.714722
14:08:35	1448.914795	2	0	1813.506714	117.6512146	0.031803131	1813.818726	117.7510529	-0.08937645	1813.708862	117.8039017	0.174617767	1813.706055
14:09:35	1449.919922	2	0	1813.512085	117.6501617	0.032857895	1813.819824	117.7326813	-0.071008682	1813.727295	117.7941895	0.184328079	1813.71582
14:10:36	1450.924683	2	0	1813.508789	117.6447906	0.038232803	1813.825195	117.714325	-0.052646637	1813.745605	117.7909164	0.181052208	1813.719116
14:11:36	1451.929932	2	0	1813.513184	117.6404572	0.042564392	1813.829468	117.7056656	-0.043991089	1813.754272	117.7920837	0.185379982	1813.717896
14:12:35	1452.918457	2	0	1813.516479	117.64151	0.041513443	1813.828491	117.6937408	-0.032060623	1813.766235	117.7962952	0.185379982	1813.713745
14:13:36	1453.923584	2	0	1813.507935	117.6413956	0.041625977	1813.828613	117.6936188	-0.031938553	1813.766357	117.8081131	0.171461105	1813.701904
14:14:36	1454.927246	2	0	1813.51416	117.6307449	0.052274704	1813.839233	117.6829758	-0.021297455	1813.776978	117.7931366	0.186433792	1813.716919
14:19:35	1459.918823	2	0	1813.512085	117.6285248	0.054494858	1813.841431	117.6547852	0.006887436	1813.805176	117.7919693	0.1886549	1813.718018
14:24:35	1464.922241	2	0	1813.513306	117.6316833	0.052389145	1813.838257	117.6406403	0.022092819	1813.819336	117.7984009	0.181168556	1813.71167
14:29:36	1469.912842	2	0	1813.508057	117.6239624	0.059055328	1813.845947	117.6285858	0.033088684	1813.831421	117.7982864	0.180231094	1813.71167
14:34:36	1474.922485	2	0	1813.514404	117.6218567	0.064435959	1813.848145	117.6221619	0.038467407	1813.837769	117.7885742	0.189940453	1813.721436
14:39:36	1479.912964	2	0	1813.515503	117.6121445	0.070875168	1813.857788	117.6124496	0.049228668	1813.847534	117.7875214	0.192047119	1813.722534
14:44:36	1484.9198	2	0	1813.515503	117.6121445	0.070875168	1813.857788	117.6081161	0.053560257	1813.851807	117.7961807	0.183392525	1813.713867
14:49:35	1489.909546	2	0	1813.519775	117.6121445	0.075199127	1813.857788	117.5994568	0.062215805	1813.860474	117.8005066	0.179064751	1813.709473
14:54:36	1494.919678	2	0	1813.519775	117.6121445	0.070875168	1813.857788	117.5908051	0.070871353	1813.869141	117.8005066	0.179064751	1813.709473

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW49B_WLE	MW49C_DW	MW49C_WLD	MW49C_WLE	MW49D_DW	MW49D_WLD	MW49D_WLE	MW50B_DW	MW50B_WLD	MW50B_WLE
14:59:36	1499.908203	2	0	1813.518799	117.6088715	0.074144363	1813.861084	117.5961914	0.065488815	1813.86377	117.7972336	0.182337761	1813.712769
15:29:36	1529.907349	2	0	1813.529541	117.6024399	0.080581665	1813.867554	117.5854263	0.076250076	1813.874512	117.769165	0.210410118	1813.740845
15:59:36	1559.90686	2	0	1813.536011	117.5960083	0.08700943	1813.874023	117.5746689	0.082687378	1813.885254	117.7670593	0.212513924	1813.74292
16:29:36	1589.894287	2	0	1813.540283	117.5960083	0.08700943	1813.874023	117.5789871	0.082687378	1813.880981	117.7713776	0.203859329	1813.738647
16:59:37	1619.891602	2	0	1813.542358	117.5939026	0.08911705	1813.876099	117.5725555	0.08911705	1813.887451	117.7692719	0.210297585	1813.740723
17:29:36	1649.875	2	0	1813.545654	117.5949554	0.088062286	1813.875	117.5779343	0.083740234	1813.88208	117.7789841	0.200588226	1813.731079
17:59:36	1679.874512	2	0	1813.540405	117.5958939	0.087125778	1813.874023	117.5831985	0.078475952	1813.876709	117.7582779	0.221290588	1813.751709
18:29:36	1709.857056	2	0	1813.543701	117.5882874	0.094730377	1813.881714	117.5755997	0.086078644	1813.884399	117.7463531	0.233221054	1813.763672
18:59:36	1739.854492	2	0	1813.55127	117.5806885	0.102331161	1813.889282	117.5636749	0.098003387	1813.89624	117.7560577	0.223511696	1813.753906
19:59:36	1799.838013	2	0	1813.551514	117.5544891	0.127481461	1813.915527	117.5418015	0.118822098	1813.918213	117.7612076	0.218360901	1813.748779
20:59:36	1859.829712	2	0	1813.562622	117.5390472	0.143972397	1813.930908	117.5306854	0.130990982	1813.929321	117.740387	0.23918438	1813.769653
21:59:36	1919.809814	2	0	1813.57373	117.5322647	0.150753021	1813.937744	117.5239105	0.137769699	1813.936035	117.7379379	0.241636276	1813.772095
22:59:36	1979.792847	2	0	1813.59436	117.5246582	0.158359528	1813.945313	117.5076447	0.154027939	1813.952271	117.704361	0.270876884	1813.805664
23:59:36	2039.780396	2	0	1813.606201	117.5170593	0.165962219	1813.952881	117.4957123	0.165964127	1813.964233	117.6967621	0.282812119	1813.813232
0:59:36	2099.764648	2	0	1813.617188	117.5018539	0.181163788	1813.96814	117.4891663	0.172513962	1813.970825	117.6912613	0.289362907	1813.818726
1:59:36	2159.750488	2	0	1813.630005	117.4933167	0.189704895	1813.976685	117.4762955	0.185379028	1813.983643	117.6686859	0.310881615	1813.841309
2:59:37	2219.742188	2	0	1813.635254	117.4880524	0.194971085	1813.981934	117.4710312	0.190643311	1813.988892	117.6590958	0.320474625	1813.850952
3:59:36	2279.715332	2	0	1813.626709	117.4792786	0.203737259	1813.990723	117.462265	0.199415207	1813.997681	117.6633072	0.316264153	1813.84668
4:59:36	2339.710449	2	0	1813.637695	117.4682846	0.214735031	1814.001709	117.4555969	0.206075668	1814.004395	117.6739502	0.30561924	1813.83606
5:59:37	2399.696777	2	0	1813.629272	117.4723816	0.210638046	1813.997559	117.455368	0.20631218	1814.004639	117.682373	0.297194481	1813.827637
6:59:37	2459.679199	2	0	1813.645752	117.4645462	0.218475342	1814.005371	117.4561844	0.20549202	1814.003784	117.6615601	0.318014145	1813.848389
7:59:45	2519.666504	2	0	1813.641846	117.4771729	0.204788208	1813.992798	117.4601593	0.200460434	1813.999756	117.6525497	0.325964928	1813.857422
8:59:46	2579.649658	2	0	1813.651733	117.480217	0.202800751	1813.989746	117.4632034	0.198472977	1813.996704	117.6469345	0.332636833	1813.863037
9:59:45	2639.631836	2	0	1813.65625	117.4844284	0.198589325	1813.985596	117.463089	0.198589325	1813.996826	117.6597977	0.319770813	1813.85022
10:59:46	2699.621094	2	0	1813.666016	117.4789352	0.204086304	1813.991089	117.4662476	0.195430756	1813.993652	117.6456528	0.333917618	1813.86438
11:59:45	2759.597168	2	0	1813.676758	117.4941406	0.188882828	1813.97583	117.4684677	0.193210602	1813.991455	117.6532516	0.326321602	1813.856812
12:59:45	2819.588135	2	0	1813.67981	117.5040741	0.178941727	1813.965942	117.4827347	0.178941727	1813.977173	117.6058807	0.373691559	1813.904175

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW50C_DW	MW50C_WLD	MW50C_WLE	MW50D_DW	MW50D_WLD	MW50D_WLE	MW51B_DW	MW51B_WLD	MW51B_WLE	MW51C_DW
13:59:17	0.651250005	0	0	117.9614716	-0.075796127	1813.578613	117.8250809	-0.071464539	1813.634888	118.4328079	0.006436348	1813.167114	118.2873917
13:59:22	0.072966665	1	55	117.9614716	0	1813.578613	117.8294144	-0.004333496	1813.630493	118.4371414	-0.004332066	1813.162842	118.2873917
13:59:27	0.15671666	1	55	117.9658051	-0.004327774	1813.574219	117.8250809	0	1813.634888	118.4371414	-0.004332066	1813.162842	118.2917252
13:59:32	0.240850002	1	55	117.9777298	-0.016254425	1813.562256	117.8240356	0.001050949	1813.635986	118.4317551	0.001051903	1813.168213	118.2906723
13:59:38	0.324550003	1	55	118.0437012	-0.047609329	1813.496338	117.8250809	0	1813.634888	118.4371414	-0.004332066	1813.162842	118.2917252
13:59:43	0.408399999	1	55	118.0826492	-0.082223892	1813.457397	117.8250809	0	1813.634888	118.4328079	0	1813.167114	118.2917252
13:59:48	0.492216676	1	55	118.1259308	-0.164453506	1813.414063	117.8207626	0.004322052	1813.63916	118.4371414	-0.004332066	1813.162842	118.2873917
13:59:53	0.57585001	1	55	118.160553	-0.199077606	1813.379517	117.8250809	0	1813.634888	118.4328079	0	1813.167114	118.2873917
13:59:58	0.659749985	1	55	118.199501	-0.238027573	1813.340576	117.8250809	0	1813.634888	118.4371414	-0.004332066	1813.162842	118.2917252
14:00:03	0.743600011	1	55	118.2730713	-0.276975632	1813.266968	117.8250809	-0.004333496	1813.634888	118.4414673	-0.008655548	1813.158447	118.2917252
14:00:08	0.827416658	1	55	118.3076935	-0.346220016	1813.2323	117.8250809	0	1813.634888	118.4371414	-0.004332066	1813.162842	118.2917252
14:00:13	0.910899997	1	55	118.3379898	-0.376514435	1813.202026	117.8250809	0	1813.634888	118.4371414	-0.004332066	1813.162842	118.2917252
14:00:18	0.994616687	1	55	118.3682785	-0.406806946	1813.171753	117.8250809	0	1813.634888	118.4328079	0	1813.167114	118.296051
14:00:23	1.07796669	1	55	118.4212646	-0.459794998	1813.118774	117.8261337	-0.001052856	1813.633789	118.4338608	0	1813.166138	118.3014297
14:00:28	1.16170001	1	55	118.4418564	-0.480381012	1813.098145	117.8250809	0	1813.634888	118.4328079	0	1813.167114	118.3047028
14:00:33	1.245683312	1	55	118.4678192	-0.505298615	1813.072266	117.8250809	0	1813.634888	118.4317551	0	1813.168213	118.3079834
14:00:38	1.329583406	1	55	118.505722	-0.526931763	1813.034302	117.8283615	0	1813.631592	118.4328079	0	1813.167114	118.3133621
14:00:43	1.413550019	1	55	118.527359	-0.545297623	1813.012695	117.8283615	-0.004333496	1813.631592	118.4317551	0.001051903	1813.168213	118.3079834
14:00:48	1.497400045	1	55	118.5446701	-0.565883636	1812.995361	117.8283615	-0.00328064	1813.631592	118.4328079	0.001051903	1813.167114	118.3133621
14:00:53	1.581150055	1	55	118.5619812	-0.601556778	1812.978027	117.8326874	-0.008659363	1813.627319	118.4328079	0.001051903	1813.167114	118.317688
14:00:59	1.665483356	1	55	118.5976563	-0.636182785	1812.942383	117.8294144	-0.004333496	1813.630493	118.4328079	0	1813.167114	118.317688
14:01:04	1.749466658	1	55	118.6106415	-0.6491642	1812.929443	117.8294144	-0.004333496	1813.630493	118.4284897	0.004323006	1813.171509	118.317688
14:01:09	1.833616734	1	55	118.6279449	-0.666475296	1812.912109	117.8337402	-0.008659363	1813.626221	118.4371414	-0.004332066	1813.162842	118.3220139
14:01:14	1.917283297	1	55	118.6409302	-0.679458618	1812.89917	117.8337402	-0.008659363	1813.626221	118.4328079	0	1813.167114	118.3263397
14:01:19	2.001333237	1	55	118.6539154	-0.692440033	1812.886108	117.8294144	-0.004333496	1813.630493	118.4328079	0	1813.167114	118.3306732
14:01:24	2.085383415	1	55	118.6798859	-0.718410492	1812.860107	117.8380737	-0.012987137	1813.621826	118.4371414	-0.004332066	1813.162842	118.3306732
14:01:29	2.169699907	1	55	118.6885376	-0.72706604	1812.851563	117.8423996	-0.017314911	1813.617554	118.4371414	-0.004332066	1813.162842	118.3306732
14:01:34	2.253616571	1	55	118.6971893	-0.735715866	1812.842896	117.8423996	-0.016263962	1813.617554	118.4414673	-0.008655548	1813.158447	118.3349991
14:01:39	2.337366581	1	55	118.7091217	-0.747652054	1812.830933	117.8326874	-0.007608414	1813.627319	118.4360886	-0.003280163	1813.16394	118.3339462
14:01:44	2.421183348	1	55	118.7307587	-0.769289017	1812.809326	117.8326874	-0.007608414	1813.627319	118.4404144	-0.007603168	1813.159546	118.3339462
14:01:49	2.504616737	1	55	118.7307587	-0.769289017	1812.809326	117.8326874	-0.007608414	1813.627319	118.4360886	-0.003280163	1813.16394	118.3382721
14:01:54	2.588350058	1	55	118.7437439	-0.782272339	1812.796265	117.8370209	-0.011936188	1813.622925	118.4360886	-0.003280163	1813.16394	118.3426056
14:01:59	2.672166586	1	55	118.7567291	-0.795255661	1812.783325	117.8370209	-0.011936188	1813.622925	118.4360886	-0.003280163	1813.16394	118.3469315
14:02:04	2.755733252	1	55	118.7653809	-0.803911209	1812.774658	117.8413467	-0.016263962	1813.618652	118.4404144	-0.007603168	1813.159546	118.3469315
14:02:09	2.839116573	1	55	118.7740402	-0.81256485	1812.765991	117.8413467	-0.016263962	1813.618652	118.4360886	-0.003280163	1813.16394	118.3469315
14:02:14	2.92324996	1	55	118.7870178	-0.825548172	1812.753052	117.8413467	-0.020589828	1813.618652	118.4404144	-0.007603168	1813.159546	118.3512573
14:02:19	3.007083416	1	55	118.7913513	-0.829879761	1812.748657	117.8413467	-0.016263962	1813.618652	118.4404144	-0.007603168	1813.159546	118.3555832
14:02:24	3.09041667	1	55	118.8000107	-0.838535309	1812.73999	117.8413467	-0.016263962	1813.618652	118.4404144	-0.007603168	1813.159546	118.3599091
14:02:29	3.173716545	1	55	118.8086624	-0.847187042	1812.731323	117.8413467	-0.016263962	1813.618652	118.4404144	-0.007603168	1813.159546	118.3599091
14:02:34	3.257066727	1	55	118.8129883	-0.851518631	1812.727051	117.8456726	-0.020589828	1813.614258	118.4404144	-0.007603168	1813.159546	118.3642426
14:02:39	3.34163332	1	55	118.8313522	-0.860174179	1812.70874	117.8456726	-0.020589828	1813.614258	118.4404144	-0.008655548	1813.159546	118.3685684
14:02:44	3.424816608	1	55	118.8313522	-0.869880676	1812.70874	117.8467255	-0.021642685	1813.613281	118.4371414	-0.003280163	1813.162842	118.3696213
14:02:49	3.509133339	1	55	118.8389587	-0.877483368	1812.70105	117.8467255	-0.021642685	1813.613281	118.4360886	-0.004332066	1813.16394	118.3685684
14:02:54	3.593033314	1	55	118.8476105	-0.886138916	1812.692383	117.8456726	-0.020589828	1813.614258	118.4371414	-0.003280163	1813.162842	118.3739471
14:02:59	3.67658329	1	55	118.8605957	-0.899122238	1812.679443	117.8456726	-0.020589828	1813.614258	118.4360886	-0.003280163	1813.16394	118.3729019
14:03:03	3.744333267	1	55	118.8649216	-0.903450012	1812.675171	117.8413467	-0.016263962	1813.618652	118.4317551	0.001051903	1813.168213	118.3772202

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW50C_DW	MW50C_WLD	MW50C_WLE	MW50D_DW	MW50D_WLD	MW50D_WLE	MW51B_DW	MW51B_WLD	MW51B_WLE	MW51C_DW
14:03:08	3.829716682	1	55	118.8649216	-0.903450012	1812.675171	117.8456726	-0.020589828	1813.614258	118.4360886	-0.003280163	1813.16394	118.3815536
14:03:13	3.913599968	1	55	118.8692474	-0.907775879	1812.670776	117.8456726	-0.020589828	1813.614258	118.4360886	-0.003280163	1813.16394	118.3858795
14:03:18	3.996700048	1	55	118.8779068	-0.912103653	1812.662109	117.8456726	-0.020589828	1813.614258	118.4404144	-0.007603168	1813.159546	118.3858795
14:03:23	4.080183506	1	55	118.8822327	-0.920759201	1812.657837	117.8543243	-0.029245377	1813.605591	118.4371414	-0.003280163	1813.162842	118.3912659
14:03:28	4.164066792	1	55	118.8908844	-0.929414749	1812.64917	117.8499985	-0.024917603	1813.609985	118.4317551	0.001051903	1813.168213	118.3945389
14:03:33	4.247149944	1	55	118.8919373	-0.930467606	1812.648071	117.8499985	-0.025970459	1813.609985	118.4360886	-0.003280163	1813.16394	118.390213
14:03:38	4.330816746	1	55	118.9092484	-0.939121246	1812.630737	117.8543243	-0.030298233	1813.605591	118.4360886	-0.003280163	1813.16394	118.3945389
14:03:43	4.41386652	1	55	118.912529	-0.946725845	1812.627563	117.8510513	-0.030298233	1813.608887	118.4360886	-0.003280163	1813.16394	118.3988647
14:03:48	4.497733116	1	55	118.912529	-0.952108383	1812.627563	117.8499985	-0.024917603	1813.609985	118.4360886	-0.003280163	1813.16394	118.4031906
14:03:54	4.591400146	1	55	118.9179077	-0.956432343	1812.62207	117.8510513	-0.025970459	1813.608887	118.4328079	0	1813.167114	118.4042435
14:03:59	4.674733162	1	55	118.9265671	-0.960763931	1812.613525	117.8499985	-0.025970459	1813.609985	118.4360886	-0.004332066	1813.16394	118.4031906
14:04:04	4.758666515	1	55	118.9298401	-0.968366623	1812.610229	117.8553772	-0.029245377	1813.604614	118.4371414	0.001051903	1813.162842	118.4129028
14:04:09	4.842283249	1	55	118.9352188	-0.973747253	1812.604858	117.8543243	-0.030298233	1813.605591	118.4360886	-0.004332066	1813.16394	118.41185
14:04:14	4.926733494	1	55	118.9384918	-0.977018356	1812.601563	117.8543243	-0.030298233	1813.605591	118.4371414	-0.004332066	1813.162842	118.4129028
14:05:13	5.915133476	1	55	118.9860992	-1.024629593	1812.553955	117.8586578	-0.033573151	1813.601318	118.4317551	0.001051903	1813.168213	118.4464722
14:06:14	6.921949863	1	55	119.0293732	-1.067901611	1812.51062	117.8673096	-0.042228699	1813.592651	118.4490662	-0.01625824	1813.150879	118.4637756
14:07:14	7.930266857	1	55	119.0563965	-1.09387207	1812.483643	117.8683624	-0.042228699	1813.591553	118.4414673	-0.007603168	1813.158447	118.4864731
14:08:14	8.921732903	1	55	119.0866928	-1.125217438	1812.453369	117.8726959	-0.047609329	1813.58728	118.4414673	-0.008655548	1813.158447	118.5167694
14:09:13	9.914999962	1	55	119.1116028	-1.150131226	1812.428467	117.8802948	-0.055212021	1813.579712	118.4317551	0.001051903	1813.168213	118.53302
14:10:14	10.92465019	1	55	119.124588	-1.16311264	1812.415405	117.8846207	-0.059539795	1813.575317	118.4317551	0.001051903	1813.168213	118.5503387
14:11:13	11.91709995	1	55	119.1375732	-1.176099777	1812.402466	117.8943329	-0.069250107	1813.565674	118.4328079	0	1813.167114	118.5687027
14:12:14	12.92423344	1	55	119.1559372	-1.19446373	1812.384155	117.8846207	-0.059539795	1813.575317	118.4360886	-0.003280163	1813.16394	118.5849533
14:13:13	13.91396713	1	55	119.1645889	-1.203117371	1812.375488	117.8986588	-0.073574066	1813.561279	118.4414673	-0.008655548	1813.158447	118.598999
14:14:14	14.92198372	1	55	119.1819	-1.220428467	1812.358154	117.8899994	-0.064918518	1813.569946	118.4371414	-0.004332066	1813.162842	118.611969
14:19:14	19.92553329	1	55	119.2262268	-1.264757156	1812.313843	117.8997116	-0.074626923	1813.560303	118.4381943	-0.005384445	1813.161743	118.6736145
14:24:14	24.92133331	1	55	119.2532501	-1.291778564	1812.286743	117.9094162	-0.08433342	1813.550537	118.443573	-0.01075983	1813.156372	118.7179413
14:29:13	29.91423416	1	55	119.2695084	-1.308036804	1812.270508	117.9083633	-0.083280563	1813.551636	118.4425201	-0.009707451	1813.157471	118.7558441
14:34:14	34.91643524	1	55	119.2824936	-1.321020126	1812.257568	117.9170227	-0.091936111	1813.542969	118.4381943	-0.005384445	1813.161743	118.7774811
14:39:14	39.91889954	1	55	119.294426	-1.332950592	1812.245605	117.911644	-0.086561203	1813.54834	118.4371414	-0.004332066	1813.162842	118.7937469
14:44:14	44.92063141	1	55	119.2998047	-1.338329315	1812.240234	117.9170227	-0.091936111	1813.542969	118.4381943	-0.005384445	1813.161743	118.8121033
14:49:14	49.91433334	1	55	119.3095093	-1.346984863	1812.230469	117.9180756	-0.092988968	1813.54187	118.4349136	-0.002104759	1813.165039	118.8218079
14:54:14	54.92011642	1	55	119.3138428	-1.352365494	1812.226196	117.9224014	-0.097320557	1813.537598	118.4349136	-0.002104759	1813.165039	118.8304672
14:59:13	59.90643311	1	55	119.3181686	-1.356693268	1812.221924	117.9213486	-0.0962677	1813.538574	118.4338608	-0.00105238	1813.166138	118.8423996
15:29:14	89.9036026	1	55	119.3376999	-1.376226425	1812.202393	117.9235764	-0.098491669	1813.536377	118.4360886	-0.003280163	1813.16394	118.8619385
15:59:14	119.9007492	1	55	119.3507996	-1.38932991	1812.189209	117.9333954	-0.108310699	1813.526611	118.4285965	0.004210949	1813.171387	118.8760834
16:29:14	149.8831635	1	55	119.3563004	-1.394826889	1812.183716	117.9302368	-0.10515213	1813.529785	118.4211197	0.011692524	1813.178833	118.8772583
16:59:14	179.8882904	1	55	119.3529053	-1.391435623	1812.187134	117.9355011	-0.11041832	1813.524414	118.4393616	-0.006550789	1813.160645	118.8825226
17:29:13	209.8716278	1	55	119.355011	-1.38920784	1812.185059	117.9332809	-0.108198166	1813.526733	118.4328079	0	1813.167114	118.8846283
17:59:14	239.874649	1	55	119.3527832	-1.391313553	1812.187256	117.9353867	-0.110303879	1813.524536	118.4349136	-0.002104759	1813.165039	118.8824005
18:29:14	269.8623657	1	55	119.3548965	-1.393421173	1812.185181	117.9374924	-0.112411499	1813.522461	118.4240417	0.008769512	1813.175903	118.8845062
18:59:14	299.8529968	1	55	119.3472977	-1.391199112	1812.192749	117.9385452	-0.113464355	1813.521362	118.4294205	0.003389835	1813.170532	118.8812332
19:59:13	359.8321533	1	55	119.3458862	-1.38441658	1812.194092	117.9284897	-0.103406906	1813.531494	118.436676	-0.003863335	1813.16333	118.8841629
20:59:14	419.8272095	1	55	119.3346634	-1.368862152	1812.205322	117.9085999	-0.083520889	1813.551392	118.4211121	0.011694908	1813.178833	118.8729324
21:59:13	479.8027954	1	55	119.3206253	-1.359153748	1812.21936	117.8988953	-0.073812485	1813.561035	118.3940964	0.038710117	1813.205933	118.8545685
22:59:15	539.8018799	1	55	119.3075256	-1.346055984	1812.232544	117.8901215	-0.065042496	1813.569824	118.3810043	0.051807404	1813.218994	118.8458023
23:59:14	599.779541	1	55	119.2883453	-1.326871872	1812.251709	117.875267	-0.050186157	1813.584717	118.3704758	0.062335968	1813.229492	118.8309402

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW50C_DW	MW50C_WLD	MW50C_WLE	MW50D_DW	MW50D_WLD	MW50D_WLE	MW51B_DW	MW51B_WLD	MW51B_WLE	MW51C_DW
0:59:14	659.7584229	1	55	119.2779388	-1.316465378	1812.262085	117.8638	-0.038719177	1813.596191	118.3849716	0.047836781	1813.214966	118.8238068
1:59:15	719.7526245	1	55	119.2679977	-1.306524277	1812.272095	117.8635712	-0.038488388	1813.596436	118.3717651	0.061046124	1813.228271	118.8192444
2:59:14	779.7282104	1	55	119.2647171	-1.303245544	1812.275269	117.8602982	-0.03521347	1813.599609	118.3598328	0.072980881	1813.240112	118.8159714
3:59:14	839.715332	1	55	119.2591095	-1.297632217	1812.280884	117.8546906	-0.029603958	1813.605225	118.3542175	0.078594208	1813.245728	118.814682
4:59:13	899.6982422	1	55	119.2513885	-1.28991127	1812.288696	117.846962	-0.021881104	1813.613037	118.3378448	0.094968796	1813.262085	118.8026428
5:59:14	959.6853638	1	55	119.2488098	-1.287340164	1812.29126	117.8487244	-0.023637772	1813.611206	118.339592	0.093216896	1813.260376	118.8000641
6:59:14	1019.671692	1	55	119.2483521	-1.282546997	1812.291748	117.8395996	-0.023174286	1813.620361	118.3434601	0.089346886	1813.25647	118.7996063
7:59:15	1079.670288	1	55	119.2567749	-1.295301437	1812.283203	117.852356	-0.027269363	1813.607666	118.3172607	0.115550518	1813.282715	118.8080292
8:59:15	1139.653198	1	55	119.2609863	-1.299510956	1812.279053	117.8608932	-0.035808563	1813.599121	118.2998352	0.132977486	1813.300171	118.8079071
9:59:14	1199.625854	1	55	119.2792282	-1.317756653	1812.260864	117.8748093	-0.049726486	1813.585205	118.2964401	0.136369228	1813.303589	118.8175049
10:59:15	1259.625488	1	55	119.2715149	-1.310037613	1812.268555	117.8714142	-0.046333313	1813.588501	118.2800598	0.152748585	1813.319946	118.8184357
11:59:14	1319.597534	1	55	119.2724457	-1.312023163	1812.267578	117.8734055	-0.048324585	1813.586548	118.2690735	0.163737297	1813.330933	118.8160934
12:59:15	1379.593384	1	55	119.2628555	-1.301382065	1812.277222	117.8617096	-0.036626816	1813.598267	118.2617035	0.171106815	1813.338257	118.8000717
13:59:15	1439.572021	1	55	119.2615662	-1.299045563	1812.278442	117.8560944	-0.031013489	1813.603882	118.2604141	0.172392368	1813.3396	118.7987823
13:59:40	1439.991577	1	55	119.2648392	-1.303367615	1812.275146	117.8604279	-0.035341263	1813.599487	118.2690735	0.163737297	1813.330933	118.8031158
13:59:45	1440.074829	2	0	119.2648392	-1.303367615	1812.275146	117.8560944	-0.031013489	1813.603882	118.2733994	0.159413815	1813.326538	118.7987823
13:59:50	1440.158447	2	0	119.265892	-1.303367615	1812.27417	117.8604279	-0.035341263	1813.599487	118.26474	0.168068886	1813.335205	118.7944565
13:59:55	1440.241699	2	0	119.2518616	-1.291440964	1812.288208	117.8614807	-0.036394119	1813.598511	118.2657928	0.167016983	1813.334229	118.8041611
14:00:00	1440.325195	2	0	119.2475281	-1.286058426	1812.29248	117.8604279	-0.035341263	1813.599487	118.2690735	0.163737297	1813.330933	118.8031158
14:00:05	1440.408936	2	0	119.2248383	-1.276348114	1812.315186	117.8550415	-0.029958725	1813.60498	118.2680206	0.164791584	1813.331909	118.8020554
14:00:10	1440.492432	2	0	119.205307	-1.243833542	1812.334717	117.8604279	-0.035341263	1813.599487	118.26474	0.168068886	1813.335205	118.7987823
14:00:15	1440.576172	2	0	119.1869431	-1.225471497	1812.353149	117.8604279	-0.035341263	1813.599487	118.26474	0.168068886	1813.335205	118.8031158
14:00:20	1440.659424	2	0	119.1642532	-1.20277977	1812.375732	117.8636932	-0.038614273	1813.596313	118.2593613	0.173446655	1813.340576	118.7977295
14:00:25	1440.743042	2	0	119.1220245	-1.160552979	1812.417969	117.8560944	-0.031013489	1813.603882	118.2604141	0.172392368	1813.3396	118.7987823
14:00:30	1440.826538	2	0	119.1003876	-1.138916016	1812.439697	117.8604279	-0.035341263	1813.599487	118.2690735	0.163737297	1813.330933	118.7987823
14:00:35	1440.910034	2	0	119.0787506	-1.117273331	1812.461304	117.8604279	-0.035341263	1813.599487	118.2690735	0.163737297	1813.330933	118.7944565
14:00:40	1440.994019	2	0	119.0517273	-1.090257645	1812.488281	117.8593674	-0.034286499	1813.600586	118.2680206	0.164791584	1813.331909	118.7977295
14:00:45	1441.078003	2	0	119.0051727	-1.069669724	1812.534912	117.8604279	-0.035341263	1813.599487	118.26474	0.168068886	1813.335205	118.7987823
14:00:50	1441.161865	2	0	118.9759369	-1.014463425	1812.564087	117.8614807	-0.036394119	1813.598511	118.2657928	0.167016983	1813.334229	118.7955093
14:00:55	1441.245483	2	0	118.9542999	-0.992824554	1812.585693	117.8571472	-0.032066345	1813.602783	118.2657928	0.167016983	1813.334229	118.7911835
14:01:00	1441.329102	2	0	118.9045868	-0.964748383	1812.635498	117.8560944	-0.031013489	1813.603882	118.26474	0.168068886	1813.335205	118.7987823
14:01:05	1441.41333	2	0	118.9045868	-0.94311142	1812.635498	117.8550415	-0.029958725	1813.60498	118.2593613	0.173446655	1813.340576	118.7847443
14:01:10	1441.497559	2	0	118.8601379	-0.899721146	1812.679932	117.8592529	-0.034172058	1813.600708	118.2722321	0.160578251	1813.327759	118.7889557
14:01:15	1441.581909	2	0	118.8363953	-0.87597084	1812.703613	117.8560944	-0.031013489	1813.603882	118.2690735	0.163737297	1813.330933	118.7857971
14:01:20	1441.665527	2	0	118.7941666	-0.855388641	1812.74585	117.8582001	-0.031013489	1813.601807	118.2668457	0.165962696	1813.33313	118.7835846
14:01:25	1441.750122	2	0	118.7725296	-0.811058044	1812.767456	117.8571472	-0.031013489	1813.602783	118.2701263	0.162684917	1813.329834	118.7825241
14:01:30	1441.833618	2	0	118.7541656	-0.793746948	1812.785889	117.8484955	-0.022357941	1813.61145	118.2657928	0.167016983	1813.334229	118.7825241
14:01:35	1441.917236	2	0	118.7358017	-0.775384903	1812.804199	117.8474426	-0.022357941	1813.612549	118.2604141	0.172392368	1813.3396	118.7814713
14:01:40	1442.001099	2	0	118.7184906	-0.758073807	1812.821533	117.8550415	-0.031013489	1813.60498	118.2604141	0.172392368	1813.3396	118.7771454
14:01:45	1442.084717	2	0	118.6882019	-0.739706039	1812.851807	117.8507156	-0.025630951	1813.609253	118.2550278	0.177778721	1813.344971	118.7717667
14:01:50	1442.168579	2	0	118.671936	-0.709411621	1812.868164	117.8463898	-0.022357941	1813.613525	118.2550278	0.176724434	1813.344971	118.7760925
14:01:55	1442.252686	2	0	118.6535797	-0.692102432	1812.886475	117.8507156	-0.025630951	1813.609253	118.2507095	0.182101727	1813.349243	118.7674408
14:02:00	1442.336426	2	0	118.6232834	-0.679115295	1812.916748	117.8507156	-0.026685715	1813.609253	118.2550278	0.176724434	1813.344971	118.7631073
14:02:06	1442.42041	2	0	118.6070251	-0.645553589	1812.932983	117.8517685	-0.026685715	1813.608154	118.2560883	0.176724434	1813.343872	118.7641602
14:02:11	1442.504272	2	0	118.5983734	-0.636898041	1812.94165	117.8517685	-0.026685715	1813.608154	118.2560883	0.176724434	1813.343872	118.7641602
14:02:16	1442.587891	2	0	118.5800018	-0.618528366	1812.960083	117.8507156	-0.025630951	1813.609253	118.2550278	0.177778721	1813.344971	118.7587814

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW50C_DW	MW50C_WLD	MW50C_WLE	MW50D_DW	MW50D_WLD	MW50D_WLE	MW51B_DW	MW51B_WLD	MW51B_WLE	MW51C_DW
14:02:21	1442.671631	2	0	118.5767365	-0.615259171	1812.963257	117.8463898	-0.021303177	1813.613525	118.2593613	0.173446655	1813.340576	118.7587814
14:02:26	1442.755615	2	0	118.5497131	-0.588235855	1812.990356	117.8463898	-0.021303177	1813.613525	118.2593613	0.173446655	1813.340576	118.7587814
14:02:31	1442.839111	2	0	118.5453796	-0.583908081	1812.994629	117.8420563	-0.016971588	1813.61792	118.2636871	0.16912365	1813.336304	118.7501221
14:02:36	1442.923096	2	0	118.5237427	-0.562269211	1813.016357	117.8463898	-0.021303177	1813.613525	118.2593613	0.173446655	1813.340576	118.7501221
14:02:41	1443.006592	2	0	118.5161438	-0.554668427	1813.023926	117.8474426	-0.022357941	1813.612549	118.26474	0.168068886	1813.335205	118.7511826
14:02:46	1443.09082	2	0	118.5031586	-0.541687012	1813.036865	117.8431091	-0.018026352	1813.616821	118.26474	0.168068886	1813.335205	118.7468567
14:02:51	1443.174316	2	0	118.493454	-0.5319767	1813.046631	117.8431091	-0.018026352	1813.616821	118.26474	0.168068886	1813.335205	118.7425232
14:02:56	1443.257935	2	0	118.4847946	-0.523321152	1813.055298	117.8420563	-0.016971588	1813.61792	118.2680206	0.164791584	1813.331909	118.7371445
14:03:01	1443.341553	2	0	118.4718094	-0.510334015	1813.068237	117.8420563	-0.016971588	1813.61792	118.2680206	0.164791584	1813.331909	118.7371445
14:03:06	1443.424805	2	0	118.459877	-0.498405457	1813.0802	117.8431091	-0.018026352	1813.616821	118.2604141	0.172392368	1813.3396	118.7381973
14:03:11	1443.508179	2	0	118.4555511	-0.494077682	1813.084473	117.8431091	-0.018026352	1813.616821	118.26474	0.168068886	1813.335205	118.7381973
14:03:16	1443.592163	2	0	118.4468994	-0.485424042	1813.09314	117.8387833	-0.013702393	1813.621216	118.2604141	0.172392368	1813.3396	118.729538
14:03:21	1443.675415	2	0	118.4371872	-0.47571373	1813.102905	117.8420563	-0.016971588	1813.61792	118.2593613	0.173446655	1813.340576	118.7284851
14:03:26	1443.759033	2	0	118.424202	-0.476768494	1813.115845	117.8431091	-0.018026352	1813.616821	118.2604141	0.172392368	1813.3396	118.7338638
14:03:31	1443.842896	2	0	118.4155426	-0.454071045	1813.124512	117.8377304	-0.012649536	1813.622192	118.2593613	0.173446655	1813.340576	118.7284851
14:03:36	1443.92688	2	0	118.4144897	-0.453020096	1813.125488	117.8323517	-0.007265091	1813.627563	118.2583084	0.174499035	1813.341675	118.7231064
14:03:41	1444.010132	2	0	118.3971863	-0.435709	1813.142822	117.8366776	-0.01159668	1813.623291	118.2626343	0.170175552	1813.337402	118.7231064
14:03:46	1444.093628	2	0	118.3895874	-0.436761856	1813.150391	117.8377304	-0.012649536	1813.622192	118.2593613	0.173446655	1813.340576	118.7154999
14:03:51	1444.17749	2	0	118.3798752	-0.419454575	1813.160156	117.8333969	-0.00831604	1813.626587	118.2723389	0.160468102	1813.327637	118.7198334
14:03:56	1444.261108	2	0	118.3830338	-0.419454575	1813.156982	117.8333969	-0.00831604	1813.626587	118.2636871	0.16912365	1813.336304	118.7154999
14:04:01	1444.34436	2	0	118.36689	-0.406467438	1813.173096	117.8290787	-0.003993988	1813.630859	118.2636871	0.16912365	1813.336304	118.711174
14:04:06	1444.428101	2	0	118.3625641	-0.401088715	1813.17749	117.8323517	-0.007265091	1813.627563	118.2626343	0.170175552	1813.337402	118.7101212
14:04:11	1444.511353	2	0	118.3549576	-0.393486023	1813.185059	117.8301315	-0.005048752	1813.629883	118.2604141	0.172392368	1813.3396	118.7122269
14:04:16	1444.595459	2	0	118.3549576	-0.393486023	1813.185059	117.8290787	-0.003993988	1813.630859	118.2636871	0.16912365	1813.336304	118.7068481
14:04:21	1444.678955	2	0	118.3430328	-0.381557465	1813.197021	117.8344574	-0.009370804	1813.625488	118.26474	0.168068886	1813.335205	118.7035751
14:04:25	1444.746338	2	0	118.3386993	-0.377229691	1813.201294	117.8344574	-0.009370804	1813.625488	118.26474	0.168068886	1813.335205	118.7035751
14:04:31	1444.846436	2	0	118.3333206	-0.371847153	1813.206665	117.8290787	-0.003993988	1813.630859	118.2593613	0.173446655	1813.340576	118.6938629
14:04:36	1444.929932	2	0	118.3289948	-0.368574142	1813.21106	117.825798	-0.000715256	1813.634155	118.2604141	0.172392368	1813.3396	118.6905975
14:05:35	1445.917358	2	0	118.2737885	-0.313364029	1813.266235	117.8268509	-0.000715256	1813.633057	118.2657928	0.168068886	1813.334229	118.6700058
14:06:36	1446.922729	2	0	118.2164688	-0.254997253	1813.323608	117.8160934	0.008989334	1813.643921	118.2680206	0.164791584	1813.331909	118.6419296
14:07:36	1447.927979	2	0	118.1882858	-0.231134415	1813.351807	117.8138657	0.01121521	1813.646118	118.2701263	0.162684917	1813.329834	118.6180725
14:08:35	1448.914795	2	0	118.1623154	-0.201896667	1813.377686	117.8019409	0.023138046	1813.657959	118.2668457	0.165962696	1813.33313	118.5974884
14:09:35	1449.919922	2	0	118.1309662	-0.170549393	1813.409058	117.8052139	0.019868851	1813.654785	118.2484818	0.184327126	1813.35144	118.5661392
14:10:36	1450.924683	2	0	118.1147156	-0.15218544	1813.425293	117.7998352	0.025245667	1813.660156	118.2604141	0.172392368	1813.3396	118.5477753
14:11:36	1451.929932	2	0	118.0899124	-0.130548477	1813.450073	117.7955017	0.029577255	1813.664429	118.2604141	0.172392368	1813.3396	118.5304642
14:12:35	1452.918457	2	0	118.0811386	-0.11756134	1813.458862	117.7922287	0.032852173	1813.667725	118.2657928	0.167016983	1813.334229	118.5098724
14:13:36	1453.923584	2	0	118.0669861	-0.105514526	1813.473022	117.7921143	0.032968521	1813.667847	118.2656784	0.16712904	1813.334351	118.4967728
14:14:36	1454.927246	2	0	118.0476837	-0.086214066	1813.49231	117.790123	0.034959793	1813.6698	118.2593613	0.173446655	1813.340576	118.477478
14:19:35	1459.918823	2	0	118.0032425	-0.040716171	1813.536743	117.783577	0.041507721	1813.676392	118.2571411	0.175672054	1813.342773	118.4189911
14:24:35	1464.922241	2	0	117.970726	-0.009250641	1813.569336	117.7780762	0.048055649	1813.681885	118.2646255	0.169233322	1813.335327	118.3702164
14:29:36	1469.912842	2	0	117.9576263	0.002794266	1813.582397	117.7746887	0.050394058	1813.685303	118.265564	0.167248249	1813.334473	118.3408661
14:34:36	1474.922485	2	0	117.9392624	0.0254879	1813.60083	117.7595978	0.055776596	1813.700317	118.2677841	0.16397047	1813.332153	118.3127899
14:39:36	1479.912964	2	0	117.9208984	0.040576935	1813.619141	117.7542191	0.070865631	1813.705688	118.2667313	0.166077137	1813.333252	118.2900925
14:44:36	1484.9198	2	0	117.9079132	0.049232483	1813.63208	117.7585449	0.066537857	1813.701416	118.2667313	0.166077137	1813.333252	118.2727814
14:49:35	1489.909546	2	0	117.9035873	0.057886124	1813.636475	117.7542191	0.070865631	1813.705688	118.2623978	0.170409203	1813.337524	118.2641296
14:54:36	1494.919678	2	0	117.8992615	0.062213898	1813.640747	117.7542191	0.070865631	1813.705688	118.2623978	0.170409203	1813.337524	118.2511444

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW50C_DW	MW50C_WLD	MW50C_WLE	MW50D_DW	MW50D_WLD	MW50D_WLE	MW51B_DW	MW51B_WLD	MW51B_WLE	MW51C_DW
14:59:36	1499.908203	2	0	117.8959885	0.065486908	1813.644043	117.7552719	0.069810867	1813.704712	118.2634583	0.169354439	1813.336548	118.2435455
15:29:36	1529.907349	2	0	117.8765717	0.084903717	1813.663452	117.7445068	0.080572128	1813.715454	118.2526932	0.180116177	1813.34729	118.2111435
15:59:36	1559.90686	2	0	117.8744659	0.08700943	1813.665527	117.7424011	0.082677841	1813.717529	118.2419357	0.190876007	1813.358032	118.2090454
16:29:36	1589.894287	2	0	117.8701324	0.08700943	1813.669922	117.7424011	0.082677841	1813.717529	118.2376099	0.195203304	1813.362305	118.2090454
16:59:37	1619.891602	2	0	117.8680267	0.093446732	1813.671997	117.7359695	0.089111328	1813.723999	118.2354965	0.197309971	1813.364502	118.1982803
17:29:36	1649.875	2	0	117.8777313	0.083738327	1813.662354	117.73703	0.088056564	1813.7229	118.2322235	0.200583458	1813.367798	118.1993332
17:59:36	1679.874512	2	0	117.8829956	0.078474045	1813.656982	117.7379608	0.087125778	1813.722046	118.2331619	0.199647903	1813.366821	118.2045975
18:29:36	1709.857056	2	0	117.8753967	0.086078644	1813.664673	117.7346878	0.090396881	1813.72522	118.2385406	0.19426775	1813.36145	118.196991
18:59:36	1739.854492	2	0	117.8677979	0.093679428	1813.672241	117.7184296	0.106653214	1813.741577	118.2266159	0.206196308	1813.373413	118.1893921
19:59:36	1799.838013	2	0	117.8426514	0.118825912	1813.697388	117.6965561	0.127471924	1813.763428	118.2307053	0.201049805	1813.369263	118.1804962
20:59:36	1859.829712	2	0	117.8391418	0.122333527	1813.700928	117.6854401	0.139640808	1813.774536	118.2195969	0.213213921	1813.380371	118.1693878
21:59:36	1919.809814	2	0	117.8280334	0.133441925	1813.712036	117.682991	0.142091751	1813.776978	118.2128143	0.219997883	1813.387207	118.1626129
22:59:36	1979.792847	2	0	117.8204269	0.145372391	1813.719604	117.6710587	0.154022217	1813.78894	118.1965561	0.236251831	1813.403442	118.146347
23:59:36	2039.780396	2	0	117.8041687	0.157306671	1813.73584	117.6591263	0.165958405	1813.800781	118.1673126	0.265497208	1813.432617	118.1300888
0:59:36	2099.764648	2	0	117.7856903	0.176836014	1813.754395	117.6439209	0.181163788	1813.81604	118.1650925	0.267720222	1813.434937	118.1235352
1:59:36	2159.750488	2	0	117.780426	0.181045532	1813.759644	117.644043	0.18103981	1813.815918	118.160881	0.271928787	1813.439087	118.1063538
2:59:37	2219.742188	2	0	117.7708359	0.190637589	1813.769165	117.6257935	0.199293137	1813.834229	118.1469574	0.285849571	1813.453003	118.1010895
3:59:36	2279.715332	2	0	117.7663879	0.195081711	1813.773682	117.6170197	0.208065033	1813.842896	118.1511688	0.281638622	1813.448853	118.092308
4:59:36	2339.710449	2	0	117.7597198	0.201751709	1813.780273	117.6190109	0.210401535	1813.840942	118.1531601	0.279648781	1813.446777	118.0899734
5:59:37	2399.696777	2	0	117.759491	0.201982498	1813.780518	117.6057968	0.219287872	1813.854126	118.1529312	0.27987957	1813.447021	118.0854111
6:59:37	2459.679199	2	0	117.7559814	0.20549202	1813.784058	117.6022873	0.21846962	1813.857666	118.1364365	0.287715912	1813.463501	118.0862274
7:59:45	2519.666504	2	0	117.7642899	0.19613266	1813.775757	117.6235733	0.201509476	1813.836426	118.1490707	0.283738613	1813.450928	118.0945358
8:59:46	2579.649658	2	0	117.7630005	0.198471069	1813.7771	117.6179581	0.207126617	1813.842041	118.1304779	0.302334309	1813.469482	118.0932465
9:59:45	2639.631836	2	0	117.7672119	0.194261551	1813.772827	117.6264954	0.198583603	1813.833496	118.1390076	0.293800354	1813.460938	118.093132
10:59:46	2699.621094	2	0	117.7703705	0.191102982	1813.769653	117.6296539	0.195425034	1813.830322	118.1205292	0.312279224	1813.479492	118.0962906
11:59:45	2759.597168	2	0	117.7736435	0.187828064	1813.766357	117.6329346	0.192152023	1813.827026	118.1097717	0.323040962	1813.490234	118.0985107
12:59:45	2819.588135	2	0	117.7825317	0.178939819	1813.757568	117.6418152	0.183263779	1813.818115	118.1110535	0.321755409	1813.488892	118.104126

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW51C_WLD	MW51C_WLE	MW51D_DW	MW51D_WLD	MW51D_WLE	BarometricPress
13:59:17	0.651250005	0	0	-0.071464539	1813.332642	118.2178574	-0.058486938	1813.4021	30.26258469
13:59:22	0.072966665	1	55	0	1813.332642	118.2178574	0	1813.4021	30.26258469
13:59:27	0.15671666	1	55	-0.004331589	1813.328247	118.2178574	0	1813.4021	30.26258469
13:59:32	0.240850002	1	55	-0.003278732	1813.329346	118.2211304	-0.003274918	1813.398926	30.2616539
13:59:38	0.324550003	1	55	-0.004331589	1813.328247	118.2178574	0	1813.4021	30.26258469
13:59:43	0.408399999	1	55	-0.004331589	1813.328247	118.2178574	0	1813.4021	30.26258469
13:59:48	0.492216676	1	55	0	1813.332642	118.2221832	-0.004327774	1813.397827	30.26258469
13:59:53	0.57585001	1	55	0	1813.332642	118.2178574	0	1813.4021	30.26258469
13:59:58	0.659749985	1	55	-0.004331589	1813.328247	118.2178574	0	1813.4021	30.26258469
14:00:03	0.743600011	1	55	-0.004331589	1813.328247	118.2178574	0	1813.4021	30.26258469
14:00:08	0.827416658	1	55	0	1813.328247	118.2178574	0	1813.4021	30.26258469
14:00:13	0.910899997	1	55	-0.004331589	1813.328247	118.2178574	0	1813.4021	30.26258469
14:00:18	0.994616687	1	55	-0.008655548	1813.323975	118.2221832	-0.004327774	1813.397827	30.26258469
14:00:23	1.07796669	1	55	-0.012987137	1813.318604	118.227562	-0.008655548	1813.392456	30.26258469
14:00:28	1.16170001	1	55	-0.012987137	1813.315308	118.2221832	-0.004327774	1813.397827	30.26258469
14:00:33	1.245683312	1	55	-0.017314911	1813.312012	118.2168045	-0.004327774	1813.403198	30.26258469
14:00:38	1.329583406	1	55	-0.025968552	1813.306641	118.2178574	0	1813.4021	30.2616539
14:00:43	1.413550019	1	55	-0.020589828	1813.312012	118.2168045	0.001052856	1813.403198	30.2616539
14:00:48	1.497400045	1	55	-0.020589828	1813.306641	118.2178574	0.001052856	1813.4021	30.2616539
14:00:53	1.581150055	1	55	-0.029245377	1813.302246	118.2178574	0.001052856	1813.4021	30.2616539
14:00:59	1.665483356	1	55	-0.030296326	1813.302246	118.2221832	-0.004327774	1813.397827	30.26258469
14:01:04	1.749466658	1	55	-0.030296326	1813.302246	118.2221832	-0.004327774	1813.397827	30.26258469
14:01:09	1.833616734	1	55	-0.0346241	1813.297974	118.2178574	0	1813.4021	30.26258469
14:01:14	1.917283297	1	55	-0.038951874	1813.293701	118.2178574	0	1813.4021	30.26258469
14:01:19	2.001333237	1	55	-0.043279648	1813.289307	118.2178574	0	1813.4021	30.26258469
14:01:24	2.085383415	1	55	-0.043279648	1813.289307	118.2221832	-0.004327774	1813.397827	30.26258469
14:01:29	2.169699907	1	55	-0.043279648	1813.289307	118.2221832	-0.004327774	1813.397827	30.26258469
14:01:34	2.253616571	1	55	-0.047607422	1813.285034	118.2221832	-0.004327774	1813.397827	30.2616539
14:01:39	2.337366581	1	55	-0.046554565	1813.286011	118.2211304	-0.003274918	1813.398926	30.2616539
14:01:44	2.421183348	1	55	-0.046554565	1813.286011	118.2211304	-0.003274918	1813.398926	30.2616539
14:01:49	2.504616737	1	55	-0.050882339	1813.281738	118.2211304	-0.003274918	1813.398926	30.2616539
14:01:54	2.588350058	1	55	-0.055210114	1813.277344	118.2211304	-0.003274918	1813.398926	30.2616539
14:01:59	2.672166586	1	55	-0.059537888	1813.273071	118.2211304	-0.003274918	1813.398926	30.2616539
14:02:04	2.755733252	1	55	-0.059537888	1813.273071	118.2211304	-0.003274918	1813.398926	30.2616539
14:02:09	2.839116573	1	55	-0.059537888	1813.273071	118.2211304	-0.003274918	1813.398926	30.2616539
14:02:14	2.92324996	1	55	-0.063865662	1813.268799	118.2211304	-0.003274918	1813.398926	30.2616539
14:02:19	3.007083416	1	55	-0.068193436	1813.264404	118.2211304	-0.003274918	1813.398926	30.2616539
14:02:24	3.09041667	1	55	-0.07252121	1813.260132	118.2254562	-0.007602692	1813.394531	30.2616539
14:02:29	3.173716545	1	55	-0.07252121	1813.260132	118.2211304	-0.003274918	1813.398926	30.2616539
14:02:34	3.257066727	1	55	-0.076852798	1813.255737	118.2211304	-0.003274918	1813.398926	30.26258469
14:02:39	3.34163332	1	55	-0.082227707	1813.251465	118.2211304	-0.004327774	1813.398926	30.2616539
14:02:44	3.424816608	1	55	-0.081176758	1813.250366	118.2265091	-0.007602692	1813.393433	30.26258469
14:02:49	3.509133339	1	55	-0.082227707	1813.251465	118.2254562	-0.008655548	1813.394531	30.2616539
14:02:54	3.593033314	1	55	-0.085508347	1813.246094	118.2265091	-0.007602692	1813.393433	30.2616539
14:02:59	3.67658329	1	55	-0.085508347	1813.24707	118.2211304	-0.003274918	1813.398926	30.2616539
14:03:03	3.744333267	1	55	-0.089830399	1813.242798	118.2254562	-0.007602692	1813.394531	30.2616539

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW51C_WLD	MW51C_WLE	MW51D_DW	MW51D_WLD	MW51D_WLE	BarometricPress
14:03:08	3.829716682	1	55	-0.094163895	1813.238403	118.2254562	-0.007602692	1813.394531	30.2616539
14:03:13	3.913599968	1	55	-0.098485947	1813.234131	118.2254562	-0.007602692	1813.394531	30.2616539
14:03:18	3.996700048	1	55	-0.098485947	1813.234131	118.2254562	-0.007602692	1813.394531	30.2616539
14:03:23	4.080183506	1	55	-0.098485947	1813.22876	118.2265091	-0.007602692	1813.393433	30.26258469
14:03:28	4.164066792	1	55	-0.107145309	1813.225464	118.2254562	-0.007602692	1813.394531	30.2616539
14:03:33	4.247149944	1	55	-0.102817535	1813.229736	118.2297821	-0.011930466	1813.390259	30.26258469
14:03:38	4.330816746	1	55	-0.107145309	1813.225464	118.2297821	-0.011930466	1813.390259	30.26258469
14:03:43	4.41386652	1	55	-0.111473083	1813.221191	118.2297821	-0.011930466	1813.390259	30.2616539
14:03:48	4.497733116	1	55	-0.115800858	1813.216797	118.2297821	-0.011930466	1813.390259	30.26258469
14:03:54	4.591400146	1	55	-0.116853714	1813.215698	118.230835	-0.012983322	1813.38916	30.26258469
14:03:59	4.674733162	1	55	-0.116853714	1813.216797	118.2297821	-0.012983322	1813.390259	30.26258469
14:04:04	4.758666515	1	55	-0.120124817	1813.207031	118.230835	-0.011930466	1813.38916	30.2616539
14:04:09	4.842283249	1	55	-0.125509262	1813.20813	118.2297821	-0.012983322	1813.390259	30.26258469
14:04:14	4.926733494	1	55	-0.125509262	1813.207031	118.2351685	-0.017311096	1813.384766	30.26258469
14:05:13	5.915133476	1	55	-0.159080505	1813.173584	118.2384415	-0.020586014	1813.381592	30.2616539
14:06:14	6.921949863	1	55	-0.176387787	1813.15625	118.2427673	-0.024913788	1813.377197	30.2616539
14:07:14	7.930266857	1	55	-0.198030472	1813.133545	118.2481461	-0.029241562	1813.371826	30.26258469
14:08:14	8.921732903	1	55	-0.229373932	1813.103271	118.2568054	-0.038948059	1813.363159	30.26258469
14:09:13	9.914999962	1	55	-0.245632172	1813.086914	118.2427673	-0.024913788	1813.377197	30.2616539
14:10:14	10.92465019	1	55	-0.262943268	1813.069702	118.2557526	-0.037895203	1813.364258	30.26258469
14:11:13	11.91709995	1	55	-0.281311035	1813.05127	118.2568054	-0.038948059	1813.363159	30.26258469
14:12:14	12.92423344	1	55	-0.297563553	1813.035034	118.2644043	-0.046550751	1813.355591	30.26258469
14:13:13	13.91396713	1	55	-0.311603546	1813.020996	118.2697906	-0.051931381	1813.35022	30.26258469
14:14:14	14.92198372	1	55	-0.324581146	1813.008057	118.2611313	-0.043275833	1813.358887	30.26258469
14:19:14	19.92553329	1	55	-0.386224747	1812.946411	118.2838287	-0.065969467	1813.336182	30.26351357
14:24:14	24.92133331	1	55	-0.430553436	1812.9021	118.2978592	-0.080001831	1813.322144	30.26444435
14:29:13	29.91423416	1	55	-0.468452454	1812.864136	118.3011322	-0.083280563	1813.318848	30.26351357
14:34:14	34.91643524	1	55	-0.490091324	1812.842529	118.3011322	-0.083280563	1813.318848	30.26351357
14:39:14	39.91889954	1	55	-0.506353378	1812.826294	118.3044052	-0.086551666	1813.315552	30.26258469
14:44:14	44.92063141	1	55	-0.524715424	1812.807861	118.3054581	-0.087604523	1813.314575	30.26351357
14:49:14	49.91433334	1	55	-0.534418106	1812.798218	118.3108368	-0.092983246	1813.309204	30.26444435
14:54:14	54.92011642	1	55	-0.543073654	1812.789551	118.3108368	-0.092983246	1813.309204	30.26444435
14:59:13	59.90643311	1	55	-0.555009842	1812.777588	118.3141174	-0.096263885	1813.305908	30.26444435
15:29:14	89.9036026	1	55	-0.574542999	1812.758057	118.3206711	-0.102813721	1813.299316	30.26258469
15:59:14	119.9007492	1	55	-0.588693619	1812.743896	118.3175125	-0.099655151	1813.30249	30.25886345
16:29:14	149.8831635	1	55	-0.589862823	1812.742676	118.3230057	-0.10515213	1813.296997	30.25699997
16:59:14	179.8882904	1	55	-0.595129013	1812.737427	118.3239441	-0.106084824	1813.296021	30.2616539
17:29:13	209.8716278	1	55	-0.597232819	1812.735352	118.3260498	-0.108190536	1813.293945	30.2616539
17:59:14	239.874649	1	55	-0.59500885	1812.737549	118.3194962	-0.101638794	1813.300537	30.26444435
18:29:14	269.8623657	1	55	-0.597118378	1812.735474	118.3216019	-0.103748322	1813.29834	30.26630783
18:59:14	299.8529968	1	55	-0.59384346	1812.73877	118.3313141	-0.113454819	1813.288696	30.2681675
19:59:13	359.8321533	1	55	-0.596769333	1812.73584	118.3299103	-0.112056732	1813.290039	30.27747345
20:59:14	419.8272095	1	55	-0.585542679	1812.74707	118.3143616	-0.096504211	1813.305664	30.29050064
21:59:13	479.8027954	1	55	-0.567176819	1812.765381	118.3003159	-0.082462311	1813.319702	30.29050064
22:59:15	539.8018799	1	55	-0.558408737	1812.77417	118.2915497	-0.073692322	1813.328491	30.293293
23:59:14	599.779541	1	55	-0.543546677	1812.789063	118.2810211	-0.063163757	1813.338989	30.28398705

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW51C_WLD	MW51C_WLE	MW51D_DW	MW51D_WLD	MW51D_WLE	BarometricPress
0:59:14	659.7584229	1	55	-0.536413193	1812.796143	118.2652283	-0.047374725	1813.354736	30.3044548
1:59:15	719.7526245	1	55	-0.53185463	1812.800781	118.2649994	-0.047143936	1813.35498	30.31190109
2:59:14	779.7282104	1	55	-0.528579712	1812.804077	118.2574005	-0.039541245	1813.362549	30.31282997
3:59:14	839.715332	1	55	-0.527294159	1812.805298	118.2517853	-0.033927917	1813.368164	30.31934357
4:59:13	899.6982422	1	55	-0.515247345	1812.817383	118.2483902	-0.030534744	1813.371582	30.32399559
5:59:14	959.6853638	1	55	-0.512670517	1812.819946	118.2458191	-0.027959824	1813.374146	30.33702278
6:59:14	1019.671692	1	55	-0.512212753	1812.820435	118.2453537	-0.027498245	1813.374634	30.35191345
7:59:15	1079.670288	1	55	-0.520635605	1812.812012	118.2537766	-0.035919189	1813.366211	30.35935783
8:59:15	1139.653198	1	55	-0.520513535	1812.812134	118.2536621	-0.035802841	1813.366333	30.36307907
9:59:14	1199.625854	1	55	-0.530109406	1812.80249	118.271904	-0.054048538	1813.348145	30.36773109
10:59:15	1259.625488	1	55	-0.531040192	1812.801514	118.2598572	-0.042001724	1813.360107	30.37238312
11:59:14	1319.597534	1	55	-0.528701782	1812.803955	118.2661743	-0.048318863	1813.35376	30.37703323
12:59:15	1379.593384	1	55	-0.512678146	1812.819946	118.2588043	-0.040948868	1813.361206	30.37238312
13:59:15	1439.572021	1	55	-0.511392593	1812.821167	118.2488632	-0.031007767	1813.371094	30.37889671
13:59:40	1439.991577	1	55	-0.515720367	1812.816895	118.2488632	-0.031007767	1813.371094	30.37796593
13:59:45	1440.074829	2	0	-0.511392593	1812.821167	118.2488632	-0.031007767	1813.371094	30.37703323
13:59:50	1440.158447	2	0	-0.507064819	1812.825562	118.2531891	-0.035335541	1813.366821	30.37889671
13:59:55	1440.241699	2	0	-0.516771317	1812.815796	118.2542419	-0.036388397	1813.365723	30.37796593
14:00:00	1440.325195	2	0	-0.515720367	1812.816895	118.2531891	-0.035335541	1813.366821	30.37796593
14:00:05	1440.408936	2	0	-0.514665604	1812.817993	118.2478104	-0.02995491	1813.372192	30.37703323
14:00:10	1440.492432	2	0	-0.511392593	1812.821167	118.2445374	-0.0266819	1813.375488	30.37889671
14:00:15	1440.576172	2	0	-0.515720367	1812.816895	118.2575226	-0.039663315	1813.362427	30.37796593
14:00:20	1440.659424	2	0	-0.51033783	1812.822266	118.2521362	-0.034282684	1813.36792	30.37703323
14:00:25	1440.743042	2	0	-0.511392593	1812.821167	118.2531891	-0.035335541	1813.366821	30.37703323
14:00:30	1440.826538	2	0	-0.511392593	1812.821167	118.2445374	-0.0266819	1813.375488	30.37796593
14:00:35	1440.910034	2	0	-0.507064819	1812.825562	118.2488632	-0.031007767	1813.371094	30.37796593
14:00:40	1440.994019	2	0	-0.51033783	1812.822266	118.2478104	-0.02995491	1813.372192	30.37703323
14:00:45	1441.078003	2	0	-0.511392593	1812.821167	118.2488632	-0.031007767	1813.371094	30.37796593
14:00:50	1441.161865	2	0	-0.508117676	1812.824463	118.2455902	-0.027732849	1813.37439	30.3798275
14:00:55	1441.245483	2	0	-0.503789902	1812.828857	118.2499161	-0.032060623	1813.370117	30.37889671
14:01:00	1441.329102	2	0	-0.511392593	1812.821167	118.2488632	-0.031007767	1813.371094	30.37796593
14:01:05	1441.41333	2	0	-0.497354507	1812.835205	118.2434845	-0.025627136	1813.376465	30.37703323
14:01:10	1441.497559	2	0	-0.501567841	1812.831055	118.2520218	-0.034166336	1813.36792	30.3798275
14:01:15	1441.581909	2	0	-0.498409271	1812.834229	118.2531891	-0.035335541	1813.366821	30.37796593
14:01:20	1441.665527	2	0	-0.496189117	1812.836426	118.2466431	-0.028787613	1813.373291	30.37889671
14:01:25	1441.750122	2	0	-0.495134354	1812.837524	118.2499161	-0.032060623	1813.370117	30.37889671
14:01:30	1441.833618	2	0	-0.495134354	1812.837524	118.2499161	-0.032060623	1813.370117	30.37796593
14:01:35	1441.917236	2	0	-0.494081497	1812.838501	118.2575226	-0.039663315	1813.362427	30.37703323
14:01:40	1442.001099	2	0	-0.489753723	1812.842896	118.2531891	-0.035335541	1813.366821	30.37703323
14:01:45	1442.084717	2	0	-0.484373093	1812.848267	118.2478104	-0.02995491	1813.372192	30.37703323
14:01:50	1442.168579	2	0	-0.489753723	1812.843872	118.2521362	-0.0266819	1813.36792	30.37796593
14:01:55	1442.252686	2	0	-0.480045319	1812.852539	118.2478104	-0.02995491	1813.372192	30.37703323
14:02:00	1442.336426	2	0	-0.476772308	1812.856934	118.2478104	-0.031007767	1813.372192	30.37703323
14:02:06	1442.42041	2	0	-0.476772308	1812.855835	118.2488632	-0.031007767	1813.371094	30.37796593
14:02:11	1442.504272	2	0	-0.476772308	1812.855835	118.2488632	-0.031007767	1813.371094	30.37796593
14:02:16	1442.587891	2	0	-0.471389771	1812.861206	118.2478104	-0.02995491	1813.372192	30.37703323

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW51C_WLD	MW51C_WLE	MW51D_DW	MW51D_WLD	MW51D_WLE	BarometricPress
14:02:21	1442.671631	2	0	-0.471389771	1812.861206	118.2521362	-0.034282684	1813.36792	30.37796593
14:02:26	1442.755615	2	0	-0.471389771	1812.861206	118.2521362	-0.034282684	1813.36792	30.37703323
14:02:31	1442.839111	2	0	-0.462734222	1812.869873	118.2434845	-0.025627136	1813.376465	30.37703323
14:02:36	1442.923096	2	0	-0.462734222	1812.869873	118.2521362	-0.034282684	1813.36792	30.37703323
14:02:41	1443.006592	2	0	-0.463788986	1812.868774	118.2488632	-0.031007767	1813.371094	30.37796593
14:02:46	1443.09082	2	0	-0.459461212	1812.873169	118.2531891	-0.035335541	1813.366821	30.37796593
14:02:51	1443.174316	2	0	-0.455129623	1812.877441	118.2488632	-0.031007767	1813.371094	30.37796593
14:02:56	1443.257935	2	0	-0.4497509	1812.882813	118.2521362	-0.034282684	1813.36792	30.37703323
14:03:01	1443.341553	2	0	-0.4497509	1812.882813	118.2478104	-0.02995491	1813.372192	30.37703323
14:03:06	1443.424805	2	0	-0.450805664	1812.881836	118.2531891	-0.035335541	1813.366821	30.37796593
14:03:11	1443.508179	2	0	-0.450805664	1812.881836	118.2488632	-0.031007767	1813.371094	30.37796593
14:03:16	1443.592163	2	0	-0.442150116	1812.890503	118.2488632	-0.031007767	1813.371094	30.37796593
14:03:21	1443.675415	2	0	-0.44109726	1812.891479	118.2478104	-0.02995491	1813.372192	30.37703323
14:03:26	1443.759033	2	0	-0.446474075	1812.886108	118.2531891	-0.035335541	1813.366821	30.37796593
14:03:31	1443.842896	2	0	-0.44109726	1812.891479	118.2478104	-0.02995491	1813.372192	30.37703323
14:03:36	1443.92688	2	0	-0.435712814	1812.896851	118.2424316	-0.02457428	1813.377563	30.37610435
14:03:41	1444.010132	2	0	-0.435712814	1812.896851	118.2424316	-0.02457428	1813.377563	30.37610435
14:03:46	1444.093628	2	0	-0.428110123	1812.904541	118.2434845	-0.025627136	1813.376465	30.37610435
14:03:51	1444.17749	2	0	-0.432441711	1812.900146	118.2434845	-0.025627136	1813.376465	30.37610435
14:03:56	1444.261108	2	0	-0.428110123	1812.904541	118.2434845	-0.025627136	1813.376465	30.37796593
14:04:01	1444.34436	2	0	-0.423782349	1812.908813	118.239151	-0.021299362	1813.380859	30.37610435
14:04:06	1444.428101	2	0	-0.422729492	1812.909912	118.2424316	-0.02457428	1813.377563	30.37610435
14:04:11	1444.511353	2	0	-0.424835205	1812.907715	118.2488632	-0.031007767	1813.371094	30.37703323
14:04:16	1444.595459	2	0	-0.419454575	1812.913086	118.239151	-0.021299362	1813.380859	30.37703323
14:04:21	1444.678955	2	0	-0.416181564	1812.916382	118.2445374	-0.0266819	1813.375488	30.37796593
14:04:25	1444.746338	2	0	-0.416181564	1812.916382	118.2445374	-0.0266819	1813.375488	30.37796593
14:04:31	1444.846436	2	0	-0.406471252	1812.926147	118.239151	-0.021299362	1813.380859	30.37703323
14:04:36	1444.929932	2	0	-0.403202057	1812.929443	118.2445374	-0.0266819	1813.375488	30.37703323
14:05:35	1445.917358	2	0	-0.381559372	1812.949951	118.2412567	-0.022354126	1813.378784	30.37796593
14:06:36	1446.922729	2	0	-0.354539871	1812.978027	118.2304993	-0.012639999	1813.389526	30.37703323
14:07:36	1447.927979	2	0	-0.330680847	1813.001953	118.2282791	-0.01042366	1813.391724	30.37889671
14:08:35	1448.914795	2	0	-0.310092926	1813.022461	118.229332	-0.011476517	1813.390625	30.37796593
14:09:35	1449.919922	2	0	-0.278745651	1813.053833	118.2196198	-0.001768112	1813.400391	30.37796593
14:10:36	1450.924683	2	0	-0.260379791	1813.072266	118.2099152	0.007940292	1813.410034	30.37889671
14:11:36	1451.929932	2	0	-0.24307251	1813.089478	118.2099152	0.007940292	1813.410034	30.37703323
14:12:35	1452.918457	2	0	-0.222482681	1813.110107	118.2023087	0.015546799	1813.417725	30.3798275
14:13:36	1453.923584	2	0	-0.209383011	1813.123169	118.2065201	0.011335373	1813.413452	30.38261795
14:14:36	1454.927246	2	0	-0.19008255	1813.142578	118.1872253	0.030632019	1813.432739	30.37703323
14:19:35	1459.918823	2	0	-0.131599426	1813.20105	118.1849976	0.032857895	1813.435059	30.3798275
14:24:35	1464.922241	2	0	-0.081773758	1813.249756	118.1795044	0.039405823	1813.44043	30.38168716
14:29:36	1469.912842	2	0	-0.053470612	1813.279175	118.1761093	0.041744232	1813.443848	30.3854084
14:34:36	1474.922485	2	0	-0.026447296	1813.307251	118.1696777	0.047124863	1813.450317	30.38447952
14:39:36	1479.912964	2	0	-0.002702713	1813.329956	118.1556396	0.06221962	1813.464355	30.38447952
14:44:36	1484.9198	2	0	0.014608383	1813.347168	118.1556396	0.06221962	1813.464355	30.38354683
14:49:35	1489.909546	2	0	0.023262024	1813.355835	118.1556396	0.06221962	1813.464355	30.38354683
14:54:36	1494.919678	2	0	0.036245346	1813.368896	118.1556396	0.06221962	1813.464355	30.38354683

RW-7 Constant Rate Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW7_VFDSpeed	MW51C_WLD	MW51C_WLE	MW51D_DW	MW51D_WLD	MW51D_WLE	BarometricPress
14:59:36	1499.908203	2	0	0.04384613	1813.376465	118.1523666	0.065488815	1813.467651	30.38447952
15:29:36	1529.907349	2	0	0.076246262	1813.408813	118.1459274	0.071926117	1813.474121	30.38261795
15:59:36	1559.90686	2	0	0.078350067	1813.410889	118.1351776	0.082681656	1813.484863	30.38075829
16:29:36	1589.894287	2	0	0.078350067	1813.410889	118.1438217	0.07403183	1813.476196	30.38075829
16:59:37	1619.891602	2	0	0.089111328	1813.421753	118.141716	0.076137543	1813.478271	30.37889671
17:29:36	1649.875	2	0	0.088058472	1813.420654	118.1341248	0.083734512	1813.48584	30.3798275
17:59:36	1679.874512	2	0	0.082794189	1813.415405	118.139389	0.07847023	1813.480591	30.38447952
18:29:36	1709.857056	2	0	0.090396881	1813.422974	118.1361084	0.081747055	1813.483887	30.3854084
18:59:36	1739.854492	2	0	0.097997665	1813.430664	118.1285019	0.089351654	1813.491455	30.38634109
19:59:36	1799.838013	2	0	0.105838776	1813.439453	118.0936584	0.123149872	1813.526367	30.39471436
20:59:36	1859.829712	2	0	0.118003845	1813.450562	118.0998459	0.11800766	1813.520142	30.40308762
21:59:36	1919.809814	2	0	0.124782562	1813.457397	118.0800858	0.137769699	1813.539917	30.41239548
22:59:36	1979.792847	2	0	0.141040802	1813.473633	118.0811386	0.136716843	1813.538818	30.41332436
23:59:36	2039.780396	2	0	0.157302856	1813.489868	118.0562286	0.16163063	1813.563721	30.41425514
0:59:36	2099.764648	2	0	0.163854599	1813.49646	118.0540009	0.163854599	1813.56604	30.4170475
1:59:36	2159.750488	2	0	0.181041718	1813.513672	118.0454636	0.172393799	1813.574585	30.41146278
2:59:37	2219.742188	2	0	0.186306	1813.518921	118.0358734	0.181983948	1813.584106	30.40774155
3:59:36	2279.715332	2	0	0.195083618	1813.52771	118.0270996	0.190759659	1813.592896	30.41146278
4:59:36	2339.710449	2	0	0.197416306	1813.530029	118.0204315	0.197423935	1813.599609	30.4170475
5:59:37	2399.696777	2	0	0.201978683	1813.534546	118.0115433	0.206310272	1813.608398	30.42449188
6:59:37	2459.679199	2	0	0.205488205	1813.533813	118.0166931	0.201164246	1813.603271	30.43286514
7:59:45	2519.666504	2	0	0.192855835	1813.525513	118.020668	0.197187424	1813.599365	30.44403076
8:59:46	2579.649658	2	0	0.194141388	1813.526733	118.0323639	0.185489655	1813.587646	30.45147514
9:59:45	2639.631836	2	0	0.194261551	1813.526855	118.0235901	0.194261551	1813.596436	30.45519638
10:59:46	2699.621094	2	0	0.191102982	1813.523682	118.0224228	0.195430756	1813.597534	30.45705795
11:59:45	2759.597168	2	0	0.188877106	1813.521484	118.0333023	0.184555054	1813.58667	30.45519638
12:59:45	2819.588135	2	0	0.183263779	1813.515869	118.0432434	0.174613953	1813.576782	30.44868279

Report Date:	4/28/2011 15:20
Report User Name	jgadt
Report Computer	KS-FIELD2-LTP
Application:	WinSitu.exe
Application Versic	5.6.21.0

Log File Properties

File Name	MW1A_042611_RW7crate_2011-04-28_13-07-15-375.wsl
Create Date	4/28/2011 13:07

Device Properties

Device	Level TROLL 700				
Site	MW-1A				
Device Name					
Serial Number		122809			
Firmware Version		2.08			
Hardware Version		2			
Device Address		1			
Device Comm Cfg		19200	8	Even	1
Used Memory		1			
Used Battery		22			

Log Configuration

	Log Name	MW1A_042611_RW7crate
	Created By	jgadt
	Computer Name	KS-FIELD2-LTP
	Application	WinSitu.exe
	Application Version	5.6.21.0
	Create Date	4/26/2011 12:42:10 PM Central Daylight Time
	Log Setup Time Zone	Central Daylight Time
	Notes Size(bytes)	4096
	Overwrite when full	Disabled
	Scheduled Start Time	4/26/2011 2:00:00 PM Central Daylight Time
	Scheduled Stop Time	4/28/2011 2:00:00 PM Central Daylight Time
	Type	Step Test
Steps	10 (Linear)	
	Step	1
	Duration	Days: 0 hrs: 00 mins: 05 secs: 00
	Interval	Days: 0 hrs: 00 mins: 00 secs: 05
	Step	2
	Duration	Days: 0 hrs: 00 mins: 10 secs: 00
	Interval	Days: 0 hrs: 00 mins: 01 secs: 00
	Step	3
	Duration	Days: 0 hrs: 00 mins: 45 secs: 00
	Interval	Days: 0 hrs: 00 mins: 05 secs: 00
	Step	4
	Duration	Days: 0 hrs: 04 mins: 00 secs: 00

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Interval	Days: 0 hrs: 00 mins: 30 secs: 00
Step	5
Duration	Days: 0 hrs: 19 mins: 00 secs: 00
Interval	Days: 0 hrs: 01 mins: 00 secs: 00
Step	6
Duration	Days: 0 hrs: 00 mins: 05 secs: 00
Interval	Days: 0 hrs: 00 mins: 00 secs: 05
Step	7
Duration	Days: 0 hrs: 00 mins: 10 secs: 00
Interval	Days: 0 hrs: 00 mins: 01 secs: 00
Step	8
Duration	Days: 0 hrs: 00 mins: 45 secs: 00
Interval	Days: 0 hrs: 00 mins: 05 secs: 00
Step	9
Duration	Days: 0 hrs: 04 mins: 00 secs: 00
Interval	Days: 0 hrs: 00 mins: 30 secs: 00
Step	10
Duration	Days: 0 hrs: 19 mins: 00 secs: 00
Interval	Days: 0 hrs: 01 mins: 00 secs: 00

Level Reference Settings At Log Creation

Level Measurement Mode	Level Depth To Water
Specific Gravity	0.999
Level Reference Mode:	Set new reference
Level Reference Value:	0 (ft)
Level Reference Head Pressure	2.19117 (PSI)

Other Log Settings

Depth of Probe:	5.06056 (ft)
Head Pressure:	2.1917 (PSI)
Temperature:	12.4186 (C)

Log Notes:

Date and Time	Note
4/26/2011 12:42	Used Battery: 22% Used Memory: 3% User Name: jgadt
4/28/2011 13:06	Used Battery: 22% Used Memory: 3% User Name: jgadt
4/28/2011 13:06	Manual Stop Command

Log Data:

Record Count	212
Sensors	1

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1 122809 Pressure/Temp 15 PSIG (11m/35ft)

Time Zone: Central Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
4/26/2011 14:00	0	0.003	2.19
4/26/2011 14:00	5	0.002	2.19
4/26/2011 14:00	10	0.005	2.189
4/26/2011 14:00	15	0.002	2.19
4/26/2011 14:00	20	0.003	2.19
4/26/2011 14:00	25	0.003	2.19
4/26/2011 14:00	30	0.004	2.189
4/26/2011 14:00	35	0.006	2.189
4/26/2011 14:00	40	0.007	2.188
4/26/2011 14:00	45	0.008	2.188
4/26/2011 14:00	50	0.009	2.187
4/26/2011 14:00	55	0.007	2.188
4/26/2011 14:01	60	0.008	2.188
4/26/2011 14:01	65	0.005	2.189
4/26/2011 14:01	70	0.006	2.189
4/26/2011 14:01	75	0.005	2.189
4/26/2011 14:01	80	0.003	2.19
4/26/2011 14:01	85	0.004	2.19
4/26/2011 14:01	90	0.003	2.19
4/26/2011 14:01	95	0.003	2.19
4/26/2011 14:01	100	0.004	2.189
4/26/2011 14:01	105	0.005	2.189
4/26/2011 14:01	110	0.006	2.189
4/26/2011 14:01	115	0.007	2.188
4/26/2011 14:02	120	0.006	2.189
4/26/2011 14:02	125	0.007	2.188
4/26/2011 14:02	130	0.008	2.188
4/26/2011 14:02	135	0.008	2.188
4/26/2011 14:02	140	0.007	2.188
4/26/2011 14:02	145	0.009	2.187
4/26/2011 14:02	150	0.007	2.188
4/26/2011 14:02	155	0.008	2.188
4/26/2011 14:02	160	0.007	2.188
4/26/2011 14:02	165	0.007	2.188
4/26/2011 14:02	170	0.007	2.188
4/26/2011 14:02	175	0.008	2.188
4/26/2011 14:03	180	0.006	2.189
4/26/2011 14:03	185	0.005	2.189
4/26/2011 14:03	190	0.005	2.189
4/26/2011 14:03	195	0.005	2.189

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
4/26/2011 14:03	200	0.005	2.189
4/26/2011 14:03	205	0.005	2.189
4/26/2011 14:03	210	0.005	2.189
4/26/2011 14:03	215	0.005	2.189
4/26/2011 14:03	220	0.007	2.188
4/26/2011 14:03	225	0.005	2.189
4/26/2011 14:03	230	0.006	2.188
4/26/2011 14:03	235	0.004	2.189
4/26/2011 14:04	240	0.003	2.19
4/26/2011 14:04	245	0.002	2.19
4/26/2011 14:04	250	0	2.191
4/26/2011 14:04	255	0.002	2.19
4/26/2011 14:04	260	0.002	2.19
4/26/2011 14:04	265	-0.001	2.191
4/26/2011 14:04	270	0.001	2.191
4/26/2011 14:04	275	-0.002	2.192
4/26/2011 14:04	280	-0.001	2.191
4/26/2011 14:04	285	-0.001	2.191
4/26/2011 14:04	290	-0.001	2.192
4/26/2011 14:04	295	-0.001	2.192
4/26/2011 14:05	300	-0.001	2.192
4/26/2011 14:06	360	0.002	2.19
4/26/2011 14:07	420	0.003	2.19
4/26/2011 14:08	480	0.006	2.188
4/26/2011 14:09	540	0.005	2.189
4/26/2011 14:10	600	0.001	2.191
4/26/2011 14:11	660	0.007	2.188
4/26/2011 14:12	720	0.007	2.188
4/26/2011 14:13	780	0.004	2.189
4/26/2011 14:14	840	-0.002	2.192
4/26/2011 14:15	900	0.003	2.19
4/26/2011 14:20	1200	0.009	2.187
4/26/2011 14:25	1500	0.009	2.187
4/26/2011 14:30	1800	0.004	2.189
4/26/2011 14:35	2100	0.005	2.189
4/26/2011 14:40	2400	0.009	2.187
4/26/2011 14:45	2700	0.015	2.185
4/26/2011 14:50	3000	0.008	2.188
4/26/2011 14:55	3300	0.009	2.187
4/26/2011 15:00	3600	0.009	2.187
4/26/2011 15:30	5400	0	2.191
4/26/2011 16:00	7200	-0.002	2.192
4/26/2011 16:30	9000	-0.009	2.195
4/26/2011 17:00	10800	0.003	2.19
4/26/2011 17:30	12600	0.005	2.189

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
4/26/2011 18:00	14400	0.013	2.185
4/26/2011 18:30	16200	0.016	2.184
4/26/2011 19:00	18000	0.015	2.185
4/26/2011 20:00	21600	0.033	2.177
4/26/2011 21:00	25200	0.057	2.167
4/26/2011 22:00	28800	0.038	2.175
4/26/2011 23:00	32400	0.032	2.177
4/27/2011 0:00	36000	0.001	2.191
4/27/2011 1:00	39600	0.043	2.172
4/27/2011 2:00	43200	0.043	2.172
4/27/2011 3:00	46800	0.03	2.178
4/27/2011 4:00	50400	0.032	2.177
4/27/2011 5:00	54000	0.033	2.177
4/27/2011 6:00	57600	0.051	2.169
4/27/2011 7:00	61200	0.066	2.162
4/27/2011 8:00	64800	0.062	2.164
4/27/2011 9:00	68400	0.052	2.168
4/27/2011 10:00	72000	0.044	2.172
4/27/2011 11:00	75600	0.04	2.174
4/27/2011 12:00	79200	0.027	2.179
4/27/2011 13:00	82800	0.008	2.188
4/27/2011 14:00	86400	0.018	2.183
4/27/2011 14:00	86405	0.016	2.184
4/27/2011 14:00	86410	0.017	2.184
4/27/2011 14:00	86415	0.018	2.183
4/27/2011 14:00	86420	0.019	2.183
4/27/2011 14:00	86425	0.016	2.184
4/27/2011 14:00	86430	0.018	2.183
4/27/2011 14:00	86435	0.018	2.183
4/27/2011 14:00	86440	0.017	2.184
4/27/2011 14:00	86445	0.02	2.183
4/27/2011 14:00	86450	0.017	2.184
4/27/2011 14:00	86455	0.019	2.183
4/27/2011 14:01	86460	0.019	2.183
4/27/2011 14:01	86465	0.019	2.183
4/27/2011 14:01	86470	0.018	2.183
4/27/2011 14:01	86475	0.017	2.184
4/27/2011 14:01	86480	0.018	2.183
4/27/2011 14:01	86485	0.018	2.183
4/27/2011 14:01	86490	0.017	2.184
4/27/2011 14:01	86495	0.018	2.183
4/27/2011 14:01	86500	0.021	2.182
4/27/2011 14:01	86505	0.019	2.183
4/27/2011 14:01	86510	0.02	2.183
4/27/2011 14:01	86515	0.019	2.183

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
4/27/2011 14:02	86520	0.016	2.184
4/27/2011 14:02	86525	0.018	2.184
4/27/2011 14:02	86530	0.019	2.183
4/27/2011 14:02	86535	0.02	2.183
4/27/2011 14:02	86540	0.019	2.183
4/27/2011 14:02	86545	0.023	2.181
4/27/2011 14:02	86550	0.021	2.182
4/27/2011 14:02	86555	0.021	2.182
4/27/2011 14:02	86560	0.02	2.183
4/27/2011 14:02	86565	0.019	2.183
4/27/2011 14:02	86570	0.021	2.182
4/27/2011 14:02	86575	0.023	2.181
4/27/2011 14:03	86580	0.02	2.182
4/27/2011 14:03	86585	0.019	2.183
4/27/2011 14:03	86590	0.02	2.183
4/27/2011 14:03	86595	0.022	2.182
4/27/2011 14:03	86600	0.022	2.182
4/27/2011 14:03	86605	0.02	2.182
4/27/2011 14:03	86610	0.021	2.182
4/27/2011 14:03	86615	0.018	2.183
4/27/2011 14:03	86620	0.021	2.182
4/27/2011 14:03	86625	0.019	2.183
4/27/2011 14:03	86630	0.02	2.183
4/27/2011 14:03	86635	0.02	2.182
4/27/2011 14:04	86640	0.019	2.183
4/27/2011 14:04	86645	0.02	2.183
4/27/2011 14:04	86650	0.021	2.182
4/27/2011 14:04	86655	0.021	2.182
4/27/2011 14:04	86660	0.022	2.182
4/27/2011 14:04	86665	0.021	2.182
4/27/2011 14:04	86670	0.02	2.182
4/27/2011 14:04	86675	0.019	2.183
4/27/2011 14:04	86680	0.018	2.183
4/27/2011 14:04	86685	0.019	2.183
4/27/2011 14:04	86690	0.018	2.184
4/27/2011 14:04	86695	0.019	2.183
4/27/2011 14:05	86700	0.02	2.183
4/27/2011 14:06	86760	0.022	2.182
4/27/2011 14:07	86820	0.02	2.182
4/27/2011 14:08	86880	0.021	2.182
4/27/2011 14:09	86940	0.025	2.18
4/27/2011 14:10	87000	0.019	2.183
4/27/2011 14:11	87060	0.023	2.181
4/27/2011 14:12	87120	0.021	2.182
4/27/2011 14:13	87180	0.019	2.183

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
4/27/2011 14:14	87240	0.017	2.184
4/27/2011 14:15	87300	0.018	2.183
4/27/2011 14:20	87600	0.014	2.185
4/27/2011 14:25	87900	0.02	2.182
4/27/2011 14:30	88200	0.028	2.179
4/27/2011 14:35	88500	0.034	2.177
4/27/2011 14:40	88800	0.029	2.179
4/27/2011 14:45	89100	0.032	2.177
4/27/2011 14:50	89400	0.032	2.177
4/27/2011 14:55	89700	0.029	2.178
4/27/2011 15:00	90000	0.028	2.179
4/27/2011 15:30	91800	0.021	2.182
4/27/2011 16:00	93600	0.016	2.184
4/27/2011 16:30	95400	0.011	2.187
4/27/2011 17:00	97200	0.008	2.188
4/27/2011 17:30	99000	0.011	2.187
4/27/2011 18:00	100800	0.016	2.184
4/27/2011 18:30	102600	0.019	2.183
4/27/2011 19:00	104400	0.018	2.183
4/27/2011 20:00	108000	0.028	2.179
4/27/2011 21:00	111600	0.043	2.173
4/27/2011 22:00	115200	0.049	2.17
4/27/2011 23:00	118800	0.033	2.177
4/28/2011 0:00	122400	0.028	2.179
4/28/2011 1:00	126000	0.023	2.181
4/28/2011 2:00	129600	0.004	2.189
4/28/2011 3:00	133200	-0.004	2.193
4/28/2011 4:00	136800	0.004	2.189
4/28/2011 5:00	140400	0.018	2.183
4/28/2011 6:00	144000	0.029	2.178
4/28/2011 7:00	147600	0.039	2.174
4/28/2011 8:00	151200	0.042	2.173
4/28/2011 9:00	154800	0.039	2.174
4/28/2011 10:00	158400	0.031	2.178
4/28/2011 11:00	162000	0.026	2.18
4/28/2011 12:00	165600	0.012	2.186
4/28/2011 13:00	169200	-0.013	2.197

US EPA ARCHIVE DOCUMENT

Report Date:	4/28/2011 15:27
Report User Nam	jgadt
Report Computer	KS-FIELD2-LTP
Application:	WinSitu.exe
Application Versi	5.6.21.0

Log File Properties

File Name	MW13C_042611_RW7crate_Append_2011-04-28_15-09-15-296.wsl
Create Date	4/28/2011 15:09

Device Properties

Device	Level TROLL 700				
Site	MW-13C				
Device Name					
Serial Number		169837			
Firmware Version		2.08			
Hardware Versior		3			
Device Address		1			
Device Comm Cfg		19200	8	Even	1
Used Memory		1			
Used Battery		3			

Log Configuration

	Log Name	MW13C_042611_RW7crate
	Created By	jgadt
	Computer Name	KS-FIELD2-LTP
	Application	WinSitu.exe
	Application Version	5.6.21.0
	Create Date	4/26/2011 12:03:38 PM Central Daylight Time
	Log Setup Time Zone	Central Daylight Time
	Notes Size(bytes)	4096
	Overwrite when full	Disabled
	Scheduled Start Time	4/26/2011 2:00:00 PM Central Daylight Time
	Scheduled Stop Time	4/28/2011 2:00:00 PM Central Daylight Time
	Type	Step Test
Steps	10 (Linear)	
	Step	1
	Duration	Days: 0 hrs: 00 mins: 05 secs: 00
	Interval	Days: 0 hrs: 00 mins: 00 secs: 05
	Step	2
	Duration	Days: 0 hrs: 00 mins: 10 secs: 00
	Interval	Days: 0 hrs: 00 mins: 01 secs: 00
	Step	3
	Duration	Days: 0 hrs: 00 mins: 45 secs: 00
	Interval	Days: 0 hrs: 00 mins: 05 secs: 00
	Step	4
	Duration	Days: 0 hrs: 04 mins: 00 secs: 00

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Interval	Days: 0 hrs: 00 mins: 30 secs: 00
Step	5
Duration	Days: 0 hrs: 19 mins: 00 secs: 00
Interval	Days: 0 hrs: 01 mins: 00 secs: 00
Step	6
Duration	Days: 0 hrs: 00 mins: 05 secs: 00
Interval	Days: 0 hrs: 00 mins: 00 secs: 05
Step	7
Duration	Days: 0 hrs: 00 mins: 10 secs: 00
Interval	Days: 0 hrs: 00 mins: 01 secs: 00
Step	8
Duration	Days: 0 hrs: 00 mins: 45 secs: 00
Interval	Days: 0 hrs: 00 mins: 05 secs: 00
Step	9
Duration	Days: 0 hrs: 04 mins: 00 secs: 00
Interval	Days: 0 hrs: 00 mins: 30 secs: 00
Step	10
Duration	Days: 0 hrs: 19 mins: 00 secs: 00
Interval	Days: 0 hrs: 01 mins: 00 secs: 00

Level Reference Settings At Log Creation

Level Measurement Mode	Level Depth To Water
Specific Gravity	0.999
Level Reference Mode:	Set new reference
Level Reference Value:	0 (ft)
Level Reference Head Pressure	3.88426 (PSI)

Other Log Settings

Depth of Probe:	8.98657 (ft)
Head Pressure:	3.89203 (PSI)
Temperature:	13.1952 (C)

Log Notes:

Date and Time	Note
4/26/2011 12:03	Used Battery: 3% Used Memory: 1% User Name: jgadt
4/27/2011 13:42	Log Download - Used Battery: 3% Used Memory: 1% User Name: jgadt
4/27/2011 14:52	Log Download - Used Battery: 3% Used Memory: 1% User Name: jgadt

Log Data:

Record Count	213
Sensors	1

US EPA ARCHIVE DOCUMENT

1 169837 Pressure/Temp 15 PSIG (11m/35ft)

Time Zone: Central Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 169837 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 169837 Pressure (PSI)
4/26/2011 14:00	0	-0.609	4.148
4/26/2011 14:00	5	-0.606	4.147
4/26/2011 14:00	10	-0.607	4.147
4/26/2011 14:00	15	-0.606	4.147
4/26/2011 14:00	20	-0.602	4.145
4/26/2011 14:00	25	-0.597	4.143
4/26/2011 14:00	30	-0.589	4.139
4/26/2011 14:00	35	-0.581	4.136
4/26/2011 14:00	40	-0.571	4.131
4/26/2011 14:00	45	-0.561	4.127
4/26/2011 14:00	50	-0.549	4.122
4/26/2011 14:00	55	-0.538	4.117
4/26/2011 14:01	60	-0.526	4.112
4/26/2011 14:01	65	-0.514	4.107
4/26/2011 14:01	70	-0.502	4.102
4/26/2011 14:01	75	-0.49	4.096
4/26/2011 14:01	80	-0.477	4.091
4/26/2011 14:01	85	-0.467	4.086
4/26/2011 14:01	90	-0.454	4.081
4/26/2011 14:01	95	-0.443	4.076
4/26/2011 14:01	100	-0.432	4.071
4/26/2011 14:01	105	-0.416	4.065
4/26/2011 14:01	110	-0.408	4.061
4/26/2011 14:01	115	-0.399	4.057
4/26/2011 14:02	120	-0.39	4.053
4/26/2011 14:02	125	-0.381	4.049
4/26/2011 14:02	130	-0.371	4.045
4/26/2011 14:02	135	-0.359	4.04
4/26/2011 14:02	140	-0.351	4.036
4/26/2011 14:02	145	-0.343	4.033
4/26/2011 14:02	150	-0.334	4.029
4/26/2011 14:02	155	-0.327	4.026
4/26/2011 14:02	160	-0.321	4.023
4/26/2011 14:02	165	-0.312	4.019
4/26/2011 14:02	170	-0.305	4.016
4/26/2011 14:02	175	-0.295	4.012
4/26/2011 14:03	180	-0.287	4.008
4/26/2011 14:03	185	-0.281	4.006
4/26/2011 14:03	190	-0.271	4.002
4/26/2011 14:03	195	-0.262	3.998

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 169837 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 169837 Pressure (PSI)
4/26/2011 14:03	200	-0.254	3.994
4/26/2011 14:03	205	-0.246	3.991
4/26/2011 14:03	210	-0.24	3.988
4/26/2011 14:03	215	-0.232	3.985
4/26/2011 14:03	220	-0.225	3.982
4/26/2011 14:03	225	-0.219	3.979
4/26/2011 14:03	230	-0.212	3.976
4/26/2011 14:03	235	-0.206	3.974
4/26/2011 14:04	240	-0.2	3.971
4/26/2011 14:04	245	-0.194	3.968
4/26/2011 14:04	250	-0.187	3.965
4/26/2011 14:04	255	-0.181	3.963
4/26/2011 14:04	260	-0.176	3.961
4/26/2011 14:04	265	-0.172	3.959
4/26/2011 14:04	270	-0.168	3.957
4/26/2011 14:04	275	-0.163	3.955
4/26/2011 14:04	280	-0.161	3.954
4/26/2011 14:04	285	-0.157	3.952
4/26/2011 14:04	290	-0.152	3.95
4/26/2011 14:04	295	-0.148	3.949
4/26/2011 14:05	300	-0.146	3.947
4/26/2011 14:06	360	-0.095	3.926
4/26/2011 14:07	420	-0.047	3.905
4/26/2011 14:08	480	-0.01	3.888
4/26/2011 14:09	540	0.024	3.874
4/26/2011 14:10	600	0.049	3.863
4/26/2011 14:11	660	0.08	3.849
4/26/2011 14:12	720	0.095	3.843
4/26/2011 14:13	780	0.119	3.833
4/26/2011 14:14	840	0.131	3.827
4/26/2011 14:15	900	0.154	3.818
4/26/2011 14:20	1200	0.221	3.789
4/26/2011 14:25	1500	0.262	3.771
4/26/2011 14:30	1800	0.287	3.76
4/26/2011 14:35	2100	0.309	3.75
4/26/2011 14:40	2400	0.327	3.742
4/26/2011 14:45	2700	0.339	3.738
4/26/2011 14:50	3000	0.346	3.735
4/26/2011 14:55	3300	0.357	3.73
4/26/2011 15:00	3600	0.362	3.728
4/26/2011 15:30	5400	0.385	3.718
4/26/2011 16:00	7200	0.394	3.714
4/26/2011 16:30	9000	0.394	3.714
4/26/2011 17:00	10800	0.404	3.709
4/26/2011 17:30	12600	0.407	3.708

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 169837 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 169837 Pressure (PSI)
4/26/2011 18:00	14400	0.416	3.704
4/26/2011 18:30	16200	0.416	3.704
4/26/2011 19:00	18000	0.417	3.704
4/26/2011 20:00	21600	0.435	3.696
4/26/2011 21:00	25200	0.446	3.691
4/26/2011 22:00	28800	0.429	3.698
4/26/2011 23:00	32400	0.426	3.7
4/27/2011 0:00	36000	0.394	3.714
4/27/2011 1:00	39600	0.415	3.705
4/27/2011 2:00	43200	0.412	3.706
4/27/2011 3:00	46800	0.409	3.707
4/27/2011 4:00	50400	0.413	3.706
4/27/2011 5:00	54000	0.412	3.706
4/27/2011 6:00	57600	0.426	3.7
4/27/2011 7:00	61200	0.444	3.692
4/27/2011 8:00	64800	0.459	3.686
4/27/2011 9:00	68400	0.469	3.681
4/27/2011 10:00	72000	0.485	3.674
4/27/2011 11:00	75600	0.486	3.674
4/27/2011 12:00	79200	0.478	3.677
4/27/2011 13:00	82800	0.466	3.682
4/27/2011 14:00	86400	0.466	3.682
4/27/2011 14:00	86405	0.467	3.682
4/27/2011 14:00	86410	0.464	3.683
4/27/2011 14:00	86415	0.464	3.683
4/27/2011 14:00	86420	0.464	3.683
4/27/2011 14:00	86425	0.469	3.681
4/27/2011 14:00	86430	0.461	3.684
4/27/2011 14:00	86435	0.463	3.684
4/27/2011 14:00	86440	0.467	3.682
4/27/2011 14:00	86445	0.465	3.683
4/27/2011 14:00	86450	0.461	3.685
4/27/2011 14:00	86455	0.458	3.686
4/27/2011 14:01	86460	0.454	3.688
4/27/2011 14:01	86465	0.449	3.69
4/27/2011 14:01	86470	0.444	3.692
4/27/2011 14:01	86475	0.439	3.694
4/27/2011 14:01	86480	0.434	3.696
4/27/2011 14:01	86485	0.421	3.702
4/27/2011 14:01	86490	0.421	3.702
4/27/2011 14:01	86495	0.408	3.707
4/27/2011 14:01	86500	0.397	3.712
4/27/2011 14:01	86505	0.39	3.715
4/27/2011 14:01	86510	0.383	3.718
4/27/2011 14:01	86515	0.373	3.723

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 169837 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 169837 Pressure (PSI)
4/27/2011 14:02	86520	0.363	3.727
4/27/2011 14:02	86525	0.352	3.732
4/27/2011 14:02	86530	0.344	3.735
4/27/2011 14:02	86535	0.334	3.739
4/27/2011 14:02	86540	0.324	3.744
4/27/2011 14:02	86545	0.314	3.748
4/27/2011 14:02	86550	0.309	3.751
4/27/2011 14:02	86555	0.297	3.755
4/27/2011 14:02	86560	0.287	3.76
4/27/2011 14:02	86565	0.28	3.763
4/27/2011 14:02	86570	0.27	3.767
4/27/2011 14:02	86575	0.261	3.771
4/27/2011 14:03	86580	0.252	3.775
4/27/2011 14:03	86585	0.24	3.78
4/27/2011 14:03	86590	0.232	3.784
4/27/2011 14:03	86595	0.224	3.787
4/27/2011 14:03	86600	0.215	3.791
4/27/2011 14:03	86605	0.207	3.795
4/27/2011 14:03	86610	0.2	3.798
4/27/2011 14:03	86615	0.192	3.801
4/27/2011 14:03	86620	0.185	3.804
4/27/2011 14:03	86625	0.18	3.806
4/27/2011 14:03	86630	0.171	3.81
4/27/2011 14:03	86635	0.159	3.815
4/27/2011 14:04	86640	0.153	3.818
4/27/2011 14:04	86645	0.146	3.821
4/27/2011 14:04	86650	0.139	3.824
4/27/2011 14:04	86655	0.129	3.828
4/27/2011 14:04	86660	0.124	3.83
4/27/2011 14:04	86665	0.115	3.834
4/27/2011 14:04	86670	0.111	3.836
4/27/2011 14:04	86675	0.104	3.839
4/27/2011 14:04	86680	0.105	3.839
4/27/2011 14:04	86685	0.089	3.846
4/27/2011 14:04	86690	0.084	3.848
4/27/2011 14:04	86695	0.078	3.85
4/27/2011 14:05	86700	0.073	3.853
4/27/2011 14:06	86760	0.012	3.879
4/27/2011 14:07	86820	-0.041	3.902
4/27/2011 14:08	86880	-0.087	3.922
4/27/2011 14:09	86940	-0.126	3.939
4/27/2011 14:10	87000	-0.156	3.952
4/27/2011 14:11	87060	-0.189	3.966
4/27/2011 14:12	87120	-0.212	3.976
4/27/2011 14:13	87180	-0.236	3.986

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 169837 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 169837 Pressure (PSI)
4/27/2011 14:14	87240	-0.257	3.996
4/27/2011 14:15	87300	-0.275	4.004
4/27/2011 14:20	87600	-0.345	4.034
4/27/2011 14:25	87900	-0.387	4.052
4/27/2011 14:30	88200	-0.411	4.062
4/27/2011 14:35	88500	-0.437	4.073
4/27/2011 14:40	88800	-0.453	4.08
4/27/2011 14:45	89100	-0.467	4.087
4/27/2011 14:50	89400	-0.476	4.09
4/27/2011 14:55	89700	-0.492	4.097
4/27/2011 15:00	90000	-0.494	4.098
4/27/2011 15:30	91800	-0.513	4.106
4/27/2011 16:00	93600	-0.525	4.111
4/27/2011 16:30	95400	-0.531	4.114
4/27/2011 17:00	97200	-0.535	4.116
4/27/2011 17:30	99000	-0.53	4.114
4/27/2011 18:00	100800	-0.521	4.11
4/27/2011 18:30	102600	-0.522	4.11
4/27/2011 19:00	104400	-0.528	4.113
4/27/2011 20:00	108000	-0.531	4.114
4/27/2011 21:00	111600	-0.529	4.114
4/27/2011 22:00	115200	-0.525	4.112
4/27/2011 23:00	118800	-0.534	4.115
4/28/2011 0:00	122400	-0.541	4.118
4/28/2011 1:00	126000	-0.548	4.122
4/28/2011 2:00	129600	-0.565	4.129
4/28/2011 3:00	133200	-0.576	4.134
4/28/2011 4:00	136800	-0.581	4.136
4/28/2011 5:00	140400	-0.574	4.133
4/28/2011 6:00	144000	-0.566	4.129
4/28/2011 7:00	147600	-0.555	4.125
4/28/2011 8:00	151200	-0.549	4.122
4/28/2011 9:00	154800	-0.544	4.12
4/28/2011 10:00	158400	-0.549	4.122
4/28/2011 11:00	162000	-0.549	4.122
4/28/2011 12:00	165600	-0.543	4.12
4/28/2011 13:00	169200	-0.554	4.124
4/28/2011 14:00	172800	-0.56	4.127

US EPA ARCHIVE DOCUMENT

Report Date:	4/28/2011 15:27
Report User Nam	jgadt
Report Computer	KS-FIELD2-LTP
Application:	WinSitu.exe
Application Versi	5.6.21.0

Log File Properties

File Name	MW13E_042611_RW7crate_Append_2011-04-28_15-11-02-562.wsl
Create Date	4/28/2011 15:11

Device Properties

Device	Level TROLL 700				
Site	MW-13E				
Device Name					
Serial Number		151736			
Firmware Version		2.08			
Hardware Versior		3			
Device Address		1			
Device Comm Cfg		19200	8	Even	1
Used Memory		1			
Used Battery		10			

Log Configuration

	Log Name	MW13E_042611_RW7crate
	Created By	jgadt
	Computer Name	KS-FIELD2-LTP
	Application	WinSitu.exe
	Application Version	5.6.21.0
	Create Date	4/26/2011 2:33:20 PM Central Daylight Time
	Log Setup Time Zone	Central Daylight Time
	Notes Size(bytes)	4096
	Overwrite when full	Disabled
	Scheduled Start Time	4/26/2011 2:34:00 PM Central Daylight Time
	Scheduled Stop Time	4/28/2011 2:34:00 PM Central Daylight Time
	Type	Step Test
Steps	10 (Linear)	
	Step	1
	Duration	Days: 0 hrs: 00 mins: 05 secs: 00
	Interval	Days: 0 hrs: 00 mins: 00 secs: 05
	Step	2
	Duration	Days: 0 hrs: 00 mins: 10 secs: 00
	Interval	Days: 0 hrs: 00 mins: 01 secs: 00
	Step	3
	Duration	Days: 0 hrs: 00 mins: 45 secs: 00
	Interval	Days: 0 hrs: 00 mins: 05 secs: 00
	Step	4
	Duration	Days: 0 hrs: 04 mins: 00 secs: 00

US EPA ARCHIVE DOCUMENT

Interval	Days: 0 hrs: 00 mins: 30 secs: 00
Step	5
Duration	Days: 0 hrs: 19 mins: 00 secs: 00
Interval	Days: 0 hrs: 01 mins: 00 secs: 00
Step	6
Duration	Days: 0 hrs: 00 mins: 05 secs: 00
Interval	Days: 0 hrs: 00 mins: 00 secs: 05
Step	7
Duration	Days: 0 hrs: 00 mins: 10 secs: 00
Interval	Days: 0 hrs: 00 mins: 01 secs: 00
Step	8
Duration	Days: 0 hrs: 00 mins: 45 secs: 00
Interval	Days: 0 hrs: 00 mins: 05 secs: 00
Step	9
Duration	Days: 0 hrs: 04 mins: 00 secs: 00
Interval	Days: 0 hrs: 00 mins: 30 secs: 00
Step	10
Duration	Days: 0 hrs: 19 mins: 00 secs: 00
Interval	Days: 0 hrs: 01 mins: 00 secs: 00

Level Reference Settings At Log Creation

Level Measurement Mode	Level Depth To Water
Specific Gravity	0.999
Level Reference Mode:	Set new reference
Level Reference Value:	0 (ft)
Level Reference Head Pressure	5.22066 (PSI)

Other Log Settings

Depth of Probe:	12.0551 (ft)
Head Pressure:	5.22097 (PSI)
Temperature:	12.7266 (C)

Log Notes:

Date and Time	Note
4/26/2011 14:33	Used Battery: 10% Used Memory: 1% User Name: jgadt
4/27/2011 13:38	Log Download - Used Battery: 10% Used Memory: 1% User Name: jgadt

Log Data:

Record Count	213
Sensors	1

US EPA ARCHIVE DOCUMENT

1 151736 Pressure/Temp 15 PSIG (11m/35ft)

Time Zone: Central Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 151736 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 151736 Pressure (PSI)
4/26/2011 14:34	0	-0.009	5.224
4/26/2011 14:34	5.001	-0.005	5.223
4/26/2011 14:34	10.001	-0.006	5.223
4/26/2011 14:34	15.001	-0.003	5.222
4/26/2011 14:34	20.001	-0.002	5.222
4/26/2011 14:34	25.001	-0.003	5.222
4/26/2011 14:34	30.001	-0.001	5.221
4/26/2011 14:34	35.001	0.002	5.22
4/26/2011 14:34	40.001	0	5.221
4/26/2011 14:34	45.001	0.001	5.22
4/26/2011 14:34	50.001	0	5.221
4/26/2011 14:34	55.001	0.001	5.22
4/26/2011 14:35	60.001	0	5.221
4/26/2011 14:35	65.001	-0.002	5.222
4/26/2011 14:35	70.001	-0.002	5.222
4/26/2011 14:35	75.001	0	5.221
4/26/2011 14:35	80.001	0.003	5.219
4/26/2011 14:35	85.001	-0.002	5.222
4/26/2011 14:35	90.001	-0.001	5.221
4/26/2011 14:35	95.001	-0.003	5.222
4/26/2011 14:35	100.001	-0.002	5.221
4/26/2011 14:35	105.001	-0.003	5.222
4/26/2011 14:35	110.001	-0.001	5.221
4/26/2011 14:35	115.001	-0.002	5.222
4/26/2011 14:36	120.001	-0.003	5.222
4/26/2011 14:36	125.001	-0.002	5.222
4/26/2011 14:36	130.001	-0.007	5.224
4/26/2011 14:36	135.001	-0.002	5.222
4/26/2011 14:36	140.001	-0.006	5.223
4/26/2011 14:36	145.001	-0.005	5.223
4/26/2011 14:36	150.001	-0.004	5.222
4/26/2011 14:36	155.001	-0.003	5.222
4/26/2011 14:36	160.001	-0.002	5.221
4/26/2011 14:36	165.001	-0.005	5.223
4/26/2011 14:36	170.001	-0.003	5.222
4/26/2011 14:36	175.001	-0.004	5.222
4/26/2011 14:37	180.001	-0.004	5.223
4/26/2011 14:37	185.001	-0.005	5.223
4/26/2011 14:37	190.001	-0.003	5.222
4/26/2011 14:37	195.001	-0.003	5.222
4/26/2011 14:37	200.001	-0.003	5.222

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 151736 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 151736 Pressure (PSI)
4/26/2011 14:37	205.001	-0.004	5.222
4/26/2011 14:37	210.001	-0.005	5.223
4/26/2011 14:37	215.001	-0.003	5.222
4/26/2011 14:37	220.001	-0.003	5.222
4/26/2011 14:37	225.001	-0.005	5.223
4/26/2011 14:37	230.001	-0.006	5.223
4/26/2011 14:37	235.001	-0.005	5.223
4/26/2011 14:38	240.001	-0.002	5.221
4/26/2011 14:38	245.001	-0.002	5.222
4/26/2011 14:38	250.001	-0.003	5.222
4/26/2011 14:38	255.001	-0.003	5.222
4/26/2011 14:38	260.001	-0.002	5.222
4/26/2011 14:38	265.001	-0.002	5.221
4/26/2011 14:38	270.001	-0.002	5.222
4/26/2011 14:38	275.001	-0.003	5.222
4/26/2011 14:38	280.001	-0.003	5.222
4/26/2011 14:38	285.001	-0.003	5.222
4/26/2011 14:38	290.001	0	5.221
4/26/2011 14:38	295.001	-0.003	5.222
4/26/2011 14:39	300.001	-0.003	5.222
4/26/2011 14:40	360.001	0	5.22
4/26/2011 14:41	420.001	0.009	5.217
4/26/2011 14:42	480.001	0.005	5.219
4/26/2011 14:43	540.001	0.01	5.216
4/26/2011 14:44	600.001	0.009	5.217
4/26/2011 14:45	660.001	0.01	5.216
4/26/2011 14:46	720.001	0.009	5.217
4/26/2011 14:47	780.001	0.015	5.214
4/26/2011 14:48	840.001	0.014	5.215
4/26/2011 14:49	900.001	0.007	5.217
4/26/2011 14:54	1200.001	0.002	5.22
4/26/2011 14:59	1500.001	-0.006	5.223
4/26/2011 15:04	1800.001	-0.01	5.225
4/26/2011 15:09	2100.001	-0.004	5.222
4/26/2011 15:14	2400.001	0.029	5.208
4/26/2011 15:19	2700.001	0.013	5.215
4/26/2011 15:24	3000.001	0.018	5.213
4/26/2011 15:29	3300.001	0.011	5.216
4/26/2011 15:34	3600.001	0.011	5.216
4/26/2011 16:04	5400.001	0.028	5.209
4/26/2011 16:34	7200.001	0.019	5.212
4/26/2011 17:04	9000.001	0.018	5.213
4/26/2011 17:34	10800.001	0.027	5.209
4/26/2011 18:04	12600.001	0.044	5.202
4/26/2011 18:34	14400.001	0.036	5.205

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 151736 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 151736 Pressure (PSI)
4/26/2011 19:04	16200.001	0.015	5.214
4/26/2011 19:34	18000.001	-0.007	5.224
4/26/2011 20:34	21600.001	-0.036	5.236
4/26/2011 21:34	25200.001	-0.055	5.245
4/26/2011 22:34	28800.001	-0.077	5.254
4/26/2011 23:34	32400.001	-0.097	5.263
4/27/2011 0:34	36000.001	-0.116	5.271
4/27/2011 1:34	39600.001	-0.139	5.281
4/27/2011 2:34	43200.001	-0.142	5.282
4/27/2011 3:34	46800.001	-0.141	5.282
4/27/2011 4:34	50400.001	-0.166	5.293
4/27/2011 5:34	54000.001	-0.184	5.301
4/27/2011 6:34	57600.001	-0.181	5.299
4/27/2011 7:34	61200.001	-0.183	5.3
4/27/2011 8:34	64800.001	-0.022	5.23
4/27/2011 9:34	68400.001	0.025	5.21
4/27/2011 10:34	72000.001	0.045	5.201
4/27/2011 11:34	75600.001	0.078	5.187
4/27/2011 12:34	79200.001	0.107	5.174
4/27/2011 13:34	82800.001	0.149	5.156
4/27/2011 14:34	86400.001	0.038	5.204
4/27/2011 14:34	86405.001	0.041	5.203
4/27/2011 14:34	86410.001	0.037	5.205
4/27/2011 14:34	86415.001	0.039	5.204
4/27/2011 14:34	86420.001	0.041	5.203
4/27/2011 14:34	86425.001	0.037	5.205
4/27/2011 14:34	86430.001	0.038	5.204
4/27/2011 14:34	86435.001	0.037	5.205
4/27/2011 14:34	86440.001	0.036	5.205
4/27/2011 14:34	86445.001	0.039	5.204
4/27/2011 14:34	86450.001	0.039	5.204
4/27/2011 14:34	86455.001	0.042	5.202
4/27/2011 14:35	86460.001	0.032	5.207
4/27/2011 14:35	86465.001	0.036	5.205
4/27/2011 14:35	86470.001	0.036	5.205
4/27/2011 14:35	86475.001	0.037	5.204
4/27/2011 14:35	86480.001	0.034	5.206
4/27/2011 14:35	86485.001	0.04	5.204
4/27/2011 14:35	86490.001	0.035	5.205
4/27/2011 14:35	86495.001	0.038	5.204
4/27/2011 14:35	86500.001	0.035	5.205
4/27/2011 14:35	86505.001	0.039	5.204
4/27/2011 14:35	86510.001	0.039	5.204
4/27/2011 14:35	86515.001	0.037	5.205
4/27/2011 14:36	86520.001	0.033	5.206

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 151736 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 151736 Pressure (PSI)
4/27/2011 14:36	86525.001	0.037	5.204
4/27/2011 14:36	86530.001	0.037	5.205
4/27/2011 14:36	86535.001	0.041	5.203
4/27/2011 14:36	86540.001	0.036	5.205
4/27/2011 14:36	86545.001	0.036	5.205
4/27/2011 14:36	86550.001	0.043	5.202
4/27/2011 14:36	86555.001	0.039	5.204
4/27/2011 14:36	86560.001	0.032	5.207
4/27/2011 14:36	86565.001	0.033	5.206
4/27/2011 14:36	86570.001	0.036	5.205
4/27/2011 14:36	86575.001	0.04	5.204
4/27/2011 14:37	86580.001	0.041	5.203
4/27/2011 14:37	86585.001	0.036	5.205
4/27/2011 14:37	86590.001	0.037	5.205
4/27/2011 14:37	86595.001	0.039	5.204
4/27/2011 14:37	86600.001	0.034	5.206
4/27/2011 14:37	86605.001	0.039	5.204
4/27/2011 14:37	86610.001	0.036	5.205
4/27/2011 14:37	86615.001	0.039	5.204
4/27/2011 14:37	86620.001	0.03	5.208
4/27/2011 14:37	86625.001	0.036	5.205
4/27/2011 14:37	86630.001	0.033	5.206
4/27/2011 14:37	86635.001	0.027	5.209
4/27/2011 14:38	86640.001	0.035	5.205
4/27/2011 14:38	86645.001	0.031	5.207
4/27/2011 14:38	86650.001	0.035	5.206
4/27/2011 14:38	86655.001	0.032	5.207
4/27/2011 14:38	86660.001	0.039	5.204
4/27/2011 14:38	86665.001	0.028	5.208
4/27/2011 14:38	86670.001	0.035	5.206
4/27/2011 14:38	86675.001	0.039	5.204
4/27/2011 14:38	86680.001	0.037	5.205
4/27/2011 14:38	86685.001	0.03	5.208
4/27/2011 14:38	86690.001	0.033	5.206
4/27/2011 14:38	86695.001	0.033	5.206
4/27/2011 14:39	86700.001	0.033	5.206
4/27/2011 14:40	86760.001	0.033	5.206
4/27/2011 14:41	86820.001	0.03	5.208
4/27/2011 14:42	86880.001	0.031	5.207
4/27/2011 14:43	86940.001	0.029	5.208
4/27/2011 14:44	87000.001	0.029	5.208
4/27/2011 14:45	87060.001	0.032	5.207
4/27/2011 14:46	87120.001	0.039	5.204
4/27/2011 14:47	87180.001	0.036	5.205
4/27/2011 14:48	87240.001	0.036	5.205

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 151736 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 151736 Pressure (PSI)
4/27/2011 14:49	87300.001	0.041	5.203
4/27/2011 14:54	87600.001	0.052	5.198
4/27/2011 14:59	87900.001	0.054	5.197
4/27/2011 15:04	88200.001	0.074	5.189
4/27/2011 15:09	88500.001	0.072	5.19
4/27/2011 15:14	88800.001	0.047	5.2
4/27/2011 15:19	89100.001	0.033	5.207
4/27/2011 15:24	89400.001	0.031	5.207
4/27/2011 15:29	89700.001	0.032	5.207
4/27/2011 15:34	90000.001	0.035	5.206
4/27/2011 16:04	91800.001	0.059	5.195
4/27/2011 16:34	93600.001	0.051	5.199
4/27/2011 17:04	95400.001	0.079	5.186
4/27/2011 17:34	97200.001	0.063	5.193
4/27/2011 18:04	99000.001	0.058	5.195
4/27/2011 18:34	100800.001	0.054	5.197
4/27/2011 19:04	102600.001	0.035	5.206
4/27/2011 19:34	104400.001	0.017	5.213
4/27/2011 20:34	108000.001	0.004	5.219
4/27/2011 21:34	111600.001	0.005	5.219
4/27/2011 22:34	115200.001	-0.01	5.225
4/27/2011 23:34	118800.001	-0.03	5.234
4/28/2011 0:34	122400.001	-0.017	5.228
4/28/2011 1:34	126000.001	-0.026	5.232
4/28/2011 2:34	129600.001	-0.032	5.235
4/28/2011 3:34	133200.001	-0.046	5.241
4/28/2011 4:34	136800.001	-0.051	5.243
4/28/2011 5:34	140400.001	-0.055	5.244
4/28/2011 6:34	144000.001	-0.055	5.245
4/28/2011 7:34	147600.001	-0.048	5.241
4/28/2011 8:34	151200.001	-0.037	5.237
4/28/2011 9:34	154800.001	-0.015	5.227
4/28/2011 10:34	158400.001	-0.008	5.224
4/28/2011 11:34	162000.001	0.007	5.218
4/28/2011 12:34	165600.001	0.04	5.203
4/28/2011 13:34	169200.001	0.066	5.192
4/28/2011 14:34	172800.001	0.069	5.191

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Report Date:	4/28/2011 15:26
Report User Nam	jgadt
Report Computer	KS-FIELD2-LTP
Application:	WinSitu.exe
Application Versi	5.6.21.0

Log File Properties

File Name	MW6D_042611_RW7crate_2011-04-28_13-17-12-703.wsl
Create Date	4/28/2011 13:16

Device Properties

Device	Level TROLL 700				
Site	MW-6D				
Device Name					
Serial Number		163722			
Firmware Version		2.08			
Hardware Versior		3			
Device Address		1			
Device Comm Cfg		19200	8	Even	1
Used Memory		1			
Used Battery		10			

Log Configuration

	Log Name	MW6D_042611_RW7crate
	Created By	jgadt
	Computer Name	KS-FIELD2-LTP
	Application	WinSitu.exe
	Application Version	5.6.21.0
	Create Date	4/26/2011 12:29:45 PM Central Daylight Time
	Log Setup Time Zone	Central Daylight Time
	Notes Size(bytes)	4096
	Overwrite when full	Disabled
	Scheduled Start Time	4/26/2011 2:00:00 PM Central Daylight Time
	Scheduled Stop Time	4/28/2011 2:00:00 PM Central Daylight Time
	Type	Step Test
Steps	10 (Linear)	
	Step	1
	Duration	Days: 0 hrs: 00 mins: 05 secs: 00
	Interval	Days: 0 hrs: 00 mins: 00 secs: 05
	Step	2
	Duration	Days: 0 hrs: 00 mins: 10 secs: 00
	Interval	Days: 0 hrs: 00 mins: 01 secs: 00
	Step	3
	Duration	Days: 0 hrs: 00 mins: 45 secs: 00
	Interval	Days: 0 hrs: 00 mins: 05 secs: 00
	Step	4
	Duration	Days: 0 hrs: 04 mins: 00 secs: 00

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Interval	Days: 0 hrs: 00 mins: 30 secs: 00
Step	5
Duration	Days: 0 hrs: 19 mins: 00 secs: 00
Interval	Days: 0 hrs: 01 mins: 00 secs: 00
Step	6
Duration	Days: 0 hrs: 00 mins: 05 secs: 00
Interval	Days: 0 hrs: 00 mins: 00 secs: 05
Step	7
Duration	Days: 0 hrs: 00 mins: 10 secs: 00
Interval	Days: 0 hrs: 00 mins: 01 secs: 00
Step	8
Duration	Days: 0 hrs: 00 mins: 45 secs: 00
Interval	Days: 0 hrs: 00 mins: 05 secs: 00
Step	9
Duration	Days: 0 hrs: 04 mins: 00 secs: 00
Interval	Days: 0 hrs: 00 mins: 30 secs: 00
Step	10
Duration	Days: 0 hrs: 19 mins: 00 secs: 00
Interval	Days: 0 hrs: 01 mins: 00 secs: 00

Level Reference Settings At Log Creation

Level Measurement Mode	Level Depth To Water
Specific Gravity	0.999
Level Reference Mode:	Set new reference
Level Reference Value:	0 (ft)
Level Reference Head Pressure	2.6329 (PSI)

Other Log Settings

Depth of Probe:	6.07907 (ft)
Head Pressure:	2.63281 (PSI)
Temperature:	12.5431 (C)

Log Notes:

Date and Time	Note
4/26/2011 12:29	Used Battery: 10% Used Memory: 3% User Name: jgadt
4/28/2011 13:16	Used Battery: 10% Used Memory: 3% User Name: jgadt
4/28/2011 13:16	Manual Stop Command

Log Data:

Record Count	212
Sensors	1

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1 163722 Pressure/Temp 15 PSIG (11m/35ft)

Time Zone: Central Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
4/26/2011 14:00	0	-0.04	2.65
4/26/2011 14:00	5	-0.035	2.648
4/26/2011 14:00	10	-0.034	2.648
4/26/2011 14:00	15	-0.034	2.648
4/26/2011 14:00	20	-0.033	2.647
4/26/2011 14:00	25	-0.035	2.648
4/26/2011 14:00	30	-0.034	2.648
4/26/2011 14:00	35	-0.034	2.648
4/26/2011 14:00	40	-0.033	2.647
4/26/2011 14:00	45	-0.035	2.648
4/26/2011 14:00	50	-0.034	2.647
4/26/2011 14:00	55	-0.036	2.648
4/26/2011 14:01	60	-0.034	2.648
4/26/2011 14:01	65	-0.032	2.647
4/26/2011 14:01	70	-0.032	2.647
4/26/2011 14:01	75	-0.035	2.648
4/26/2011 14:01	80	-0.037	2.649
4/26/2011 14:01	85	-0.038	2.649
4/26/2011 14:01	90	-0.039	2.65
4/26/2011 14:01	95	-0.038	2.65
4/26/2011 14:01	100	-0.037	2.649
4/26/2011 14:01	105	-0.034	2.648
4/26/2011 14:01	110	-0.034	2.648
4/26/2011 14:01	115	-0.033	2.647
4/26/2011 14:02	120	-0.041	2.651
4/26/2011 14:02	125	-0.039	2.65
4/26/2011 14:02	130	-0.038	2.649
4/26/2011 14:02	135	-0.037	2.649
4/26/2011 14:02	140	-0.039	2.65
4/26/2011 14:02	145	-0.039	2.65
4/26/2011 14:02	150	-0.039	2.65
4/26/2011 14:02	155	-0.038	2.649
4/26/2011 14:02	160	-0.036	2.648
4/26/2011 14:02	165	-0.037	2.649
4/26/2011 14:02	170	-0.035	2.648
4/26/2011 14:02	175	-0.034	2.648
4/26/2011 14:03	180	-0.034	2.648
4/26/2011 14:03	185	-0.034	2.648
4/26/2011 14:03	190	-0.031	2.646
4/26/2011 14:03	195	-0.03	2.646

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
4/26/2011 14:03	200	-0.031	2.646
4/26/2011 14:03	205	-0.031	2.646
4/26/2011 14:03	210	-0.03	2.646
4/26/2011 14:03	215	-0.031	2.646
4/26/2011 14:03	220	-0.027	2.645
4/26/2011 14:03	225	-0.03	2.646
4/26/2011 14:03	230	-0.03	2.646
4/26/2011 14:03	235	-0.032	2.647
4/26/2011 14:04	240	-0.033	2.647
4/26/2011 14:04	245	-0.036	2.648
4/26/2011 14:04	250	-0.038	2.65
4/26/2011 14:04	255	-0.037	2.649
4/26/2011 14:04	260	-0.041	2.651
4/26/2011 14:04	265	-0.043	2.651
4/26/2011 14:04	270	-0.042	2.651
4/26/2011 14:04	275	-0.042	2.651
4/26/2011 14:04	280	-0.038	2.649
4/26/2011 14:04	285	-0.039	2.65
4/26/2011 14:04	290	-0.038	2.649
4/26/2011 14:04	295	-0.036	2.649
4/26/2011 14:05	300	-0.035	2.648
4/26/2011 14:06	360	-0.031	2.647
4/26/2011 14:07	420	-0.031	2.646
4/26/2011 14:08	480	-0.03	2.646
4/26/2011 14:09	540	-0.025	2.644
4/26/2011 14:10	600	-0.02	2.642
4/26/2011 14:11	660	-0.07	2.663
4/26/2011 14:12	720	-0.029	2.645
4/26/2011 14:13	780	-0.028	2.645
4/26/2011 14:14	840	-0.016	2.64
4/26/2011 14:15	900	-0.023	2.643
4/26/2011 14:20	1200	-0.011	2.638
4/26/2011 14:25	1500	0	2.633
4/26/2011 14:30	1800	-0.008	2.637
4/26/2011 14:35	2100	-0.005	2.635
4/26/2011 14:40	2400	0	2.633
4/26/2011 14:45	2700	0.001	2.633
4/26/2011 14:50	3000	0.005	2.631
4/26/2011 14:55	3300	0.002	2.632
4/26/2011 15:00	3600	0.003	2.632
4/26/2011 15:30	5400	0.002	2.632
4/26/2011 16:00	7200	0.004	2.631
4/26/2011 16:30	9000	0.005	2.631
4/26/2011 17:00	10800	0.01	2.629
4/26/2011 17:30	12600	0.014	2.627

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
4/26/2011 18:00	14400	0.023	2.623
4/26/2011 18:30	16200	0.024	2.622
4/26/2011 19:00	18000	0.03	2.62
4/26/2011 20:00	21600	0.028	2.621
4/26/2011 21:00	25200	0.028	2.621
4/26/2011 22:00	28800	0.023	2.623
4/26/2011 23:00	32400	0.016	2.626
4/27/2011 0:00	36000	-0.001	2.633
4/27/2011 1:00	39600	0.005	2.631
4/27/2011 2:00	43200	0.013	2.627
4/27/2011 3:00	46800	0.01	2.628
4/27/2011 4:00	50400	0.012	2.628
4/27/2011 5:00	54000	0.012	2.628
4/27/2011 6:00	57600	0.022	2.623
4/27/2011 7:00	61200	0.049	2.612
4/27/2011 8:00	64800	0.08	2.598
4/27/2011 9:00	68400	0.097	2.591
4/27/2011 10:00	72000	0.105	2.587
4/27/2011 11:00	75600	0.111	2.585
4/27/2011 12:00	79200	0.112	2.584
4/27/2011 13:00	82800	0.091	2.593
4/27/2011 14:00	86400	0.09	2.594
4/27/2011 14:00	86405	0.091	2.593
4/27/2011 14:00	86410	0.085	2.596
4/27/2011 14:00	86415	0.092	2.593
4/27/2011 14:00	86420	0.087	2.595
4/27/2011 14:00	86425	0.084	2.597
4/27/2011 14:00	86430	0.091	2.594
4/27/2011 14:00	86435	0.093	2.593
4/27/2011 14:00	86440	0.096	2.591
4/27/2011 14:00	86445	0.097	2.591
4/27/2011 14:00	86450	0.091	2.593
4/27/2011 14:00	86455	0.082	2.597
4/27/2011 14:01	86460	0.087	2.595
4/27/2011 14:01	86465	0.086	2.596
4/27/2011 14:01	86470	0.087	2.595
4/27/2011 14:01	86475	0.092	2.593
4/27/2011 14:01	86480	0.101	2.589
4/27/2011 14:01	86485	0.09	2.594
4/27/2011 14:01	86490	0.09	2.594
4/27/2011 14:01	86495	0.092	2.593
4/27/2011 14:01	86500	0.09	2.594
4/27/2011 14:01	86505	0.086	2.596
4/27/2011 14:01	86510	0.093	2.593
4/27/2011 14:01	86515	0.091	2.594

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
4/27/2011 14:02	86520	0.094	2.592
4/27/2011 14:02	86525	0.088	2.595
4/27/2011 14:02	86530	0.091	2.594
4/27/2011 14:02	86535	0.088	2.595
4/27/2011 14:02	86540	0.085	2.596
4/27/2011 14:02	86545	0.088	2.595
4/27/2011 14:02	86550	0.091	2.594
4/27/2011 14:02	86555	0.091	2.594
4/27/2011 14:02	86560	0.09	2.594
4/27/2011 14:02	86565	0.087	2.595
4/27/2011 14:02	86570	0.091	2.593
4/27/2011 14:02	86575	0.089	2.594
4/27/2011 14:03	86580	0.087	2.595
4/27/2011 14:03	86585	0.098	2.591
4/27/2011 14:03	86590	0.097	2.591
4/27/2011 14:03	86595	0.084	2.597
4/27/2011 14:03	86600	0.091	2.594
4/27/2011 14:03	86605	0.086	2.596
4/27/2011 14:03	86610	0.085	2.596
4/27/2011 14:03	86615	0.092	2.593
4/27/2011 14:03	86620	0.088	2.595
4/27/2011 14:03	86625	0.088	2.595
4/27/2011 14:03	86630	0.086	2.596
4/27/2011 14:03	86635	0.094	2.592
4/27/2011 14:04	86640	0.092	2.593
4/27/2011 14:04	86645	0.092	2.593
4/27/2011 14:04	86650	0.092	2.593
4/27/2011 14:04	86655	0.091	2.593
4/27/2011 14:04	86660	0.09	2.594
4/27/2011 14:04	86665	0.092	2.593
4/27/2011 14:04	86670	0.081	2.598
4/27/2011 14:04	86675	0.092	2.593
4/27/2011 14:04	86680	0.083	2.597
4/27/2011 14:04	86685	0.088	2.595
4/27/2011 14:04	86690	0.093	2.593
4/27/2011 14:04	86695	0.089	2.594
4/27/2011 14:05	86700	0.094	2.592
4/27/2011 14:06	86760	0.092	2.593
4/27/2011 14:07	86820	0.09	2.594
4/27/2011 14:08	86880	0.088	2.595
4/27/2011 14:09	86940	0.098	2.59
4/27/2011 14:10	87000	0.08	2.598
4/27/2011 14:11	87060	0.082	2.597
4/27/2011 14:12	87120	0.072	2.602
4/27/2011 14:13	87180	0.083	2.597

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
4/27/2011 14:14	87240	0.069	2.603
4/27/2011 14:15	87300	0.075	2.6
4/27/2011 14:20	87600	0.073	2.601
4/27/2011 14:25	87900	0.063	2.606
4/27/2011 14:30	88200	0.068	2.603
4/27/2011 14:35	88500	0.067	2.604
4/27/2011 14:40	88800	0.064	2.605
4/27/2011 14:45	89100	0.064	2.605
4/27/2011 14:50	89400	0.064	2.605
4/27/2011 14:55	89700	0.067	2.604
4/27/2011 15:00	90000	0.063	2.606
4/27/2011 15:30	91800	0.063	2.606
4/27/2011 16:00	93600	0.056	2.609
4/27/2011 16:30	95400	0.05	2.611
4/27/2011 17:00	97200	0.049	2.611
4/27/2011 17:30	99000	0.049	2.611
4/27/2011 18:00	100800	0.05	2.611
4/27/2011 18:30	102600	0.043	2.614
4/27/2011 19:00	104400	0.028	2.621
4/27/2011 20:00	108000	0.012	2.628
4/27/2011 21:00	111600	0.017	2.625
4/27/2011 22:00	115200	0.02	2.624
4/27/2011 23:00	118800	0.016	2.626
4/28/2011 0:00	122400	0.01	2.629
4/28/2011 1:00	126000	0.004	2.631
4/28/2011 2:00	129600	-0.011	2.638
4/28/2011 3:00	133200	-0.026	2.644
4/28/2011 4:00	136800	-0.034	2.648
4/28/2011 5:00	140400	-0.03	2.646
4/28/2011 6:00	144000	-0.024	2.643
4/28/2011 7:00	147600	-0.012	2.638
4/28/2011 8:00	151200	-0.008	2.636
4/28/2011 9:00	154800	-0.001	2.633
4/28/2011 10:00	158400	-0.002	2.634
4/28/2011 11:00	162000	0.006	2.63
4/28/2011 12:00	165600	0.024	2.622
4/28/2011 13:00	169200	0.017	2.626

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Report Date:	4/28/2011 15:26
Report User Nam	jgadt
Report Computer	KS-FIELD2-LTP
Application:	WinSitu.exe
Application Versi	5.6.21.0

Log File Properties

File Name	MW6E_042611_RW7crate_2011-04-28_13-22-45-593.wsl
Create Date	4/28/2011 13:22

Device Properties

Device	Level TROLL 700				
Site	MW-6E				
Device Name					
Serial Number		163893			
Firmware Version		2.08			
Hardware Versior		3			
Device Address		1			
Device Comm Cfg		19200	8	Even	1
Used Memory		1			
Used Battery		6			

Log Configuration

	Log Name	MW6E_042611_RW7crate
	Created By	jgadt
	Computer Name	KS-FIELD2-LTP
	Application	WinSitu.exe
	Application Version	5.6.21.0
	Create Date	4/26/2011 12:16:26 PM Central Daylight Time
	Log Setup Time Zone	Central Daylight Time
	Notes Size(bytes)	4096
	Overwrite when full	Disabled
	Scheduled Start Time	4/26/2011 2:00:00 PM Central Daylight Time
	Scheduled Stop Time	4/28/2011 2:00:00 PM Central Daylight Time
	Type	Step Test
Steps	10 (Linear)	
	Step	1
	Duration	Days: 0 hrs: 00 mins: 05 secs: 00
	Interval	Days: 0 hrs: 00 mins: 00 secs: 05
	Step	2
	Duration	Days: 0 hrs: 00 mins: 10 secs: 00
	Interval	Days: 0 hrs: 00 mins: 01 secs: 00
	Step	3
	Duration	Days: 0 hrs: 00 mins: 45 secs: 00
	Interval	Days: 0 hrs: 00 mins: 05 secs: 00
	Step	4
	Duration	Days: 0 hrs: 04 mins: 00 secs: 00

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Interval	Days: 0 hrs: 00 mins: 30 secs: 00
Step	5
Duration	Days: 0 hrs: 19 mins: 00 secs: 00
Interval	Days: 0 hrs: 01 mins: 00 secs: 00
Step	6
Duration	Days: 0 hrs: 00 mins: 05 secs: 00
Interval	Days: 0 hrs: 00 mins: 00 secs: 05
Step	7
Duration	Days: 0 hrs: 00 mins: 10 secs: 00
Interval	Days: 0 hrs: 00 mins: 01 secs: 00
Step	8
Duration	Days: 0 hrs: 00 mins: 45 secs: 00
Interval	Days: 0 hrs: 00 mins: 05 secs: 00
Step	9
Duration	Days: 0 hrs: 04 mins: 00 secs: 00
Interval	Days: 0 hrs: 00 mins: 30 secs: 00
Step	10
Duration	Days: 0 hrs: 19 mins: 00 secs: 00
Interval	Days: 0 hrs: 01 mins: 00 secs: 00

Level Reference Settings At Log Creation

Level Measurement Mode	Level Depth To Water
Specific Gravity	0.999
Level Reference Mode:	Set new reference
Level Reference Value:	0 (ft)
Level Reference Head Pressure	0.00119686 (PSI)

Other Log Settings

Depth of Probe:	0.00354303 (ft)
Head Pressure:	0.00153446 (PSI)
Temperature:	13.7119 (C)

Log Notes:

Date and Time	Note
4/26/2011 12:16	Used Battery: 6% Used Memory: 1% User Name: jgadt
4/28/2011 13:22	Used Battery: 6% Used Memory: 1% User Name: jgadt
4/28/2011 13:22	Manual Stop Command

Log Data:

Record Count	212
Sensors	1

US EPA ARCHIVE DOCUMENT

1 163893 Pressure/Temp 15 PSIG (11m/35ft)

Time Zone: Central Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163893 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163893 Pressure (PSI)
4/26/2011 14:00	0	-7.272	3.151
4/26/2011 14:00	5	-7.271	3.15
4/26/2011 14:00	10	-7.271	3.15
4/26/2011 14:00	15	-7.27	3.15
4/26/2011 14:00	20	-7.27	3.15
4/26/2011 14:00	25	-7.272	3.15
4/26/2011 14:00	30	-7.271	3.15
4/26/2011 14:00	35	-7.272	3.15
4/26/2011 14:00	40	-7.272	3.151
4/26/2011 14:00	45	-7.271	3.15
4/26/2011 14:00	50	-7.272	3.15
4/26/2011 14:00	55	-7.273	3.151
4/26/2011 14:01	60	-7.273	3.151
4/26/2011 14:01	65	-7.273	3.151
4/26/2011 14:01	70	-7.272	3.151
4/26/2011 14:01	75	-7.271	3.15
4/26/2011 14:01	80	-7.272	3.15
4/26/2011 14:01	85	-7.274	3.152
4/26/2011 14:01	90	-7.275	3.152
4/26/2011 14:01	95	-7.277	3.153
4/26/2011 14:01	100	-7.277	3.153
4/26/2011 14:01	105	-7.276	3.153
4/26/2011 14:01	110	-7.275	3.152
4/26/2011 14:01	115	-7.274	3.152
4/26/2011 14:02	120	-7.268	3.149
4/26/2011 14:02	125	-7.28	3.154
4/26/2011 14:02	130	-7.278	3.153
4/26/2011 14:02	135	-7.277	3.153
4/26/2011 14:02	140	-7.272	3.151
4/26/2011 14:02	145	-7.274	3.152
4/26/2011 14:02	150	-7.273	3.151
4/26/2011 14:02	155	-7.273	3.151
4/26/2011 14:02	160	-7.275	3.152
4/26/2011 14:02	165	-7.275	3.152
4/26/2011 14:02	170	-7.274	3.151
4/26/2011 14:02	175	-7.275	3.152
4/26/2011 14:03	180	-7.275	3.152
4/26/2011 14:03	185	-7.274	3.151
4/26/2011 14:03	190	-7.273	3.151
4/26/2011 14:03	195	-7.271	3.15

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163893 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163893 Pressure (PSI)
4/26/2011 14:03	200	-7.27	3.15
4/26/2011 14:03	205	-7.27	3.15
4/26/2011 14:03	210	-7.269	3.149
4/26/2011 14:03	215	-7.268	3.149
4/26/2011 14:03	220	-7.267	3.148
4/26/2011 14:03	225	-7.267	3.148
4/26/2011 14:03	230	-7.268	3.149
4/26/2011 14:03	235	-7.269	3.149
4/26/2011 14:04	240	-7.266	3.148
4/26/2011 14:04	245	-7.267	3.148
4/26/2011 14:04	250	-7.266	3.148
4/26/2011 14:04	255	-7.269	3.149
4/26/2011 14:04	260	-7.271	3.15
4/26/2011 14:04	265	-7.273	3.151
4/26/2011 14:04	270	-7.27	3.15
4/26/2011 14:04	275	-7.273	3.151
4/26/2011 14:04	280	-7.273	3.151
4/26/2011 14:04	285	-7.275	3.152
4/26/2011 14:04	290	-7.274	3.151
4/26/2011 14:04	295	-7.274	3.151
4/26/2011 14:05	300	-7.273	3.151
4/26/2011 14:06	360	-7.267	3.149
4/26/2011 14:07	420	-7.266	3.148
4/26/2011 14:08	480	-7.262	3.146
4/26/2011 14:09	540	-7.258	3.145
4/26/2011 14:10	600	-7.253	3.143
4/26/2011 14:11	660	-7.302	3.164
4/26/2011 14:12	720	-7.262	3.147
4/26/2011 14:13	780	-7.262	3.146
4/26/2011 14:14	840	-7.252	3.142
4/26/2011 14:15	900	-7.255	3.143
4/26/2011 14:20	1200	-7.247	3.14
4/26/2011 14:25	1500	-7.236	3.135
4/26/2011 14:30	1800	-7.245	3.139
4/26/2011 14:35	2100	-7.237	3.135
4/26/2011 14:40	2400	-7.235	3.135
4/26/2011 14:45	2700	-7.235	3.134
4/26/2011 14:50	3000	-7.234	3.134
4/26/2011 14:55	3300	-7.227	3.131
4/26/2011 15:00	3600	-7.229	3.132
4/26/2011 15:30	5400	-7.226	3.131
4/26/2011 16:00	7200	-7.229	3.132
4/26/2011 16:30	9000	-7.227	3.131
4/26/2011 17:00	10800	-7.223	3.129
4/26/2011 17:30	12600	-7.218	3.127

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163893 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163893 Pressure (PSI)
4/26/2011 18:00	14400	-7.21	3.124
4/26/2011 18:30	16200	-7.205	3.122
4/26/2011 19:00	18000	-7.203	3.121
4/26/2011 20:00	21600	-7.204	3.121
4/26/2011 21:00	25200	-7.202	3.12
4/26/2011 22:00	28800	-7.211	3.124
4/26/2011 23:00	32400	-7.216	3.127
4/27/2011 0:00	36000	-7.237	3.136
4/27/2011 1:00	39600	-7.226	3.131
4/27/2011 2:00	43200	-7.223	3.13
4/27/2011 3:00	46800	-7.225	3.13
4/27/2011 4:00	50400	-7.223	3.13
4/27/2011 5:00	54000	-7.222	3.129
4/27/2011 6:00	57600	-7.21	3.124
4/27/2011 7:00	61200	-7.187	3.114
4/27/2011 8:00	64800	-7.157	3.101
4/27/2011 9:00	68400	-7.137	3.092
4/27/2011 10:00	72000	-7.126	3.087
4/27/2011 11:00	75600	-7.126	3.087
4/27/2011 12:00	79200	-7.125	3.087
4/27/2011 13:00	82800	-7.144	3.095
4/27/2011 14:00	86400	-7.147	3.096
4/27/2011 14:00	86405	-7.146	3.096
4/27/2011 14:00	86410	-7.144	3.095
4/27/2011 14:00	86415	-7.146	3.096
4/27/2011 14:00	86420	-7.149	3.097
4/27/2011 14:00	86425	-7.143	3.095
4/27/2011 14:00	86430	-7.143	3.095
4/27/2011 14:00	86435	-7.15	3.098
4/27/2011 14:00	86440	-7.139	3.093
4/27/2011 14:00	86445	-7.15	3.098
4/27/2011 14:00	86450	-7.143	3.095
4/27/2011 14:00	86455	-7.144	3.095
4/27/2011 14:01	86460	-7.14	3.093
4/27/2011 14:01	86465	-7.147	3.096
4/27/2011 14:01	86470	-7.144	3.095
4/27/2011 14:01	86475	-7.146	3.096
4/27/2011 14:01	86480	-7.148	3.097
4/27/2011 14:01	86485	-7.138	3.093
4/27/2011 14:01	86490	-7.146	3.096
4/27/2011 14:01	86495	-7.145	3.095
4/27/2011 14:01	86500	-7.148	3.097
4/27/2011 14:01	86505	-7.143	3.095
4/27/2011 14:01	86510	-7.145	3.096
4/27/2011 14:01	86515	-7.147	3.096

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163893 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163893 Pressure (PSI)
4/27/2011 14:02	86520	-7.135	3.091
4/27/2011 14:02	86525	-7.15	3.098
4/27/2011 14:02	86530	-7.141	3.094
4/27/2011 14:02	86535	-7.142	3.094
4/27/2011 14:02	86540	-7.14	3.094
4/27/2011 14:02	86545	-7.16	3.102
4/27/2011 14:02	86550	-7.141	3.094
4/27/2011 14:02	86555	-7.145	3.096
4/27/2011 14:02	86560	-7.141	3.094
4/27/2011 14:02	86565	-7.152	3.099
4/27/2011 14:02	86570	-7.143	3.095
4/27/2011 14:02	86575	-7.147	3.097
4/27/2011 14:03	86580	-7.143	3.095
4/27/2011 14:03	86585	-7.145	3.096
4/27/2011 14:03	86590	-7.147	3.096
4/27/2011 14:03	86595	-7.141	3.094
4/27/2011 14:03	86600	-7.146	3.096
4/27/2011 14:03	86605	-7.142	3.094
4/27/2011 14:03	86610	-7.141	3.094
4/27/2011 14:03	86615	-7.148	3.097
4/27/2011 14:03	86620	-7.153	3.099
4/27/2011 14:03	86625	-7.142	3.094
4/27/2011 14:03	86630	-7.15	3.098
4/27/2011 14:03	86635	-7.146	3.096
4/27/2011 14:04	86640	-7.144	3.095
4/27/2011 14:04	86645	-7.146	3.096
4/27/2011 14:04	86650	-7.138	3.093
4/27/2011 14:04	86655	-7.143	3.095
4/27/2011 14:04	86660	-7.141	3.094
4/27/2011 14:04	86665	-7.141	3.094
4/27/2011 14:04	86670	-7.152	3.099
4/27/2011 14:04	86675	-7.15	3.098
4/27/2011 14:04	86680	-7.148	3.097
4/27/2011 14:04	86685	-7.152	3.099
4/27/2011 14:04	86690	-7.15	3.098
4/27/2011 14:04	86695	-7.147	3.096
4/27/2011 14:05	86700	-7.153	3.099
4/27/2011 14:06	86760	-7.147	3.096
4/27/2011 14:07	86820	-7.146	3.096
4/27/2011 14:08	86880	-7.149	3.097
4/27/2011 14:09	86940	-7.153	3.099
4/27/2011 14:10	87000	-7.159	3.102
4/27/2011 14:11	87060	-7.156	3.1
4/27/2011 14:12	87120	-7.167	3.105
4/27/2011 14:13	87180	-7.155	3.1

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163893 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163893 Pressure (PSI)
4/27/2011 14:14	87240	-7.16	3.102
4/27/2011 14:15	87300	-7.161	3.103
4/27/2011 14:20	87600	-7.169	3.106
4/27/2011 14:25	87900	-7.168	3.106
4/27/2011 14:30	88200	-7.176	3.109
4/27/2011 14:35	88500	-7.164	3.104
4/27/2011 14:40	88800	-7.173	3.108
4/27/2011 14:45	89100	-7.168	3.105
4/27/2011 14:50	89400	-7.17	3.106
4/27/2011 14:55	89700	-7.171	3.107
4/27/2011 15:00	90000	-7.178	3.11
4/27/2011 15:30	91800	-7.171	3.107
4/27/2011 16:00	93600	-7.183	3.112
4/27/2011 16:30	95400	-7.187	3.114
4/27/2011 17:00	97200	-7.187	3.114
4/27/2011 17:30	99000	-7.183	3.112
4/27/2011 18:00	100800	-7.189	3.115
4/27/2011 18:30	102600	-7.193	3.117
4/27/2011 19:00	104400	-7.205	3.122
4/27/2011 20:00	108000	-7.226	3.131
4/27/2011 21:00	111600	-7.215	3.126
4/27/2011 22:00	115200	-7.213	3.125
4/27/2011 23:00	118800	-7.218	3.127
4/28/2011 0:00	122400	-7.227	3.131
4/28/2011 1:00	126000	-7.234	3.134
4/28/2011 2:00	129600	-7.248	3.14
4/28/2011 3:00	133200	-7.262	3.146
4/28/2011 4:00	136800	-7.27	3.15
4/28/2011 5:00	140400	-7.264	3.147
4/28/2011 6:00	144000	-7.261	3.146
4/28/2011 7:00	147600	-7.249	3.141
4/28/2011 8:00	151200	-7.236	3.135
4/28/2011 9:00	154800	-7.236	3.135
4/28/2011 10:00	158400	-7.239	3.136
4/28/2011 11:00	162000	-7.23	3.132
4/28/2011 12:00	165600	-7.213	3.125
4/28/2011 13:00	169200	-7.221	3.129

US EPA ARCHIVE DOCUMENT

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FULL GET SYSTEM TEST

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW1_WLD	RW1_WLE	RW1_Flow	RW2_WLD	RW2_WLE	RW2_Flow	RW3_WLD	RW3_WLE	RW3_Flow	RW4_WLD
4/30/11 16:29	2.551150084	0	0	1814.040649	0.015625	0.001052141	1811.102783	0.021875001	-0.064436078	1811.476685	0.003125	0.04327774
4/30/11 16:39	9.998366356	1	-0.662147522	1813.378418	8.868750572	-1.181479692	1809.920288	14.35000038	-0.705425262	1810.722656	3.015625	-3.994524479
4/30/11 16:49	19.99691582	1	-0.670803308	1813.369751	5.756249905	-1.319966793	1809.78186	14.43437481	-0.669750214	1810.762573	2.809375048	-3.990196943
4/30/11 16:59	29.99004936	1	-0.683786392	1813.356812	5.581250191	-1.227095366	1809.874756	14.85625076	-0.741331458	1810.754883	2.862499952	-3.994524479
4/30/11 17:09	39.98183441	1	-0.692442179	1813.348145	4.099999905	-1.016093493	1809.82605	14.45625019	-0.756422997	1810.745239	2.899999857	-3.985869169
4/30/11 17:19	49.97788239	1	-0.692442179	1813.348145	8.243749619	-1.364296913	1809.910645	14.94687462	-0.741100311	1810.725952	2.849999905	-3.994524479
4/30/11 17:29	59.9766655	1	-0.670803308	1813.369751	8.159375191	-1.140308142	1809.550293	14.68749905	-0.737829328	1810.729126	2.796875	-3.990196943
4/30/11 17:39	69.97721863	1	-0.692442179	1813.348145	6.440625191	-1.207330704	1809.656494	14.74374962	-0.74858886	1810.748657	2.671875	-3.994524479
4/30/11 17:49	79.97341919	1	-0.688114405	1813.352539	7.500000477	-1.308855057	1809.792969	15.00312519	-0.741921365	1810.738037	2.778125048	-3.994524479
4/30/11 17:59	89.97554779	1	-0.666475773	1813.374146	7.78125	-1.57273221	1809.529053	14.95937538	-0.749407709	1810.739258	2.678124905	-3.994524479
4/30/11 18:09	99.9717865	1	-0.688114405	1813.352539	7.840625286	-1.477641821	1809.624146	14.91249943	-0.750576556	1810.742432	2.753124952	-3.990196943
4/30/11 18:19	109.9689636	1	-0.688114405	1813.365479	8.259374619	-1.670054436	1809.635132	14.92500019	-0.713616014	1810.727417	2.496875048	-3.985869169
4/30/11 18:29	119.956665	1	-0.675131083	1813.365479	5.137500286	-2.028086305	1809.320435	14.74999905	-0.734085083	1810.750244	2.721874952	-3.985869169
4/30/11 18:39	129.9540863	1	-0.683786392	1813.356812	5.099999905	-1.206859589	1809.470825	14.75937557	-0.700514317	1810.779419	2.568750143	-3.981541395
4/30/11 18:49	139.9494781	1	-0.675131083	1813.365479	6.731250286	-1.443837881	1809.657959	14.80000019	-0.734085083	1810.728638	2.721874952	-3.994524479
4/30/11 18:59	149.9534149	1	-0.675131083	1813.365479	7.228125095	-1.548639774	1809.553101	14.734375	-0.748005569	1810.731934	2.868749857	-3.985869169
4/30/11 19:09	159.960968	1	-0.683786392	1813.356812	7.321874619	-1.366760254	1809.612793	14.64374924	-0.734903932	1810.744019	2.653124809	-3.990196943
4/30/11 19:19	169.9581451	1	-0.683786392	1813.356812	7.199999809	-1.145925522	1809.912598	15.11250019	-0.756427407	1810.753906	2.671875	-3.985869169
4/30/11 19:29	179.9511261	1	-0.666475773	1813.374146	7	-1.363370419	1809.738403	14.82187462	-0.709871769	1810.75708	2.806250095	-3.990196943
4/30/11 19:39	189.9528656	1	-0.688114405	1813.352539	7.212500095	-1.303827524	1809.841187	14.96250057	-0.741221428	1810.764771	2.871875048	-3.990196943
4/30/11 19:49	199.947876	1	-0.675131083	1813.365479	7.318749905	-1.675898552	1809.694214	14.74687481	-0.684839487	1810.769165	2.703125	-3.990196943
4/30/11 19:59	209.9439545	1	-0.679458857	1813.361084	6.674999714	-1.433430433	1809.668335	15.00937462	-0.723675489	1810.747681	2.643749952	-3.994524479
4/30/11 20:09	219.9481049	1	-0.688114405	1813.352539	6.90625	-1.332722902	1809.673828	14.75937557	-0.705194116	1810.757446	2.684375048	-3.990196943
4/30/11 20:19	229.9294434	1	-0.688114405	1813.352539	9.106249809	-1.130252838	1809.971558	14.80937481	-0.714787006	1810.756592	2.721874952	-3.985869169
4/30/11 20:29	239.9272766	1	-0.679458857	1813.361084	5.506249905	-1.411440372	1809.83313	15.05624962	-0.719000101	1810.752319	2.643749952	-3.994524479
4/30/11 20:39	249.9377594	1	-0.688114405	1813.352539	7.046875477	-1.127915144	1810.017212	14.87500095	-0.742744625	1810.744873	2.678124905	-3.990196943
4/30/11 20:49	259.9354858	1	-0.679458857	1813.361084	6.493750095	-1.172128916	1809.980591	14.73750019	-0.713384867	1810.731934	2.825000048	-3.990196943
4/30/11 20:59	269.9232483	1	-0.679458857	1813.361084	6.821875095	-1.492266893	1809.692871	15.07187462	-0.738181531	1810.772095	2.65625	-3.994524479
4/30/11 21:09	279.9238892	1	-0.683786392	1813.356812	6.309375286	-1.248739958	1809.697266	14.65000057	-0.746720016	1810.746216	2.784374952	-3.990196943
4/30/11 21:19	289.9251099	1	-0.679458857	1813.361084	6.700000286	-1.001946449	1809.407471	14.96250057	-0.703327537	1810.694458	2.9375	-3.990196943
4/30/11 21:29	299.9246216	1	-0.683786392	1813.356812	4.228125095	-1.15435195	1809.947388	14.90000057	-0.764853656	1810.729126	2.540625095	-3.994524479
4/30/11 21:39	309.9195862	1	-0.675131083	1813.365479	5.209375381	-1.750414133	1809.351318	14.83750057	-0.70309639	1810.750977	2.721874952	-3.990196943
4/30/11 21:49	319.918335	1	-0.679458857	1813.361084	4.165624619	-1.438695908	1809.593872	14.796875	-0.754908562	1810.738037	2.684375048	-3.990196943
4/30/11 21:59	329.9153442	1	-0.675131083	1813.365479	6.715624809	-1.33471489	1809.5896	14.79375076	-0.750466526	1810.7771	2.924999952	-3.994524479
4/30/11 22:09	339.9111023	1	-0.683786392	1813.356812	6.678125381	-1.792285681	1809.486938	14.97499943	-0.731982946	1810.700439	2.849999905	-3.990196943
4/30/11 22:19	349.9128113	1	-0.679458857	1813.361084	6.693749905	-1.786791325	1809.314941	14.76249981	-0.7351439	1810.741577	2.800000191	-3.990196943
4/30/11 22:29	359.9077759	1	-0.683786392	1813.356812	6.534375191	-1.403727293	1809.031616	15.12812519	-0.750233173	1810.734131	2.665624857	-3.990196943
4/30/11 22:39	369.9070129	1	-0.683786392	1813.356812	9.262499809	-1.242426872	1809.729492	15.125	-0.757719517	1810.735229	2.637500048	-3.990196943
4/30/11 22:49	379.9004211	1	-0.679458857	1813.361084	6.084374905	-1.464201212	1809.408203	14.95624924	-0.750114322	1810.721191	2.71875	-3.990196943
4/30/11 22:59	389.9001465	1	-0.675131083	1813.365479	6.484375	-1.473910809	1809.346558	14.91562462	-0.742513537	1810.750488	2.578125	-3.994524479
4/30/11 23:09	399.8978577	1	-0.679458857	1813.361084	6.643749714	-1.458700418	1809.287109	15.01875114	-0.740294695	1810.747314	2.834374905	-3.990196943
4/30/11 23:19	409.8957214	1	-0.683786392	1813.356812	8.431249619	-1.5084126	1809.415894	15.07187462	-0.751052022	1810.728882	2.975000143	-3.994524479
4/30/11 23:29	419.8928528	1	-0.675131083	1813.365479	8.331249237	-1.763634682	1809.338135	14.87812519	-0.716316819	1810.746338	2.859375	-3.994524479
4/30/11 23:39	429.8929138	1	-0.683786392	1813.361084	6.775000095	-1.367583513	1809.734253	14.91562462	-0.757369518	1810.766968	2.821875095	-3.990196943
4/30/11 23:49	439.8961182	1	-0.683786392	1813.356812	6.212500095	-1.390277863	1809.309082	14.97187424	-0.741113544	1810.751831	2.878124952	-3.990196943
4/30/11 23:59	449.8925171	1	-0.675131083	1813.365479	6.118749619	-1.423729897	1809.703979	15.05937386	-0.72695756	1810.744385	2.909374952	-3.990196943
5/1/11 0:09	459.879425	1	-0.679458857	1813.361084	5.962500095	-1.49612999	1809.605713	15.02812481	-0.743101239	1810.741211	2.849999905	-3.994524479
5/1/11 0:19	469.8830261	1	-0.683786392	1813.356812	8.671875	-1.390044689	1809.711792	15.07812405	-0.737602592	1810.717529	2.800000191	-3.994524479

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW1_WLD	RW1_WLE	RW1_Flow	RW2_WLD	RW2_WLE	RW2_Flow	RW3_WLD	RW3_WLE	RW3_Flow	RW4_WLD
5/1/11 0:29	479.881073	1	-0.670803308	1813.365479	6.268750191	-1.274243116	1809.217285	14.90312481	-0.7246176	1810.733765	2.784374952	-3.994524479
5/1/11 0:39	489.8788452	1	-0.675131083	1813.365479	6.274999619	-1.376947403	1809.577759	14.99687386	-0.740763545	1810.730591	2.825000048	-3.990196943
5/1/11 0:49	499.8612976	1	-0.683786392	1813.356812	8.518750191	-1.430978298	1809.666504	14.97187424	-0.738538146	1810.762085	2.884374857	-3.994524479
5/1/11 0:59	509.8616943	1	-0.679458857	1813.361084	5.087500095	-1.369223356	1809.775879	14.84062481	-0.746026635	1810.725342	2.993750095	-3.990196943
5/1/11 1:09	519.8577881	1	-0.679458857	1813.361084	4.946874619	-1.405950546	1809.695801	15.07812405	-0.739478052	1810.723145	2.875	-3.990196943
5/1/11 1:19	529.8606567	1	-0.675131083	1813.365479	6.4375	-1.565027952	1809.536743	14.88749981	-0.734093904	1810.7146	2.893749952	-3.994524479
5/1/11 1:29	539.8572388	1	-0.683786392	1813.356812	6.012500286	-1.277170658	1809.798706	14.921875	-0.71783793	1810.717773	3.028125048	-3.990196943
5/1/11 1:39	549.8531494	1	-0.675131083	1813.365479	6.290625095	-1.430866003	1809.792114	15.01249981	-0.712455988	1810.728516	3.028125048	-3.990196943
5/1/11 1:49	559.8547363	1	-0.679458857	1813.361084	4.3125	-1.179852962	1809.921997	15.09687424	-0.699470997	1810.776123	3.046875	-3.990196943
5/1/11 1:59	569.8573608	1	-0.683786392	1813.356812	4.149999619	-1.53473258	1809.657959	14.91249943	-0.721108913	1810.74585	2.803125143	-3.985869169
5/1/11 2:09	579.8534546	1	-0.679458857	1813.361084	6.212500095	-1.259860516	1809.841919	14.92500019	-0.71023488	1810.739502	3.087499857	-3.990196943
5/1/11 2:19	589.8516235	1	-0.679458857	1813.352539	8.956250191	-1.395076513	1809.706665	15.08125114	-0.763222516	1810.721069	3.1875	-3.990196943
5/1/11 2:29	599.8493652	1	-0.679458857	1813.352539	6.443749905	-1.2859447	1809.863403	14.88437462	-0.753627419	1810.734985	3.006250143	-3.994524479
5/1/11 2:39	609.8544312	1	-0.675131083	1813.352539	9.350000381	-1.255647182	1809.989014	15.1875	-0.76228261	1810.765259	2.946875095	-3.990196943
5/1/11 2:49	619.8500366	1	-0.675131083	1813.365479	9.290625572	-1.349923134	1809.790771	14.96250057	-0.731053948	1810.731567	3.012500048	-3.990196943
5/1/11 2:59	629.8358154	1	-0.670803308	1813.369751	7.128124714	-1.404079437	1809.640381	14.95624924	-0.754912972	1810.767334	3.115624905	-3.990196943
5/1/11 3:09	639.8425293	1	-0.683786392	1813.356812	6.640625	-1.193068981	1809.908691	14.93437481	-0.747312188	1810.723999	3.059374809	-3.990196943
5/1/11 3:19	649.840332	1	-0.679458857	1813.356812	9.806249619	-1.365012407	1809.481445	14.97187424	-0.715845823	1810.746826	3.071874857	-3.990196943
5/1/11 3:29	659.8231201	1	-0.679458857	1813.361084	6.721875191	-1.558591604	1809.733643	14.93750095	-0.740642488	1810.743652	3.056249857	-3.990196943
5/1/11 3:39	669.822876	1	-0.679458857	1813.352539	7.315625191	-1.357292652	1809.393921	14.68124962	-0.755734026	1810.73291	3.018749952	-3.990196943
5/1/11 3:49	679.8244629	1	-0.688114405	1813.356812	6.253124714	-1.265356779	1809.922974	14.88125038	-0.759011626	1810.725342	2.762500048	-3.990196943
5/1/11 3:59	689.817688	1	-0.679458857	1813.361084	6.456250191	-1.549936295	1809.55188	14.88749981	-0.733041644	1810.768555	2.959375143	-3.994524479
5/1/11 4:09	699.8319702	1	-0.683786392	1813.352539	6.681250095	-1.530521631	1809.683838	14.87500095	-0.716897964	1810.737061	2.940624952	-3.990196943
5/1/11 4:19	709.8260498	1	-0.679458857	1813.361084	6.753125191	-1.52186656	1809.701172	15.04062557	-0.699589849	1810.745728	2.943749905	-3.990196943
5/1/11 4:29	719.821228	1	-0.683786392	1813.356812	8.215624809	-1.630060673	1809.47168	14.734375	-0.739590287	1810.728516	2.768749952	-3.990196943
5/1/11 4:39	729.8097534	1	-0.683786392	1813.356812	6.481249809	-1.475310802	1809.626465	14.72812462	-0.748245478	1810.731689	3.049999952	-3.990196943
5/1/11 4:49	739.8087769	1	-0.675131083	1813.365479	6.953124523	-1.436362505	1809.665405	15.22812557	-0.731987357	1810.727417	2.918750048	-3.990196943
5/1/11 4:59	749.8054199	1	-0.683786392	1813.356812	6.515625	-1.767493248	1809.545288	15.19375038	-0.754800677	1810.750122	2.859375	-3.994524479
5/1/11 5:09	759.8016968	1	-0.683786392	1813.356812	6.065625191	-1.651698589	1809.282349	14.97812557	-0.733160615	1810.742432	2.996875048	-3.994524479
5/1/11 5:19	769.7966919	1	-0.679458857	1813.361084	6.731250286	-1.71006155	1809.486938	14.86250019	-0.727661967	1810.752319	2.978125095	-3.990196943
5/1/11 5:29	779.7998047	1	-0.688114405	1813.361084	6.828125	-1.54233551	1809.299805	15.05312443	-0.741696835	1810.725342	2.903125048	-3.990196943
5/1/11 5:39	789.7988892	1	-0.683786392	1813.356812	6.599999905	-1.592045546	1809.509766	14.81875038	-0.730822921	1810.718872	3.068749905	-3.990196943
5/1/11 5:49	799.7960815	1	-0.688114405	1813.352539	6.609375	-1.457885981	1809.258789	14.84375	-0.72649312	1810.731812	2.918750048	-3.990196943
5/1/11 5:59	809.7993774	1	-0.683786392	1813.356812	6.237500191	-1.074817657	1809.728394	14.90000057	-0.754562974	1810.735107	2.984375	-3.994524479
5/1/11 6:09	819.8001709	1	-0.683786392	1813.356812	6.215624809	-1.44583869	1809.699219	14.94375038	-0.762051463	1810.752563	3.003125191	-3.990196943
5/1/11 6:19	829.7947388	1	-0.675131083	1813.365479	5.862500191	-1.820135355	1809.107544	14.94062519	-0.742517889	1810.710449	2.946875095	-3.994524479
5/1/11 6:29	839.7921143	1	-0.683786392	1813.356812	6.331250191	-1.663160324	1809.438599	14.85625076	-0.741349101	1810.747314	2.934375048	-3.990196943
5/1/11 6:39	849.7927856	1	-0.679458857	1813.361084	8.399999619	-1.918498755	1809.18335	14.73750019	-0.746726632	1810.712646	3.131249905	-3.990196943
5/1/11 6:49	859.7770996	1	-0.675131083	1813.365479	6.259375095	-1.53321147	1809.568604	14.79375076	-0.741232395	1810.730103	2.959375143	-3.990196943
5/1/11 6:59	869.7738037	1	-0.679458857	1813.365479	6.221875191	-1.631581545	1809.542725	14.85312462	-0.718421221	1810.747559	3.034374952	-3.990196943
5/1/11 7:09	879.7728882	1	-0.679458857	1813.361084	6.078125	-1.385950327	1809.365234	14.84375	-0.715147972	1810.708618	2.921875	-3.990196943
5/1/11 7:19	889.7697144	1	-0.679458857	1813.356812	6.053124905	-1.464905739	1809.791626	14.87500095	-0.759480476	1810.719482	2.78125	-3.994524479
5/1/11 7:29	899.7668457	1	-0.679458857	1813.365479	6.434374809	-1.812180281	1809.289551	14.74062538	-0.748602092	1810.748657	3.106250048	-3.990196943
5/1/11 7:39	909.7659912	1	-0.679458857	1813.361084	5.990625381	-1.632633686	1809.469116	14.82499981	-0.711872578	1810.72583	2.903125048	-3.985869169
5/1/11 7:49	919.7631836	1	-0.679458857	1813.361084	8.021874428	-1.682343721	1809.575195	14.84999943	-0.721580029	1810.728149	3	-3.994524479
5/1/11 7:59	929.7573853	1	-0.670803308	1813.365479	6.5	-1.642343283	1809.459473	14.86874962	-0.745441139	1810.751831	3.090625048	-3.990196943
5/1/11 8:09	939.7544556	1	-0.679458857	1813.365479	8.065625191	-1.550526381	1809.55127	14.94375038	-0.736902595	1810.751709	3.296874762	-3.994524479
5/1/11 8:19	949.7680054	1	-0.683786392	1813.356812	6.215624809	-1.74187994	1809.281982	14.86250019	-0.755150676	1810.742188	3.018749952	-3.990196943

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW1_WLD	RW1_WLE	RW1_Flow	RW2_WLD	RW2_WLE	RW2_Flow	RW3_WLD	RW3_WLE	RW3_Flow	RW4_WLD
5/1/11 8:29	959.7615967	1	-0.688114405	1813.352539	5.059374809	-1.695328712	1809.098145	15.06562519	-0.7345649	1810.732422	2.890625	-3.990196943
5/1/11 8:39	969.7555542	1	-0.679458857	1813.361084	6.174999714	-1.692057848	1809.479004	15.00000095	-0.735619307	1810.709717	2.928124905	-3.990196943
5/1/11 8:49	979.753479	1	-0.688114405	1813.352539	6.471875191	-1.459404945	1809.64563	14.58124924	-0.720413327	1810.720581	2.981250048	-3.990196943
5/1/11 8:59	989.7450562	1	-0.679458857	1813.356812	6.068749905	-1.885749102	1809.216064	14.63125038	-0.717254639	1810.775757	2.856249809	-3.994524479
5/1/11 9:09	999.7601318	1	-0.679458857	1813.361084	5.118750095	-1.581640482	1809.334106	14.70937443	-0.742051244	1810.750977	3.0625	-3.990196943
5/1/11 9:19	1009.750244	1	-0.683786392	1813.361084	6.537499905	-1.724336386	1809.775635	14.79375076	-0.711639285	1810.764038	3.009375095	-3.990196943
5/1/11 9:29	1019.749146	1	-0.679458857	1813.361084	4.859375	-1.622576475	1809.479248	14.84687519	-0.69105351	1810.737061	2.828125	-3.990196943
5/1/11 9:39	1029.747192	1	-0.679458857	1813.365479	6.346874714	-1.960029125	1809.24231	14.90625	-0.735267162	1810.728516	3.224999905	-3.990196943
5/1/11 9:49	1039.740234	1	-0.675131083	1813.361084	6.150000095	-1.461165905	1809.342041	14.67187595	-0.738425851	1810.763184	2.668749809	-3.990196943
5/1/11 9:59	1049.738892	1	-0.679458857	1813.356812	7.815624714	-1.706797123	1809.39502	14.828125	-0.73737371	1810.725342	3.234375	-3.994524479
5/1/11 10:09	1059.74707	1	-0.679458857	1813.361084	6.121874809	-1.663518906	1809.438232	14.76249981	-0.720063329	1810.768555	2.787500143	-3.990196943
5/1/11 10:19	1069.72522	1	-0.683786392	1813.356812	6.068749905	-1.299865246	1809.80188	14.81562519	-0.732927203	1810.70813	3.096874952	-3.990196943
5/1/11 10:29	1079.729004	1	-0.679458857	1813.365479	3.96875	-1.736969233	1809.364868	14.79062462	-0.75889492	1810.711426	3.118750095	-3.985869169
5/1/11 10:39	1089.724976	1	-0.683786392	1813.356812	6.371875286	-1.464322329	1809.637451	15.14375019	-0.745912194	1810.721069	3.131249905	-3.994524479
5/1/11 10:49	1099.723145	1	-0.679458857	1813.356812	5.818749905	-1.485845804	1809.603027	14.88437462	-0.728485227	1810.751465	2.940624952	-3.990196943
5/1/11 10:59	1109.720703	1	-0.675131083	1813.365479	5.668749809	-1.899088621	1809.587891	14.91249943	-0.7435745	1810.740723	2.828125	-3.990196943
5/1/11 11:09	1119.717285	1	-0.683786392	1813.356812	3.96875	-1.619888783	1809.481934	15.06250095	-0.775974154	1810.712646	2.918750048	-3.985869169
5/1/11 11:19	1129.715332	1	-0.679458857	1813.361084	6.046875	-1.372038603	1809.729736	14.62499905	-0.731529474	1810.748413	2.706249952	-3.994524479
5/1/11 11:29	1139.710205	1	-0.675131083	1813.365479	6.368750572	-1.200095177	1809.455933	14.74999905	-0.724040985	1810.755981	3.265624762	-3.990196943
5/1/11 11:39	1149.706421	1	-0.679458857	1813.361084	7.178124905	-1.533332586	1809.568481	15.00312519	-0.728370667	1810.725586	2.993750095	-3.990196943
5/1/11 11:49	1159.718628	1	-0.679458857	1813.361084	8.09375	-1.564684629	1809.537109	14.765625	-0.746735454	1810.733276	3.171875	-3.990196943
5/1/11 11:59	1169.719971	1	-0.679458857	1813.361084	7.450000286	-1.364547968	1809.698242	14.59375	-0.711055994	1810.74292	3.046875	-3.994524479
5/1/11 12:09	1179.701172	1	-0.679458857	1813.361084	5.900000095	-1.542108774	1809.672241	14.81562519	-0.767433465	1810.738525	2.918750048	-3.994524479
5/1/11 12:19	1189.705322	1	-0.679458857	1813.361084	5.959374905	-1.520470858	1809.256714	14.85312462	-0.724159837	1810.747192	3.21875	-3.990196943
5/1/11 12:29	1199.699097	1	-0.679458857	1813.361084	5.990625381	-1.521635294	1809.502197	15.06250095	-0.755621731	1810.728638	3.078125	-3.990196943
5/1/11 12:39	1209.700073	1	-0.683786392	1813.356812	6.328125477	-1.723986387	1809.737061	14.76249981	-0.724272013	1810.742676	2.665624857	-3.994524479
5/1/11 12:49	1219.697754	1	-0.679458857	1813.361084	3.796875	-1.366887808	1809.734863	14.94375038	-0.713395834	1810.748169	3.118750095	-3.994524479
5/1/11 12:59	1229.688965	1	-0.683786392	1813.356812	5.775000095	-1.660126925	1809.368042	14.89687538	-0.755621731	1810.724365	2.800000191	-3.985869169
5/1/11 13:09	1239.687256	1	-0.679458857	1813.361084	6.503125191	-1.786800146	1809.232788	14.80624962	-0.752462983	1810.766479	2.8125	-3.990196943
5/1/11 13:19	1249.681152	1	-0.679458857	1813.361084	6.703125	-1.62011981	1809.473022	14.74062538	-0.732927203	1810.76001	2.865624905	-3.990196943
5/1/11 13:29	1259.67981	1	-0.683786392	1813.356812	6.184374809	-1.839900017	1809.499878	14.80624962	-0.740649104	1810.734985	3.159375191	-3.981541395
5/1/11 13:39	1269.67688	1	-0.675131083	1813.365479	6.775000095	-1.250274181	1809.76062	14.859375	-0.730941772	1810.753418	3.253124952	-3.990196943
5/1/11 13:49	1279.674561	1	-0.679458857	1813.361084	6.296875477	-1.352967262	1809.748779	14.83750057	-0.72111547	1810.729614	3.128125191	-3.990196943
5/1/11 13:59	1289.690552	1	-0.679458857	1813.361084	5.009375095	-1.596379757	1809.548706	14.60312462	-0.704857349	1810.749146	2.828125	-3.985869169
5/1/11 14:09	1299.670654	1	-0.675131083	1813.365479	5.90625	-1.938270092	1809.418823	14.69687557	-0.743807852	1810.75354	2.84375	-3.990196943
5/1/11 14:19	1309.682495	1	-0.679458857	1813.361084	6.140625	-1.52280426	1809.695801	15.08750057	-0.696202159	1810.775146	3.087499857	-3.994524479
5/1/11 14:29	1319.666016	1	-0.679458857	1813.361084	8.309374809	-1.496838808	1809.60498	14.90000057	-0.736204863	1810.736206	3.265624762	-3.994524479
5/1/11 14:39	1329.680908	1	-0.679458857	1813.361084	6.362500191	-1.4329772	1809.504395	15.08437538	-0.723219872	1810.735107	3.037499905	-3.994524479
5/1/11 14:49	1339.670898	1	-0.683786392	1813.356812	6.674999714	-1.521752119	1809.865723	15.03437424	-0.751410842	1810.702637	2.975000143	-3.994524479
5/1/11 14:59	1349.670776	1	-0.679458857	1813.361084	6.190624714	-1.865748882	1809.236084	14.95937538	-0.757842779	1810.743774	3.03125	-3.990196943
5/1/11 15:09	1359.66748	1	-0.679458857	1813.361084	6.340625286	-1.502218485	1809.145142	14.34687519	-0.762168169	1810.722168	3.140625	-3.990196943
5/1/11 15:19	1369.665039	1	-0.679458857	1813.361084	6.568749905	-1.860485792	1809.171021	14.74687481	-0.739596903	1810.730713	3.059374809	-3.994524479
5/1/11 15:29	1379.666382	1	-0.683786392	1813.356812	6.084374905	-1.64632082	1809.477051	14.92812443	-0.759128273	1810.738159	2.978125095	-3.990196943
5/1/11 15:39	1389.665039	1	-0.683786392	1813.356812	6.128124714	-1.886570215	1809.435913	14.88125038	-0.709420443	1810.757568	3	-3.985869169
5/1/11 15:49	1399.647217	1	-0.679458857	1813.361084	6.453125	-1.750301838	1809.35144	14.76874924	-0.741934597	1810.750977	3.134375095	-3.985869169
5/1/11 15:59	1409.646118	1	-0.679458857	1813.361084	6.331250191	-1.990436673	1809.466187	14.83124924	-0.75597173	1810.714355	3.012500048	-3.990196943
5/1/11 16:09	1419.645264	1	-0.679458857	1813.361084	5.987500191	-1.867153406	1809.403442	14.921875	-0.715969086	1810.738037	3.053124905	-3.994524479
5/1/11 16:19	1429.639771	1	-0.683786392	1813.356812	6.840624809	-1.453906298	1809.362305	15.11562443	-0.718187928	1810.753174	3.243749857	-3.990196943

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW1_WLD	RW1_WLE	RW1_Flow	RW2_WLD	RW2_WLE	RW2_Flow	RW3_WLD	RW3_WLE	RW3_Flow	RW4_WLD
5/1/11 16:29	1439.636475	1	-0.683786392	1813.356812	6.525000095	-1.603276253	1809.719238	14.85625076	-0.707428336	1810.746582	3.046875	-3.994524479
5/1/11 16:39	1449.648315	1	-0.679458857	1813.361084	6.503125191	-1.407478333	1809.395752	14.98750019	-0.762639225	1810.730347	2.887500048	-3.990196943
5/1/11 16:49	1459.631104	1	-0.683786392	1813.356812	6.465624809	-1.857560396	1809.486572	14.80000019	-0.723686576	1810.747681	3.284374952	-3.990196943
5/1/11 16:59	1469.628906	1	-0.675131083	1813.361084	6.471875191	-1.692057848	1808.929321	14.81875038	-0.744272292	1810.741089	3.025000095	-3.994524479
5/1/11 17:09	1479.625854	1	-0.679458857	1813.361084	6.750000477	-1.626085281	1809.475708	15.06875038	-0.743217885	1810.745361	3.037499905	-3.990196943
5/1/11 17:19	1489.62439	1	-0.683786392	1813.356812	6.109375	-1.6087749	1809.493042	14.77187538	-0.743217885	1810.749756	2.765625	-3.990196943
5/1/11 17:29	1499.62207	1	-0.692442179	1813.352539	5.909375191	-1.648779631	1809.587158	15.02812481	-0.748602092	1810.718384	2.981250048	-3.990196943
5/1/11 17:39	1509.622559	1	-0.679458857	1813.361084	6.15625	-1.66503334	1809.371826	14.86250019	-0.747547686	1810.754028	2.800000191	-3.990196943
5/1/11 17:49	1519.621948	1	-0.679458857	1813.361084	6.096874714	-1.708313704	1809.38916	14.859375	-0.72590971	1810.758423	2.700000048	-3.990196943
5/1/11 17:59	1529.623169	1	-0.679458857	1813.361084	4.309374809	-1.766795635	1809.291748	14.89374924	-0.720527768	1810.747559	2.871875048	-3.994524479
5/1/11 18:09	1539.619629	1	-0.683786392	1813.356812	6.296875477	-1.523270845	1809.656372	15.01249981	-0.718308926	1810.749756	2.915625095	-3.985869169
5/1/11 18:19	1549.622559	1	-0.675131083	1813.365479	6.199999809	-1.570876598	1809.530884	14.77500057	-0.779949546	1810.73999	2.821875095	-3.994524479
5/1/11 18:29	1559.610474	1	-0.683786392	1813.356812	6.246874809	-1.50268507	1809.434692	14.83124924	-0.740999103	1810.751953	2.868749857	-3.990196943
5/1/11 18:39	1569.606567	1	-0.679458857	1813.361084	6.259375095	-1.622809887	1809.474609	14.828125	-0.735619307	1810.727051	2.809375048	-3.994524479
5/1/11 18:49	1579.605103	1	-0.679458857	1813.361084	5.6875	-2.003654957	1809.297241	14.97499943	-0.752931833	1810.73999	3	-3.990196943
5/1/11 18:59	1589.605225	1	-0.675131083	1813.365479	4.803124905	-1.658487082	1809.179321	14.93437481	-0.732343912	1810.730347	2.778125048	-3.994524479
5/1/11 19:09	1599.606445	1	-0.679458857	1813.361084	6.434374809	-1.776388407	1809.325439	14.72499943	-0.742051244	1810.729248	2.703125	-3.990196943
5/1/11 19:19	1609.600952	1	-0.679458857	1813.361084	6.143749714	-1.503737211	1809.792847	14.75937557	-0.716083527	1810.720581	3.053124905	-3.990196943
5/1/11 19:29	1619.597168	1	-0.679458857	1813.361084	4.868750095	-1.75907588	1809.420654	14.92500019	-0.755036235	1810.729248	3.006250143	-3.990196943
5/1/11 19:39	1629.599731	1	-0.679458857	1813.361084	8.203125	-1.405250549	1809.804688	14.90937424	-0.751758635	1810.780151	2.759375095	-3.990196943
5/1/11 19:49	1639.591675	1	-0.683786392	1813.356812	6.262499809	-1.631348372	1809.470459	14.66874886	-0.726843119	1810.740112	2.837500095	-3.990196943
5/1/11 19:59	1649.584351	1	-0.683786392	1813.356812	5.806250095	-1.991607785	1809.274658	15.06250095	-0.719242334	1810.747803	2.903125048	-3.990196943
5/1/11 20:09	1659.59436	1	-0.683786392	1813.356812	6.303124905	-1.608541489	1809.493286	14.921875	-0.738661408	1810.745605	2.912499905	-3.990196943
5/1/11 20:19	1669.585815	1	-0.683786392	1813.356812	5.871874809	-2.000144005	1809.101685	14.70624924	-0.745093346	1810.760864	2.984375	-3.994524479
5/1/11 20:29	1679.580811	1	-0.675131083	1813.365479	5.709374905	-1.907039404	1809.194702	14.78749943	-0.756905079	1810.749023	2.946875095	-3.990196943
5/1/11 20:39	1689.576782	1	-0.679458857	1813.361084	5.650000095	-1.913473368	1809.443604	15.16250038	-0.740649104	1810.77832	2.459374905	-3.994524479
5/1/11 20:49	1699.577759	1	-0.688114405	1813.352539	5.724999905	-1.93616581	1809.308472	14.86874962	-0.73304832	1810.738281	3.034374952	-3.990196943
5/1/11 20:59	1709.586304	1	-0.675131083	1813.365479	6.028125286	-2.202263951	1808.899536	15.19375038	-0.752462983	1810.718872	3.034374952	-3.990196943
5/1/11 21:09	1719.581299	1	-0.679458857	1813.361084	5.821875095	-1.576843977	1809.368042	14.91562462	-0.716671228	1810.767578	3	-3.990196943
5/1/11 21:19	1729.581055	1	-0.679458857	1813.361084	5.143750191	-2.112320065	1809.192871	14.88125038	-0.736088157	1810.743896	2.956249952	-3.990196943
5/1/11 21:29	1739.563477	1	-0.683786392	1813.356812	3.571875095	-2.447661877	1809.134521	14.59062576	-0.765212417	1810.741821	2.956249952	-3.994524479
5/1/11 21:39	1749.560181	1	-0.679458857	1813.361084	5.859375	-1.577667236	1809.52417	14.89374924	-0.738080263	1810.741943	2.831249952	-3.990196943
5/1/11 21:49	1759.557617	1	-0.679458857	1813.361084	4.453125	-2.022253036	1808.910767	14.97187424	-0.723922014	1810.717163	2.881249905	-3.990196943
5/1/11 21:59	1769.557129	1	-0.679458857	1813.361084	7.334374428	-1.616496801	1809.489624	14.765625	-0.711993694	1810.746338	2.553124905	-3.990196943
5/1/11 22:09	1779.554077	1	-0.679458857	1813.361084	5.431250095	-1.804698229	1809.405273	14.92812443	-0.744395554	1810.774536	2.75	-3.990196943
5/1/11 22:19	1789.557861	1	-0.679458857	1813.361084	3.424999952	-1.792765379	1809.572998	15.22500038	-0.707553864	1810.734497	2.965625048	-3.990196943
5/1/11 22:29	1799.557373	1	-0.679458857	1813.361084	5.612500191	-1.772179842	1809.32959	14.80312538	-0.724861979	1810.737793	3.165625095	-3.990196943
5/1/11 22:39	1809.55481	1	-0.683786392	1813.361084	5.671875	-1.963656664	1809.138184	15.05000019	-0.743224502	1810.741089	2.931250095	-3.990196943
5/1/11 22:49	1819.551758	1	-0.683786392	1813.356812	3.521874905	-1.605503798	1809.275635	14.59999943	-0.735621572	1810.744385	2.784374952	-3.994524479
5/1/11 22:59	1829.546509	1	-0.679458857	1813.361084	5.556250095	-1.732062578	1809.127441	15.05312443	-0.745328844	1810.747681	2.990625143	-3.990196943
5/1/11 23:09	1839.539307	1	-0.679458857	1813.361084	5.721874714	-1.74282217	1809.138306	14.81562519	-0.699829817	1810.736816	3	-3.990196943
5/1/11 23:19	1849.550415	1	-0.679458857	1813.361084	5.415625095	-2.185305715	1809.383911	14.92812443	-0.739832461	1810.73584	3.012500048	-3.990196943
5/1/11 23:29	1859.549072	1	-0.683786392	1813.361084	7.090625286	-1.913708925	1808.976074	14.89374924	-0.736554801	1810.765015	2.65625	-3.990196943
5/1/11 23:39	1869.531494	1	-0.679458857	1813.361084	3.240624905	-1.724343061	1809.377441	14.73750019	-0.724628687	1810.764038	2.596874952	-3.994524479
5/1/11 23:49	1879.530762	1	-0.675131083	1813.365479	6.987500191	-1.720013142	1809.381836	14.91875076	-0.720298886	1810.768311	2.78125	-3.990196943
5/1/11 23:59	1889.539551	1	-0.683786392	1813.356812	5.362499714	-1.871485233	1809.35144	14.84062481	-0.76790452	1810.738037	2.887500048	-3.990196943
5/2/11 0:09	1899.542114	1	-0.679458857	1813.361084	5.981250286	-1.176821709	1809.924927	14.828125	-0.73538816	1810.7229	3	-3.990196943
5/2/11 0:19	1909.532227	1	-0.679458857	1813.365479	4.856250286	-1.454852819	1809.369995	14.77500057	-0.73211062	1810.760864	3.037499905	-3.994524479

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW1_WLD	RW1_WLE	RW1_Flow	RW2_WLD	RW2_WLE	RW2_Flow	RW3_WLD	RW3_WLE	RW3_Flow	RW4_WLD
5/2/11 0:29	1919.529785	1	-0.675131083	1813.356812	5.384375095	-1.434267044	1809.57666	15.03437424	-0.746147692	1810.729492	2.771875143	-3.994524479
5/2/11 0:39	1929.521362	1	-0.679458857	1813.361084	5.228125095	-1.479645014	1809.622192	14.80312538	-0.761239231	1810.749023	2.971874952	-3.994524479
5/2/11 0:49	1939.518555	1	-0.683786392	1813.352539	3.575000286	-1.446078777	1809.651367	14.91562462	-0.723345399	1810.730713	2.834374905	-3.990196943
5/2/11 0:59	1949.516357	1	-0.675131083	1813.365479	7.400000095	-1.702471733	1809.91333	14.71562576	-0.733050466	1810.73291	2.775000095	-3.990196943
5/2/11 1:09	1959.508789	1	-0.679458857	1813.361084	5.021874905	-1.733817101	1809.36792	14.88125038	-0.738428056	1810.750244	2.853124857	-3.994524479
5/2/11 1:19	1969.519775	1	-0.683786392	1813.361084	4.059375286	-1.592054367	1809.418823	14.71875	-0.743810058	1810.744873	2.837500095	-3.985869169
5/2/11 1:29	1979.518677	1	-0.675131083	1813.361084	3.456249714	-1.531463861	1809.570313	14.62499905	-0.761120379	1810.710205	2.853124857	-3.990196943
5/2/11 1:39	1989.518921	1	-0.679458857	1813.361084	7.490625381	-1.470877647	1809.630859	14.98125076	-0.756794989	1810.718872	3.184375286	-3.990196943
5/2/11 1:49	1999.516846	1	-0.683786392	1813.356812	5.790625095	-1.540118933	1809.384277	14.88125038	-0.735154867	1810.762085	3.046875	-3.990196943
5/2/11 1:59	2009.499146	1	-0.683786392	1813.356812	8.043749809	-1.583399296	1809.354004	14.96250057	-0.747083247	1810.718872	3.206250191	-3.990196943
5/2/11 2:09	2019.507568	1	-0.679458857	1813.356812	5.706249714	-1.305368423	1809.796387	14.86250019	-0.725449681	1810.719971	2.915625095	-3.990196943
5/2/11 2:19	2029.502441	1	-0.683786392	1813.356812	7.240624905	-1.468773127	1809.442627	15.00625038	-0.754690647	1810.755615	3.075000048	-3.990196943
5/2/11 2:29	2039.500854	1	-0.675131083	1813.365479	5.834374905	-1.360574722	1809.48584	14.96250057	-0.72439754	1810.738281	2.884374857	-3.990196943
5/2/11 2:39	2049.498047	1	-0.679458857	1813.356812	7.946875095	-1.526083946	1809.575684	14.91875076	-0.742757857	1810.737183	3.193749905	-3.994524479
5/2/11 2:49	2059.484375	1	-0.679458857	1813.365479	7.487499714	-1.957808018	1809.005493	14.97812557	-0.763345778	1810.742554	2.881249905	-3.990196943
5/2/11 2:59	2069.48291	1	-0.679458857	1813.361084	4.712500095	-1.585618019	1809.533447	15.02500057	-0.763345778	1810.738281	2.856249809	-3.994524479
5/2/11 3:09	2079.496338	1	-0.683786392	1813.356812	5.46875	-1.92751503	1809.174316	14.74687481	-0.728720665	1810.751221	3.056249857	-3.990196943
5/2/11 3:19	2089.478027	1	-0.675131083	1813.365479	3.615624905	-1.699194193	1809.467529	14.921875	-0.721119881	1810.724243	2.962500095	-3.990196943
5/2/11 3:29	2099.477783	1	-0.679458857	1813.361084	5.587500095	-1.87979269	1809.473022	14.61250019	-0.741586804	1810.738403	2.990625143	-3.994524479
5/2/11 3:39	2109.487549	1	-0.675131083	1813.365479	5.537499905	-1.618957758	1809.482788	14.97187424	-0.762060285	1810.717896	3.118750095	-3.990196943
5/2/11 3:49	2119.486084	1	-0.679458857	1813.361084	5.228125095	-2.050562859	1808.977661	14.83437538	-0.756557286	1810.74939	3.003125191	-3.990196943
5/2/11 3:59	2129.496338	1	-0.679458857	1813.365479	7.268749714	-2.428013802	1809.413818	14.95937538	-0.748842001	1810.726807	3.175000191	-3.985869169
5/2/11 4:09	2139.475342	1	-0.688114405	1813.356812	4.384375095	-2.042843223	1808.998413	14.99062443	-0.727204084	1810.765747	2.681249857	-3.990196943
5/2/11 4:19	2149.474121	1	-0.679458857	1813.361084	5.390625	-2.261337876	1808.840454	14.83124924	-0.716323495	1810.733398	2.931250095	-3.990196943
5/2/11 4:29	2159.470703	1	-0.683786392	1813.356812	6.762500286	-1.855464935	1808.98999	15.03125	-0.743228912	1810.744385	3.128125191	-3.990196943
5/2/11 4:39	2169.468018	1	-0.683786392	1813.356812	5.503125191	-1.552520514	1809.713745	14.62812614	-0.751881897	1810.762695	2.881249905	-3.990196943
5/2/11 4:49	2179.46875	1	-0.683786392	1813.356812	6.793750286	-1.454038382	1809.362183	14.65937519	-0.735625863	1810.705444	2.809375048	-3.990196943
5/2/11 4:59	2189.466309	1	-0.679458857	1813.369751	5.537499905	-1.713700056	1809.712646	14.72187519	-0.688020229	1810.753052	3.021874905	-3.990196943
5/2/11 5:09	2199.45874	1	-0.683786392	1813.356812	5.731249809	-1.632523775	1809.339478	14.90937424	-0.736678123	1810.764893	3.106250048	-3.994524479
5/2/11 5:19	2209.455322	1	-0.679458857	1813.361084	4.743750095	-1.458251476	1809.643555	14.76874924	-0.739839017	1810.753174	2.959375143	-3.990196943
5/2/11 5:29	2219.459473	1	-0.675131083	1813.365479	7.175000191	-1.866109848	1809.235718	14.859375	-0.736561418	1810.739136	2.978125095	-3.990196943
5/2/11 5:39	2229.449707	1	-0.683786392	1813.356812	3.668750048	-2.004597068	1809.729004	15.14687538	-0.732236028	1810.773682	3.056249857	-3.994524479
5/2/11 5:49	2239.445801	1	-0.683786392	1813.356812	5.515625	-1.472281933	1809.555908	14.69687557	-0.706266165	1810.726074	3.037499905	-3.994524479
5/2/11 5:59	2249.452881	1	-0.683786392	1813.356812	5.212500095	-1.925646067	1809.223755	14.84375	-0.761476994	1810.73584	2.984375	-3.990196943
5/2/11 6:09	2259.451416	1	-0.679458857	1813.361084	5.003124714	-1.69732523	1809.356812	14.83124924	-0.732236028	1810.730469	3.018749952	-3.990196943
5/2/11 6:19	2269.447021	1	-0.683786392	1813.356812	5.462500095	-2.029514909	1809.072266	14.82187462	-0.718198895	1810.731445	2.990625143	-3.990196943
5/2/11 6:29	2279.442139	1	-0.683786392	1813.356812	6.896874905	-1.710310221	1809.37854	14.81249905	-0.736561418	1810.730469	2.796875	-3.990196943
5/2/11 6:39	2289.440186	1	-0.679458857	1813.361084	6.859375	-1.735106945	1809.319092	14.60624886	-0.72673738	1810.761963	3.040624857	-3.990196943
5/2/11 6:49	2299.436523	1	-0.683786392	1813.356812	5.534375191	-1.63767457	1809.663208	14.88125038	-0.776447415	1810.7771	2.796875	-3.990196943
5/2/11 6:59	2309.432129	1	-0.679458857	1813.361084	4.856250286	-1.791253328	1809.617798	14.953125	-0.722290993	1810.744751	3.012500048	-3.990196943
5/2/11 7:09	2319.422119	1	-0.679458857	1813.361084	6.265625477	-1.639662266	1809.462158	14.75312519	-0.735161424	1810.731812	2.787500143	-3.994524479
5/2/11 7:19	2329.419678	1	-0.679458857	1813.361084	3.424999952	-1.672064066	1809.429688	15.04062557	-0.719953299	1810.745972	2.975000143	-3.990196943
5/2/11 7:29	2339.431396	1	-0.683786392	1813.361084	5.506249905	-1.649138451	1809.573853	14.88437462	-0.77060318	1810.739624	2.84375	-3.990196943
5/2/11 7:39	2349.41333	1	-0.679458857	1813.361084	6.728125572	-1.669605494	1809.484131	14.82499981	-0.721826553	1810.740845	3.109375	-3.990196943
5/2/11 7:49	2359.411865	1	-0.679458857	1813.361084	4.731250286	-1.415318966	1809.543701	14.73750019	-0.709893703	1810.717041	3.018749952	-3.985869169
5/2/11 7:59	2369.42627	1	-0.683786392	1813.356812	4.650000095	-1.651124001	1809.450684	14.60312462	-0.747677565	1810.745239	2.893749952	-3.994524479
5/2/11 8:09	2379.420898	1	-0.679458857	1813.361084	4.465625286	-2.039457679	1809.239746	14.84375	-0.723816395	1810.743164	2.912499905	-3.985869169
5/2/11 8:19	2389.417236	1	-0.679458857	1813.361084	3.881249905	-2.306610227	1809.145752	14.90000057	-0.770251036	1810.748657	3.165625095	-3.985869169

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW1_WLD	RW1_WLE	RW1_Flow	RW2_WLD	RW2_WLE	RW2_Flow	RW3_WLD	RW3_WLE	RW3_Flow	RW4_WLD
5/2/11 8:29	2399.406738	1	-0.683786392	1813.356812	3.440624952	-1.73639679	1809.34375	14.734375	-0.702059627	1810.764893	2.978125095	-3.985869169
5/2/11 8:39	2409.401611	1	-0.683786392	1813.356812	5.03125	-2.027291656	1809.074463	14.78125	-0.724633098	1810.733765	3.159375191	-3.994524479
5/2/11 8:49	2419.400879	1	-0.679458857	1813.361084	4.400000095	-1.343387604	1809.325684	14.71250057	-0.736449182	1810.712158	3.15625	-3.994524479
5/2/11 8:59	2429.402588	1	-0.683786392	1813.356812	5.609375	-2.158063531	1808.943726	14.84999943	-0.721243143	1810.715454	2.962500095	-3.994524479
5/2/11 9:09	2439.40332	1	-0.683786392	1813.356812	2.931250095	-1.583522558	1809.518311	14.5625	-0.73960793	1810.753418	2.950000048	-3.994524479
5/2/11 9:19	2449.401367	1	-0.679458857	1813.361084	3.025000095	-1.922139645	1809.106079	14.73750019	-0.736332476	1810.743652	2.762500048	-3.994524479
5/2/11 9:29	2459.397217	1	-0.675131083	1813.365479	4.309374809	-1.803069353	1809.532471	15.02500057	-0.76873219	1810.724243	2.950000048	-3.994524479
5/2/11 9:39	2469.395752	1	-0.683786392	1813.356812	4.706250191	-1.892781973	1809.524902	14.81249905	-0.758905947	1810.699463	3.1875	-3.994524479
5/2/11 9:49	2479.39209	1	-0.675131083	1813.365479	3.331249952	-1.721776247	1809.354004	14.81249905	-0.743702173	1810.75354	2.978125095	-3.990196943
5/2/11 9:59	2489.388672	1	-0.683786392	1813.356812	3.484375	-1.549716234	1808.859619	14.64687443	-0.727444053	1810.748169	2.978125095	-3.990196943
5/2/11 10:09	2499.385254	1	-0.683786392	1813.356812	4.8125	-1.709843636	1809.231812	14.57187557	-0.705803871	1810.704956	3.196875095	-3.990196943
5/2/11 10:19	2509.378174	1	-0.683786392	1813.356812	6.296875477	-1.549716234	1809.283691	14.69062614	-0.740424573	1810.727661	3.128125191	-3.990196943
5/2/11 10:29	2519.37793	1	-0.679458857	1813.361084	4.78125	-2.014896631	1809.376831	14.83437538	-0.73387599	1810.733154	2.840625048	-3.990196943
5/2/11 10:39	2529.375244	1	-0.683786392	1813.356812	5.225000381	-1.790907621	1809.323853	14.93124962	-0.769553244	1810.732056	2.962500095	-3.990196943
5/2/11 10:49	2539.369141	1	-0.683786392	1813.356812	6.15625	-1.869856358	1809.231934	14.70937443	-0.753295064	1810.765625	3.362499952	-3.994524479
5/2/11 10:59	2549.376465	1	-0.679458857	1813.361084	4.681250095	-1.609140158	1809.077148	14.64374924	-0.739260137	1810.784058	3.053124905	-3.990196943
5/2/11 11:09	2559.382324	1	-0.679458857	1813.361084	5.153125286	-2.055951476	1809.015503	14.765625	-0.748967469	1810.758057	2.868749857	-3.985869169
5/2/11 11:19	2569.375244	1	-0.683786392	1813.356812	3.134375095	-2.038641095	1809.06311	15.08125114	-0.757622659	1810.765625	3.03125	-3.990196943
5/2/11 11:29	2579.378662	1	-0.679458857	1813.361084	3.515625	-1.701076031	1809.400757	14.60624886	-0.724049687	1810.717041	3.175000191	-3.990196943
5/2/11 11:39	2589.356445	1	-0.679458857	1813.361084	5.103125095	-1.76704216	1809.633301	14.58437443	-0.737034678	1810.747314	3.015625	-3.990196943
5/2/11 11:49	2599.36792	1	-0.679458857	1813.361084	7.415624619	-1.320230961	1809.769653	14.48750019	-0.779260576	1810.740723	3.075000048	-3.990196943
5/2/11 11:59	2609.36499	1	-0.679458857	1813.361084	5.390625	-1.887166739	1809.2146	14.92500019	-0.710016966	1810.756958	3.09375	-3.990196943
5/2/11 12:09	2619.362305	1	-0.679458857	1813.361084	5.234375	-1.829855919	1809.491577	14.58124924	-0.744637668	1810.718018	3.068749905	-3.990196943
5/2/11 12:19	2629.360352	1	-0.679458857	1813.361084	4.790625095	-2.341585398	1809.462402	14.98125076	-0.714342356	1810.744995	3.334375143	-3.990196943
5/2/11 12:29	2639.361328	1	-0.675131083	1813.365479	5.228125095	-1.955362558	1809.228638	14.76249981	-0.740312278	1810.752686	3.471874714	-3.990196943
5/2/11 12:39	2649.344482	1	-0.679458857	1813.361084	5.368750095	-1.875352859	1809.347656	14.95624924	-0.74147892	1810.712524	3.200000048	-3.990196943
5/2/11 12:49	2659.339355	1	-0.683786392	1813.356812	3.606250048	-1.722828627	1809.378906	14.69687557	-0.711183667	1810.717896	3.346874952	-3.994524479
5/2/11 12:59	2669.335938	1	-0.679458857	1813.361084	5.375	-1.884007931	1809.633301	14.68124962	-0.724168539	1810.725464	3.299999952	-3.990196943
5/2/11 13:09	2679.333984	1	-0.683786392	1813.356812	7.471875191	-1.665517807	1809.513184	15.08750057	-0.730717182	1810.735229	2.96875	-3.990196943
5/2/11 13:19	2689.345459	1	-0.683786392	1813.356812	5.178124905	-1.742362022	1809.359375	14.57499981	-0.742649972	1810.750366	3.028125048	-3.990196943
5/2/11 13:29	2699.345703	1	-0.688114405	1813.352539	5.550000191	-1.517318726	1809.385376	15.07187462	-0.71668005	1810.772949	3.378124952	-3.990196943
5/2/11 13:39	2709.337891	1	-0.683786392	1813.356812	5.559375286	-1.773828506	1809.19812	14.64687443	-0.713521361	1810.753418	2.931250095	-3.990196943
5/2/11 13:49	2719.338135	1	-0.679458857	1813.361084	5.362499714	-2.252103806	1808.849731	14.71250057	-0.734109282	1810.772949	3.193749905	-3.990196943
5/2/11 13:59	2729.335693	1	-0.688114405	1813.352539	5.412499905	-1.671126366	1809.430664	14.60937595	-0.710362554	1810.765259	3.421875	-3.990196943
5/2/11 14:09	2739.329102	1	-0.683786392	1813.356812	7.828125477	-1.435323477	1809.45874	14.73750019	-0.729898334	1810.776001	3.256250143	-3.990196943
5/2/11 14:19	2749.330811	1	-0.679458857	1813.361084	5.315624714	-1.412633419	1809.631836	14.859375	-0.741831124	1810.719727	3.446875095	-3.994524479
5/2/11 14:29	2759.324219	1	-0.683786392	1813.356812	5.809374809	-1.503521681	1809.598267	15.16562557	-0.711535811	1810.759766	2.946875095	-3.990196943
5/2/11 14:39	2769.327148	1	-0.679458857	1813.361084	5.418749809	-1.985065699	1809.116699	14.99374962	-0.730015039	1810.723999	3.175000191	-3.990196943
5/2/11 14:49	2779.323975	1	-0.679458857	1813.361084	5.25	-1.576152802	1809.525635	14.94687462	-0.779843926	1810.717407	3.103124857	-3.990196943
5/2/11 14:59	2789.320557	1	-0.679458857	1813.361084	5.862500191	-1.579423904	1809.232422	14.86250019	-0.765806735	1810.731445	3.134375095	-3.994524479
5/2/11 15:09	2799.305176	1	-0.688114405	1813.352539	4.456250191	-1.663877726	1809.397949	14.90000057	-0.724754095	1810.736816	3.474999905	-3.990196943
5/2/11 15:19	2809.324219	1	-0.683786392	1813.356812	5.634375095	-1.835933447	1809.265869	14.72187519	-0.758322656	1810.746582	3.015625	-3.990196943
5/2/11 15:29	2819.321045	1	-0.679458857	1813.361084	6.006250381	-1.599076271	1809.455078	14.828125	-0.745452106	1810.733521	2.931250095	-3.990196943
5/2/11 15:39	2829.304688	1	-0.679458857	1813.361084	5.421875	-1.61428237	1809.448608	14.58750057	-0.757384896	1810.748535	2.965625048	-3.990196943
5/2/11 15:49	2839.297363	1	-0.683786392	1813.356812	5.974999905	-2.398777246	1809.41272	14.91249943	-0.745571017	1810.760376	2.931250095	-3.990196943
5/2/11 15:59	2849.302002	1	-0.675131083	1813.356812	5.824999809	-1.497547388	1809.41272	14.98125076	-0.732586026	1810.751709	3.090625048	-3.990196943
5/2/11 16:09	2859.29541	1	-0.679458857	1813.361084	6.665624619	-1.758270264	1809.343506	14.59999943	-0.736915827	1810.760376	3.150000095	-3.990196943
5/2/11 16:19	2869.293457	1	-0.675131083	1813.365479	5.600000381	-1.749615192	1809.352173	14.68749905	-0.762881339	1810.725708	3.018749952	-3.990196943

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW1_WLD	RW1_WLE	RW1_Flow	RW2_WLD	RW2_WLE	RW2_Flow	RW3_WLD	RW3_WLE	RW3_Flow	RW4_WLD
5/2/11 16:29	2879.296631	1	-0.675131083	1813.365479	5.359375	-1.585274696	1809.516479	14.87812519	-0.750015259	1810.75061	3.306249857	-3.990196943
5/2/11 16:30	2879.983643	1	-0.675131083	1813.352539	7.965625286	-1.593934298	1809.408325	14.93750095	-0.745689869	1810.747314	3.4375	-3.994524479
5/2/11 16:30	2880.150391	2	-0.545298338	1813.495361	0.368750006	-2.993904054	1808.172852	1.293750048	-0.661235929	1810.831787	4.853125095	-3.206871986
5/2/11 16:30	2880.317627	2	-0.463070631	1813.599121	0.015625	-2.448603988	1808.700806	0.021875001	-0.522750974	1810.961548	0.231250003	-2.722162247
5/2/11 16:30	2880.48584	2	-0.411137581	1813.629517	0.015625	-2.098054051	1809.034058	0.021875001	-0.436192632	1811.048096	0.00625	-2.354302406
5/2/11 16:30	2880.652588	2	-0.385171175	1813.655396	0.015625	-1.847045183	1809.276367	0.021875001	-0.366948962	1811.113037	0.00625	-2.098964691
5/2/11 16:31	2880.820313	2	-0.372187853	1813.668457	0.015625	-1.669605494	1809.449463	0.021875001	-0.315015793	1811.169312	0.00625	-1.917198658
5/2/11 16:31	2880.987305	2	-0.354876518	1813.685791	0.015625	-1.522465229	1809.59668	0.021875001	-0.267412305	1811.212524	0.00625	-1.783038139
5/2/11 16:31	2881.154541	2	-0.350548983	1813.690063	0.015625	-1.40023613	1809.713501	0.021875001	-0.227407455	1811.251465	0.00625	-1.674843788
5/2/11 16:31	2881.322754	2	-0.346221209	1813.69873	0.015625	-1.314727783	1809.795654	0.021875001	-0.198164344	1811.282837	0.00625	-1.592616558
5/2/11 16:31	2881.489746	2	-0.33756566	1813.703003	0.015625	-1.232503653	1809.874634	0.021875001	-0.167871237	1811.312134	0.00625	-1.519044399
5/2/11 16:31	2881.656982	2	-0.333237886	1813.707397	0.015625	-1.163257837	1809.938477	0.021875001	-0.146231055	1811.33374	0.00625	-1.462783337
5/2/11 16:32	2881.825195	2	-0.324582338	1813.716064	0.015625	-1.105942726	1809.99585	0.021875001	-0.124595404	1811.356445	0.00625	-1.410851002
5/2/11 16:32	2881.992432	2	-0.320254564	1813.720337	0.015625	-1.058339357	1810.043457	0.021875001	-0.106230617	1811.373779	0.00625	-1.371900082
5/2/11 16:32	2882.159912	2	-0.315926552	1813.724731	0.015625	-1.015058994	1810.086792	0.021875001	-0.084590554	1811.390015	0.00625	-1.332951069
5/2/11 16:32	2882.326904	2	-0.315926552	1813.724731	0.015625	-0.976110697	1810.125732	0.021875001	-0.071609974	1811.402954	0.00625	-1.302656651
5/2/11 16:32	2882.494141	2	-0.307271481	1813.733276	0.015625	-0.941494465	1810.160278	0.021875001	-0.059679389	1811.416992	0.00625	-1.272361755
5/2/11 16:32	2882.661865	2	-0.307271481	1813.733276	0.015625	-0.911192656	1810.194946	0.021875001	-0.049972057	1811.428955	0.00625	-1.246396065
5/2/11 16:33	2882.829346	2	-0.30294323	1813.737671	0.015625	-0.880899429	1810.220947	0.021875001	-0.036987066	1811.438721	0.00625	-1.220428467
5/2/11 16:33	2882.996582	2	-0.298615694	1813.741943	0.015625	-0.854933977	1810.24585	0.021875001	-0.028331876	1811.447266	0.00625	-1.198790073
5/2/11 16:33	2883.163818	2	-0.298615694	1813.741943	0.015625	-0.833296061	1810.268555	0.021875001	-0.019676685	1811.455933	0.00625	-1.177151203
5/2/11 16:33	2883.331543	2	-0.29428792	1813.746338	0.015625	-0.811658144	1810.290161	0.021875001	-0.012073755	1811.4646	0.00625	-1.15551281
5/2/11 16:33	2883.499268	2	-0.29428792	1813.746338	0.015625	-0.794347763	1810.307495	0.021875001	-0.006691694	1811.473267	0.00625	-1.138201237
5/2/11 16:33	2883.666992	2	-0.29428792	1813.746338	0.015625	-0.777037382	1810.329102	0.021875001	0.001963377	1811.477661	0.00625	-1.125218391
5/2/11 16:34	2883.834717	2	-0.289960384	1813.75061	0.015625	-0.75972271	1810.342041	0.021875001	0.006291032	1811.481934	0.00625	-1.107906818
5/2/11 16:34	2884.001953	2	-0.285632372	1813.755005	0.015625	-0.742412329	1810.359375	0.021875001	0.010616422	1811.490601	0.00625	-1.094923973
5/2/11 16:34	2884.168701	2	-0.285632372	1813.755005	0.015625	-0.729429483	1810.372314	0.021875001	0.019271612	1811.494873	0.00625	-1.081940651
5/2/11 16:34	2884.336182	2	-0.285632372	1813.755005	0.015625	-0.716446638	1810.385376	0.021875001	0.023601413	1811.499268	0.00625	-1.068957329
5/2/11 16:34	2884.503662	2	-0.285632372	1813.755005	0.015625	-0.703464031	1810.398315	0.021875001	0.027931094	1811.50354	0.00625	-1.060301781
5/2/11 16:34	2884.671631	2	-0.281304598	1813.759277	0.015625	-0.694808722	1810.406982	0.021875001	0.027931094	1811.50354	0.003125	-1.047318459
5/2/11 16:35	2884.839844	2	-0.281304598	1813.759277	0.015625	-0.68615365	1810.419922	0.021875001	0.032256484	1811.507935	0.00625	-1.038662434
5/2/11 16:35	2884.990479	2	-0.281304598	1813.759277	0.015625	-0.677494049	1810.424316	0.021875001	0.036586285	1811.512207	0.00625	-1.034335136
5/2/11 16:35	2885.157959	2	-0.276977062	1813.763672	0.015625	-0.668838978	1810.432983	0.021875001	0.036586285	1811.516602	0.003125	-1.025679588
5/2/11 16:35	2885.326172	2	-0.276977062	1813.763672	0.015625	-0.660183668	1810.44165	0.021875001	0.040911674	1811.516602	0.00625	-1.01702404
5/2/11 16:35	2885.493652	2	-0.276977062	1813.763672	0.015625	-0.651532888	1810.450317	0.021875001	0.045241475	1811.520874	0.00625	-1.008368015
5/2/11 16:35	2885.661133	2	-0.276977062	1813.763672	0.015625	-0.642877817	1810.458862	0.021875001	0.045241475	1811.520874	0.00625	-1.004041195
5/2/11 16:36	2885.829102	2	-0.27264905	1813.767944	0.015625	-0.638545752	1810.463257	0.021875001	0.049566865	1811.525269	0.00625	-0.999712944
5/2/11 16:36	2885.997314	2	-0.27264905	1813.767944	0.015625	-0.62989068	1810.471924	0.021875001	0.049566865	1811.525269	0.00625	-0.991057873
5/2/11 16:36	2886.164795	2	-0.27264905	1813.767944	0.015625	-0.625563145	1810.476196	0.021875001	0.053896666	1811.529541	0.003125	-0.986729622
5/2/11 16:36	2886.332275	2	-0.27264905	1813.767944	0.015625	-0.621235371	1810.480591	0.021875001	0.053896666	1811.533936	0.00625	-0.982402325
5/2/11 16:36	2886.5	2	-0.27264905	1813.767944	0.015625	-0.616907835	1810.484863	0.021875001	0.058226466	1811.533936	0.003125	-0.978074074
5/2/11 16:36	2886.666992	2	-0.268321514	1813.772339	0.015625	-0.612580299	1810.489258	0.021875001	0.058226466	1811.538208	0.00625	-0.969419003
5/2/11 16:37	2886.834473	2	-0.268321514	1813.772339	0.015625	-0.608252764	1810.49353	0.021875001	0.062549591	1811.538208	0.00625	-0.965090752
5/2/11 16:37	2887.001465	2	-0.268321514	1813.772339	0.015625	-0.60392499	1810.497925	0.021875001	0.062549591	1811.538208	0.00625	-0.960763454
5/2/11 16:37	2887.168457	2	-0.268321514	1813.772339	0.015625	-0.599597454	1810.502197	0.021875001	0.062549591	1811.538208	0.00625	-0.95643568
5/2/11 16:37	2887.336426	2	-0.268321514	1813.772339	0.015625	-0.595269918	1810.50647	0.021875001	0.066879392	1811.538208	0.00625	-0.95210743
5/2/11 16:37	2887.503662	2	-0.26399374	1813.776611	0.015625	-0.590942383	1810.511963	0.021875001	0.066879392	1811.543579	0.003125	-0.947779655
5/2/11 16:37	2887.670654	2	-0.268321514	1813.772339	0.015625	-0.586614847	1810.516235	0.021875001	0.066879392	1811.543579	0.00625	-0.947779655

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW1_WLD	RW1_WLE	RW1_Flow	RW2_WLD	RW2_WLE	RW2_Flow	RW3_WLD	RW3_WLE	RW3_Flow	RW4_WLD
5/2/11 16:38	2887.838623	2	-0.26399374	1813.776611	0.015625	-0.582287073	1810.515137	0.021875001	0.071204782	1811.54248	0.003125	-0.943452358
5/2/11 16:38	2888.005615	2	-0.26399374	1813.776611	0.015625	-0.582287073	1810.519531	0.021875001	0.071204782	1811.546875	0.00625	-0.939124107
5/2/11 16:38	2888.172607	2	-0.26399374	1813.776611	0.015625	-0.577959538	1810.523804	0.021875001	0.071204782	1811.546875	0.00625	-0.934796333
5/2/11 16:38	2888.340088	2	-0.26399374	1813.776611	0.015625	-0.573632002	1810.523804	0.021875001	0.071204782	1811.546875	0.00625	-0.934796333
5/2/11 16:38	2888.507813	2	-0.26399374	1813.776611	0.015625	-0.573632002	1810.528198	0.021875001	0.071204782	1811.546875	0.00625	-0.930469036
5/2/11 16:38	2888.675293	2	-0.26399374	1813.776611	0.015625	-0.569304466	1810.532471	0.021875001	0.075534582	1811.551147	0.00625	-0.926141262
5/2/11 16:39	2888.843018	2	-0.26399374	1813.776611	0.015625	-0.564972401	1810.536865	0.021875001	0.075534582	1811.551147	0.00625	-0.921813011
5/2/11 16:39	2889.01123	2	-0.259665728	1813.780884	0.015625	-0.560649157	1810.541138	0.021875001	0.075534582	1811.551147	0.00625	-0.921813011
5/2/11 16:39	2889.162354	2	-0.259665728	1813.780884	0.015625	-0.560649157	1810.541138	0.021875001	0.075534582	1811.550171	0.00625	-0.917485714
5/2/11 16:39	2889.32959	2	-0.259665728	1813.780884	0.015625	-0.556317329	1810.545532	0.021875001	0.075534582	1811.551147	0.00625	-0.917485714
5/2/11 16:39	2889.49707	2	-0.259665728	1813.780884	0.015625	-0.556317329	1810.545532	0.021875001	0.078807831	1811.551147	0.00625	-0.91315794
5/2/11 16:39	2889.664307	2	-0.259665728	1813.780884	0.015625	-0.551994085	1810.549805	0.021875001	0.079859972	1811.555542	0.00625	-0.91315794
5/2/11 16:40	2889.832275	2	-0.259665728	1813.780884	0.015625	-0.551994085	1810.554077	0.021875001	0.079859972	1811.555542	0.00625	-0.908829689
5/2/11 16:41	2891.508057	2	-0.255337954	1813.785278	0.015625	-0.526024103	1810.575806	0.021875001	0.083137631	1811.559814	0.00625	-0.887191296
5/2/11 16:43	2893.16748	2	-0.251010418	1813.789551	0.015625	-0.509765863	1810.593018	0.021875001	0.087467432	1811.56311	0.003125	-0.869880676
5/2/11 16:45	2894.841064	2	-0.246682882	1813.793945	0.015625	-0.491403341	1810.606079	0.021875001	0.092844963	1811.567505	0.003125	-0.856897354
5/2/11 16:46	2896.497559	2	-0.242354631	1813.798218	0.015625	-0.478420734	1810.623413	0.021875001	0.092844963	1811.568481	0.00625	-0.843913078
5/2/11 16:48	2898.169922	2	-0.242354631	1813.798218	0.015625	-0.469765425	1810.63208	0.021875001	0.097174764	1811.572876	0.003125	-0.830929756
5/2/11 16:50	2899.843506	2	-0.238027096	1813.802612	0.015625	-0.456782818	1810.64502	0.021875001	0.101500154	1811.572876	0.00625	-0.822274685
5/2/11 16:51	2901.503418	2	-0.238027096	1813.802612	0.015625	-0.452450752	1810.649292	0.021875001	0.101500154	1811.577148	0.00625	-0.813619137
5/2/11 16:53	2903.176758	2	-0.238027096	1813.802612	0.015625	-0.443795681	1810.657959	0.021875001	0.106882095	1811.577148	0.00625	-0.804964066
5/2/11 16:55	2904.835693	2	-0.233699322	1813.802612	0.015625	-0.43408823	1810.666626	0.021875001	0.106882095	1811.581543	0.00625	-0.791980743
5/2/11 16:56	2906.510254	2	-0.233699322	1813.806885	0.015625	-0.4264853	1810.675293	0.021875001	0.105829954	1811.585815	0.003125	-0.787652493
5/2/11 16:58	2908.16748	2	-0.233699322	1813.806885	0.015625	-0.422157764	1810.679688	0.021875001	0.110155344	1811.585815	0.00625	-0.778997421
5/2/11 17:00	2909.848389	2	-0.233699322	1813.806885	0.015625	-0.41782999	1810.68396	0.021875001	0.110155344	1811.585815	0.00625	-0.770341396
5/2/11 17:01	2911.50415	2	-0.229371548	1813.811279	0.015625	-0.413502455	1810.688232	0.021875001	0.110155344	1811.585815	0.00625	-0.761686325
5/2/11 17:03	2913.175781	2	-0.229371548	1813.811279	0.015625	-0.404847383	1810.696899	0.021875001	0.110155344	1811.585815	0.00625	-0.7530303
5/2/11 17:05	2914.830811	2	-0.229371548	1813.811279	0.015625	-0.400524139	1810.701294	0.021875001	0.114485025	1811.591187	0.00625	-0.748703003
5/2/11 17:06	2916.507813	2	-0.225043774	1813.815552	0.015625	-0.395139933	1810.706665	0.021875001	0.115537286	1811.591187	0.00625	-0.744374752
5/2/11 17:08	2918.165527	2	-0.229371548	1813.811279	0.015625	-0.390812397	1810.710938	0.021875001	0.115537286	1811.591187	0.00625	-0.735719681
5/2/11 17:10	2919.839355	2	-0.225043774	1813.815552	0.015625	-0.386484861	1810.715332	0.021875001	0.115537286	1811.591187	0.00625	-0.73139143
5/2/11 17:11	2921.49707	2	-0.229371548	1813.815552	0.015625	-0.386484861	1810.718628	0.021875001	0.11881268	1811.594482	0.00625	-0.722735882
5/2/11 17:13	2923.171387	2	-0.225043774	1813.815552	0.015625	-0.378881693	1810.718628	0.021875001	0.119864821	1811.594482	0.00625	-0.718408108
5/2/11 17:15	2924.830078	2	-0.225043774	1813.815552	0.0125	-0.377829552	1810.7229	0.021875001	0.11881268	1811.595459	0.00625	-0.714080811
5/2/11 17:16	2926.505615	2	-0.225043774	1813.815552	0.015625	-0.374554157	1810.727295	0.021875001	0.123140216	1811.594482	0.00625	-0.70975256
5/2/11 17:18	2928.177979	2	-0.225043774	1813.815552	0.015625	-0.37022233	1810.731567	0.021875001	0.123140216	1811.598755	0.00625	-0.705425739
5/2/11 17:20	2929.83374	2	-0.225043774	1813.815552	0.015625	-0.365899086	1810.73584	0.021875001	0.123140216	1811.598755	0.00625	-0.701097488
5/2/11 17:21	2931.507813	2	-0.225043774	1813.815552	0.015625	-0.36156702	1810.740234	0.021875001	0.123140216	1811.598755	0.003125	-0.692441463
5/2/11 17:23	2933.163086	2	-0.225043774	1813.815552	0.015625	-0.36156702	1810.740234	0.021875001	0.123140216	1811.598755	0.00625	-0.688114166
5/2/11 17:25	2934.838135	2	-0.225043774	1813.815552	0.015625	-0.357243776	1810.744507	0.021875001	0.123140216	1811.598755	0.00625	-0.683786392
5/2/11 17:26	2936.497559	2	-0.225043774	1813.819824	0.015625	-0.357243776	1810.744507	0.021875001	0.127467871	1811.598755	0.00625	-0.679458618
5/2/11 17:28	2938.172119	2	-0.225043774	1813.815552	0.015625	-0.352916241	1810.748901	0.021875001	0.123140216	1811.603149	0.00625	-0.675130844
5/2/11 17:30	2939.829346	2	-0.220716	1813.819824	0.015625	-0.349640846	1810.752197	0.021875001	0.12641561	1811.603149	0.00625	-0.675130844
5/2/11 17:31	2941.505127	2	-0.220716	1813.819824	0.015625	-0.348588705	1810.753174	0.021875001	0.127467871	1811.603149	0.00625	-0.666475296
5/2/11 17:33	2943.163086	2	-0.220716	1813.819824	0.015625	-0.344261169	1810.757568	0.021875001	0.127467871	1811.603149	0.00625	-0.662147522
5/2/11 17:35	2944.84375	2	-0.216388226	1813.824219	0.015625	-0.339929104	1810.761841	0.021875001	0.127467871	1811.603149	0.00625	-0.657819748
5/2/11 17:36	2946.500977	2	-0.216388226	1813.824219	0.015625	-0.339929104	1810.761841	0.021875001	0.127467871	1811.603149	0.00625	-0.653491974
5/2/11 17:38	2948.172363	2	-0.220716	1813.819824	0.015625	-0.340981245	1810.760864	0.021875001	0.12641561	1811.602051	0.00625	-0.6491642

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW1_WLD	RW1_WLE	RW1_Flow	RW2_WLD	RW2_WLE	RW2_Flow	RW3_WLD	RW3_WLE	RW3_Flow	RW4_WLD
5/2/11 17:40	2949.829346	2	-0.220716	1813.819824	0.015625	-0.336658001	1810.765137	0.021875001	0.130741	1811.606445	0.00625	-0.6491642
5/2/11 17:41	2951.501221	2	-0.216388226	1813.824219	0.015625	-0.332326174	1810.765137	0.021875001	0.130741	1811.606445	0.00625	-0.644836426
5/2/11 17:43	2953.163086	2	-0.220716	1813.824219	0.015625	-0.332326174	1810.769531	0.021875001	0.130741	1811.606445	0.00625	-0.640509129
5/2/11 17:45	2954.836182	2	-0.220716	1813.819824	0.015625	-0.32800293	1810.773804	0.021875001	0.130741	1811.606445	0.00625	-0.640509129
5/2/11 17:46	2956.494385	2	-0.216388226	1813.824219	0.015625	-0.32800293	1810.773804	0.021875001	0.130741	1811.606445	0.00625	-0.636180878
5/2/11 17:48	2958.168701	2	-0.220716	1813.819824	0.015625	-0.322618723	1810.779175	0.021875001	0.131793261	1811.607422	0.00625	-0.631852627
5/2/11 17:50	2959.825439	2	-0.216388226	1813.824219	0.015625	-0.322618723	1810.779175	0.021875001	0.131793261	1811.607422	0.00625	-0.631852627
5/2/11 17:51	2961.499512	2	-0.216388226	1813.824219	0.015625	-0.322618723	1810.779175	0.021875001	0.131793261	1811.607422	0.00625	-0.627525806
5/2/11 17:53	2963.174805	2	-0.216388226	1813.824219	0.015625	-0.317243338	1810.784546	0.021875001	0.132845402	1811.608521	0.00625	-0.623197556
5/2/11 17:55	2964.831543	2	-0.216388226	1813.824219	0.015625	-0.318295479	1810.783447	0.021875001	0.132845402	1811.607422	0.00625	-0.618869305
5/2/11 17:56	2966.50415	2	-0.216388226	1813.824219	0.015625	-0.31291151	1810.787842	0.021875001	0.132845402	1811.607422	0.00625	-0.614542484
5/2/11 17:58	2968.158691	2	-0.216388226	1813.824219	0.015625	-0.313963652	1810.787842	0.021875001	0.136123061	1811.611816	0.00625	-0.610214233
5/2/11 18:00	2969.833008	2	-0.216388226	1813.824219	0.015625	-0.309636116	1810.792114	0.021875001	0.136123061	1811.611816	0.00625	-0.605886459
5/2/11 18:01	2971.505371	2	-0.216388226	1813.824219	0.015625	-0.309636116	1810.791138	0.021875001	0.136123061	1811.610718	0.00625	-0.605886459
5/2/11 18:03	2973.160889	2	-0.212060452	1813.828491	0.015625	-0.309636116	1810.792114	0.021875001	0.136123061	1811.611816	0.003125	-0.605886459
5/2/11 18:05	2974.834961	2	-0.216388226	1813.824219	0.015625	-0.306360722	1810.796509	0.021875001	0.136123061	1811.611816	0.00625	-0.601558685
5/2/11 18:06	2976.494141	2	-0.212060452	1813.828491	0.015625	-0.305308342	1810.796509	0.021875001	0.136123061	1811.611816	0.003125	-0.601558685
5/2/11 18:08	2978.166992	2	-0.212060452	1813.828491	0.015625	-0.300980806	1810.796509	0.021875001	0.136123061	1811.611816	0.00625	-0.597230911
5/2/11 18:10	2979.824951	2	-0.216388226	1813.824219	0.015625	-0.300980806	1810.800781	0.021875001	0.136123061	1811.611816	0.003125	-0.592903137
5/2/11 18:26	2996.491211	2	-0.203404665	1813.832886	0.015625	-0.283670425	1810.813843	0.021875001	0.140452862	1811.616089	0.003125	-0.566936493
5/2/11 18:43	3013.151855	2	-0.203404665	1813.837158	0.015625	-0.271856546	1810.829956	0.021875001	0.14361155	1811.619263	0.003125	-0.545297623
5/2/11 19:00	3029.817139	2	-0.203404665	1813.837158	0.015625	-0.258873701	1810.84729	0.021875001	0.14793694	1811.623535	0.003125	-0.527987003
5/2/11 19:16	3046.488525	2	-0.194749355	1813.845825	0.015625	-0.243780136	1810.858032	0.021875001	0.150043488	1811.625732	0.00625	-0.510675907
5/2/11 19:33	3063.14917	2	-0.190421581	1813.85022	0.015625	-0.234072685	1810.867676	0.021875001	0.155425429	1811.631104	0.00625	-0.497692108
5/2/11 19:50	3079.807373	2	-0.190421581	1813.85022	0.015625	-0.224365473	1810.877441	0.021875001	0.15647769	1811.63208	0.00625	-0.480381489
5/2/11 20:06	3096.469727	2	-0.186094046	1813.854492	0.015625	-0.213610172	1810.888184	0.021875001	0.158581972	1811.634277	0.00625	-0.46739769
5/2/11 20:23	3113.129639	2	-0.181766033	1813.858887	0.015625	-0.204955101	1810.901123	0.021875001	0.158581972	1811.634277	0.00625	-0.458742619
5/2/11 20:40	3129.793701	2	-0.181766033	1813.858887	0.015625	-0.198404312	1810.903442	0.021875001	0.16080308	1811.636475	0.003125	-0.454414368
5/2/11 20:56	3146.45459	2	-0.190421581	1813.85022	0.015625	-0.192903519	1810.908936	0.021875001	0.157644272	1811.633301	0.00625	-0.450087547
5/2/11 21:13	3163.114014	2	-0.194749355	1813.845825	0.015625	-0.187407017	1810.914429	0.021875001	0.154485583	1811.634521	0.00625	-0.445759296
5/2/11 21:30	3179.77417	2	-0.199077129	1813.841553	0.015625	-0.180856228	1810.920898	0.021875001	0.156710982	1811.632324	0.003125	-0.441431999
5/2/11 21:46	3196.448975	2	-0.194749355	1813.845825	0.015625	-0.172200918	1810.929565	0.021875001	0.161036372	1811.636719	0.003125	-0.432775974
5/2/11 22:03	3213.112305	2	-0.190421581	1813.85022	0.015625	-0.164597988	1810.937256	0.021875001	0.164313912	1811.640015	0.003125	-0.424120426
5/2/11 22:20	3229.762207	2	-0.194749355	1813.845825	0.015625	-0.156997204	1810.944824	0.021875001	0.167589426	1811.643311	0.00625	-0.419793129
5/2/11 22:36	3246.440918	2	-0.190421581	1813.85022	0.015625	-0.148342133	1810.953491	0.021875001	0.167589426	1811.647583	0.00625	-0.411137104
5/2/11 22:53	3263.09668	2	-0.190421581	1813.85022	0.015625	-0.136411428	1810.965332	0.021875001	0.170862556	1811.646484	0.00625	-0.402482033
5/2/11 23:10	3279.762939	2	-0.186094046	1813.854492	0.015625	-0.132079601	1810.969727	0.021875001	0.175192356	1811.650879	0.00625	-0.393826008
5/2/11 23:26	3296.420654	2	-0.177438259	1813.863159	0.015625	-0.121317863	1810.980469	0.021875001	0.181622148	1811.657227	0.00625	-0.380842686
5/2/11 23:43	3313.076416	2	-0.177438259	1813.863159	0.015625	-0.111614704	1810.990234	0.021875001	0.187004089	1811.662598	0.00625	-0.372187614
5/3/11 0:00	3329.742676	2	-0.168782711	1813.871826	0.015625	-0.104011774	1810.998779	0.021875001	0.185951948	1811.662598	0.003125	-0.363532066
5/3/11 0:16	3346.402344	2	-0.177438259	1813.863159	0.015625	-0.101786375	1811	0.021875001	0.188170671	1811.659546	0.003125	-0.363532066
5/3/11 0:33	3363.072754	2	-0.168782711	1813.871826	0.015625	-0.091024637	1811.010742	0.021875001	0.190277338	1811.665894	0.003125	-0.354876041
5/3/11 0:50	3379.732666	2	-0.168782711	1813.871826	0.015625	-0.08564496	1811.016113	0.021875001	0.19565928	1811.671265	0.003125	-0.34622097
5/3/11 1:06	3396.395752	2	-0.164454937	1813.876099	0.015625	-0.079096317	1811.022705	0.021875001	0.194607019	1811.669189	0.003125	-0.341893196
5/3/11 1:23	3413.05835	2	-0.164454937	1813.876099	0.015625	-0.075820923	1811.026001	0.021875001	0.196830273	1811.672485	0.00625	-0.337565422
5/3/11 1:40	3429.727051	2	-0.164454937	1813.876099	0.015625	-0.072547674	1811.029297	0.021875001	0.195775867	1811.675781	0.003125	-0.333237171
5/3/11 1:56	3446.391113	2	-0.160127163	1813.880493	0.015625	-0.060731649	1811.041016	0.021875001	0.20431447	1811.678955	0.00625	-0.3245821
5/3/11 2:13	3463.042725	2	-0.151471615	1813.88916	0.015625	-0.053247452	1811.052856	0.021875001	0.206418753	1811.682129	0.003125	-0.311598778

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW1_WLD	RW1_WLE	RW1_Flow	RW2_WLD	RW2_WLE	RW2_Flow	RW3_WLD	RW3_WLE	RW3_Flow	RW4_WLD
5/3/11 2:30	3479.713379	2	-0.147144318	1813.893433	0.015625	-0.043540001	1811.058228	0.021875001	0.211800694	1811.683105	0.003125	-0.302942753
5/3/11 2:46	3496.380371	2	-0.147144318	1813.893433	0.015625	-0.039212465	1811.062622	0.021875001	0.211800694	1811.6875	0.003125	-0.298615932
5/3/11 3:03	3513.043945	2	-0.142816067	1813.897827	0.015625	-0.037106037	1811.064697	0.021875001	0.213907361	1811.689575	0.003125	-0.289959431
5/3/11 3:20	3529.691406	2	-0.142816067	1813.897827	0.015625	-0.032778263	1811.06897	0.021875001	0.213907361	1811.688477	0.003125	-0.289959431
5/3/11 3:36	3546.360107	2	-0.142816067	1813.897827	0.015625	-0.025175333	1811.072266	0.021875001	0.212855101	1811.688477	0.003125	-0.289959431
5/3/11 3:53	3563.018555	2	-0.142816067	1813.897827	0.015625	-0.024123192	1811.077637	0.021875001	0.213907361	1811.689575	0.003125	-0.281304359
5/3/11 4:10	3579.686279	2	-0.142816067	1813.897827	0.015625	-0.020843267	1811.080933	0.021875001	0.21718049	1811.692871	0.003125	-0.281304359
5/3/11 4:26	3596.3479	2	-0.142816067	1813.897827	0.015625	-0.016520262	1811.085327	0.021875001	0.21718049	1811.692871	0.003125	-0.281304359
5/3/11 4:43	3613.010254	2	-0.138488293	1813.9021	0.015625	-0.012188196	1811.0896	0.021875001	0.21718049	1811.693848	0.003125	-0.272648811
5/3/11 5:00	3629.672119	2	-0.134160995	1813.906494	0.015625	-0.004706144	1811.097046	0.021875001	0.220339298	1811.696045	0.003125	-0.26399374
5/3/11 5:16	3646.336182	2	-0.129833221	1813.910767	0.015625	-0.000374317	1811.10144	0.021875001	0.220339298	1811.700317	0.003125	-0.259665489
5/3/11 5:33	3663.001953	2	-0.125505447	1813.915039	0.015625	0.000677824	1811.102417	0.021875001	0.22572124	1811.700317	0.00625	-0.255337715
5/3/11 5:50	3679.670898	2	-0.125505447	1813.915039	0.015625	0.006053209	1811.10791	0.021875001	0.226773381	1811.702393	0.003125	-0.251010418
5/3/11 6:06	3696.331787	2	-0.129833221	1813.910767	0.015625	0.010385275	1811.112183	0.021875001	0.227825642	1811.703491	0.003125	-0.246682167
5/3/11 6:23	3712.993896	2	-0.125505447	1813.915039	0.015625	0.011437416	1811.113281	0.021875001	0.227825642	1811.703491	0.003125	-0.246682167
5/3/11 6:40	3729.658936	2	-0.129833221	1813.910767	0.015625	0.012608528	1811.11438	0.021875001	0.224669099	1811.700317	0.003125	-0.246682167
5/3/11 6:56	3746.32373	2	-0.129833221	1813.910767	0.015625	0.015883923	1811.117676	0.021875001	0.223616838	1811.699219	0.003125	-0.246682167
5/3/11 7:13	3762.977051	2	-0.134160995	1813.906494	0.015625	0.01810503	1811.119873	0.021875001	0.221510291	1811.697144	0.003125	-0.246682167
5/3/11 7:30	3779.631836	2	-0.138488293	1813.9021	0.015625	0.021373749	1811.118896	0.021875001	0.224781275	1811.700439	0.00625	-0.251010418
5/3/11 7:46	3796.299805	2	-0.142816067	1813.897827	0.015625	0.022549152	1811.12439	0.021875001	0.221624732	1811.697266	0.003125	-0.251010418
5/3/11 8:03	3812.957275	2	-0.142816067	1813.897827	0.015625	0.025820255	1811.126587	0.021875001	0.223847985	1811.699463	0.00625	-0.251010418
5/3/11 8:20	3829.635986	2	-0.142816067	1813.897827	0.015625	0.028045654	1811.129883	0.021875001	0.227125645	1811.702759	0.00625	-0.251010418
5/3/11 8:36	3846.294678	2	-0.138488293	1813.9021	0.015625	0.032373428	1811.134155	0.021875001	0.231451035	1811.703857	0.003125	-0.242354393
5/3/11 8:53	3862.959473	2	-0.142816067	1813.897827	0.015625	0.035646439	1811.137451	0.021875001	0.230396628	1811.706055	0.003125	-0.242354393
5/3/11 9:10	3879.622559	2	-0.138488293	1813.9021	0.015625	0.04430151	1811.141724	0.021875001	0.234724164	1811.710327	0.00625	-0.238027096
5/3/11 11:56	4046.251953	2	-0.108194351	1813.932373	0.015625	0.087346077	1811.189087	0.021875001	0.26151073	1811.732788	0.003125	-0.186093807
5/3/11 14:43	4212.864746	2	-0.073572159	1813.967041	0.015625	0.108286381	1811.210083	0.021875001	0.259763002	1811.735474	0.003125	-0.134160519
5/3/11 17:30	4379.499023	2	-0.051933289	1813.988647	0.015625	0.11086607	1811.212646	0.021875001	0.240696073	1811.720703	0.003125	-0.108193874
5/3/11 20:16	4546.123535	2	-0.06058836	1813.97998	0.015625	0.105134487	1811.206909	0.021875001	0.226311207	1811.701904	0.003125	-0.112521648
5/3/11 23:03	4712.740234	2	-0.082227707	1813.958374	0.015625	0.118469238	1811.220215	0.021875001	0.226661086	1811.703369	0.003125	-0.129832745
5/4/11 1:50	4879.361328	2	-0.06058836	1813.97998	0.015625	0.148641109	1811.250488	0.021875001	0.248180151	1811.722778	0.003125	-0.095210552
5/4/11 4:36	5045.989746	2	-0.017311096	1814.023315	0.015625	0.17402792	1811.275879	0.021875001	0.260579705	1811.736206	0.003125	-0.056260586
5/4/11 7:23	5212.611328	2	-0.017311096	1814.023315	0.015625	0.167124748	1811.268921	0.021875001	0.240700483	1811.716309	0.003125	-0.051932812
5/4/11 10:10	5379.241699	2	0.004327774	1814.044922	0.015625	0.170875549	1811.272705	0.021875001	0.240117192	1811.71582	0.003125	-0.025966644
5/4/11 12:56	5545.875	2	0.038949966	1814.07959	0.015625	0.190526009	1811.292358	0.021875001	0.229476452	1811.705078	0.003125	0.012983322
5/4/11 15:43	5712.501953	2	0.047605038	1814.088257	0.015625	0.151461124	1811.253296	0.021875001	0.190413713	1811.67041	0.003125	0.043278217
5/4/11 18:30	5879.104492	2	-0.030294418	1814.010254	0.015625	0.098006725	1811.199829	0.021875001	0.132627487	1811.607178	0.003125	-0.03894949
5/4/11 21:16	6045.73584	2	-0.082227707	1813.958374	0.015625	0.106070042	1811.207886	0.021875001	0.140694976	1811.616333	0.003125	-0.077898979
5/5/11 0:03	6212.348145	2	-0.047605515	1813.993042	0.015625	0.200112343	1811.30188	0.021875001	0.234732985	1811.714722	0.003125	-0.04327774
5/5/11 2:50	6378.972168	2	-0.02163887	1814.018921	0.015625	0.249115944	1811.350952	0.021875001	0.275083423	1811.750732	0.003125	-0.017310619
5/5/11 5:36	6545.602539	2	0.004327774	1814.044922	0.015625	0.280346394	1811.38208	0.021875001	0.294385791	1811.77002	0.003125	0.008656025
5/5/11 8:23	6712.226074	2	-0.012983322	1814.027588	0.015625	0.279646397	1811.380371	0.021875001	0.29157722	1811.768311	0.003125	-0.008655548
5/5/11 11:10	6878.849121	2	0	1814.040649	0.015625	0.302455425	1811.404297	0.021875001	0.30245769	1811.782471	0.003125	0.012983322
5/5/11 13:56	7045.460449	2	0.04327774	1814.083862	0.015625	0.318013668	1811.424072	0.021875001	0.313686252	1811.793701	0.003125	0.056261063
5/5/11 16:43	7212.100098	2	0.064916134	1814.105469	0.015625	0.315209389	1811.416992	0.021875001	0.302224517	1811.777832	0.003125	0.073572636
5/5/11 19:30	7378.706543	2	0.064916134	1814.105469	0.015625	0.298369884	1811.400146	0.021875001	0.281055331	1811.756714	0.003125	0.073572636
5/5/11 22:16	7545.33252	2	0.04327774	1814.083862	0.015625	0.277780056	1811.379639	0.021875001	0.260471821	1811.736084	0.003125	0.047605515
5/6/11 1:03	7711.962891	2	0.064916134	1814.105469	0.015625	0.288191795	1811.390015	0.021875001	0.263278365	1811.737915	0.003125	0.069244385

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW1_WLD	RW1_WLE	RW1_Flow	RW2_WLD	RW2_WLE	RW2_Flow	RW3_WLD	RW3_WLE	RW3_Flow	RW4_WLD
5/6/11 3:50	7878.583496	2	0.095210552	1814.135864	0.015625	0.286206245	1811.387939	0.021875001	0.255913019	1811.731567	0.003125	0.099538326
5/6/11 6:36	8045.212402	2	0.1038661	1814.144531	0.015625	0.264808178	1811.366577	0.021875001	0.225857735	1811.701538	0.003125	0.108194351
5/6/11 9:23	8211.827148	2	0.134160519	1814.174805	0.015625	0.250656605	1811.352417	0.021875001	0.211706042	1811.687378	0.003125	0.138488293
5/6/11 12:10	8378.449219	2	0.138488293	1814.179077	0.015625	0.214752674	1811.316528	0.021875001	0.162819386	1811.638428	0.00625	0.155799389
5/6/11 14:56	8545.080078	2	0.134160519	1814.174805	0.015625	0.163054943	1811.264893	0.021875001	0.115451455	1811.591064	0.003125	0.151471615
5/6/11 17:43	8711.694336	2	0.095210552	1814.135864	0.015625	0.110067368	1811.216187	0.021875001	0.066795826	1811.538086	0.003125	0.108194351
5/6/11 20:30	8878.321289	2	0.034621716	1814.070923	0.015625	0.097903252	1811.199707	0.021875001	0.050295472	1811.526001	0.003125	0.051933289
5/6/11 23:16	9044.9375	2	0.060588837	1814.101196	0.015625	0.144806862	1811.246582	0.021875001	0.105856299	1811.581543	0.003125	0.077899456
5/7/11 2:03	9211.568359	2	0.069243908	1814.109863	0.015625	0.151236534	1811.253052	0.021875001	0.103633046	1811.579346	0.003125	0.086555958
5/7/11 4:50	9378.192383	2	0.060588837	1814.101196	0.015625	0.165738106	1811.267578	0.021875001	0.118136883	1811.598145	0.003125	0.086555958
5/7/11 7:36	9544.799805	2	0.060588837	1814.101196	0.015625	0.177902222	1811.279663	0.021875001	0.130298615	1811.605957	0.003125	0.082227707
5/7/11 10:23	9711.43457	2	0.047605038	1814.092529	0.015625	0.200244427	1811.302002	0.021875001	0.161291718	1811.636963	0.003125	0.073572636
5/7/11 13:10	9878.050781	2	0.095210552	1814.135864	0.015625	0.238959312	1811.340698	0.021875001	0.195681214	1811.671387	0.003125	0.121177197
5/7/11 15:56	10044.66895	2	0.125504971	1814.166138	0.015625	0.244805813	1811.350952	0.021875001	0.197202325	1811.672852	0.003125	0.151471615
5/7/11 16:32	10080.00195	3	0.129832745	1814.17041	0.015625	0.244695663	1812.140625	0.021875001	0.192762494	1811.73877	0.003125	0.155799389
5/7/11 16:32	10080.16895	3	-0.177438259	1813.863159	16.56562614	-1.086153746	1809.803589	49.45937347	-0.229256511	1811.12085	11.125	-2.142242432
5/7/11 16:32	10080.32031	3	-0.575592518	1813.464966	13.24999905	-2.497002006	1808.49231	48.00625229	-0.843795776	1810.579956	9.665624619	-4.435956717
5/7/11 16:32	10080.4873	3	-0.735719681	1813.287598	0.184375003	-3.02066201	1807.778198	48.53437424	-1.034220576	1810.402466	6.412500381	-4.020491362
5/7/11 16:32	10080.65527	3	-0.731391907	1813.309204	0.015625	-2.198389769	1809.171753	8.681250572	-0.921698928	1810.588623	4.293749809	-3.920952797
5/7/11 16:32	10080.83887	3	-0.727064371	1813.313477	0.015625	-1.332839489	1809.907471	13.79062557	-0.735603929	1810.761719	3.543749809	-3.990196943
5/7/11 16:33	10080.99023	3	-0.675131083	1813.365479	0.015625	-0.826485395	1810.470093	14.07500076	-0.705308557	1810.791992	4.224999905	-3.998852491
5/7/11 16:33	10081.1582	3	-0.688114405	1813.348145	0.015625	-0.346105814	1810.461426	14.14999962	-0.713963747	1810.761719	4.737500191	-4.007508039
5/7/11 16:33	10081.3252	3	-0.683786392	1813.356812	0.015625	-0.800524235	1810.461426	12.48750019	-0.744259059	1810.70105	4.440625191	-4.003180265
5/7/11 16:33	10081.49219	3	-0.718408585	1813.322144	0.015625	-0.363415956	1810.738403	14.453125	-0.718293548	1810.731445	4.346875191	-4.007508039
5/7/11 16:33	10081.65918	3	-0.731391907	1813.309204	0.015625	-0.441317081	1810.660522	14.53749943	-0.800522089	1810.696777	4.193749905	-4.003180265
5/7/11 16:34	10081.82715	3	-0.662147522	1813.378418	0.015625	-0.255222082	1810.846558	13.25937462	-0.744259059	1810.722778	4.128124714	-4.003180265
5/7/11 16:34	10081.99414	3	-0.683786392	1813.356812	0.015625	-0.29417038	1810.807617	14.79062462	-0.722618937	1810.753052	3.943749905	-4.003180265
5/7/11 16:34	10082.16113	3	-0.683786392	1813.356812	0.015625	-0.848127842	1810.253662	2.309375048	-0.731274128	1810.727051	3.887499809	-4.003180265
5/7/11 16:34	10082.32813	3	-0.683786392	1813.356812	0.015625	-1.423721075	1809.678101	0.021875001	-0.726948738	1810.735718	3.753124952	-3.998852491
5/7/11 16:34	10082.49512	3	-0.696769953	1813.343872	0.015625	-0.527868748	1810.573975	0.021875001	-0.731274128	1810.757324	3.903124809	-3.994524479
5/7/11 16:34	10082.66211	3	-0.683786392	1813.356812	0.015625	-0.095096827	1811.006714	0.021875001	-0.73993367	1810.757324	3.903124809	-3.994524479
5/7/11 16:35	10082.8291	3	-0.696769953	1813.343872	0.015625	-0.323415518	1810.77832	0.021875001	-0.731274128	1810.723755	3.703124762	-3.994524479
5/7/11 16:35	10082.99707	3	-0.679458857	1813.356812	0.015625	-0.562493801	1810.539307	0.021875001	-0.735603929	1810.744385	3.909375191	-3.994524479
5/7/11 16:35	10083.16309	3	-0.683786392	1813.348145	0.015625	-0.770226717	1810.331543	0.021875001	-0.731274128	1810.727051	3.765625238	-3.985869169
5/7/11 16:35	10083.33008	3	-0.679458857	1813.361084	0.015625	-0.584131718	1810.5177	0.021875001	-0.75291425	1810.722778	3.665624857	-3.990196943
5/7/11 16:35	10083.49805	3	-0.688114405	1813.352539	0.015625	0.043394566	1810.751343	0.021875001	-0.757244051	1810.757324	3.603125095	-3.994524479
5/7/11 16:35	10083.66504	3	-0.683786392	1813.356812	0.015625	-0.281191826	1811.12793	0.021875001	-0.73993367	1810.731445	3.750000238	-3.994524479
5/7/11 16:36	10083.83203	3	-0.683786392	1813.356812	0.015625	-0.372075558	1810.6875	0.021875001	-0.713963747	1810.684814	3.640625	-3.990196943
5/7/11 16:36	10084	3	-0.679458857	1813.352539	0.015625	-0.731274128	1810.786987	0.021875001	-0.726948738	1810.749756	3.5625	-3.998852491
5/7/11 16:36	10084.16699	3	-0.679458857	1813.361084	0.015625	-0.337450504	1810.882202	0.021875001	-0.726948738	1810.710815	3.546875	-3.994524479
5/7/11 16:36	10084.33398	3	-0.688114405	1813.352539	0.015625	-0.090769291	1810.664795	0.021875001	-0.709638357	1810.722778	3.831249952	-3.990196943
5/7/11 16:36	10084.50098	3	-0.688114405	1813.352539	0.015625	-0.281191826	1810.521973	0.021875001	-0.705308557	1810.753052	3.690624952	-3.994524479
5/7/11 16:36	10084.66895	3	-0.683786392	1813.356812	0.015625	-0.311485052	1810.647461	0.021875001	-0.726948738	1810.73999	3.631249905	-3.990196943
5/7/11 16:37	10084.83594	3	-0.679458857	1813.361084	0.015625	-0.856782913	1810.028564	0.021875001	-0.73993367	1810.731445	3.571875095	-3.990196943
5/7/11 16:37	10085.00391	3	-0.683786392	1813.356812	0.015625	-0.760514975	1810.124878	0.021875001	-0.760515034	1810.697876	3.700000048	-3.990196943
5/7/11 16:37	10085.1709	3	-0.679458857	1813.361084	0.015625	-0.75724411	1810.220093	0.021875001	-0.757244051	1810.741089	3.493750095	-3.990196943
5/7/11 16:37	10085.33789	3	-0.679458857	1813.361084	0.015625	-0.731274128	1810.791382	0.021875001	-0.726948738	1810.719482	3.725000143	-3.994524479
5/7/11 16:37	10085.50684	3	-0.683786392	1813.356812	0.015625	-0.250898838	1810.703735	0.021875001	-0.700981021	1810.718384	3.599999905	-3.990196943

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW1_WLD	RW1_WLE	RW1_Flow	RW2_WLD	RW2_WLE	RW2_Flow	RW3_WLD	RW3_WLE	RW3_Flow	RW4_WLD
5/7/11 16:37	10085.67383	3	-0.679458857	1813.356812	0.015625	-0.657705069	1810.296997	0.021875001	-0.744259059	1810.774658	3.4375	-3.994524479
5/7/11 16:38	10085.8418	3	-0.679458857	1813.361084	0.015625	-0.549511194	1810.032959	0.021875001	-0.73993367	1810.757324	3.490624905	-3.990196943
5/7/11 16:38	10086.00781	3	-0.679458857	1813.361084	0.015625	-0.575476646	1810.526367	0.021875001	-0.744259059	1810.735718	3.490624905	-3.990196943
5/7/11 16:38	10086.17578	3	-0.683786392	1813.356812	0.015625	-0.415347099	1810.686401	0.021875001	-0.700981021	1810.73999	3.53125	-3.990196943
5/7/11 16:38	10086.32617	3	-0.683786392	1813.356812	0.015625	-0.527868748	1810.573975	0.021875001	-0.74858886	1810.722778	3.599999905	-3.994524479
5/7/11 16:38	10086.49316	3	-0.683786392	1813.356812	0.015625	-0.68261838	1810.419189	0.021875001	-0.75291425	1810.73999	3.584374905	-3.990196943
5/7/11 16:38	10086.66113	3	-0.696769953	1813.343872	0.015625	-0.796192408	1810.305664	0.021875001	-0.722618937	1810.731445	3.731250048	-3.990196943
5/7/11 16:39	10086.8291	3	-0.683786392	1813.356812	0.015625	-0.688002586	1810.413818	0.021875001	-0.709638357	1810.718384	3.640625	-3.990196943
5/7/11 16:39	10086.99609	3	-0.688114405	1813.352539	0.015625	-0.592787027	1810.504639	0.021875001	-0.744259059	1810.753052	3.459374905	-3.990196943
5/7/11 16:39	10087.16406	3	-0.670803308	1813.369751	0.015625	-0.419679165	1810.47876	0.021875001	-0.726948738	1810.765991	3.599999905	-3.994524479
5/7/11 16:39	10087.33203	3	-0.675131083	1813.365479	0.015625	-0.835140705	1810.764404	0.021875001	-0.735603929	1810.718384	3.762500048	-3.994524479
5/7/11 16:39	10087.49902	3	-0.679458857	1813.361084	0.015625	-0.610097408	1810.370483	0.021875001	-0.744259059	1810.727051	3.649999857	-3.990196943
5/7/11 16:39	10087.66699	3	-0.679458857	1813.361084	0.015625	-0.921701193	1810.093506	0.021875001	-0.744259059	1810.723755	3.746875048	-3.994524479
5/7/11 16:40	10087.83496	3	-0.679458857	1813.361084	0.015625	-0.479213238	1810.474365	0.021875001	-0.730221987	1810.706543	3.271875143	-3.994524479
5/7/11 16:40	10088.00195	3	-0.683786392	1813.356812	0.015625	-0.617700338	1810.626953	0.021875001	-0.717241406	1810.749756	3.596875191	-3.990196943
5/7/11 16:40	10088.16895	3	-0.679458857	1813.361084	0.015625	-0.359088421	1810.605225	0.021875001	-0.709638357	1810.749756	3.743749857	-3.990196943
5/7/11 16:40	10088.33594	3	-0.683786392	1813.343872	0.015625	-0.419679165	1810.30127	0.021875001	-0.770226777	1810.774658	3.625	-3.990196943
5/7/11 16:40	10088.50391	3	-0.688114405	1813.352539	0.015625	-0.718295813	1810.556641	0.021875001	-0.731274128	1810.714111	3.546875	-3.990196943
5/7/11 16:40	10088.67285	3	-0.683786392	1813.356812	0.015625	-0.506230831	1810.491699	0.021875001	-0.705308557	1810.753052	3.568749905	-3.990196943
5/7/11 16:41	10088.83984	3	-0.666475773	1813.374146	0.015625	-0.536528349	1810.431152	0.021875001	-0.718293548	1810.753052	3.634374857	-3.990196943
5/7/11 16:41	10089.00781	3	-0.688114405	1813.361084	0.015625	-0.61875248	1810.387817	0.021875001	-0.73993367	1810.718384	3.731250048	-3.994524479
5/7/11 16:41	10089.17676	3	-0.679458857	1813.361084	0.015625	-0.662032843	1810.439697	0.021875001	-0.74858886	1810.731445	3.484375	-3.990196943
5/7/11 16:41	10089.34473	3	-0.683786392	1813.356812	0.015625	-0.852455378	1810.24939	0.021875001	-0.75291425	1810.722778	3.740625143	-3.994524479
5/7/11 16:41	10089.51172	3	-0.679458857	1813.361084	0.015625	-0.688002586	1810.413818	0.021875001	-0.726948738	1810.692505	3.662500143	-3.990196943
5/7/11 16:41	10089.67871	3	-0.683786392	1813.356812	0.015625	-1.068839073	1810.032959	0.021875001	-0.735603929	1810.765991	3.4375	-3.990196943
5/7/11 16:42	10089.84668	3	-0.683786392	1813.356812	0.015625	-0.432661772	1810.669189	0.021875001	-0.731274128	1810.735718	3.803124905	-3.994524479
5/7/11 16:43	10091.50195	3	-0.683786392	1813.356812	0.015625	-0.510558367	1810.30127	0.021875001	-0.722618937	1810.744385	3.609375	-3.990196943
5/7/11 16:45	10093.17773	3	-0.675131083	1813.365479	0.015625	-0.653377533	1810.448364	0.021875001	-0.726948738	1810.779053	3.537499905	-3.990196943
5/7/11 16:47	10094.83496	3	-0.675131083	1813.365479	0.015625	-0.726950884	1810.270996	0.021875001	-0.69232583	1810.804932	3.446875095	-3.994524479
5/7/11 16:48	10096.50977	3	-0.670803308	1813.369751	0.015625	-0.552786589	1810.549072	0.021875001	-0.731274128	1810.709717	3.59375	-3.990196943
5/7/11 16:50	10098.17188	3	-0.683786392	1813.356812	0.015625	-0.605774164	1810.470093	0.021875001	-0.700981021	1810.753052	3.474999905	-3.990196943
5/7/11 16:52	10099.8457	3	-0.683786392	1813.356812	0.015625	-0.804847479	1810.296997	0.021875001	-0.700981021	1810.787598	3.518750191	-3.990196943
5/7/11 16:53	10101.50293	3	-0.679458857	1813.361084	0.015625	-0.817830324	1809.907471	0.021875001	-0.735603929	1810.73999	3.409374952	-3.990196943
5/7/11 16:55	10103.17676	3	-0.683786392	1813.356812	0.015625	-0.610097408	1810.491699	0.021875001	-0.731274128	1810.696777	3.440624952	-3.990196943
5/7/11 16:57	10104.83496	3	-0.683786392	1813.361084	0.015625	-0.861110449	1810.132446	0.021875001	-0.722618937	1810.710815	3.509375095	-3.990196943
5/7/11 16:58	10106.50684	3	-0.670803308	1813.369751	0.015625	-0.881696224	1810.176758	0.021875001	-0.75619185	1810.719482	3.362499952	-3.990196943
5/7/11 17:00	10108.16504	3	-0.688114405	1813.352539	0.015625	-0.743209124	1810.358643	0.021875001	-0.717241406	1810.741089	3.456249714	-3.994524479
5/7/11 17:02	10109.83984	3	-0.679458857	1813.361084	0.015625	-0.899006605	1810.289307	0.021875001	-0.760515034	1810.745483	3.318750143	-3.990196943
5/7/11 17:03	10111.49609	3	-0.662147522	1813.378418	0.015625	-1.206278563	1809.895508	0.021875001	-0.725896597	1810.702148	3.412499905	-3.990196943
5/7/11 17:05	10113.1709	3	-0.683786392	1813.356812	0.015625	-0.813502789	1810.253662	0.021875001	-0.75291425	1810.748657	3.274999857	-3.990196943
5/7/11 17:07	10114.82813	3	-0.666475773	1813.374146	0.015625	-0.929304123	1810.358643	0.021875001	-0.707534075	1810.710815	3.484375	-3.990196943
5/7/11 17:08	10116.50293	3	-0.666475773	1813.374146	0.015625	-1.08942914	1810.012329	0.021875001	-0.760515034	1810.75415	3.471874714	-3.990196943
5/7/11 17:10	10118.17578	3	-0.696769953	1813.343872	0.015625	-1.106739521	1810.362915	0.021875001	-0.738881528	1810.736816	3.459374905	-3.990196943
5/7/11 17:12	10119.83594	3	-0.666475773	1813.374146	0.015625	-1.200898647	1809.900879	0.021875001	-0.742154717	1810.737793	3.496874809	-3.990196943
5/7/11 17:13	10121.51074	3	-0.670803308	1813.369751	0.015625	-0.607992887	1810.194092	0.021875001	-0.742154717	1810.728149	3.262500048	-3.990196943
5/7/11 17:15	10123.16992	3	-0.657819986	1813.382813	0.015625	-0.452195406	1810.649658	0.021875001	-0.733499527	1810.711914	3.434374809	-3.994524479
5/7/11 17:17	10124.84375	3	-0.662147522	1813.378418	0.015625	-0.607992887	1810.121582	0.021875001	-0.711859465	1810.720459	3.506249905	-3.990196943
5/7/11 17:18	10126.50098	3	-0.649164677	1813.391479	0.015625	-1.110014915	1809.78833	0.021875001	-0.724844337	1810.755127	3.403125048	-3.994524479

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW1_WLD	RW1_WLE	RW1_Flow	RW2_WLD	RW2_WLE	RW2_Flow	RW3_WLD	RW3_WLE	RW3_Flow	RW4_WLD
5/7/11 17:20	10128.17578	3	-0.709753275	1813.330811	0.015625	-1.118670225	1810.0177	0.021875001	-0.750809908	1810.733521	3.284374952	-3.990196943
5/7/11 17:22	10129.83301	3	-0.714080811	1813.326538	0.015625	-0.923919916	1810.177856	0.021875001	-0.733499527	1810.763794	3.281249762	-3.998852491
5/7/11 17:23	10131.50684	3	-0.683786392	1813.356812	0.015625	-0.962872744	1810.20813	0.021875001	-0.703204274	1810.720459	3.400000095	-3.990196943
5/7/11 17:25	10133.16504	3	-0.705425501	1813.335205	0.015625	-1.036441565	1810.24707	0.021875001	-0.703204274	1810.763794	3.465624809	-3.990196943
5/7/11 17:27	10134.84082	3	-0.662147522	1813.378418	0.015625	-1.352368593	1810.039429	0.021875001	-0.724844337	1810.729126	3.284374952	-3.990196943
5/7/11 17:28	10136.49609	3	-0.709753275	1813.330811	0.015625	-1.261484861	1810.0177	0.021875001	-0.755139649	1810.742188	3.296874762	-3.994524479
5/7/11 17:30	10138.16895	3	-0.688114405	1813.352539	0.015625	-0.660980463	1810.155151	0.021875001	-0.734551668	1810.745483	3.365625143	-3.994524479
5/7/11 17:32	10139.84277	3	-0.675131083	1813.365479	0.015625	-0.751859903	1810.349976	0.021875001	-0.743206918	1810.732422	3.409374952	-3.990196943
5/7/11 17:33	10141.49902	3	-0.675131083	1813.365479	0.015625	-1.262537003	1809.830566	0.021875001	-0.730221987	1810.741089	3.387500048	-3.990196943
5/7/11 17:35	10143.17188	3	-0.670803308	1813.369751	0.015625	-0.916316986	1810.042725	0.021875001	-0.712911606	1810.758423	3.434374809	-3.994524479
5/7/11 17:37	10144.83301	3	-0.688114405	1813.352539	0.015625	-1.034222841	1809.94751	0.021875001	-0.75291425	1810.719482	3.190625191	-3.990196943
5/7/11 17:38	10146.50488	3	-0.666475773	1813.374146	0.015625	-1.332839489	1809.768921	0.021875001	-0.722618937	1810.709717	3.440624952	-3.990196943
5/7/11 17:40	10148.16309	3	-0.718408585	1813.322144	0.015625	-0.985562801	1810.081665	0.021875001	-0.738881528	1810.728149	3.237499952	-3.994524479
5/7/11 17:42	10149.83887	3	-0.688114405	1813.352539	0.015625	-1.483257294	1809.61853	0.021875001	-0.717241406	1810.745483	3.193749905	-3.994524479
5/7/11 17:43	10151.49414	3	-0.657819986	1813.382813	0.015625	-0.967200279	1810.173584	0.021875001	-0.750809908	1810.70752	3.525000095	-3.990196943
5/7/11 17:45	10153.17188	3	-0.675131083	1813.365479	0.015625	-1.201950788	1809.774292	0.021875001	-0.734551668	1810.728149	3.628124952	-3.994524479
5/7/11 17:47	10154.82813	3	-0.692442179	1813.348145	0.015625	-1.145692348	1809.956055	0.021875001	-0.769174635	1810.728149	3.503125191	-3.994524479
5/7/11 17:48	10156.49902	3	-0.679458857	1813.361084	0.015625	-1.323127747	1809.921509	0.021875001	-0.721566796	1810.741089	3.384374857	-3.990196943
5/7/11 17:50	10158.17676	3	-0.692442179	1813.348145	0.015625	-0.751859903	1810.349976	0.021875001	-0.734551668	1810.723755	3.281249762	-3.990196943
5/7/11 17:52	10159.83398	3	-0.709753275	1813.330811	0.015625	-1.059131622	1809.472412	0.021875001	-0.746484518	1810.750854	3.262500048	-3.990196943
5/7/11 17:53	10161.50684	3	-0.666475773	1813.374146	0.015625	-1.04942441	1810.000488	0.021875001	-0.729169726	1810.711914	3.378124952	-3.990196943
5/7/11 17:55	10163.16406	3	-0.727064371	1813.313477	0.015625	-0.903334141	1810.198486	0.021875001	-0.737829328	1810.74646	3.459374905	-3.985869169
5/7/11 17:57	10164.83594	3	-0.644836903	1813.395752	0.015625	-1.053756475	1810.043701	0.021875001	-0.724844337	1810.720459	3.412499905	-3.990196943
5/7/11 17:58	10166.49316	3	-0.714080811	1813.326538	0.015625	-0.993165731	1810.108643	0.021875001	-0.737829328	1810.750854	3.299999952	-3.990196943
5/7/11 18:00	10168.16797	3	-0.692442179	1813.348145	0.015625	-1.37400651	1809.866211	0.021875001	-0.733499527	1810.742188	3.221874952	-3.990196943
5/7/11 18:02	10169.83984	3	-0.714080811	1813.326538	0.015625	-1.291778088	1809.810059	0.021875001	-0.711859465	1810.755127	3.424999952	-3.990196943
5/7/11 18:03	10171.49707	3	-0.657819986	1813.382813	0.015625	-1.097032309	1809.970093	0.021875001	-0.703204274	1810.724854	3.140625	-3.994524479
5/7/11 18:05	10173.1709	3	-0.718408585	1813.322144	0.015625	-1.144639969	1809.693115	0.021875001	-0.720514536	1810.750854	3.428124905	-3.990196943
5/7/11 18:07	10174.82617	3	-0.692442179	1813.348145	0.015625	-1.122997761	1809.680176	0.021875001	-0.781103015	1810.733521	3.162499905	-3.994524479
5/7/11 18:08	10176.50098	3	-0.722736359	1813.317871	0.015625	-1.213881493	1810.234131	0.021875001	-0.737829328	1810.759521	3.262500048	-3.990196943
5/7/11 18:10	10178.1582	3	-0.657819986	1813.382813	0.015625	-0.915264845	1810.186523	0.021875001	-0.737829328	1810.729126	3.115624905	-3.990196943
5/7/11 18:12	10179.83398	3	-0.696769953	1813.343872	0.015625	-1.278799772	1809.675903	0.021875001	-0.707534075	1810.74646	3.318750143	-3.990196943
5/7/11 18:28	10196.48633	3	-0.649164677	1813.391479	0.015625	-1.147908926	1810.023071	0.021875001	-0.732445121	1810.743164	3.253124952	-3.990196943
5/7/11 18:45	10213.16504	3	-0.714080811	1813.326538	0.015625	-1.550394297	1809.551392	0.021875001	-0.72378993	1810.760498	3.337499857	-3.994524479
5/7/11 19:02	10229.80762	3	-0.722736359	1813.317871	0.015625	-1.266869068	1809.636963	0.021875001	-0.760515034	1810.745483	3.203125	-3.994524479
5/7/11 19:18	10246.47266	3	-0.692442179	1813.348145	0.015625	-1.080774069	1810.020996	0.021875001	-0.730221987	1810.741089	3.224999905	-3.990196943
5/7/11 19:35	10263.13477	3	-0.644836903	1813.395752	0.015625	-1.284179449	1809.98645	0.021875001	-0.769174635	1810.770386	3.196875095	-3.994524479
5/7/11 19:52	10279.80566	3	-0.649164677	1813.391479	0.015625	-1.421495438	1809.905396	0.021875001	-0.746363461	1810.724976	3.234375	-3.990196943
5/7/11 20:08	10296.4707	3	-0.740047455	1813.300537	0.015625	-1.251663208	1809.707275	0.021875001	-0.728000879	1810.734619	3.281249762	-3.994524479
5/7/11 20:25	10313.13086	3	-0.679458857	1813.361084	0.015625	-1.629228592	1810.255859	0.021875001	-0.73337853	1810.733643	3.040624857	-3.990196943
5/7/11 20:42	10329.79883	3	-0.670803308	1813.356812	0.015625	-1.179141998	1809.922607	0.021875001	-0.737708271	1810.729248	3.112499952	-3.990196943
5/7/11 20:58	10346.45996	3	-0.74437499	1813.296265	0.015625	-1.330611944	1809.736572	0.021875001	-0.737708271	1810.750977	3.271875143	-3.994524479
5/7/11 21:15	10363.1123	3	-0.718408585	1813.322144	0.015625	-1.445240021	1810.00708	0.021875001	-0.748470008	1810.77478	3.256250143	-3.990196943
5/7/11 21:32	10379.77539	3	-0.688114405	1813.352539	0.015625	-1.206045151	1809.895752	0.021875001	-0.751628757	1810.732666	3.043749809	-3.990196943
5/7/11 21:48	10396.44141	3	-0.696769953	1813.343872	0.015625	-1.548989773	1809.933594	0.021875001	-0.731040835	1810.731689	3.128125191	-3.994524479
5/7/11 22:05	10413.10254	3	-0.64050889	1813.400146	0.015625	-1.372606516	1809.742188	0.021875001	-0.732092977	1810.791138	3.118750095	-3.990196943
5/7/11 22:22	10429.77539	3	-0.657819986	1813.382813	0.015625	-0.980885267	1809.804932	0.021875001	-0.738529325	1810.750122	2.993750095	-3.994524479
5/7/11 22:38	10446.42773	3	-0.740047455	1813.300537	0.015625	-1.300085306	1809.494385	0.021875001	-0.746130109	1810.742554	3.084374905	-3.990196943

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW1_WLD	RW1_WLE	RW1_Flow	RW2_WLD	RW2_WLE	RW2_Flow	RW3_WLD	RW3_WLE	RW3_Flow	RW4_WLD
5/7/11 22:55	10463.09277	3	-0.666475773	1813.374146	0.015625	-1.361842632	1809.73999	0.021875001	-0.734318376	1810.75	3.068749905	-3.990196943
5/7/11 23:12	10479.74805	3	-0.757358551	1813.283203	0.015625	-1.372720957	1809.538696	0.021875001	-0.762509346	1810.726074	2.996875048	-3.990196943
5/7/11 23:28	10496.40918	3	-0.649164677	1813.395752	0.015625	-1.536123753	1809.505127	0.021875001	-0.744144619	1810.73584	3.243749857	-3.994524479
5/7/11 23:45	10513.08496	3	-0.735719681	1813.330811	0.015625	-1.199727774	1809.80249	0.021875001	-0.723671079	1810.730347	3.018749952	-3.994524479
5/8/11 0:02	10529.74902	3	-0.623198032	1813.417358	0.015625	-1.535190344	1809.56665	0.021875001	-0.712911606	1810.732422	3.415625095	-3.990196943
5/8/11 0:18	10546.40137	3	-0.666475773	1813.374146	0.015625	-1.774266481	1809.327515	0.021875001	-0.744259059	1810.735718	3	-3.990196943
5/8/11 0:35	10563.07324	3	-0.670803308	1813.369751	0.015625	-1.416113615	1809.340454	0.021875001	-0.715016007	1810.735718	3.200000048	-3.990196943
5/8/11 0:52	10579.73535	3	-0.731391907	1813.296265	0.015625	-1.844562292	1809.443359	0.021875001	-0.732326269	1810.700073	2.881249905	-3.990196943
5/8/11 1:08	10596.39941	3	-0.627525806	1813.421753	0.015625	-1.58174181	1809.437866	0.021875001	-0.776777625	1810.750854	3.131249905	-3.994524479
5/8/11 1:25	10613.05664	3	-0.675131083	1813.365479	0.015625	-1.219265699	1809.583862	0.021875001	-0.734551668	1810.749756	3.040624857	-3.994524479
5/8/11 1:42	10629.71582	3	-0.653492212	1813.365479	0.015625	-1.572032213	1809.469238	0.021875001	-0.755139649	1810.747559	3.006250143	-3.990196943
5/8/11 1:58	10646.38281	3	-0.692442179	1813.348145	0.015625	-1.515769243	1809.58606	0.021875001	-0.715134859	1810.74646	3	-3.994524479
5/8/11 2:15	10663.04102	3	-0.709753275	1813.378418	0.015625	-1.740814686	1809.482178	0.021875001	-0.736774921	1810.760498	2.96875	-3.990196943
5/8/11 2:32	10679.70703	3	-0.683786392	1813.356812	0.015625	-1.912870407	1809.188965	0.021875001	-0.744375765	1810.75293	2.987499952	-3.990196943
5/8/11 2:48	10696.36523	3	-0.692442179	1813.369751	0.015625	-1.600220919	1809.562134	0.021875001	-0.734668374	1810.740967	3.09375	-3.994524479
5/8/11 3:05	10713.02832	3	-0.701097488	1813.339478	0.015625	-1.454247475	1809.647583	0.021875001	-0.770460129	1810.774414	3.296874762	-3.990196943
5/8/11 3:22	10729.69824	3	-0.696769953	1813.343872	0.015625	-1.828656197	1809.597656	0.021875001	-0.720745683	1810.741943	3.028125048	-3.994524479
5/8/11 3:38	10746.35352	3	-0.688114405	1813.352539	0.015625	-1.754028559	1809.347778	0.021875001	-0.711036205	1810.759277	2.875	-3.990196943
5/8/11 3:55	10763.0166	3	-0.675131083	1813.387085	0.015625	-1.351549864	1809.473267	0.021875001	-0.741331458	1810.751587	3.099999905	-3.990196943
5/8/11 4:12	10779.67285	3	-0.675131083	1813.365479	0.015625	-1.497406721	1809.60437	0.021875001	-0.740045965	1810.722656	2.790625095	-3.994524479
5/8/11 4:28	10796.33496	3	-0.657819986	1813.365479	0.015625	-1.275638819	1809.609741	0.021875001	-0.713028312	1810.722656	3.028125048	-3.994524479
5/8/11 4:45	10812.99902	3	-0.657819986	1813.382813	0.015625	-1.522317648	1809.579468	0.021875001	-0.750926554	1810.77124	3	-3.994524479
5/8/11 5:02	10829.66895	3	-0.675131083	1813.365479	0.015625	-1.916147947	1809.185669	0.021875001	-0.713028312	1810.740967	2.878124952	-3.990196943
5/8/11 5:18	10846.32422	3	-0.64050889	1813.400146	0.015625	-1.493076801	1809.625977	0.021875001	-0.748701155	1810.73999	2.875	-3.994524479
5/8/11 5:35	10862.99512	3	-0.679458857	1813.361084	0.015625	-1.583027124	1809.518799	0.021875001	-0.739114821	1810.736572	2.996875048	-3.990196943
5/8/11 5:52	10879.64941	3	-0.696769953	1813.391479	0.015625	-1.357048512	1809.731812	0.021875001	-0.738174915	1810.759155	2.971874952	-3.990196943
5/8/11 6:08	10896.30957	3	-0.696769953	1813.343872	0.015625	-1.443600178	1809.658203	0.021875001	-0.729519725	1810.741821	2.915625095	-3.994524479
5/8/11 6:25	10912.97754	3	-0.653492212	1813.387085	0.015625	-2.109024882	1809.434204	0.021875001	-0.706827402	1810.747192	2.818750143	-3.994524479
5/8/11 6:42	10929.62988	3	-0.688114405	1813.352539	0.015625	-1.683849335	1809.417969	0.021875001	-0.743669152	1810.757935	3.015625	-3.994524479
5/8/11 6:58	10946.2998	3	-0.761686325	1813.278931	0.015625	-1.898130894	1809.420044	0.021875001	-0.746944547	1810.737305	2.828125	-3.990196943
5/8/11 7:15	10962.95801	3	-0.670803308	1813.369751	0.015625	-1.608171701	1809.493652	0.021875001	-0.72530663	1810.745972	2.978125095	-3.994524479
5/8/11 7:32	10979.63574	3	-0.653492212	1813.382813	0.015625	-1.692621231	1809.17981	0.021875001	-0.749170005	1810.752441	2.915625095	-3.990196943
5/8/11 7:48	10996.28809	3	-0.64050889	1813.400146	0.015625	-1.575888634	1809.651367	0.021875001	-0.770924568	1810.709106	2.740624905	-3.990196943
5/8/11 8:05	11012.94727	3	-0.653492212	1813.378418	0.015625	-1.792395592	1809.309448	0.021875001	-0.71478045	1810.739258	2.943749905	-3.990196943
5/8/11 8:22	11029.6084	3	-0.705425501	1813.335205	0.015625	-1.810872793	1809.611206	0.021875001	-0.724606633	1810.751099	2.768749952	-3.990196943
5/8/11 8:38	11046.28516	3	-0.722736359	1813.317871	0.015625	-1.918014526	1809.183838	0.021875001	-0.723552227	1810.695801	2.924999952	-3.990196943
5/8/11 8:55	11062.93848	3	-0.670803308	1813.369751	0.015625	-1.789351463	1809.3125	0.021875001	-0.73770386	1810.759644	3.096874952	-3.990196943
5/8/11 9:12	11079.59766	3	-0.701097488	1813.361084	0.015625	-1.899766445	1809.375122	0.021875001	-0.743200302	1810.748779	2.865624905	-3.985869169
5/8/11 11:58	11246.22461	3	-0.688114405	1813.352539	0.015625	-1.549216509	1809.790649	0.021875001	-0.748577833	1810.727051	2.674999952	-3.990196943
5/8/11 14:45	11412.84082	3	-0.666475773	1813.374146	0.015625	-1.856715202	1809.245117	0.021875001	-0.735826254	1810.748535	2.587500095	-3.994524479
5/8/11 17:32	11579.46484	3	-0.662147522	1813.378418	0.0125	-1.833204031	1808.770874	0.018750001	-0.754538774	1810.754639	2.428125143	-3.990196943
5/8/11 20:18	11746.08008	3	-0.653492212	1813.387085	0.0125	-1.764312506	1809.160034	0.018750001	-0.738628387	1810.71106	2.356250048	-3.990196943
5/8/11 23:05	11912.70801	3	-0.701097488	1813.339478	0.015625	-2.152406454	1809.23938	0.021875001	-0.750208974	1810.734131	2.271874905	-3.985869169
5/9/11 1:52	12079.33105	3	-0.679458857	1813.361084	0.015625	-1.829343081	1809.124268	0.021875001	-0.751727819	1810.7229	2.099999905	-3.994524479
5/9/11 4:38	12245.95605	3	-0.666475773	1813.374146	0.015625	-2.000582099	1809.101196	0.021875001	-0.723888993	1810.751709	2.153125048	-3.994524479
5/9/11 7:25	12412.58398	3	-0.696769953	1813.352539	0.015625	-1.956135273	1809.265747	0.021875001	-0.740032732	1810.721558	2.153125048	-3.990196943
5/9/11 10:12	12579.20117	3	-0.666475773	1813.369751	0.015625	-1.76781702	1809.130615	0.021875001	-0.772434592	1810.703247	2.425000191	-3.990196943
5/9/11 12:58	12745.81543	3	-0.670803308	1813.369751	0.015625	-2.229017496	1808.872803	0.021875001	-0.727281094	1810.761353	2.087499857	-3.990196943

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	TestPeriod	RW1_WLD	RW1_WLE	RW1_Flow	RW2_WLD	RW2_WLE	RW2_Flow	RW3_WLD	RW3_WLE	RW3_Flow	RW4_WLD
5/9/11 15:45	12912.44727	3	-0.679458857	1813.361084	0.0125	-2.402827501	1808.742188	0.018750001	-0.753946602	1810.756348	2.21875	-3.990196943
5/9/11 18:32	13079.07129	3	-0.675131083	1813.365479	0.0125	-1.967121363	1809.277466	0.018750001	-0.716400504	1810.720337	2.065624952	-3.990196943
5/9/11 21:18	13245.69336	3	-0.683786392	1813.361084	0.015625	-2.05087328	1808.817261	0.021875001	-0.735234141	1810.727417	2.074999809	-3.998852491
5/10/11 0:05	13412.30078	3	-0.670803308	1813.369751	0.015625	-2.152170897	1809.023193	0.021875001	-0.732663035	1810.768921	2.246875048	-3.990196943
5/10/11 2:52	13578.92676	3	-0.692442179	1813.348145	0.015625	-2.265859127	1809.121582	0.021875001	-0.720849156	1810.740723	1.950000048	-3.990196943
5/10/11 5:38	13745.55469	3	-0.679458857	1813.361084	0.015625	-2.554887414	1808.483032	0.021875001	-0.723191261	1810.752441	1.912499905	-3.990196943
5/10/11 8:25	13912.16602	3	-0.683786392	1813.356812	0.015625	-2.17486763	1808.896606	0.021875001	-0.729394317	1810.75061	2.053124905	-3.990196943
5/10/11 11:12	14078.79785	3	-0.679458857	1813.361084	0.015625	-2.140601277	1808.961182	0.021875001	-0.729748726	1810.763184	2.171875	-3.990196943
5/10/11 13:58	14245.4082	3	-0.688114405	1813.352539	0.015625	-2.220018864	1808.881836	0.021875001	-0.732324123	1810.747681	2.446875095	-3.990196943
5/10/11 16:45	14412.03418	3	-0.683786392	1813.356812	0.0125	-1.973687649	1809.180054	0.021875001	-0.722962379	1810.744019	2.121875048	-3.990196943
5/10/11 19:32	14578.66016	3	-0.675131083	1813.365479	0.0125	-2.197678804	1808.904053	0.021875001	-0.721910119	1810.723511	2.128124952	-3.990196943
5/10/11 22:18	14745.27637	3	-0.675131083	1813.365479	0.015625	-2.227976322	1808.873779	0.021875001	-0.747882247	1810.770996	1.881250024	-3.994524479
5/11/11 1:05	14911.90234	3	-0.662147522	1813.378418	0.015625	-2.220256686	1808.881592	0.021875001	-0.753145397	1810.744141	2.490624905	-3.990196943
5/11/11 3:52	15078.51758	3	-0.692442179	1813.365479	0.015625	-2.254760623	1808.652344	0.021875001	-0.761681676	1810.726929	2.25	-3.990196943
5/11/11 6:38	15245.15137	3	-0.675131083	1813.365479	0.015625	-2.341787815	1808.76001	0.021875001	-0.762150526	1810.72644	2.3125	-3.990196943
5/11/11 9:25	15411.76953	3	-0.670803308	1813.369751	0.015625	-2.129379511	1808.851196	0.021875001	-0.735837221	1810.752808	2.478124857	-3.990196943
5/11/11 12:12	15578.3877	3	-0.688114405	1813.352539	0.015625	-2.458170414	1808.643677	0.021875001	-0.748701155	1810.722656	2.128124952	-3.994524479
5/11/11 14:58	15745.00391	3	-0.688114405	1813.352539	0.015625	-2.207271695	1808.864258	0.021875001	-0.753145397	1810.744141	2.106250048	-3.990196943
5/11/11 17:45	15911.62402	3	-0.679458857	1813.361084	0.015625	-2.213824749	1808.912842	0.021875001	-0.725075483	1810.740845	2.237499952	-3.985869169
5/11/11 20:32	16078.25977	3	-0.675131083	1813.352539	0.015625	-2.071474433	1809.160156	0.021875001	-0.738522708	1810.754395	2.174999952	-3.990196943
5/11/11 23:18	16244.87988	3	-0.688114405	1813.352539	0.015625	-2.328686237	1808.773071	0.021875001	-0.736070573	1810.726563	2.065624952	-3.990196943
5/12/11 2:05	16411.49414	3	-0.740047455	1813.335205	0.015625	-2.187273622	1808.914551	0.021875001	-0.746125698	1810.724121	2.065624952	-3.990196943
5/12/11 4:52	16578.11719	3	-0.614542484	1813.426025	0.015625	-2.010885954	1808.587891	0.021875001	-0.74390471	1810.75769	2.21875	-3.994524479
5/12/11 15:58	17244.60156	3	-0.670803308	1813.369751	0.015625	-2.2716043	1808.820435	0.021875001	-0.704952002	1810.749023	2.15625	-3.994524479

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW4_WLE	RW4_Flow	RW5_WLD	RW5_WLE	RW5_Flow	RW6_WLD	RW6_WLE	RW6_Flow	RW7_WLD	RW7_WLE	RW7_Flow
4/30/11 16:29	2.551150084	1813.591309	0.021875001	0	1816.473267	-0.009375	0	1778.909668	-0.236250013	-0.094736099	1811.894653	-0.0175
4/30/11 16:39	9.998366356	1809.596802	16.75625038	-4.34218812	1812.130981	7.396875381	0	1778.909668	90.98249817	-23.52138734	1788.380371	97.22125244
4/30/11 16:49	19.99691582	1809.601074	16.03125	-4.327762365	1812.145508	7.150000572	0	1778.909668	90.51000214	-23.52755523	1788.374268	95.19124603
4/30/11 16:59	29.99004936	1809.596802	16.046875	-4.327762365	1812.138184	7.368750095	0	1778.909668	89.97624969	-23.49343872	1788.408325	93.98374939
4/30/11 17:09	39.98183441	1809.605469	15.94062424	-4.334975243	1812.138184	6.953124523	0	1778.909668	91.78749847	-23.55219555	1788.29187	92.48749542
4/30/11 17:19	49.97788239	1809.601074	15.62812519	-4.334975243	1812.138184	7.018750191	0	1778.909668	92.21624756	-23.49359274	1788.408203	89.67874908
4/30/11 17:29	59.9766655	1809.601074	15.515625	-4.327762365	1812.138184	7.315625191	0	1778.909668	90.33500671	-23.66775489	1788.234009	90.99124908
4/30/11 17:39	69.97721863	1809.601074	15.22187424	-4.327762365	1812.138184	6.931249619	0	1778.909668	91.39374542	-23.47511339	1788.426758	90.08125305
4/30/11 17:49	79.97341919	1809.596802	15.20937538	-4.34218812	1812.130981	7.021874905	0	1778.909668	93.12624359	-23.48143101	1788.42041	90.15125275
4/30/11 17:59	89.97554779	1809.596802	14.87187481	-4.327762365	1812.145508	6.949999809	0	1778.909668	90.38749695	-23.56498027	1788.336792	90.86000061
4/30/11 18:09	99.9717865	1809.596802	14.91562462	-4.34218812	1812.145508	6.712500095	0	1778.909668	92.14624786	-23.35880995	1788.542969	89.49499512
4/30/11 18:19	109.9689636	1809.596802	14.76874924	-4.334975243	1812.138184	7.006250381	0	1778.909668	92.25999451	-23.451684	1788.450195	88.8125
4/30/11 18:29	119.956665	1809.601074	15.234375	-4.334975243	1812.145508	6.946875095	0	1778.909668	92.11999512	-23.59909916	1788.302734	89.64374542
4/30/11 18:39	129.9540863	1809.609741	15.14687538	-4.334975243	1812.138184	7.006250381	0	1778.909668	91.15750122	-23.43425465	1788.467529	90.94750214
4/30/11 18:49	139.9494781	1809.605469	14.67187595	-4.334975243	1812.138184	6.934375286	0	1778.909668	94.08875275	-23.49812078	1788.403687	88.69875336
4/30/11 18:59	149.9534149	1809.605469	14.59999943	-4.334975243	1812.138184	6.578125	0	1778.909668	93.23124695	-23.55387735	1788.3479	89.23249817
4/30/11 19:09	159.960968	1809.605469	14.54687595	-4.320549726	1812.159912	6.928124905	0	1778.909668	91.83124542	-23.54365492	1788.358154	88.76000214
4/30/11 19:19	169.9581451	1809.601074	14.48437595	-4.34218812	1812.116577	7.015624523	0	1778.909668	91.68249512	-23.50459194	1788.397217	89.0137558
4/30/11 19:29	179.9511261	1809.601074	14.29374981	-4.320549726	1812.15271	6.959374905	0	1778.909668	91.07875061	-23.51285982	1788.388916	88.29624939
4/30/11 19:39	189.9528656	1809.596802	14.61874962	-4.327762365	1812.138184	7.03125	0	1778.909668	91.49000549	-23.52938652	1788.395142	88.64624786
4/30/11 19:49	199.947876	1809.601074	14.42500019	-4.334975243	1812.130981	6.984374523	0	1778.909668	91.80500031	-23.53254533	1788.369263	87.19374847
4/30/11 19:59	209.9439545	1809.596802	14.29374981	-4.313336611	1812.15271	6.790625095	0	1778.909668	92.49625397	-23.50790262	1788.393921	86.45000458
4/30/11 20:09	219.9481049	1809.596802	14.54687595	-4.327762365	1812.145508	6.640625	0	1778.909668	91.89250183	-23.53991508	1788.361938	87.78874969
4/30/11 20:19	229.9294434	1809.601074	14.33749962	-4.334975243	1812.138184	6.809374809	0	1778.909668	92.67124939	-23.4946909	1788.407104	87.37750244
4/30/11 20:29	239.9272766	1809.596802	14.60937595	-4.334975243	1812.145508	6.746874809	0	1778.909668	91.53375244	-23.49890423	1788.352417	87.9200058
4/30/11 20:39	249.9377594	1809.601074	14.13124943	-4.34218812	1812.138184	6.700000286	0	1778.909668	92.75875092	-23.50821972	1788.393555	87.84124756
4/30/11 20:49	259.9354858	1809.596802	14.17812538	-4.334975243	1812.130981	6.853125095	0	1778.909668	91.83124542	-23.47742033	1788.424438	90.02874756
4/30/11 20:59	269.9232483	1809.596802	14.109375	-4.34218812	1812.145508	6.653124809	0	1778.909668	92.95124817	-23.40123177	1788.50061	88.48000336
4/30/11 21:09	279.9238892	1809.601074	14.00312519	-4.334975243	1812.145508	6.531249523	0	1778.909668	93.08249664	-23.41987181	1788.481934	88.66374969
4/30/11 21:19	289.9251099	1809.596802	14.19687557	-4.334975243	1812.138184	6.828125	0	1778.909668	91.86624908	-23.51785445	1788.383911	86.76499939
4/30/11 21:29	299.9246216	1809.596802	13.984375	-4.334975243	1812.138184	6.546875	0	1778.909668	92.62750244	-23.64573407	1788.256104	87.29000092
4/30/11 21:39	309.9195862	1809.601074	13.99062538	-4.320549726	1812.15271	6.818749905	0	1778.909668	92.26875305	-23.41086864	1788.490967	86.99250031
4/30/11 21:49	319.918335	1809.596802	13.89687538	-4.334975243	1812.138184	6.534375191	0	1778.909668	93.33625031	-23.47278452	1788.429077	87.00125122
4/30/11 21:59	329.9153442	1809.596802	13.96562481	-4.334975243	1812.138184	6.381250381	0	1778.909668	92.93375397	-23.46977758	1788.432007	88.98750305
4/30/11 22:09	339.9111023	1809.596802	14.07500076	-4.327762365	1812.145508	6.621874809	0	1778.909668	92.13749695	-23.51621461	1788.38562	85.15500641
4/30/11 22:19	349.9128113	1809.596802	13.97187519	-4.334975243	1812.138184	6.596875191	0	1778.909668	92.64500427	-23.49773741	1788.404053	88.42749786
4/30/11 22:29	359.9077759	1809.596802	13.93125057	-4.320549726	1812.159912	6.540624619	0	1778.909668	92.95124817	-23.53590655	1788.365967	86.77375031
4/30/11 22:39	369.9070129	1809.596802	13.85624981	-4.327762365	1812.145508	6.700000286	0	1778.909668	92.59249878	-23.53184748	1788.369995	88.01625061
4/30/11 22:49	379.9004211	1809.601074	13.77499962	-4.334975243	1812.138184	6.624999523	0	1778.909668	92.78500366	-23.55454421	1788.368896	87.39499664
4/30/11 22:59	389.9001465	1809.596802	13.70625019	-4.327762365	1812.15271	6.403125286	0	1778.909668	92.57499695	-23.5051074	1788.396729	88.01625061
4/30/11 23:09	399.8978577	1809.601074	13.65937424	-4.34218812	1812.130981	6.509374619	0	1778.909668	91.92749786	-23.45672035	1788.445068	88.33999634
4/30/11 23:19	409.8957214	1809.601074	13.60625076	-4.334975243	1812.138184	6.543750286	0	1778.909668	92.23374939	-23.50210476	1788.399658	86.00375366
4/30/11 23:29	419.8928528	1809.596802	14.11562538	-4.327762365	1812.15271	6.690625191	0	1778.909668	92.24250031	-23.55680943	1788.344971	87.40375519
4/30/11 23:39	429.8929138	1809.601074	13.75	-4.327762365	1812.138184	6.303124905	0	1778.909668	91.76999664	-23.53006029	1788.371704	86.66874695
4/30/11 23:49	439.8961182	1809.601074	13.86249924	-4.327762365	1812.145508	6.784375191	0	1778.909668	91.46375275	-23.44455624	1788.41394	86.55500031
4/30/11 23:59	449.8925171	1809.601074	14.015625	-4.327762365	1812.145508	6.78125	0	1778.909668	92.59249878	-23.44771481	1788.454102	86.26625061
5/1/11 0:09	459.879425	1809.596802	13.74062443	-4.327762365	1812.145508	6.596875191	0	1778.909668	92.26875305	-23.51579189	1788.385986	85.84625244
5/1/11 0:19	469.8830261	1809.601074	13.82187462	-4.34218812	1812.130981	6.293749809	0	1778.909668	91.50749969	-23.52615976	1788.37561	85.52249908

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW4_WLE	RW4_Flow	RW5_WLD	RW5_WLE	RW5_Flow	RW6_WLD	RW6_WLE	RW6_Flow	RW7_WLD	RW7_WLE	RW7_Flow
5/1/11 0:29	479.881073	1809.596802	13.73124981	-4.320549726	1812.15271	6.656250477	0	1778.909668	92.69750214	-23.49730635	1788.404541	86.44124603
5/1/11 0:39	489.8788452	1809.601074	13.859375	-4.320549726	1812.15271	6.403125286	0	1778.909668	91.68249512	-23.44276428	1788.458984	86.43250275
5/1/11 0:49	499.8612976	1809.601074	13.99375057	-4.34218812	1812.130981	6.618750095	0	1778.909668	92.91625214	-23.60355425	1788.298218	87.67500305
5/1/11 0:59	509.8616943	1809.601074	13.74687576	-4.313336611	1812.145508	6.687500477	0	1778.909668	92.10250092	-23.51294136	1788.388916	85.41750336
5/1/11 1:09	519.8577881	1809.601074	13.43437386	-4.327762365	1812.15271	6.387499809	0	1778.909668	93.10874939	-23.52226782	1788.379517	88.19125366
5/1/11 1:19	529.8606567	1809.596802	13.66874981	-4.327762365	1812.145508	6.350000381	0	1778.909668	93.1000061	-23.52842474	1788.373413	86.90499878
5/1/11 1:29	539.8572388	1809.601074	13.52812481	-4.327762365	1812.145508	6.546875	0	1778.909668	91.49874878	-23.50062561	1788.401123	85.11999512
5/1/11 1:39	549.8531494	1809.596802	13.74687576	-4.334975243	1812.130981	6.640625	0	1778.909668	92.80249786	-23.54284716	1788.359009	87.84124756
5/1/11 1:49	559.8547363	1809.596802	13.80312443	-4.334975243	1812.123779	6.818749905	0	1778.909668	91.85749817	-23.5139935	1788.387817	86.75624847
5/1/11 1:59	569.8573608	1809.605469	13.63437462	-4.327762365	1812.145508	6.656250477	0	1778.909668	92.79374695	-23.4202261	1788.481567	84.54249573
5/1/11 2:09	579.8534546	1809.601074	13.63125038	-4.334975243	1812.145508	6.371875286	0	1778.909668	91.73500061	-23.5665915	1788.335205	85.03250122
5/1/11 2:19	589.8516235	1809.601074	13.36874962	-4.334975243	1812.145508	6.759375572	0	1778.909668	91.99749756	-23.52437234	1788.377441	85.94249725
5/1/11 2:29	599.8493652	1809.596802	13.70625019	-4.327762365	1812.145508	6.678125381	0	1778.909668	93.02124786	-23.45418453	1788.447632	87.18499756
5/1/11 2:39	609.8544312	1809.605469	13.87187576	-4.349401236	1812.130981	6.253124714	0	1778.909668	92.22499847	-23.50467587	1788.317749	86.31000519
5/1/11 2:49	619.8500366	1809.601074	13.82499886	-4.34218812	1812.138184	6.40625	0	1778.909668	92.48749542	-23.55711532	1788.344727	87.00125122
5/1/11 2:59	629.8358154	1809.601074	13.73124981	-4.334975243	1812.145508	6.837500095	0	1778.909668	91.84000397	-23.54779768	1788.354004	85.50500488
5/1/11 3:09	639.8425293	1809.601074	13.9375	-4.334975243	1812.138184	6.571874619	0	1778.909668	92.47000122	-23.4550848	1788.446777	85.06750488
5/1/11 3:19	649.840332	1809.601074	13.8125	-4.334975243	1812.145508	6.484375	0	1778.909668	93.21374512	-23.48709679	1788.414673	86.44124603
5/1/11 3:29	659.8231201	1809.601074	13.69062519	-4.327762365	1812.138184	6.700000286	0	1778.909668	91.14875031	-23.56237841	1788.339478	85.01499939
5/1/11 3:39	669.822876	1809.601074	13.64375019	-4.327762365	1812.145508	6.5	0	1778.909668	93.86125183	-23.49236012	1788.409424	86.02999878
5/1/11 3:49	679.8244629	1809.601074	13.78437424	-4.334975243	1812.138184	6.753125191	0	1778.909668	91.16624451	-23.55622172	1788.345581	86.28375244
5/1/11 3:59	689.817688	1809.601074	13.40625	-4.334975243	1812.130981	6.959374905	0	1778.909668	92.64500427	-23.64998889	1788.251831	87.47374725
5/1/11 4:09	699.8319702	1809.601074	13.46250057	-4.34218812	1812.138184	6.46875	0	1778.909668	93.68624878	-23.47372246	1788.39209	84.47250366
5/1/11 4:19	709.8260498	1809.601074	13.5625	-4.334975243	1812.130981	6.359375477	0	1778.909668	91.96250153	-23.61076999	1788.291016	87.13249969
5/1/11 4:29	719.821228	1809.601074	13.49687386	-4.320549726	1812.15271	6.621874809	0	1778.909668	92.38249969	-23.51083469	1788.390991	84.20999908
5/1/11 4:39	729.8097534	1809.601074	13.59375	-4.327762365	1812.145508	6.756249905	0	1778.909668	92.19874573	-23.56132627	1788.340454	88.24375153
5/1/11 4:49	739.8087769	1809.601074	13.51875114	-4.334975243	1812.138184	6.512500286	0	1778.909668	93.17874908	-23.56237841	1788.339478	87.3687439
5/1/11 4:59	749.8054199	1809.596802	13.60000038	-4.334975243	1812.145508	6.668750286	0	1778.909668	92.75875092	-23.60971785	1788.292114	86.43250275
5/1/11 5:09	759.8016968	1809.601074	13.55937576	-4.334975243	1812.138184	6.643749714	0	1778.909668	93.1000061	-23.46650696	1788.435303	85.9862442
5/1/11 5:19	769.7966919	1809.601074	13.27500057	-4.34218812	1812.130981	6.690625191	0	1778.909668	92.12875366	-23.53352928	1788.368286	84.45500183
5/1/11 5:29	779.7998047	1809.601074	13.67812443	-4.327762365	1812.130981	6.615625381	0	1778.909668	92.81999969	-23.5273726	1788.37439	84.76999664
5/1/11 5:39	789.7988892	1809.601074	13.41562557	-4.334975243	1812.138184	6.759375572	0	1778.909668	92.96875	-23.47898769	1788.422852	85.95124817
5/1/11 5:49	799.7960815	1809.596802	13.71875	-4.320549726	1812.145508	6.709375381	0	1778.909668	92.62750244	-23.45013428	1788.45166	85.43499756
5/1/11 5:59	809.7993774	1809.596802	13.64375019	-4.349401236	1812.130981	6.484375	0	1778.909668	90.72000122	-23.48830318	1788.413574	84.18375397
5/1/11 6:09	819.8001709	1809.601074	13.50625038	-4.34218812	1812.145508	6.615625381	0	1778.909668	92.47000122	-23.47703505	1788.424805	87.28125
5/1/11 6:19	829.7947388	1809.596802	13.57499981	-4.34218812	1812.138184	6.671875	0	1778.909668	90.52749634	-23.58734012	1788.314453	87.58750153
5/1/11 6:29	839.7921143	1809.601074	12.91250038	-4.34218812	1812.130981	6.262499809	0	1778.909668	92.45249939	-23.518363	1788.383423	87.66625214
5/1/11 6:39	849.7927856	1809.601074	13.65625	-4.34218812	1812.138184	6.40625	0	1778.909668	92.06750488	-23.56990647	1788.331909	88.59375
5/1/11 6:49	859.7770996	1809.601074	13.07187557	-4.334975243	1812.145508	6.449999809	0	1778.909668	92.43499756	-23.51536489	1788.386475	84.22750092
5/1/11 6:59	869.7738037	1809.601074	13.25312519	-4.34218812	1812.130981	6.203125	0	1778.909668	92.49625397	-23.49688339	1788.404907	85.23374939
5/1/11 7:09	879.7728882	1809.601074	13.35312462	-4.334975243	1812.145508	6.371875286	0	1778.909668	92.02375031	-23.49072027	1788.411133	84.35874939
5/1/11 7:19	889.7697144	1809.601074	13.16249943	-4.334975243	1812.138184	6.737499714	0	1778.909668	92.80249786	-23.50620127	1788.39563	86.21374512
5/1/11 7:29	899.7668457	1809.601074	13.10312462	-4.334975243	1812.130981	6.700000286	0	1778.909668	92.93375397	-23.50109673	1788.400757	83.72875214
5/1/11 7:39	909.7659912	1809.605469	13.65312481	-4.34218812	1812.130981	6.453125	0	1778.909668	94.01000214	-23.51341677	1788.388428	85.27750397
5/1/11 7:49	919.7631836	1809.596802	13.17812538	-4.34218812	1812.138184	6.453125	0	1778.909668	92.04125214	-23.56495595	1788.336914	87.50875092
5/1/11 7:59	929.7573853	1809.596802	13.44999981	-4.334975243	1812.138184	6.337500572	0	1778.909668	91.85749817	-23.44744444	1788.454346	83.65875244
5/1/11 8:09	939.7544556	1809.601074	13.77187538	-4.334975243	1812.145508	6.356249809	0	1778.909668	92.38249969	-23.59470987	1788.307129	85.54000092
5/1/11 8:19	949.7680054	1809.601074	13.92499924	-4.34218812	1812.130981	6.537499905	0	1778.909668	92.03249359	-23.5566926	1788.345093	86.46749878

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW4_WLE	RW4_Flow	RW5_WLD	RW5_WLE	RW5_Flow	RW6_WLD	RW6_WLE	RW6_Flow	RW7_WLD	RW7_WLE	RW7_Flow
5/1/11 8:29	959.7615967	1809.596802	13.45312405	-4.327762365	1812.138184	6.696874619	0	1778.909668	92.88124847	-23.413486	1788.488281	85.05000305
5/1/11 8:39	969.7555542	1809.596802	13.36874962	-4.327762365	1812.138184	6.603124619	0	1778.909668	93.08249664	-23.50830793	1788.393555	85.13749695
5/1/11 8:49	979.753479	1809.605469	13.07499981	-4.327762365	1812.138184	6.609375	0	1778.909668	92.54000092	-23.5382092	1788.363647	84.92750549
5/1/11 8:59	989.7450562	1809.601074	13.38125038	-4.327762365	1812.130981	6.309375286	0	1778.909668	92.71499634	-23.43512392	1788.466675	82.83625031
5/1/11 9:09	999.7601318	1809.596802	13.79374981	-4.334975243	1812.138184	6.353125095	0	1778.909668	92.19000244	-23.56811476	1788.33374	85.30374908
5/1/11 9:19	1009.750244	1809.605469	13.36562443	-4.334975243	1812.145508	6.562499523	0	1778.909668	93.10874939	-23.55069208	1788.351074	87.18499756
5/1/11 9:29	1019.749146	1809.601074	13.14374924	-4.334975243	1812.138184	6.474999905	0	1778.909668	92.50499725	-23.50125074	1788.400513	84.91000366
5/1/11 9:39	1029.747192	1809.601074	13.390625	-4.327762365	1812.15271	6.34375	0	1778.909668	91.01750183	-23.52815604	1788.373657	84.99749756
5/1/11 9:49	1039.740234	1809.596802	13.33124924	-4.327762365	1812.145508	6.681250095	0	1778.909668	92.26875305	-23.56737947	1788.334473	84.51625061
5/1/11 9:59	1049.738892	1809.596802	13.46250057	-4.34218812	1812.130981	6.662499905	0	1778.909668	91.54249573	-23.52304721	1788.378784	83.74625397
5/1/11 10:09	1059.74707	1809.601074	13.48750019	-4.327762365	1812.145508	6.612499714	0	1778.909668	92.64500427	-23.515836	1788.385986	83.06375122
5/1/11 10:19	1069.72522	1809.596802	13.75624943	-4.34218812	1812.130981	6.246874809	0	1778.909668	92.35625458	-23.46955347	1788.432251	84.72624969
5/1/11 10:29	1079.729004	1809.601074	13.41875076	-4.34218812	1812.138184	6.356249809	0	1778.909668	92.96875	-23.57053614	1788.331299	86.26625061
5/1/11 10:39	1089.724976	1809.596802	13.41875076	-4.334975243	1812.138184	6.728125572	0	1778.909668	92.61875153	-23.52725577	1788.374512	85.24250031
5/1/11 10:49	1099.723145	1809.596802	13.50937462	-4.34218812	1812.138184	6.384375095	0	1778.909668	92.93375397	-23.44491291	1788.456909	85.41750336
5/1/11 10:59	1109.720703	1809.596802	13.53437424	-4.327762365	1812.138184	6.09375	0	1778.909668	93.29249573	-23.49029732	1788.411499	84.59500122
5/1/11 11:09	1119.717285	1809.605469	12.875	-4.334975243	1812.145508	6.296875477	0	1778.909668	93.07375336	-23.45633936	1788.445435	85.75874329
5/1/11 11:19	1129.715332	1809.601074	12.91562462	-4.327762365	1812.145508	6.306249619	0	1778.909668	94.33374786	-23.44507122	1788.456787	87.58750153
5/1/11 11:29	1139.710205	1809.596802	13.46562481	-4.327762365	1812.15271	6.684374809	0	1778.909668	91.98874664	-23.49961519	1788.402222	85.19000244
5/1/11 11:39	1149.706421	1809.601074	12.88125038	-4.334975243	1812.145508	6.546875	0	1778.909668	92.20750427	-23.49240398	1788.409424	84.37624359
5/1/11 11:49	1159.718628	1809.601074	12.94062424	-4.327762365	1812.145508	6.700000286	0	1778.909668	92.84625244	-23.47903156	1788.422852	84.48999786
5/1/11 11:59	1169.719971	1809.596802	13.64062405	-4.334975243	1812.138184	6.553124428	0	1778.909668	92.09375	-23.44912386	1788.344482	84.95375061
5/1/11 12:09	1179.701172	1809.596802	13.09375	-4.334975243	1812.138184	6.471875191	0	1778.909668	94.36000061	-23.47376633	1788.428101	85.88124847
5/1/11 12:19	1189.705322	1809.601074	13.67812443	-4.327762365	1812.145508	6.509374619	0	1778.909668	92.95999908	-23.48819304	1788.413574	86.87874603
5/1/11 12:29	1199.699097	1809.605469	13.38437462	-4.34218812	1812.130981	6.306249619	0	1778.909668	93.09124756	-23.59322834	1788.308594	83.16875458
5/1/11 12:39	1209.700073	1809.601074	12.93124962	-4.320549726	1812.15271	6.262499809	0	1778.909668	93.43250275	-23.59217405	1788.309692	85.26000214
5/1/11 12:49	1219.697754	1809.592529	13.25937462	-4.334975243	1812.138184	6.340625286	0	1778.909668	93.02124786	-23.50051117	1788.401367	82.59999847
5/1/11 12:59	1229.688965	1809.605469	12.86250019	-4.34218812	1812.138184	6.271874905	0	1778.909668	92.2950058	-23.40568924	1788.496094	86.625
5/1/11 13:09	1239.687256	1809.605469	13.40625	-4.34218812	1812.130981	6.428124905	0	1778.909668	92.68875122	-23.56122065	1788.340576	84.31499481
5/1/11 13:19	1249.681152	1809.596802	12.99062538	-4.34218812	1812.138184	6.390625	0	1778.909668	91.97124481	-23.58495855	1788.316895	83.37875366
5/1/11 13:29	1259.67981	1809.609741	13.74687576	-4.334975243	1812.145508	6.28125	0	1778.909668	92.22499847	-23.50035477	1788.401489	84.31499481
5/1/11 13:39	1269.67688	1809.596802	13.42500019	-4.320549726	1812.145508	6.621874809	0	1778.909668	93.23124695	-23.52094054	1788.380859	84.91000366
5/1/11 13:49	1279.674561	1809.601074	13.27812481	-4.327762365	1812.145508	6.456250191	0	1778.909668	92.19000244	-23.53852606	1788.363281	84.85749817
5/1/11 13:59	1289.690552	1809.601074	13.25625038	-4.327762365	1812.145508	6.696874619	0	1778.909668	92.80249786	-23.5395782	1788.405518	84.50749969
5/1/11 14:09	1299.670654	1809.605469	12.90937519	-4.327762365	1812.145508	6.34375	0	1778.909668	91.06999969	-23.53236699	1788.369385	82.95874786
5/1/11 14:19	1309.682495	1809.596802	13.015625	-4.334975243	1812.130981	6.387499809	0	1778.909668	92.24250031	-23.54678941	1788.35498	84.69124603
5/1/11 14:29	1319.666016	1809.596802	13.36874962	-4.334975243	1812.138184	6.409375191	0	1778.909668	91.54249573	-23.45407438	1788.447754	82.55625153
5/1/11 14:39	1329.680908	1809.596802	13.40312481	-4.334975243	1812.130981	6.356249809	0	1778.909668	91.30625153	-23.51177692	1788.440552	84.06125641
5/1/11 14:49	1339.670898	1809.596802	12.77187443	-4.34218812	1812.123779	6.278125286	0	1778.909668	93.24874878	-23.43033218	1788.471436	82.75749969
5/1/11 14:59	1349.670776	1809.605469	13.26874924	-4.334975243	1812.145508	6.168749809	0	1778.909668	92.53125	-23.51177692	1788.390015	84.76999664
5/1/11 15:09	1359.66748	1809.596802	13.35312462	-4.327762365	1812.145508	6.528124809	0	1778.909668	93.45874786	-23.50456572	1788.397217	85.61000061
5/1/11 15:19	1369.665039	1809.601074	12.92812538	-4.320549726	1812.145508	6.728125572	0	1778.909668	91.73500061	-23.52094054	1788.380859	86.72999573
5/1/11 15:29	1379.666382	1809.601074	13.27187538	-4.327762365	1812.145508	6.418749809	0	1778.909668	90.67624664	-23.51162291	1788.390137	86.03874969
5/1/11 15:39	1389.665039	1809.605469	13.171875	-4.334975243	1812.138184	6.571874619	0	1778.909668	92.43499756	-23.53836751	1788.363403	84.50749969
5/1/11 15:49	1399.647217	1809.601074	13.55624962	-4.34218812	1812.138184	6.321875095	0	1778.909668	93.33625031	-23.46413612	1788.437744	84.59500122
5/1/11 15:59	1409.646118	1809.596802	13.60000038	-4.327762365	1812.15271	6.353125095	0	1778.909668	93.46749878	-23.49509192	1788.292358	81.77749634
5/1/11 16:09	1419.645264	1809.605469	13.64375019	-4.34218812	1812.130981	6.590624809	0	1778.909668	91.59500122	-23.52904987	1788.372803	84.44625092
5/1/11 16:19	1429.639771	1809.601074	13.42812443	-4.327762365	1812.138184	6.278125286	0	1778.909668	91.94499969	-23.49808979	1788.403687	84.13124847

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW4_WLE	RW4_Flow	RW5_WLD	RW5_WLE	RW5_Flow	RW6_WLD	RW6_WLE	RW6_Flow	RW7_WLD	RW7_WLE	RW7_Flow
5/1/11 16:29	1439.636475	1809.596802	12.99687481	-4.334975243	1812.145508	6.540624619	0	1778.909668	93.19625092	-23.44549417	1788.456299	82.50374603
5/1/11 16:39	1449.648315	1809.601074	13.50937462	-4.320549726	1812.145508	6.509374619	0	1778.909668	92.81999969	-23.48772192	1788.414063	84.80500031
5/1/11 16:49	1459.631104	1809.596802	13.5625	-4.327762365	1812.138184	6.862500191	0	1778.909668	92.35625458	-23.52378678	1788.378052	84.06125641
5/1/11 16:59	1469.628906	1809.596802	13.36250019	-4.334975243	1812.130981	6.271874905	0	1778.909668	93.39749908	-23.49388123	1788.407959	83.48374939
5/1/11 17:09	1479.625854	1809.601074	13.234375	-4.334975243	1812.15271	6.381250381	0	1778.909668	93.09124756	-23.47839975	1788.423462	82.63500214
5/1/11 17:19	1489.62439	1809.601074	12.94999981	-4.334975243	1812.138184	6.800000191	0	1778.909668	93.31874847	-23.52168012	1788.380127	85.20749664
5/1/11 17:29	1499.62207	1809.605469	13.52812481	-4.327762365	1812.15271	6.609375	0	1778.909668	92.23374939	-23.54437685	1788.357422	83.90374756
5/1/11 17:39	1509.622559	1809.601074	12.88125038	-4.327762365	1812.145508	6.262499809	0	1778.909668	94.43875122	-23.54332256	1788.358521	84.84874725
5/1/11 17:49	1519.621948	1809.601074	12.75624943	-4.327762365	1812.145508	6.518749714	0	1778.909668	93.33625031	-23.52168012	1788.380127	84.875
5/1/11 17:59	1529.623169	1809.601074	13.69062519	-4.349401236	1812.138184	6.356249809	0	1778.909668	93.75624847	-23.52783918	1788.374023	81.99625397
5/1/11 18:09	1539.619629	1809.605469	13.18749905	-4.327762365	1812.145508	6.421875	0	1778.909668	91.93624878	-23.48667002	1788.415161	86.52874756
5/1/11 18:19	1549.622559	1809.601074	12.78125	-4.327762365	1812.145508	6.350000381	0	1778.909668	92.88124847	-23.50830793	1788.393555	81.94374847
5/1/11 18:29	1559.610474	1809.601074	12.83125019	-4.320549726	1812.145508	6.393750191	0	1778.909668	92.28624725	-23.49493313	1788.40686	84.8924942
5/1/11 18:39	1569.606567	1809.596802	13.21562576	-4.327762365	1812.145508	6.3125	0	1778.909668	92.89875031	-23.55158806	1788.35022	87.88499451
5/1/11 18:49	1579.605103	1809.601074	13.25937462	-4.327762365	1812.15271	6.681250095	0	1778.909668	93.57250214	-23.47945452	1788.422363	87.71875
5/1/11 18:59	1589.605225	1809.596802	12.84062576	-4.334975243	1812.145508	6.303124905	0	1778.909668	93.1875	-23.4444418	1788.457397	84.26250458
5/1/11 19:09	1599.606445	1809.601074	12.91250038	-4.327762365	1812.15271	6.546875	0	1778.909668	93.58124542	-23.53205013	1788.369751	83.23000336
5/1/11 19:19	1609.600952	1809.601074	12.76250076	-4.327762365	1812.145508	6.637500286	0	1778.909668	93.00374603	-23.4887743	1788.413086	85.76750183
5/1/11 19:29	1619.597168	1809.601074	13.20937538	-4.327762365	1812.145508	6.371875286	0	1778.909668	93.66874695	-23.4887743	1788.413086	83.96499634
5/1/11 19:39	1629.599731	1809.601074	13.02187443	-4.334975243	1812.138184	6.418749809	0	1778.909668	92.84625244	-23.53310227	1788.368652	85.84625244
5/1/11 19:49	1639.591675	1809.596802	12.70000076	-4.334975243	1812.138184	6.331250191	0	1778.909668	92.13749695	-23.5125165	1788.389282	87.0799942
5/1/11 19:59	1649.584351	1809.601074	13.21875	-4.327762365	1812.145508	6.474999905	0	1778.909668	93.99250031	-23.50635958	1788.395508	85.07624817
5/1/11 20:09	1659.59436	1809.596802	12.85624981	-4.327762365	1812.145508	6.300000191	0	1778.909668	93.52874756	-23.60223365	1788.299561	81.76875305
5/1/11 20:19	1669.585815	1809.601074	13.50625038	-4.327762365	1812.145508	6.5	0	1778.909668	92.07624817	-23.54663086	1788.355225	84.4375
5/1/11 20:29	1679.580811	1809.596802	12.95937443	-4.327762365	1812.145508	6.462500095	0	1778.909668	92.47875214	-23.49208689	1788.409668	87.27249908
5/1/11 20:39	1689.576782	1809.601074	12.39687538	-4.334975243	1812.138184	6.274999619	0	1778.909668	92.87250519	-23.48592806	1788.415894	82.6875
5/1/11 20:49	1699.577759	1809.601074	12.8125	-4.334975243	1812.138184	6.362500191	0	1778.909668	92.66249847	-23.55189633	1788.349854	85.38249969
5/1/11 20:59	1709.586304	1809.596802	12.96249962	-4.334975243	1812.138184	6.375	0	1778.909668	91.23625183	-23.48908663	1788.41272	85.55749512
5/1/11 21:09	1719.581299	1809.601074	13.10312462	-4.34218812	1812.138184	6.734375	0	1778.909668	92.62750244	-23.5355258	1788.366333	85.82875061
5/1/11 21:19	1729.581055	1809.601074	13	-4.334975243	1812.138184	6.178124905	0	1778.909668	92.60124969	-23.47271395	1788.429077	82.58249664
5/1/11 21:29	1739.563477	1809.601074	12.92812538	-4.327762365	1812.145508	6.15625	0	1778.909668	92.02375031	-23.51193547	1788.389893	84.79624939
5/1/11 21:39	1749.560181	1809.601074	12.84687519	-4.34218812	1812.130981	6.409375191	0	1778.909668	93.13500214	-23.50066948	1788.401123	83.37875366
5/1/11 21:49	1759.557617	1809.596802	13.14374924	-4.334975243	1812.138184	6.412500381	0	1778.909668	91.70874786	-23.5471065	1788.354736	86.02999878
5/1/11 21:59	1769.557129	1809.601074	12.84687519	-4.34218812	1812.145508	6.34375	0	1778.909668	92.81125641	-23.4904561	1788.411377	83.36999512
5/1/11 22:09	1779.554077	1809.601074	12.64375019	-4.327762365	1812.145508	6.262499809	0	1778.909668	92.85500336	-23.51419616	1788.387573	83.85124969
5/1/11 22:19	1789.557861	1809.601074	12.47812462	-4.327762365	1812.138184	6.393750191	0	1778.909668	91.83124542	-23.5224638	1788.379395	85.11999512
5/1/11 22:29	1799.557373	1809.596802	12.77812576	-4.334975243	1812.138184	6.46875	0	1778.909668	92.36499786	-23.47302675	1788.428833	81.16500092
5/1/11 22:39	1809.55481	1809.601074	12.95624924	-4.334975243	1812.138184	6.362500191	0	1778.909668	93.43250275	-23.58948851	1788.312378	83.09000397
5/1/11 22:49	1819.551758	1809.601074	12.51250076	-4.327762365	1812.145508	6.471875191	0	1778.909668	92.03249359	-23.43906641	1788.412231	82.88000488
5/1/11 22:59	1829.546509	1809.601074	13.18437481	-4.334975243	1812.138184	6.306249619	0	1778.909668	92.54000092	-23.46175671	1788.440063	84.73500061
5/1/11 23:09	1839.539307	1809.601074	12.8125	-4.334975243	1812.130981	6.521874428	0	1778.909668	91.61250305	-23.47107649	1788.430786	83.31750488
5/1/11 23:19	1849.550415	1809.596802	12.99374962	-4.334975243	1812.138184	6.368750572	0	1778.909668	91.36750031	-23.5081954	1788.393555	82.97624969
5/1/11 23:29	1859.549072	1809.596802	12.94375038	-4.334975243	1812.138184	6.150000095	0	1778.909668	91.63000488	-23.58137274	1788.320435	85.03250122
5/1/11 23:39	1869.531494	1809.601074	12.99062538	-4.327762365	1812.145508	6.346874714	0	1778.909668	91.65625	-23.43095732	1788.470825	83.30874634
5/1/11 23:49	1879.530762	1809.601074	13.12187481	-4.334975243	1812.138184	6.384375095	0	1778.909668	92.78500366	-23.57521582	1788.32666	82.00499725
5/1/11 23:59	1889.539551	1809.601074	12.85000038	-4.34218812	1812.138184	6.084374905	0	1778.909668	92.32124329	-23.50309086	1788.398682	84.26250458
5/2/11 0:09	1899.542114	1809.596802	13.12812614	-4.334975243	1812.145508	6.459374905	0	1778.909668	92.82875061	-23.55568242	1788.346191	84.94499969
5/2/11 0:19	1909.532227	1809.596802	13.32499981	-4.334975243	1812.138184	6.159374714	0	1778.909668	93.07375336	-23.52066994	1788.381104	82.17124939

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW4_WLE	RW4_Flow	RW5_WLD	RW5_WLE	RW5_Flow	RW6_WLD	RW6_WLE	RW6_Flow	RW7_WLD	RW7_WLE	RW7_Flow
5/2/11 0:29	1919.529785	1809.601074	12.50937462	-4.334975243	1812.145508	6.362500191	0	1778.909668	93.30125427	-23.52172208	1788.380127	82.23249817
5/2/11 0:39	1929.521362	1809.601074	13.13125038	-4.320549726	1812.145508	6.303124905	0	1778.909668	92.14624786	-23.46612597	1788.435669	86.23124695
5/2/11 0:49	1939.518555	1809.596802	12.57500076	-4.34218812	1812.130981	6.337500572	0	1778.909668	91.67375183	-23.46718025	1788.43457	82.06624603
5/2/11 0:59	1949.516357	1809.601074	12.84687519	-4.334975243	1812.138184	6.509374619	0	1778.909668	93.94000244	-23.53314638	1788.368652	83.01125336
5/2/11 1:09	1959.508789	1809.601074	12.88125038	-4.34218812	1812.130981	6.268750191	0	1778.909668	91.39374542	-23.54141402	1788.360352	82.85375214
5/2/11 1:19	1969.519775	1809.601074	12.41249943	-4.327762365	1812.145508	6.490624905	0	1778.909668	93.66000366	-23.51361704	1788.388184	83.31750488
5/2/11 1:29	1979.518677	1809.596802	13.30624962	-4.320549726	1812.138184	6.368750572	0	1778.909668	91.86624908	-23.43427229	1788.467529	82.7049942
5/2/11 1:39	1989.518921	1809.601074	12.74062538	-4.34218812	1812.130981	6.381250381	0	1778.909668	93.27500153	-23.49197483	1788.40979	83.83375549
5/2/11 1:49	1999.516846	1809.601074	12.96249962	-4.327762365	1812.145508	6.434374809	0	1778.909668	92.41750336	-23.57853103	1788.416992	84.13999939
5/2/11 1:59	2009.499146	1809.596802	12.74687481	-4.327762365	1812.145508	6.353125095	0	1778.909668	93.34500122	-23.4187932	1788.483032	84.4375
5/2/11 2:09	2019.507568	1809.601074	12.62187481	-4.34218812	1812.138184	6.315624714	0	1778.909668	91.42875671	-23.47649574	1788.425293	85.02375031
5/2/11 2:19	2029.502441	1809.596802	12.75312424	-4.334975243	1812.145508	6.293749809	0	1778.909668	92.05000305	-23.49708176	1788.404785	85.71499634
5/2/11 2:29	2039.500854	1809.596802	13.00625038	-4.327762365	1812.15271	6.384375095	0	1778.909668	92.24250031	-23.52593517	1788.375854	83.55374908
5/2/11 2:39	2049.498047	1809.596802	13.31250095	-4.327762365	1812.138184	6.462500095	0	1778.909668	92.20750427	-23.46928453	1788.432495	82.39875031
5/2/11 2:49	2059.484375	1809.601074	12.98750019	-4.327762365	1812.145508	6.268750191	0	1778.909668	92.68000031	-23.51872396	1788.383057	82.52124786
5/2/11 2:59	2069.48291	1809.596802	12.60624981	-4.34218812	1812.138184	6.265625477	0	1778.909668	92.88999939	-23.49708176	1788.404785	82.20625305
5/2/11 3:09	2079.496338	1809.601074	12.78437519	-4.327762365	1812.145508	6.493750095	0	1778.909668	92.07624817	-23.41053009	1788.491333	84.33249664
5/2/11 3:19	2089.478027	1809.601074	12.80312538	-4.334975243	1812.130981	6.3125	0	1778.909668	92.70625305	-23.48371124	1788.418091	85.93375397
5/2/11 3:29	2099.477783	1809.601074	12.85937405	-4.34218812	1812.138184	6.578125	0	1778.909668	92.61000061	-23.44358969	1788.458252	84.11374664
5/2/11 3:39	2109.487549	1809.601074	13.18749905	-4.34218812	1812.138184	6.387499809	0	1778.909668	91.73500061	-23.47560215	1788.42627	84.20999908
5/2/11 3:49	2119.486084	1809.596802	12.74687481	-4.327762365	1812.145508	6.409375191	0	1778.909668	93.3887558	-23.51482344	1788.386963	82.41624451
5/2/11 3:59	2129.496338	1809.605469	12.85312462	-4.34218812	1812.130981	6.365624905	0	1778.909668	92.61000061	-23.48402405	1788.446655	82.45999908
5/2/11 4:09	2139.475342	1809.601074	12.46875	-4.34218812	1812.130981	6.425000191	0	1778.909668	93.23124695	-23.52008867	1788.381714	85.10250092
5/2/11 4:19	2149.474121	1809.601074	12.61875057	-4.334975243	1812.138184	6.368750572	0	1778.909668	92.55750275	-23.50055504	1788.401245	84.11374664
5/2/11 4:29	2159.470703	1809.601074	12.91250038	-4.34218812	1812.130981	6.315624714	0	1778.909668	93.33625031	-23.44090223	1788.460938	85.57499695
5/2/11 4:39	2169.468018	1809.596802	12.44375038	-4.334975243	1812.130981	6.596875191	0	1778.909668	92.28624725	-23.52024269	1788.381592	85.75
5/2/11 4:49	2179.46875	1809.596802	12.88749981	-4.334975243	1812.138184	6.471875191	0	1778.909668	91.81375122	-23.5573597	1788.344482	83.62374878
5/2/11 4:59	2189.466309	1809.601074	12.828125	-4.334975243	1812.145508	6.562499523	0	1778.909668	93.41499329	-23.52851057	1788.373291	82.81874847
5/2/11 5:09	2199.45874	1809.596802	12.71875095	-4.327762365	1812.138184	6.512500286	0	1778.909668	91.04374695	-23.50792503	1788.393921	81.32249451
5/2/11 5:19	2209.455322	1809.601074	12.97499943	-4.34218812	1812.138184	6.140625	0	1778.909668	93.00374603	-23.56157279	1788.34021	86.01249695
5/2/11 5:29	2219.459473	1809.601074	12.33437538	-4.349401236	1812.130981	6.334374905	0	1778.909668	91.88375092	-23.46164656	1788.440186	82.83625031
5/2/11 5:39	2229.449707	1809.596802	12.40625	-4.327762365	1812.145508	6.425000191	0	1778.909668	92.49625397	-23.54820251	1788.353638	83.82499695
5/2/11 5:49	2239.445801	1809.596802	12.6875	-4.334975243	1812.138184	6.40625	0	1778.909668	92.5487442	-23.59147859	1788.310303	82.60874939
5/2/11 5:59	2249.452881	1809.601074	12.65625095	-4.334975243	1812.130981	6.306249619	0	1778.909668	92.87250519	-23.51829696	1788.383545	85.71499634
5/2/11 6:09	2259.451416	1809.596802	13.23125076	-4.327762365	1812.145508	6.300000191	0	1778.909668	92.50499725	-23.49049997	1788.411377	83.70249939
5/2/11 6:19	2269.447021	1809.601074	12.69374943	-4.349401236	1812.130981	6.228125095	0	1778.909668	92.48749542	-23.48944759	1788.412354	82.88874817
5/2/11 6:29	2279.442139	1809.601074	12.34062481	-4.334975243	1812.138184	6.21875	0	1778.909668	92.03249359	-23.49771118	1788.404053	85.57499695
5/2/11 6:39	2289.440186	1809.601074	12.78437519	-4.34218812	1812.138184	6.240624905	0	1778.909668	92.28624725	-23.50807905	1788.393799	85.75
5/2/11 6:49	2299.436523	1809.596802	12.54999924	-4.34218812	1812.138184	6.365624905	0	1778.909668	92.50499725	-23.4524827	1788.449341	80.97249603
5/2/11 6:59	2309.432129	1809.596802	12.48124981	-4.334975243	1812.145508	6.240624905	0	1778.909668	92.68000031	-23.55557227	1788.396729	84.07875061
5/2/11 7:09	2319.422119	1809.601074	12.30624962	-4.327762365	1812.138184	6.215624809	0	1778.909668	93.03874969	-23.50929165	1788.392578	83.40499878
5/2/11 7:19	2329.419678	1809.596802	13.05624962	-4.334975243	1812.138184	6.365624905	0	1778.909668	92.89875031	-23.4835968	1788.418213	83.41374969
5/2/11 7:29	2339.431396	1809.601074	12.23124981	-4.334975243	1812.145508	6.125	0	1778.909668	93.9312439	-23.53319478	1788.368652	83.99124908
5/2/11 7:39	2349.41333	1809.601074	12.484375	-4.327762365	1812.138184	6.193749905	0	1778.909668	91.78749847	-23.45700645	1788.444824	84.26250458
5/2/11 7:49	2359.411865	1809.601074	13.00625038	-4.327762365	1812.145508	6.328125477	0	1778.909668	93.1000061	-23.50855017	1788.393311	83.49250031
5/2/11 7:59	2369.42627	1809.596802	12.5625	-4.334975243	1812.138184	6.334374905	0	1778.909668	93.71250153	-23.4540081	1788.447754	82.9937439
5/2/11 8:09	2379.420898	1809.601074	12.14687538	-4.327762365	1812.145508	6.21875	0	1778.909668	92.81125641	-23.5210309	1788.380737	85.23374939
5/2/11 8:19	2389.417236	1809.605469	12.92187595	-4.349401236	1812.130981	6.050000191	0	1778.909668	91.36750031	-23.54582739	1788.355957	84.24500275

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW4_WLE	RW4_Flow	RW5_WLD	RW5_WLE	RW5_Flow	RW6_WLD	RW6_WLE	RW6_Flow	RW7_WLD	RW7_WLE	RW7_Flow
5/2/11 8:29	2399.406738	1809.601074	12.41562557	-4.34218812	1812.138184	6.278125286	0	1778.909668	92.80249786	-23.48196125	1788.419922	81.59375
5/2/11 8:39	2409.401611	1809.596802	12.72812462	-4.334975243	1812.130981	6.274999619	0	1778.909668	92.26875305	-23.55214286	1788.349609	82.69625092
5/2/11 8:49	2419.400879	1809.596802	12.78437519	-4.327762365	1812.138184	6.21875	0	1778.909668	91.88375092	-23.5120213	1788.389771	82.92375183
5/2/11 8:59	2429.402588	1809.601074	12.12187481	-4.334975243	1812.145508	6.331250191	0	1778.909668	92.42624664	-23.55019259	1788.351563	84.35874939
5/2/11 9:09	2439.40332	1809.596802	12.61875057	-4.327762365	1812.145508	6.246874809	0	1778.909668	92.51374817	-23.44305515	1788.45874	83.70249939
5/2/11 9:19	2449.401367	1809.601074	12.46875	-4.334975243	1812.138184	6.268750191	0	1778.909668	92.89875031	-23.53787446	1788.363892	81.53250122
5/2/11 9:29	2459.397217	1809.596802	13.04687595	-4.34218812	1812.138184	6.284374714	0	1778.909668	91.82250214	-23.46063614	1788.441162	85.24250031
5/2/11 9:39	2469.395752	1809.601074	12.38124943	-4.334975243	1812.145508	6.3125	0	1778.909668	93.54624939	-23.41330338	1788.488525	81.59375
5/2/11 9:49	2479.39209	1809.601074	12.74062538	-4.327762365	1812.145508	6.193749905	0	1778.909668	92.93375397	-23.47311497	1788.392578	82.00499725
5/2/11 9:59	2489.388672	1809.601074	12.80312538	-4.334975243	1812.145508	6.053124905	0	1778.909668	91.82250214	-23.42367554	1788.478149	83.41374969
5/2/11 10:09	2499.385254	1809.601074	12.65625095	-4.334975243	1812.138184	6.215624809	0	1778.909668	92.73249817	-23.53186965	1788.369995	83.67624664
5/2/11 10:19	2509.378174	1809.601074	12.5	-4.334975243	1812.138184	6.190624714	0	1778.909668	91.47250366	-23.52465391	1788.377197	81.16500092
5/2/11 10:29	2519.37793	1809.605469	12.36250019	-4.334975243	1812.138184	6.228125095	0	1778.909668	91.66500092	-23.4257822	1788.476074	82.34625244
5/2/11 10:39	2529.375244	1809.601074	12.47500038	-4.334975243	1812.138184	6.353125095	0	1778.909668	92.44374847	-23.54224181	1788.359619	83.36999512
5/2/11 10:49	2539.369141	1809.596802	13.18437481	-4.334975243	1812.138184	6.381250381	0	1778.909668	91.29750061	-23.50722933	1788.394531	86.16125488
5/2/11 10:59	2549.376465	1809.596802	12.49687481	-4.334975243	1812.138184	6.471875191	0	1778.909668	91.92749786	-23.44125891	1788.460571	83.70249939
5/2/11 11:09	2559.382324	1809.601074	12.59062481	-4.334975243	1812.138184	6.171875	0	1778.909668	91.53375244	-23.59378529	1788.307983	83.14250183
5/2/11 11:19	2569.375244	1809.601074	12.87187481	-4.34218812	1812.130981	6.393750191	0	1778.909668	93.51125336	-23.52886724	1788.372925	83.57124329
5/2/11 11:29	2579.378662	1809.596802	13.10624886	-4.334975243	1812.138184	6.25	0	1778.909668	92.22499847	-23.54329395	1788.358521	84.20999908
5/2/11 11:39	2589.356445	1809.601074	13.00937557	-4.334975243	1812.130981	6.159374714	0	1778.909668	91.92749786	-23.52270818	1788.37915	83.15999603
5/2/11 11:49	2599.36792	1809.601074	12.546875	-4.334975243	1812.138184	6.293749809	0	1778.909668	91.93624878	-23.50001812	1788.401855	82.52999878
5/2/11 11:59	2609.36499	1809.601074	12.50937462	-4.327762365	1812.145508	6.334374905	0	1778.909668	91.97124481	-23.52886724	1788.372925	82.73124695
5/2/11 12:09	2619.362305	1809.601074	12.63437557	-4.334975243	1812.138184	6.134375095	0	1778.909668	91.98000336	-23.56387973	1788.336914	84.78749847
5/2/11 12:19	2629.360352	1809.601074	13.25312519	-4.334975243	1812.138184	6.265625477	0	1778.909668	92.68000031	-23.50722933	1788.394531	83.39624786
5/2/11 12:29	2639.361328	1809.601074	12.74687481	-4.327762365	1812.145508	6.353125095	0	1778.909668	93.39749908	-23.49896574	1788.402832	84.50749969
5/2/11 12:39	2649.344482	1809.601074	12.66874981	-4.334975243	1812.138184	6.150000095	0	1778.909668	92.45249939	-23.56177306	1788.340088	85.78499603
5/2/11 12:49	2659.339355	1809.601074	13.08124924	-4.334975243	1812.138184	6.243750095	0	1778.909668	92.84625244	-23.51849723	1788.383301	84.54249573
5/2/11 12:59	2669.335938	1809.601074	12.85312462	-4.327762365	1812.145508	6.34375	0	1778.909668	92.05874634	-23.59062672	1788.311157	83.48374939
5/2/11 13:09	2679.333984	1809.601074	12.57500076	-4.327762365	1812.138184	6.084374905	0	1778.909668	92.95999908	-23.58130455	1788.320557	86.72999573
5/2/11 13:19	2689.345459	1809.601074	12.38437557	-4.327762365	1812.138184	6.321875095	0	1778.909668	93.61625671	-23.46484709	1788.437012	82.15374756
5/2/11 13:29	2699.345703	1809.596802	12.80000019	-4.334975243	1812.145508	6.356249809	0	1778.909668	93.09124756	-23.55756211	1788.328735	83.34375
5/2/11 13:39	2709.337891	1809.601074	12.60000038	-4.327762365	1812.138184	6.284374714	0	1778.909668	93.13500214	-23.48332644	1788.418457	83.65875244
5/2/11 13:49	2719.338135	1809.601074	13.09687519	-4.334975243	1812.138184	6.293749809	0	1778.909668	93.12624359	-23.58941817	1788.312378	83.78125
5/2/11 13:59	2729.335693	1809.596802	12.78437519	-4.334975243	1812.138184	6.40625	0	1778.909668	92.79374695	-23.47295618	1788.428833	81.46250153
5/2/11 14:09	2739.329102	1809.601074	12.33749962	-4.334975243	1812.145508	6.206249714	0	1778.909668	92.3125	-23.57904601	1788.322754	82.37249756
5/2/11 14:19	2749.330811	1809.601074	13.13749981	-4.334975243	1812.130981	6.459374905	0	1778.909668	92.71499634	-23.49970531	1788.4021	82.43374634
5/2/11 14:29	2759.324219	1809.601074	12.53437519	-4.334975243	1812.138184	6.262499809	0	1778.909668	92.61000061	-23.51307559	1788.388672	82.98500061
5/2/11 14:39	2769.327148	1809.601074	12.89375019	-4.327762365	1812.145508	6.431250095	0	1778.909668	92.0062561	-23.45221186	1788.449585	81.73374939
5/2/11 14:49	2779.323975	1809.601074	12.71875095	-4.34218812	1812.130981	6.293749809	0	1778.909668	92.99500275	-23.55109072	1788.350708	81.70750427
5/2/11 14:59	2789.320557	1809.601074	12.80937481	-4.334975243	1812.138184	6.331250191	0	1778.909668	92.85500336	-23.57167625	1788.330078	85.94249725
5/2/11 15:09	2799.305176	1809.601074	13.10312462	-4.327762365	1812.138184	6.34375	0	1778.909668	92.05874634	-23.49023151	1788.411621	80.91999817
5/2/11 15:19	2809.324219	1809.601074	12.92812538	-4.34218812	1812.138184	6.403125286	0	1778.909668	92.08499908	-23.50359964	1788.398193	83.04624939
5/2/11 15:29	2819.321045	1809.601074	12.66874981	-4.334975243	1812.145508	6.434374809	0	1778.909668	92.27749634	-23.55093217	1788.415771	81.69000244
5/2/11 15:39	2829.304688	1809.601074	12.48124981	-4.34218812	1812.130981	6.224999905	0	1778.909668	92.45249939	-23.49833632	1788.440552	83.22124481
5/2/11 15:49	2839.297363	1809.601074	12.34687519	-4.334975243	1812.145508	6.278125286	0	1778.909668	92.47875214	-23.46632862	1788.435547	80.84999847
5/2/11 15:59	2849.302002	1809.601074	12.74375057	-4.327762365	1812.145508	6.453125	0	1778.909668	92.64500427	-23.53018785	1788.392212	80.98125458
5/2/11 16:09	2859.29541	1809.601074	12.66250038	-4.34218812	1812.145508	6.421875	0	1778.909668	93.15249634	-23.4014101	1788.500366	81.69874573
5/2/11 16:19	2869.293457	1809.601074	12.96875	-4.327762365	1812.138184	6.496874809	0	1778.909668	91.53375244	-23.53124237	1788.370605	84.62999725

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW4_WLE	RW4_Flow	RW5_WLD	RW5_WLE	RW5_Flow	RW6_WLD	RW6_WLE	RW6_Flow	RW7_WLD	RW7_WLE	RW7_Flow
5/2/11 16:29	2879.296631	1809.601074	13.23750019	-4.34218812	1812.130981	6.199999809	0	1778.909668	93.37124634	-23.41162586	1788.490234	82.72250366
5/2/11 16:30	2879.983643	1809.601074	12.86562538	-4.334975243	1812.138184	6.265625477	0	1778.909668	91.97124481	-23.57752275	1788.324341	85.3125
5/2/11 16:30	2880.150391	1810.440674	1.575000048	-4.024819136	1812.506104	0.178124994	0	1778.909668	14.32374954	-19.05711842	1792.844727	29.45249939
5/2/11 16:30	2880.317627	1810.903809	2.15625	-3.563190937	1812.960571	-0.009375	0	1778.909668	2.380000114	-14.5562439	1797.345581	3.5
5/2/11 16:30	2880.48584	1811.267334	0.400000006	-3.17369175	1813.342773	-0.009375	0	1778.909668	-0.201250002	-11.07960701	1800.822266	0.21875
5/2/11 16:30	2880.652588	1811.509644	0.021875001	-2.827471256	1813.681763	-0.009375	0	1778.909668	-0.201250002	-8.266561508	1803.635254	-0.00875
5/2/11 16:31	2880.820313	1811.691406	0.021875001	-2.466824532	1814.04248	-0.009375	0	1778.909668	-0.201250002	-6.17481041	1805.727051	-0.0175
5/2/11 16:31	2880.987305	1811.821289	0.021875001	-2.135029316	1814.359863	-0.009375	0	1778.909668	-0.201250002	-4.631242752	1807.270508	-0.0175
5/2/11 16:31	2881.154541	1811.925171	0.021875001	-1.860937595	1814.641113	-0.009375	0	1778.909668	-0.201250002	-3.461694717	1808.440186	-0.0175
5/2/11 16:31	2881.322754	1812.007324	0.021875001	-1.608485222	1814.893555	-0.009375	0	1778.909668	-0.201250002	-2.618831635	1809.282959	-0.0175
5/2/11 16:31	2881.489746	1812.07666	0.021875001	-1.399309158	1815.095581	-0.009375	0	1778.909668	-0.201250002	-2.034582138	1809.867188	-0.0175
5/2/11 16:31	2881.656982	1812.132813	0.021875001	-1.218986511	1815.254272	-0.009375	0	1778.909668	-0.201250002	-1.609025955	1810.292725	-0.0175
5/2/11 16:32	2881.825195	1812.184814	0.021875001	-1.096366405	1815.376831	-0.009375	0	1778.909668	-0.201250002	-1.284439087	1810.617432	-0.0175
5/2/11 16:32	2881.992432	1812.223755	0.021875001	-0.988172054	1815.485107	-0.009375	0	1778.909668	-0.201250002	-1.05978775	1810.842041	-0.0175
5/2/11 16:32	2882.159912	1812.262695	0.021875001	-0.908829689	1815.564453	-0.009375	0	1778.909668	-0.201250002	-0.886674881	1811.015137	-0.0175
5/2/11 16:32	2882.326904	1812.292969	0.021875001	-0.851126194	1815.629272	-0.009375	0	1778.909668	-0.201250002	-0.771268845	1811.130493	-0.0175
5/2/11 16:32	2882.494141	1812.323242	0.021875001	-0.800635815	1815.67981	-0.009375	0	1778.909668	-0.201250002	-0.671339035	1811.230469	-0.0175
5/2/11 16:32	2882.661865	1812.349243	0.021875001	-0.757358551	1815.71582	-0.009375	0	1778.909668	-0.201250002	-0.598157883	1811.303711	-0.0175
5/2/11 16:33	2882.829346	1812.375244	0.021875001	-0.728506565	1815.751953	-0.009375	0	1778.909668	-0.192499995	-0.54045105	1811.361328	-0.0175
5/2/11 16:33	2882.996582	1812.396851	0.021875001	-0.699654579	1815.77356	-0.009375	0	1778.909668	-0.201250002	-0.497179031	1811.404663	-0.0175
5/2/11 16:33	2883.163818	1812.418457	0.021875001	-0.678016186	1815.795166	-0.00625	0	1778.909668	-0.201250002	-0.461109161	1811.440674	-0.0175
5/2/11 16:33	2883.331543	1812.435791	0.021875001	-0.656377316	1815.816895	-0.009375	0	1778.909668	-0.192499995	-0.42609787	1811.475708	-0.0175
5/2/11 16:33	2883.499268	1812.453125	0.021875001	-0.641951561	1815.831299	-0.009375	0	1778.909668	-0.192499995	-0.388980865	1811.512817	-0.0175
5/2/11 16:33	2883.666992	1812.470459	0.021875001	-0.634737968	1815.838501	-0.009375	0	1778.909668	-0.201250002	-0.360132217	1811.541748	-0.0175
5/2/11 16:34	2883.834717	1812.483398	0.021875001	-0.620312214	1815.852905	-0.009375	0	1778.909668	-0.201250002	-0.338489532	1811.563354	-0.0175
5/2/11 16:34	2884.001953	1812.500732	0.021875001	-0.613099098	1815.860107	-0.009375	0	1778.909668	-0.201250002	-0.316850662	1811.584961	-0.0175
5/2/11 16:34	2884.168701	1812.509399	0.021875001	-0.605886936	1815.86731	-0.009375	0	1778.909668	-0.201250002	-0.295213699	1811.606567	-0.0175
5/2/11 16:34	2884.336182	1812.522339	0.021875001	-0.598673344	1815.874512	-0.009375	0	1778.909668	-0.201250002	-0.280790329	1811.620972	-0.0175
5/2/11 16:34	2884.503662	1812.531006	0.021875001	-0.591461182	1815.881714	-0.009375	0	1778.909668	-0.201250002	-0.259147644	1811.6427	-0.0175
5/2/11 16:34	2884.671631	1812.544067	0.021875001	-0.591461182	1815.881714	-0.009375	0	1778.909668	-0.201250002	-0.244726181	1811.657104	-0.0175
5/2/11 16:35	2884.839844	1812.54834	0.021875001	-0.584247589	1815.888916	-0.009375	0	1778.909668	-0.201250002	-0.223083496	1811.678711	-0.0175
5/2/11 16:35	2884.990479	1812.557007	0.021875001	-0.577034473	1815.89624	-0.009375	0	1778.909668	-0.201250002	-0.215867996	1811.693115	-0.0175
5/2/11 16:35	2885.157959	1812.565674	0.021875001	-0.577034473	1815.89624	-0.009375	0	1778.909668	-0.201250002	-0.208662033	1811.693115	-0.0175
5/2/11 16:35	2885.326172	1812.574341	0.021875001	-0.569822311	1815.903442	-0.009375	0	1778.909668	-0.201250002	-0.194234848	1811.70752	-0.0175
5/2/11 16:35	2885.493652	1812.583008	0.021875001	-0.569822311	1815.903442	-0.009375	0	1778.909668	-0.201250002	-0.179803848	1811.722046	-0.0175
5/2/11 16:35	2885.661133	1812.58728	0.021875001	-0.562608719	1815.910645	-0.009375	0	1778.909668	-0.201250002	-0.172592163	1811.729248	-0.0175
5/2/11 16:36	2885.829102	1812.595947	0.021875001	-0.562608719	1815.910645	-0.009375	0	1778.909668	-0.201250002	-0.1581707	1811.743652	-0.0175
5/2/11 16:36	2885.997314	1812.60022	0.021875001	-0.562608719	1815.910645	-0.009375	0	1778.909668	-0.201250002	-0.143743515	1811.758057	-0.0175
5/2/11 16:36	2886.164795	1812.604614	0.021875001	-0.555396557	1815.917847	-0.009375	0	1778.909668	-0.201250002	-0.129312515	1811.772461	-0.0175
5/2/11 16:36	2886.332275	1812.608887	0.021875001	-0.555396557	1815.917847	-0.009375	0	1778.909668	-0.201250002	-0.122104645	1811.779663	-0.0175
5/2/11 16:36	2886.5	1812.617554	0.021875001	-0.548182964	1815.925049	-0.009375	0	1778.909668	-0.192499995	-0.107679367	1811.794189	-0.0175
5/2/11 16:36	2886.666992	1812.617554	0.021875001	-0.548182964	1815.925049	-0.009375	0	1778.909668	-0.201250002	-0.100463867	1811.801392	-0.0175
5/2/11 16:37	2886.834473	1812.626221	0.021875001	-0.548182964	1815.925049	-0.009375	0	1778.909668	-0.201250002	-0.093255997	1811.808594	-0.0175
5/2/11 16:37	2887.001465	1812.630615	0.021875001	-0.540969849	1815.925049	-0.009375	0	1778.909668	-0.201250002	-0.078821182	1811.822998	-0.0175
5/2/11 16:37	2887.168457	1812.634888	0.021875001	-0.540969849	1815.932251	-0.009375	0	1778.909668	-0.201250002	-0.071613312	1811.8302	-0.0175
5/2/11 16:37	2887.336426	1812.63916	0.021875001	-0.540969849	1815.932251	-0.009375	0	1778.909668	-0.192499995	-0.064397812	1811.837402	-0.0175
5/2/11 16:37	2887.503662	1812.643555	0.021875001	-0.540969849	1815.939453	-0.009375	0	1778.909668	-0.201250002	-0.057188034	1811.844604	-0.0175
5/2/11 16:37	2887.670654	1812.643555	0.021875001	-0.53375721	1815.939453	-0.009375	0	1778.909668	-0.201250002	-0.042764664	1811.859009	-0.0175

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW4_WLE	RW4_Flow	RW5_WLD	RW5_WLE	RW5_Flow	RW6_WLD	RW6_WLE	RW6_Flow	RW7_WLD	RW7_WLE	RW7_Flow
5/2/11 16:38	2887.838623	1812.647827	0.021875001	-0.53375721	1815.946655	-0.009375	0	1778.909668	-0.201250002	-0.035549164	1811.866211	-0.0175
5/2/11 16:38	2888.005615	1812.652222	0.021875001	-0.53375721	1815.939453	-0.009375	0	1778.909668	-0.201250002	-0.028333664	1811.873535	-0.0175
5/2/11 16:38	2888.172607	1812.656494	0.021875001	-0.526544094	1815.946655	-0.009375	0	1778.909668	-0.201250002	-0.021121979	1811.880737	-0.0175
5/2/11 16:38	2888.340088	1812.660889	0.021875001	-0.526544094	1815.946655	-0.009375	0	1778.909668	-0.201250002	-0.013906479	1811.887939	-0.0175
5/2/11 16:38	2888.507813	1812.660889	0.021875001	-0.526544094	1815.946655	-0.009375	0	1778.909668	-0.201250002	-0.006700516	1811.895142	-0.0175
5/2/11 16:38	2888.675293	1812.665161	0.021875001	-0.526544094	1815.946655	-0.009375	0	1778.909668	-0.201250002	0.000514984	1811.902344	-0.0175
5/2/11 16:39	2888.843018	1812.669556	0.021875001	-0.526544094	1815.946655	-0.009375	0	1778.909668	-0.201250002	0.007736206	1811.909546	-0.0175
5/2/11 16:39	2889.01123	1812.669556	0.021875001	-0.519330502	1815.953857	-0.009375	0	1778.909668	-0.201250002	0.014942169	1811.916748	-0.0175
5/2/11 16:39	2889.162354	1812.673828	0.021875001	-0.519330502	1815.953857	-0.009375	0	1778.909668	-0.201250002	0.022157669	1811.92395	-0.0175
5/2/11 16:39	2889.32959	1812.673828	0.021875001	-0.519330502	1815.953857	-0.009375	0	1778.909668	-0.201250002	0.029369354	1811.931152	-0.0175
5/2/11 16:39	2889.49707	1812.678223	0.021875001	-0.51211834	1815.953857	-0.009375	0	1778.909668	-0.201250002	0.035531998	1811.937378	-0.0175
5/2/11 16:39	2889.664307	1812.682495	0.021875001	-0.51211834	1815.96106	-0.009375	0	1778.909668	-0.201250002	0.043790817	1811.945557	-0.0175
5/2/11 16:40	2889.832275	1812.682495	0.021875001	-0.51211834	1815.96106	-0.009375	0	1778.909668	-0.201250002	0.043790817	1811.945557	-0.0175
5/2/11 16:41	2891.508057	1812.704102	0.021875001	-0.504904747	1815.968262	-0.009375	0	1778.909668	-0.201250002	0.100446701	1812.002197	-0.0175
5/2/11 16:43	2893.16748	1812.721436	0.021875001	-0.483265877	1815.982788	-0.009375	0	1778.909668	-0.201250002	0.150938034	1812.052734	-0.0175
5/2/11 16:45	2894.841064	1812.734375	0.021875001	-0.476053715	1815.997192	-0.009375	0	1778.909668	-0.201250002	0.188055038	1812.089844	-0.0175
5/2/11 16:46	2896.497559	1812.747437	0.021875001	-0.468840122	1816.004395	-0.009375	0	1778.909668	-0.201250002	0.216903687	1812.118774	-0.0175
5/2/11 16:48	2898.169922	1812.760376	0.021875001	-0.46162796	1816.011597	-0.009375	0	1778.909668	-0.201250002	0.252967834	1812.154785	-0.0175
5/2/11 16:50	2899.843506	1812.769043	0.021875001	-0.454414845	1816.018799	-0.009375	0	1778.909668	-0.201250002	0.274610519	1812.176392	-0.0175
5/2/11 16:51	2901.503418	1812.77771	0.021875001	-0.447201729	1816.026001	-0.009375	0	1778.909668	-0.201250002	0.296253204	1812.19812	-0.0175
5/2/11 16:53	2903.176758	1812.790649	0.021875001	-0.43998909	1816.033203	-0.00625	0	1778.909668	-0.201250002	0.311727524	1812.213501	-0.0175
5/2/11 16:55	2904.835693	1812.799316	0.021875001	-0.43998909	1816.033203	-0.009375	0	1778.909668	-0.201250002	0.326154709	1812.228027	-0.0175
5/2/11 16:56	2906.510254	1812.803711	0.021875001	-0.432775497	1816.040405	-0.009375	0	1778.909668	-0.201250002	0.346740723	1812.248535	-0.0175
5/2/11 16:58	2908.16748	1812.812378	0.021875001	-0.425563335	1816.047607	-0.009375	0	1778.909668	-0.201250002	0.3539505	1812.255737	-0.0175
5/2/11 17:00	2909.848389	1812.821045	0.021875001	-0.425563335	1816.047607	-0.009375	0	1778.909668	-0.201250002	0.362218857	1812.262939	-0.0175
5/2/11 17:01	2911.50415	1812.82959	0.021875001	-0.418349743	1816.054932	-0.009375	0	1778.909668	-0.201250002	0.375589371	1812.277344	-0.0175
5/2/11 17:03	2913.175781	1812.838257	0.021875001	-0.418349743	1816.054932	-0.009375	0	1778.909668	-0.201250002	0.382801056	1812.284668	-0.0175
5/2/11 17:05	2914.830811	1812.842651	0.021875001	-0.411137104	1816.062134	-0.009375	0	1778.909668	-0.201250002	0.397232056	1812.299072	-0.0175
5/2/11 17:06	2916.507813	1812.851318	0.021875001	-0.403924465	1816.069336	-0.009375	0	1778.909668	-0.201250002	0.405490875	1812.307251	-0.0175
5/2/11 17:08	2918.165527	1812.855591	0.021875001	-0.403924465	1816.069336	-0.009375	0	1778.909668	-0.201250002	0.41991806	1812.321777	-0.0175
5/2/11 17:10	2919.839355	1812.859985	0.021875001	-0.403924465	1816.076538	-0.009375	0	1778.909668	-0.201250002	0.41991806	1812.321777	-0.0175
5/2/11 17:11	2921.49707	1812.868652	0.021875001	-0.396711349	1816.069336	-0.009375	0	1778.909668	-0.201250002	0.426080704	1812.327881	-0.0175
5/2/11 17:13	2923.171387	1812.872925	0.021875001	-0.396711349	1816.076538	-0.009375	0	1778.909668	-0.201250002	0.441558838	1812.343384	-0.0175
5/2/11 17:15	2924.830078	1812.877197	0.021875001	-0.389498711	1816.08374	-0.00625	0	1778.909668	-0.201250002	0.447723389	1812.349487	-0.0175
5/2/11 17:16	2926.505615	1812.881592	0.021875001	-0.389498711	1816.076538	-0.009375	0	1778.909668	-0.201250002	0.447723389	1812.349487	-0.0175
5/2/11 17:18	2928.177979	1812.890259	0.021875001	-0.389498711	1816.08374	-0.009375	0	1778.909668	-0.201250002	0.454929352	1812.356689	-0.0175
5/2/11 17:20	2929.83374	1812.890259	0.021875001	-0.389498711	1816.08374	-0.00625	0	1778.909668	-0.201250002	0.454929352	1812.356689	-0.026250001
5/2/11 17:21	2931.507813	1812.894531	0.021875001	-0.382285118	1816.090942	-0.009375	0	1778.909668	-0.201250002	0.462144852	1812.364014	-0.0175
5/2/11 17:23	2933.163086	1812.903198	0.021875001	-0.382285118	1816.090942	-0.00625	0	1778.909668	-0.201250002	0.462144852	1812.364014	-0.0175
5/2/11 17:25	2934.838135	1812.907593	0.021875001	-0.382285118	1816.090942	-0.009375	0	1778.909668	-0.201250002	0.462144852	1812.364014	-0.0175
5/2/11 17:26	2936.497559	1812.911865	0.021875001	-0.375072479	1816.098145	-0.009375	0	1778.909668	-0.201250002	0.469356537	1812.371216	-0.0175
5/2/11 17:28	2938.172119	1812.91626	0.021875001	-0.375072479	1816.098145	-0.009375	0	1778.909668	-0.201250002	0.469356537	1812.371216	-0.0175
5/2/11 17:30	2939.829346	1812.920532	0.021875001	-0.375072479	1816.098145	-0.009375	0	1778.909668	-0.201250002	0.46830368	1812.370117	-0.026250001
5/2/11 17:31	2941.505127	1812.924805	0.021875001	-0.375072479	1816.098145	-0.00625	0	1778.909668	-0.201250002	0.469356537	1812.371216	-0.0175
5/2/11 17:33	2943.163086	1812.929199	0.021875001	-0.36785984	1816.105347	-0.00625	0	1778.909668	-0.201250002	0.476572037	1812.378418	-0.0175
5/2/11 17:35	2944.84375	1812.933472	0.021875001	-0.36785984	1816.105347	-0.00625	0	1778.909668	-0.201250002	0.469356537	1812.371216	-0.0175
5/2/11 17:36	2946.500977	1812.937866	0.021875001	-0.36785984	1816.105347	-0.009375	0	1778.909668	-0.201250002	0.476572037	1812.378418	-0.0175
5/2/11 17:38	2948.172363	1812.942139	0.021875001	-0.36785984	1816.105347	-0.009375	0	1778.909668	-0.201250002	0.47551918	1812.377319	-0.0175

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW4_WLE	RW4_Flow	RW5_WLD	RW5_WLE	RW5_Flow	RW6_WLD	RW6_WLE	RW6_Flow	RW7_WLD	RW7_WLE	RW7_Flow
5/2/11 17:40	2949.829346	1812.942139	0.021875001	-0.360646725	1816.105347	-0.009375	0	1778.909668	-0.210000008	0.47551918	1812.377319	-0.0175
5/2/11 17:41	2951.501221	1812.946533	0.021875001	-0.360646725	1816.112549	-0.009375	0	1778.909668	-0.201250002	0.48273468	1812.384521	-0.0175
5/2/11 17:43	2953.163086	1812.950806	0.021875001	-0.360646725	1816.112549	-0.009375	0	1778.909668	-0.201250002	0.47551918	1812.377319	-0.0175
5/2/11 17:45	2954.836182	1812.950806	0.021875001	-0.360646725	1816.112549	-0.00625	0	1778.909668	-0.201250002	0.48273468	1812.384521	-0.0175
5/2/11 17:46	2956.494385	1812.9552	0.021875001	-0.360646725	1816.112549	-0.009375	0	1778.909668	-0.201250002	0.48273468	1812.384521	-0.026250001
5/2/11 17:48	2958.168701	1812.959473	0.021875001	-0.353434086	1816.119751	-0.00625	0	1778.909668	-0.201250002	0.483787537	1812.38562	-0.0175
5/2/11 17:50	2959.825439	1812.959473	0.021875001	-0.353434086	1816.119751	-0.009375	0	1778.909668	-0.201250002	0.476572037	1812.378418	-0.0175
5/2/11 17:51	2961.499512	1812.963867	0.021875001	-0.353434086	1816.119751	-0.009375	0	1778.909668	-0.210000008	0.469356537	1812.371216	-0.0175
5/2/11 17:53	2963.174805	1812.96814	0.021875001	-0.353434086	1816.126953	-0.009375	0	1778.909668	-0.201250002	0.476572037	1812.379395	-0.0175
5/2/11 17:55	2964.831543	1812.972412	0.021875001	-0.34622097	1816.126953	-0.009375	0	1778.909668	-0.201250002	0.476572037	1812.378418	-0.0175
5/2/11 17:56	2966.50415	1812.976807	0.021875001	-0.34622097	1816.126953	-0.009375	0	1778.909668	-0.210000008	0.477624893	1812.379395	-0.026250001
5/2/11 17:58	2968.158691	1812.981079	0.021875001	-0.34622097	1816.126953	-0.009375	0	1778.909668	-0.210000008	0.476572037	1812.378418	-0.0175
5/2/11 18:00	2969.833008	1812.981079	0.021875001	-0.34622097	1816.126953	-0.009375	0	1778.909668	-0.201250002	0.469356537	1812.371216	-0.0175
5/2/11 18:01	2971.505371	1812.985474	0.021875001	-0.34622097	1816.126953	-0.009375	0	1778.909668	-0.210000008	0.476572037	1812.378418	-0.0175
5/2/11 18:03	2973.160889	1812.985474	0.021875001	-0.34622097	1816.126953	-0.00625	0	1778.909668	-0.210000008	0.476572037	1812.378418	-0.0175
5/2/11 18:05	2974.834961	1812.989746	0.021875001	-0.34622097	1816.126953	-0.00625	0	1778.909668	-0.201250002	0.476572037	1812.378418	-0.0175
5/2/11 18:06	2976.494141	1812.989746	0.021875001	-0.339007854	1816.134155	-0.009375	0	1778.909668	-0.210000008	0.476572037	1812.378418	-0.0175
5/2/11 18:08	2978.166992	1812.994141	0.021875001	-0.339007854	1816.134155	-0.009375	0	1778.909668	-0.210000008	0.469356537	1812.371216	-0.0175
5/2/11 18:10	2979.824951	1812.998413	0.021875001	-0.339007854	1816.134155	-0.009375	0	1778.909668	-0.201250002	0.469356537	1812.371216	-0.026250001
5/2/11 18:26	2996.491211	1813.024414	0.021875001	-0.3245821	1816.141479	-0.00625	0	1778.909668	-0.210000008	0.476572037	1812.378418	-0.0175
5/2/11 18:43	3013.151855	1813.046021	0.021875001	-0.310156345	1816.163086	-0.009375	0	1778.909668	-0.210000008	0.472515106	1812.374268	-0.026250001
5/2/11 19:00	3029.817139	1813.063354	0.021875001	-0.30294323	1816.170288	-0.009375	0	1778.909668	-0.210000008	0.465303421	1812.367065	-0.0175
5/2/11 19:16	3046.488525	1813.080688	0.021875001	-0.295730591	1816.17749	-0.00625	0	1778.909668	-0.210000008	0.424129486	1812.325928	-0.0175
5/2/11 19:33	3063.14917	1813.093628	0.021875001	-0.288517475	1816.184692	-0.009375	0	1778.909668	-0.210000008	0.353057861	1812.254883	-0.0175
5/2/11 19:50	3079.807373	1813.110962	0.021875001	-0.281303883	1816.191895	-0.009375	0	1778.909668	-0.210000008	0.310829163	1812.212646	-0.0175
5/2/11 20:06	3096.469727	1813.123901	0.021875001	-0.274091721	1816.206299	-0.009375	0	1778.909668	-0.201250002	0.28408432	1812.193115	-0.0175
5/2/11 20:23	3113.129639	1813.132568	0.021875001	-0.266878605	1816.206299	-0.009375	0	1778.909668	-0.210000008	0.269657135	1812.171509	-0.0175
5/2/11 20:40	3129.793701	1813.136963	0.021875001	-0.266878605	1816.206299	-0.009375	0	1778.909668	-0.210000008	0.267553329	1812.169434	-0.0175
5/2/11 20:56	3146.45459	1813.141235	0.021875001	-0.266878605	1816.206299	-0.009375	0	1778.909668	-0.210000008	0.25717926	1812.158936	-0.0175
5/2/11 21:13	3163.114014	1813.14563	0.021875001	-0.274091721	1816.199097	-0.009375	0	1778.909668	-0.201250002	0.261236191	1812.163086	-0.0175
5/2/11 21:30	3179.77417	1813.149902	0.021875001	-0.274091721	1816.206299	-0.009375	0	1778.909668	-0.210000008	0.251916885	1812.153687	-0.0175
5/2/11 21:46	3196.448975	1813.158569	0.021875001	-0.266878605	1816.206299	-0.009375	0	1778.909668	-0.210000008	0.251916885	1812.153687	-0.0175
5/2/11 22:03	3213.112305	1813.167236	0.021875001	-0.266878605	1816.213501	-0.009375	0	1778.909668	-0.210000008	0.250864029	1812.15271	-0.0175
5/2/11 22:20	3229.762207	1813.171509	0.021875001	-0.259665966	1816.213501	-0.009375	0	1778.909668	-0.210000008	0.249809265	1812.151611	-0.0175
5/2/11 22:36	3246.440918	1813.180176	0.021875001	-0.259665966	1816.213501	-0.009375	0	1778.909668	-0.210000008	0.249809265	1812.151611	-0.0175
5/2/11 22:53	3263.09668	1813.188843	0.021875001	-0.25245285	1816.220703	-0.00625	0	1778.909668	-0.210000008	0.248758316	1812.150635	-0.0175
5/2/11 23:10	3279.762939	1813.19751	0.021875001	-0.25245285	1816.220703	-0.009375	0	1778.909668	-0.210000008	0.248758316	1812.150635	-0.0175
5/2/11 23:26	3296.420654	1813.210449	0.021875001	-0.238027096	1816.228027	-0.009375	0	1778.909668	-0.210000008	0.250864029	1812.15271	-0.0175
5/2/11 23:43	3313.076416	1813.219116	0.021875001	-0.238027096	1816.235229	-0.00625	0	1778.909668	-0.210000008	0.251916885	1812.146484	-0.0175
5/3/11 0:00	3329.742676	1813.227783	0.021875001	-0.230813503	1816.242432	-0.009375	0	1778.909668	-0.210000008	0.250864029	1812.15271	-0.0175
5/3/11 0:16	3346.402344	1813.227783	0.021875001	-0.230813503	1816.242432	-0.00625	0	1778.909668	-0.210000008	0.248758316	1812.150635	-0.0175
5/3/11 0:33	3363.072754	1813.23645	0.021875001	-0.223601341	1816.249634	-0.009375	0	1778.909668	-0.210000008	0.258079529	1812.159912	-0.0175
5/3/11 0:50	3379.732666	1813.245117	0.021875001	-0.223601341	1816.249634	-0.009375	0	1778.909668	-0.210000008	0.266342163	1812.168213	-0.0175
5/3/11 1:06	3396.395752	1813.24939	0.021875001	-0.216388226	1816.256836	-0.009375	0	1778.909668	-0.210000008	0.272506714	1812.174316	-0.0175
5/3/11 1:23	3413.05835	1813.253784	0.021875001	-0.216388226	1816.256836	-0.009375	0	1778.909668	-0.210000008	0.263183594	1812.165039	-0.0175
5/3/11 1:40	3429.727051	1813.253784	0.021875001	-0.216388226	1816.256836	-0.009375	0	1778.909668	-0.201250002	0.269346237	1812.171143	-0.0175
5/3/11 1:56	3446.391113	1813.266724	0.021875001	-0.209174633	1816.264038	-0.009375	0	1778.909668	-0.210000008	0.280765533	1812.182617	-0.0175
5/3/11 2:13	3463.042725	1813.279785	0.021875001	-0.201962471	1816.27124	-0.009375	0	1778.909668	-0.201250002	0.276714325	1812.178467	-0.0175

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW4_WLE	RW4_Flow	RW5_WLD	RW5_WLE	RW5_Flow	RW6_WLD	RW6_WLE	RW6_Flow	RW7_WLD	RW7_WLE	RW7_Flow
5/3/11 2:30	3479.713379	1813.28833	0.021875001	-0.194748878	1816.278442	-0.009375	0	1778.909668	-0.201250002	0.283922195	1812.185791	-0.0175
5/3/11 2:46	3496.380371	1813.292725	0.021875001	-0.194748878	1816.278442	-0.00625	0	1778.909668	-0.201250002	0.291137695	1812.192993	-0.0175
5/3/11 3:03	3513.043945	1813.301392	0.021875001	-0.187536716	1816.285645	-0.009375	0	1778.909668	-0.201250002	0.278821945	1812.180664	-0.0175
5/3/11 3:20	3529.691406	1813.301392	0.021875001	-0.187536716	1816.285645	-0.009375	0	1778.909668	-0.201250002	0.286027908	1812.187866	-0.0175
5/3/11 3:36	3546.360107	1813.305664	0.021875001	-0.180323124	1816.285645	-0.009375	0	1778.909668	-0.201250002	0.284976959	1812.186768	-0.0175
5/3/11 3:53	3563.018555	1813.310059	0.021875001	-0.187536716	1816.285645	-0.009375	0	1778.909668	-0.210000008	0.286027908	1812.187866	-0.0175
5/3/11 4:10	3579.686279	1813.310059	0.021875001	-0.180323124	1816.292847	-0.00625	0	1778.909668	-0.201250002	0.277769089	1812.179565	-0.0175
5/3/11 4:26	3596.3479	1813.314331	0.021875001	-0.180323124	1816.292847	-0.009375	0	1778.909668	-0.201250002	0.277769089	1812.179565	-0.0175
5/3/11 4:43	3613.010254	1813.318726	0.021875001	-0.173110008	1816.300049	-0.009375	0	1778.909668	-0.201250002	0.270553589	1812.172363	-0.0175
5/3/11 5:00	3629.672119	1813.327393	0.021875001	-0.165897846	1816.307373	-0.009375	0	1778.909668	-0.201250002	0.273712158	1812.175537	-0.0175
5/3/11 5:16	3646.336182	1813.331665	0.021875001	-0.165897846	1816.307373	-0.009375	0	1778.909668	-0.201250002	0.273712158	1812.175537	-0.0175
5/3/11 5:33	3663.001953	1813.335938	0.021875001	-0.165897846	1816.307373	-0.009375	0	1778.909668	-0.201250002	0.274765015	1812.176636	-0.0175
5/3/11 5:50	3679.670898	1813.340332	0.021875001	-0.158684254	1816.314575	-0.009375	0	1778.909668	-0.201250002	0.268606186	1812.17041	-0.0175
5/3/11 6:06	3696.331787	1813.340332	0.021875001	-0.158684254	1816.314575	-0.009375	0	1778.909668	-0.201250002	0.269657135	1812.171509	-0.0175
5/3/11 6:23	3712.993896	1813.344604	0.021875001	-0.158684254	1816.314575	-0.009375	0	1778.909668	-0.201250002	0.269657135	1812.171509	-0.0175
5/3/11 6:40	3729.658936	1813.344604	0.021875001	-0.158684254	1816.314575	-0.009375	0	1778.909668	-0.201250002	0.266500473	1812.168335	-0.0175
5/3/11 6:56	3746.32373	1813.344604	0.021875001	-0.158684254	1816.314575	-0.009375	0	1778.909668	-0.201250002	0.265449524	1812.167236	-0.0175
5/3/11 7:13	3762.977051	1813.340332	0.021875001	-0.165897846	1816.307373	-0.00625	0	1778.909668	-0.201250002	0.263341904	1812.165161	-0.0175
5/3/11 7:30	3779.631836	1813.344604	0.021875001	-0.173110008	1816.300049	-0.009375	0	1778.909668	-0.201250002	0.262289047	1812.164063	-0.0175
5/3/11 7:46	3796.299805	1813.340332	0.021875001	-0.173110008	1816.300049	-0.00625	0	1778.909668	-0.210000008	0.259132385	1812.160889	-0.0175
5/3/11 8:03	3812.957275	1813.340332	0.021875001	-0.173110008	1816.300049	-0.00625	0	1778.909668	-0.210000008	0.26423645	1812.166016	-0.0175
5/3/11 8:20	3829.635986	1813.340332	0.021875001	-0.173110008	1816.300049	-0.009375	0	1778.909668	-0.201250002	0.263183594	1812.165039	-0.0175
5/3/11 8:36	3846.294678	1813.348999	0.021875001	-0.173110008	1816.307373	-0.00625	0	1778.909668	-0.210000008	0.263183594	1812.165039	-0.0175
5/3/11 8:53	3862.959473	1813.353271	0.021875001	-0.165897846	1816.307373	-0.00625	0	1778.909668	-0.210000008	0.269346237	1812.171143	-0.0175
5/3/11 9:10	3879.622559	1813.353271	0.021875001	-0.158684254	1816.307373	-0.009375	0	1778.909668	-0.210000008	0.26212883	1812.16394	-0.0175
5/3/11 11:56	4046.251953	1813.405273	0.021875001	-0.115406036	1816.357788	-0.009375	0	1778.909668	-0.210000008	0.263341904	1812.165161	-0.0175
5/3/11 14:43	4212.864746	1813.457153	0.021875001	-0.07212925	1816.401123	-0.009375	0	1778.909668	-0.21875	0.259756088	1812.161621	-0.0175
5/3/11 17:30	4379.499023	1813.483154	0.021875001	-0.050490379	1816.422729	-0.009375	0	1778.909668	-0.21875	0.269542694	1812.171387	-0.0175
5/3/11 20:16	4546.123535	1813.47876	0.021875001	-0.064915657	1816.415527	-0.009375	0	1778.909668	-0.21875	0.252277374	1812.154053	-0.0175
5/3/11 23:03	4712.740234	1813.461548	0.021875001	-0.079341412	1816.393921	-0.00625	0	1778.909668	-0.21875	0.239643097	1812.141479	-0.0175
5/4/11 1:50	4879.361328	1813.491821	0.021875001	-0.050490379	1816.422729	-0.00625	0	1778.909668	-0.210000008	0.22942543	1812.131226	-0.0175
5/4/11 4:36	5045.989746	1813.539429	0.021875001	-0.014425755	1816.45874	-0.009375	0	1778.909668	-0.210000008	0.221628189	1812.123413	-0.026250001
5/4/11 7:23	5212.611328	1813.539429	0.021875001	-0.014425755	1816.45874	-0.009375	0	1778.909668	-0.210000008	0.221939087	1812.123779	-0.0175
5/4/11 10:10	5379.241699	1813.56543	0.021875001	0.021639347	1816.487671	-0.00625	0	1778.909668	-0.210000008	0.199720383	1812.101563	-0.0175
5/4/11 12:56	5545.875	1813.60437	0.021875001	0.079342365	1816.552612	-0.009375	0	1778.909668	-0.210000008	0.203508377	1812.105347	-0.026250001
5/4/11 15:43	5712.501953	1813.638916	0.021875001	0.079342365	1816.552612	-0.009375	0	1778.909668	-0.210000008	0.181749344	1812.083618	-0.026250001
5/4/11 18:30	5879.104492	1813.548096	0.021875001	0	1816.466064	-0.009375	0	1778.909668	-0.21875	0.158588409	1812.060425	-0.026250001
5/4/11 21:16	6045.73584	1813.513428	0.021875001	-0.086555004	1816.386719	-0.009375	0	1778.909668	-0.210000008	0.130596161	1812.032471	-0.026250001
5/5/11 0:03	6212.348145	1813.548096	0.021875001	-0.02163887	1816.451538	-0.009375	0	1778.909668	-0.201250002	0.130867004	1812.032715	-0.0175
5/5/11 2:50	6378.972168	1813.573975	0.021875001	-0.007212639	1816.466064	-0.009375	0	1778.909668	-0.210000008	0.155344009	1812.057129	-0.026250001
5/5/11 5:36	6545.602539	1813.60437	0.021875001	0.014426231	1816.487671	-0.009375	0	1778.909668	-0.201250002	0.176094055	1812.077881	-0.026250001
5/5/11 8:23	6712.226074	1813.582642	0.021875001	0	1816.473267	-0.009375	0	1778.909668	-0.210000008	0.189149857	1812.090942	-0.026250001
5/5/11 11:10	6878.849121	1813.60437	0.021875001	0.014426231	1816.487671	-0.009375	0	1778.909668	-0.210000008	0.194257736	1812.096069	-0.026250001
5/5/11 13:56	7045.460449	1813.647583	0.021875001	0.057703972	1816.530884	-0.009375	0	1778.909668	-0.21875	0.204044342	1812.105835	-0.026250001
5/5/11 16:43	7212.100098	1813.664917	0.021875001	0.079342365	1816.552612	-0.009375	0	1778.909668	-0.21875	0.212783813	1812.114624	-0.026250001
5/5/11 19:30	7378.706543	1813.660522	0.021875001	0.086555481	1816.559814	-0.009375	0	1778.909668	-0.21875	0.206037521	1812.10791	-0.026250001
5/5/11 22:16	7545.33252	1813.638916	0.021875001	0.057703972	1816.530884	-0.009375	0	1778.909668	-0.21875	0.199874878	1812.101685	-0.0175
5/6/11 1:03	7711.962891	1813.660522	0.021875001	0.079342365	1816.552612	-0.009375	0	1778.909668	-0.21875	0.185764313	1812.087524	-0.0175

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW4_WLE	RW4_Flow	RW5_WLD	RW5_WLE	RW5_Flow	RW6_WLD	RW6_WLE	RW6_Flow	RW7_WLD	RW7_WLE	RW7_Flow
5/6/11 3:50	7878.583496	1813.690918	0.021875001	0.11540699	1816.588623	-0.009375	0	1778.909668	-0.210000008	0.1823349	1812.084106	-0.0175
5/6/11 6:36	8045.212402	1813.699463	0.021875001	0.122620583	1816.595825	-0.009375	0	1778.909668	-0.210000008	0.169593811	1812.071411	-0.0175
5/6/11 9:23	8211.827148	1813.729858	0.021875001	0.158685207	1816.631958	-0.009375	0	1778.909668	-0.210000008	0.146781921	1812.048584	-0.0175
5/6/11 12:10	8378.449219	1813.74707	0.021875001	0.180322647	1816.653564	-0.009375	0	1778.909668	-0.210000008	0.120985031	1812.022827	-0.0175
5/6/11 14:56	8545.080078	1813.738525	0.018750001	0.173110962	1816.646362	-0.009375	0	1778.909668	-0.21875	0.086597443	1811.988403	-0.0175
5/6/11 17:43	8711.694336	1813.699463	0.018750001	0.122620583	1816.595825	-0.00625	0	1778.909668	-0.227500007	0.042266846	1811.944092	-0.026250001
5/6/11 20:30	8878.321289	1813.643311	0.018750001	0.064916611	1816.538086	-0.009375	0	1778.909668	-0.227500007	0.005571365	1811.907349	-0.0175
5/6/11 23:16	9044.9375	1813.669189	0.021875001	0.086555481	1816.559814	-0.009375	0	1778.909668	-0.21875	-0.015321732	1811.886475	-0.0175
5/7/11 2:03	9211.568359	1813.677856	0.021875001	0.09376812	1816.567017	-0.009375	0	1778.909668	-0.21875	-0.013216019	1811.88855	-0.0175
5/7/11 4:50	9378.192383	1813.677856	0.021875001	0.09376812	1816.567017	-0.009375	0	1778.909668	-0.21875	-0.014585495	1811.887207	-0.0175
5/7/11 7:36	9544.799805	1813.673584	0.021875001	0.086555481	1816.559814	-0.009375	0	1778.909668	-0.21875	-0.009635925	1811.892212	-0.0175
5/7/11 10:23	9711.43457	1813.664917	0.021875001	0.079342365	1816.559814	-0.009375	0	1778.909668	-0.227500007	-0.006048203	1811.895752	-0.026250001
5/7/11 13:10	9878.050781	1813.712524	0.021875001	0.13704586	1816.610229	-0.009375	0	1778.909668	-0.236250013	0.016799927	1811.918579	-0.026250001
5/7/11 15:56	10044.66895	1813.742798	0.018750001	0.165897369	1816.63916	-0.009375	0	1778.909668	-0.236250013	0.018318176	1811.920166	-0.026250001
5/7/11 16:32	10080.00195	1813.764404	0.021875001	0.173110962	1816.999756	-0.009375	0	1778.909668	-0.236250013	0.022531509	1811.924316	-0.026250001
5/7/11 16:32	10080.16895	1811.025024	49.95000076	-0.901616573	1815.275879	22.94687462	0	1778.909668	131.9587555	-11.32852554	1800.573242	39.5850029
5/7/11 16:32	10080.32031	1809.090454	29.91249847	-2.87074852	1813.400513	21.11562538	0	1778.909668	124.4075012	-18.70736313	1793.194458	59.29874802
5/7/11 16:32	10080.4873	1809.63147	18.02499962	-4.262845993	1812.102173	17.84687424	0	1778.909668	101.2024994	-23.09282875	1788.80896	39.48875046
5/7/11 16:32	10080.65527	1809.653076	24.35625076	-4.912010193	1811.575684	9.096875191	0	1778.909668	90.61499786	-23.47511339	1788.426758	89.42500305
5/7/11 16:32	10080.83887	1809.596802	22.99062538	-4.421530724	1812.159912	0.278125018	0	1778.909668	90.86875153	-23.46068668	1788.383423	63.48125076
5/7/11 16:33	10080.99023	1809.592529	22.76249886	-4.096948385	1812.354614	9.481249809	0	1778.909668	88.94374847	-23.60494542	1788.361816	57.35624695
5/7/11 16:33	10081.1582	1809.583862	22.36562538	-4.356614113	1812.080566	10.27187443	0	1778.909668	90.72875214	-23.51838946	1788.43396	96.83625031
5/7/11 16:33	10081.3252	1809.592529	21.15625	-4.486447096	1811.986816	7.581250191	0	1778.909668	89.40750122	-23.61937237	1788.188721	77.80500031
5/7/11 16:33	10081.49219	1809.583862	20.72500038	-4.320549726	1812.15271	6.762500286	0	1778.909668	89.43374634	-23.66985941	1788.231934	90.69374847
5/7/11 16:33	10081.65918	1809.592529	20.30937576	-4.270059109	1812.203125	8.168749809	0	1778.909668	89.38124847	-23.51838946	1788.383423	102.0950012
5/7/11 16:34	10081.82715	1809.583862	20.17812347	-4.327762365	1812.145508	8.278124809	0	1778.909668	88.48874664	-23.54003167	1788.361816	104.8512497
5/7/11 16:34	10081.99414	1809.588135	19.47187424	-4.371039867	1812.102173	7.856249809	0	1778.909668	89.44250488	-23.51117802	1788.390625	102.3137512
5/7/11 16:34	10082.16113	1809.588135	19.63749886	-4.327762365	1812.145508	7.453125	0	1778.909668	89.6875	-23.54003167	1788.361816	104.6937485
5/7/11 16:34	10082.32813	1809.588135	18.96562386	-4.313336611	1812.159912	8.046875	0	1778.909668	91	-23.60494542	1788.296875	103.7837524
5/7/11 16:34	10082.49512	1809.596802	19.01250076	-4.334975243	1812.138184	7.915625095	0	1778.909668	90.69374847	-23.51838946	1788.383423	105
5/7/11 16:34	10082.66211	1809.592529	18.5	-4.349401236	1812.138184	7.581250191	0	1778.909668	89.5562439	-23.56166959	1788.340088	103.5299988
5/7/11 16:35	10082.8291	1809.592529	18.6875	-4.327762365	1812.138184	7.571875095	0	1778.909668	90.28250122	-23.51838946	1788.383423	102.3574982
5/7/11 16:35	10082.99707	1809.592529	18.25625038	-4.327762365	1812.145508	8.084374428	0	1778.909668	87.84999847	-23.56166959	1788.340088	102.7600021
5/7/11 16:35	10083.16309	1809.601074	18.24374962	-4.34218812	1812.123779	7.665625095	0	1778.909668	89.89749908	-23.51117802	1788.390625	103.1100006
5/7/11 16:35	10083.33008	1809.596802	18.18124962	-4.34218812	1812.130981	7.884375095	0	1778.909668	89.14499664	-23.56166959	1788.340088	101.9024963
5/7/11 16:35	10083.49805	1809.592529	18.25625038	-4.356614113	1812.138184	7.690624714	0	1778.909668	90.26499939	-23.576092	1788.325684	101.8850021
5/7/11 16:35	10083.66504	1809.596802	17.83124924	-4.334975243	1812.145508	7.606249809	0	1778.909668	89.23249817	-23.51117802	1788.390625	102.7162552
5/7/11 16:36	10083.83203	1809.596802	18.078125	-4.327762365	1812.145508	7.893750191	0	1778.909668	88.21749878	-23.50396681	1788.397827	100.3274994
5/7/11 16:36	10084	1809.596802	18.046875	-4.34218812	1812.130981	7.515625	0	1778.909668	88.54999542	-23.43904877	1788.462769	99.88124847
5/7/11 16:36	10084.16699	1809.596802	18.14375114	-4.320549726	1812.145508	7.649999619	0	1778.909668	89.34625244	-23.45347548	1788.448364	103.4775009
5/7/11 16:36	10084.33398	1809.596802	18.09375	-4.34218812	1812.138184	7.809375286	0	1778.909668	88.57624817	-23.46068668	1788.441162	101.6575012
5/7/11 16:36	10084.50098	1809.596802	17.79062462	-4.34218812	1812.130981	7.356250286	0	1778.909668	88.08625031	-23.52560043	1788.376221	101.6662521
5/7/11 16:36	10084.66895	1809.601074	17.89374924	-4.320549726	1812.15271	7.628125191	0	1778.909668	89.73125458	-23.61215663	1788.289673	102.5762482
5/7/11 16:37	10084.83594	1809.596802	18.06562614	-4.334975243	1812.138184	7.618750095	0	1778.909668	87.54375458	-23.51117802	1788.390625	100.5287552
5/7/11 16:37	10085.00391	1809.596802	17.93124962	-4.334975243	1812.138184	7.681249619	0	1778.909668	88.78625488	-23.61110449	1788.290771	101.3337555
5/7/11 16:37	10085.1709	1809.601074	17.75312614	-4.327762365	1812.15271	7.706250191	0	1778.909668	88.375	-23.4895401	1788.412231	100.8962479
5/7/11 16:37	10085.33789	1809.601074	17.85000038	-4.34218812	1812.123779	8.012499809	0	1778.909668	89.25875092	-23.41741085	1788.484375	98.39374542
5/7/11 16:37	10085.50684	1809.601074	17.671875	-4.334975243	1812.138184	7.731249809	0	1778.909668	89.11875153	-23.54003167	1788.361816	98.69125366

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW4_WLE	RW4_Flow	RW5_WLD	RW5_WLE	RW5_Flow	RW6_WLD	RW6_WLE	RW6_Flow	RW7_WLD	RW7_WLE	RW7_Flow
5/7/11 16:37	10085.67383	1809.596802	17.93437386	-4.327762365	1812.145508	7.396875381	0	1778.909668	88.83000183	-23.48232889	1788.354614	99.05875397
5/7/11 16:38	10085.8418	1809.596802	17.73124886	-4.320549726	1812.138184	7.996874809	0	1778.909668	87.9375	-23.49675131	1788.383423	98.76124573
5/7/11 16:38	10086.00781	1809.596802	17.55937576	-4.34218812	1812.145508	7.5625	0	1778.909668	89.86250305	-23.52560043	1788.376221	98.55124664
5/7/11 16:38	10086.17578	1809.601074	17.77187347	-4.320549726	1812.138184	7.534375191	0	1778.909668	88.55875397	-23.576092	1788.325684	100.0387497
5/7/11 16:38	10086.32617	1809.596802	17.83124924	-4.320549726	1812.145508	7.759375095	0	1778.909668	88.8125	-23.48232889	1788.419434	101.2200012
5/7/11 16:38	10086.49316	1809.596802	17.70000076	-4.334975243	1812.138184	7.671875	0	1778.909668	89.03125	-23.52560043	1788.376221	98.97125244
5/7/11 16:38	10086.66113	1809.596802	17.71562576	-4.334975243	1812.145508	7.762499809	0	1778.909668	88.41000366	-23.49675131	1788.405029	97.125
5/7/11 16:39	10086.8291	1809.596802	17.66562462	-4.334975243	1812.130981	7.568749905	0	1778.909668	88.26124573	-23.49675131	1788.405029	98.52500153
5/7/11 16:39	10086.99609	1809.596802	17.34375	-4.320549726	1812.145508	7.628125191	0	1778.909668	89.53000641	-23.52560043	1788.376221	98.99749756
5/7/11 16:39	10087.16406	1809.596802	17.63437462	-4.334975243	1812.138184	7.587500095	0	1778.909668	89.23249817	-23.54003167	1788.361816	99.21624756
5/7/11 16:39	10087.33203	1809.596802	17.62812424	-4.334975243	1812.130981	7.556250095	0	1778.909668	88.8125	-23.43904877	1788.462769	100.590004
5/7/11 16:39	10087.49902	1809.601074	17.40937614	-4.349401236	1812.130981	7.525000095	0	1778.909668	88.69875336	-23.49675131	1788.405029	98.51625061
5/7/11 16:39	10087.66699	1809.596802	17.50625038	-4.320549726	1812.145508	7.740624905	0	1778.909668	89.05750275	-23.51838946	1788.383423	98.09625244
5/7/11 16:40	10087.83496	1809.601074	17.55624962	-4.327762365	1812.145508	7.671875	0	1778.909668	90.20375061	-23.51733708	1788.384521	97.79875183
5/7/11 16:40	10088.00195	1809.596802	17.59687424	-4.327762365	1812.138184	7.668749809	0	1778.909668	88.84750366	-23.53176832	1788.369995	97.96500397
5/7/11 16:40	10088.16895	1809.601074	17.65312576	-4.334975243	1812.130981	7.762499809	0	1778.909668	89.08374786	-23.4895401	1788.412231	96.9237442
5/7/11 16:40	10088.33594	1809.596802	17.59687424	-4.334975243	1812.138184	7.609375	0	1778.909668	89.41625214	-23.44626427	1788.455566	95.73374939
5/7/11 16:40	10088.50391	1809.601074	17.35312462	-4.334975243	1812.145508	7.515625	0	1778.909668	88.92625427	-23.51117802	1788.390625	98.05250549
5/7/11 16:40	10088.67285	1809.601074	17.50625038	-4.334975243	1812.138184	7.578125	0	1778.909668	88.88249969	-23.50396681	1788.397827	97.51875305
5/7/11 16:41	10088.83984	1809.596802	17.64374924	-4.327762365	1812.138184	7.671875	0	1778.909668	89.52124786	-23.46068668	1788.441162	97.34375
5/7/11 16:41	10089.00781	1809.596802	17.21562386	-4.327762365	1812.138184	7.512500286	0	1778.909668	88.92625427	-23.45347548	1788.520508	94.49124908
5/7/11 16:41	10089.17676	1809.601074	17.625	-4.34218812	1812.130981	7.481250286	0	1778.909668	88.36624908	-23.5833075	1788.318481	97.74624634
5/7/11 16:41	10089.34473	1809.596802	17.16562462	-4.34218812	1812.130981	7.784374714	0	1778.909668	88.93499756	-23.4895401	1788.412231	97.20375061
5/7/11 16:41	10089.51172	1809.601074	17.35312462	-4.327762365	1812.145508	7.587500095	0	1778.909668	88.50624847	-23.50396681	1788.397827	96.77500153
5/7/11 16:41	10089.67871	1809.605469	17.56562424	-4.327762365	1812.145508	7.75	0	1778.909668	88.47125244	-23.61937237	1788.282471	96.99375153
5/7/11 16:42	10089.84668	1809.596802	17.52187538	-4.334975243	1812.138184	7.450000286	0	1778.909668	88.35749817	-23.53282046	1788.369019	95.64624786
5/7/11 16:43	10091.50195	1809.601074	17.01249886	-4.327762365	1812.145508	7.678124905	0	1778.909668	90.125	-23.46789789	1788.43396	95.94374847
5/7/11 16:45	10093.17773	1809.601074	17.359375	-4.313336611	1812.159912	7.546875	0	1778.909668	88.97000122	-23.64822578	1788.25354	95.47999573
5/7/11 16:47	10094.83496	1809.596802	17.23125076	-4.34218812	1812.130981	7.637499809	0	1778.909668	87.67500305	-23.48232889	1788.419434	93.23124695
5/7/11 16:48	10096.50977	1809.601074	17.19062424	-4.34218812	1812.130981	7.518749714	0	1778.909668	90.14250183	-23.51838946	1788.383423	93.70375061
5/7/11 16:50	10098.17188	1809.601074	17.078125	-4.334975243	1812.138184	7.465624809	0	1778.909668	89.32875061	-23.59052324	1788.311279	91.92749786
5/7/11 16:52	10099.8457	1809.596802	16.89687538	-4.327762365	1812.145508	7.325000286	0	1778.909668	88.77749634	-23.50396681	1788.397827	92.94249725
5/7/11 16:53	10101.50293	1809.601074	16.96562386	-4.327762365	1812.138184	7.549999714	0	1778.909668	90.68500519	-23.576092	1788.325684	93.40625
5/7/11 16:55	10103.17676	1809.605469	16.4375	-4.334975243	1812.138184	7.531250477	0	1778.909668	89.79250336	-23.52560043	1788.376221	91.06999969
5/7/11 16:57	10104.83496	1809.601074	16.69375038	-4.334975243	1812.130981	7.262499809	0	1778.909668	88.82125092	-23.38134193	1788.520508	90.31749725
5/7/11 16:58	10106.50684	1809.601074	16.83125114	-4.334975243	1812.15271	7.734374523	0	1778.909668	89.28500366	-23.44521236	1788.456543	90.53625488
5/7/11 17:00	10108.16504	1809.601074	16.87187576	-4.334975243	1812.138184	7.609375	0	1778.909668	91.00875092	-23.42356968	1788.478271	90.45750427
5/7/11 17:02	10109.83984	1809.601074	16.75937462	-4.34218812	1812.138184	7.337500095	0	1778.909668	89.03999329	-23.53897953	1788.362793	91.15750122
5/7/11 17:03	10111.49609	1809.601074	16.56875038	-4.34218812	1812.130981	7.446874619	0	1778.909668	90.32624817	-23.58947086	1788.312378	90.02000427
5/7/11 17:05	10113.1709	1809.601074	16.515625	-4.34218812	1812.138184	7.409375191	0	1778.909668	90.40499878	-23.41019535	1788.491577	91.06999969
5/7/11 17:07	10114.82813	1809.601074	16.50625038	-4.327762365	1812.145508	7.474999905	0	1778.909668	90.65875244	-23.53792739	1788.363892	88.73374939
5/7/11 17:08	10116.50293	1809.601074	16.71875	-4.34218812	1812.130981	7.678124905	0	1778.909668	89.53874969	-23.45242357	1788.449341	90.80750275
5/7/11 17:10	10118.17578	1809.601074	16.33124924	-4.334975243	1812.130981	7.531250477	0	1778.909668	89.35499573	-23.53176832	1788.369995	88.59375
5/7/11 17:12	10119.83594	1809.596802	16.45937538	-4.327762365	1812.145508	7.21875	0	1778.909668	90.15999603	-23.55956531	1788.342285	90.32624817
5/7/11 17:13	10121.51074	1809.601074	16.24374962	-4.334975243	1812.145508	7.231249809	0	1778.909668	88.62000275	-23.48022461	1788.421631	86.75624847
5/7/11 17:15	10123.16992	1809.596802	16.11562538	-4.349401236	1812.123779	7.446874619	0	1778.909668	88.84750366	-23.45137119	1788.450439	88.10375214
5/7/11 17:17	10124.84375	1809.601074	16.27500153	-4.34218812	1812.138184	7.331249714	0	1778.909668	89.61750031	-23.47300911	1788.428833	88.8125
5/7/11 17:18	10126.50098	1809.601074	16.17500114	-4.334975243	1812.138184	7.287499905	0	1778.909668	89.38999939	-23.42972898	1788.472046	87.59624481

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW4_WLE	RW4_Flow	RW5_WLD	RW5_WLE	RW5_Flow	RW6_WLD	RW6_WLE	RW6_Flow	RW7_WLD	RW7_WLE	RW7_Flow
5/7/11 17:20	10128.17578	1809.601074	16.27500153	-4.34218812	1812.145508	7.331249714	0	1778.909668	89.82749939	-23.52349615	1788.378296	90.03749847
5/7/11 17:22	10129.83301	1809.592529	16.15625	-4.334975243	1812.138184	7.037500381	0	1778.909668	90.86000061	-23.4585824	1788.443237	87.9200058
5/7/11 17:23	10131.50684	1809.601074	16.31875038	-4.327762365	1812.138184	7.493750095	0	1778.909668	90.58000183	-23.47300911	1788.428833	89.30250549
5/7/11 17:25	10133.16504	1809.601074	16.14374924	-4.334975243	1812.145508	7.193750381	0	1778.909668	89.0137558	-23.56677651	1788.428833	91.31500244
5/7/11 17:27	10134.84082	1809.601074	16.20000076	-4.34218812	1812.130981	7.431250095	0	1778.909668	91.24500275	-23.50186253	1788.399902	88.08625031
5/7/11 17:28	10136.49609	1809.601074	16.45624924	-4.34218812	1812.138184	7.437500477	0	1778.909668	90.81624603	-23.55956531	1788.342285	89.18000031
5/7/11 17:30	10138.16895	1809.596802	16.00937462	-4.320549726	1812.15271	7.340624809	0	1778.909668	90.01124573	-23.52454829	1788.377319	88.83874512
5/7/11 17:32	10139.84277	1809.596802	16.03437424	-4.327762365	1812.145508	7.434374809	0	1778.909668	89.66999817	-23.43799686	1788.463867	89.18875122
5/7/11 17:33	10141.49902	1809.601074	16.203125	-4.320549726	1812.138184	7.265625	0	1778.909668	90.50125122	-23.58947086	1788.312378	87.76249695
5/7/11 17:35	10143.17188	1809.601074	15.94687557	-4.327762365	1812.145508	7.196875095	0	1778.909668	91.2012558	-23.50291491	1788.398926	88.25250244
5/7/11 17:37	10144.83301	1809.601074	15.87812424	-4.334975243	1812.138184	7.284375191	0	1778.909668	90.65875244	-23.54724288	1788.354614	88.59375
5/7/11 17:38	10146.50488	1809.601074	16.06875038	-4.334975243	1812.138184	7.15625	0	1778.909668	90.3612442	-23.47511339	1788.426758	89.65250397
5/7/11 17:40	10148.16309	1809.596802	16.28750038	-4.313336611	1812.15271	7.168749809	0	1778.909668	90.06375122	-23.55445409	1788.347412	87.98999786
5/7/11 17:42	10149.83887	1809.601074	16.13750076	-4.34218812	1812.130981	7.362499714	0	1778.909668	90.53625488	-23.60389328	1788.297974	87.56999969
5/7/11 17:43	10151.49414	1809.601074	15.92500019	-4.334975243	1812.138184	7.284375191	0	1778.909668	90.83374786	-23.55956531	1788.342285	85.70625305
5/7/11 17:45	10153.17188	1809.596802	16.08124924	-4.334975243	1812.138184	7.053124905	0	1778.909668	90.29999542	-23.50291491	1788.398926	90.83374786
5/7/11 17:47	10154.82813	1809.601074	15.90937519	-4.334975243	1812.138184	6.881249905	0	1778.909668	91.14875031	-23.48127699	1788.420532	87.51750183
5/7/11 17:48	10156.49902	1809.601074	16.00625038	-4.327762365	1812.145508	7.137499809	0	1778.909668	89.96749878	-23.51012611	1788.391724	86.09124756
5/7/11 17:50	10158.17676	1809.596802	15.58125019	-4.34218812	1812.130981	7.306250095	0	1778.909668	91.95375061	-23.50291491	1788.398926	87.22875214
5/7/11 17:52	10159.83398	1809.596802	16.24062538	-4.349401236	1812.130981	7.193750381	0	1778.909668	91.13999939	-23.43078089	1788.471069	85.53125
5/7/11 17:53	10161.50684	1809.601074	15.97812462	-4.327762365	1812.145508	7.178124905	0	1778.909668	90.15125275	-23.45137119	1788.407227	87.23750305
5/7/11 17:55	10163.16406	1809.601074	16.20624924	-4.334975243	1812.138184	7.321874619	0	1778.909668	90.63249969	-23.53071618	1788.371094	88.4624939
5/7/11 17:57	10164.83594	1809.601074	15.97187519	-4.34218812	1812.130981	7.318749905	0	1778.909668	89.63500214	-23.51628494	1788.385498	89.77500153
5/7/11 17:58	10166.49316	1809.601074	16.05624962	-4.334975243	1812.138184	7.424999714	0	1778.909668	91.01750183	-23.52349615	1788.378296	86.80000305
5/7/11 18:00	10168.16797	1809.601074	15.63750076	-4.327762365	1812.145508	7.159374714	0	1778.909668	90.40499878	-23.43694448	1788.464844	86.51999664
5/7/11 18:02	10169.83984	1809.601074	16.06562424	-4.334975243	1812.138184	7.140625477	0	1778.909668	91.46375275	-23.45137119	1788.450439	89.79250336
5/7/11 18:03	10171.49707	1809.596802	15.74375057	-4.334975243	1812.138184	7.131250381	0	1778.909668	90.75499725	-23.53792739	1788.363892	86.35375214
5/7/11 18:05	10173.1709	1809.601074	15.59374905	-4.334975243	1812.130981	7.296875	0	1778.909668	90.93000031	-23.57398772	1788.327881	87.31625366
5/7/11 18:07	10174.82617	1809.601074	15.99062538	-4.320549726	1812.145508	7.168749809	0	1778.909668	91.12249756	-23.56677651	1788.335083	85.52249908
5/7/11 18:08	10176.50098	1809.601074	15.83437443	-4.34218812	1812.138184	7.103125095	0	1778.909668	90.72875214	-23.52349615	1788.378296	87.98125458
5/7/11 18:10	10178.1582	1809.601074	15.80312538	-4.320549726	1812.15271	7.406249523	0	1778.909668	89.03999329	-23.60284114	1788.29895	86.16999817
5/7/11 18:12	10179.83398	1809.596802	16.08124924	-4.327762365	1812.145508	7.349999905	0	1778.909668	91.49874878	-23.49464703	1788.407227	85.86374664
5/7/11 18:28	10196.48633	1809.601074	15.70937443	-4.320549726	1812.145508	7.175000191	0	1778.909668	90.125	-23.50801945	1788.393799	87.44750214
5/7/11 18:45	10213.16504	1809.601074	15.25	-4.334975243	1812.138184	7.284375191	0	1778.909668	90.81624603	-23.50801945	1788.393799	86.95749664
5/7/11 19:02	10229.80762	1809.601074	14.953125	-4.334975243	1812.130981	7.106249809	0	1778.909668	91.03500366	-23.53897953	1788.362793	86.83499908
5/7/11 19:18	10246.47266	1809.601074	15.34687424	-4.334975243	1812.130981	7.103125095	0	1778.909668	91.38500214	-23.45963478	1788.442139	84.21875
5/7/11 19:35	10263.13477	1809.596802	15.16562557	-4.320549726	1812.138184	7.087499619	0	1778.909668	91.24500275	-23.45963478	1788.420532	86.11750031
5/7/11 19:52	10279.80566	1809.601074	15.20312405	-4.334975243	1812.138184	7.268749714	0	1778.909668	91.50749969	-23.52770495	1788.431763	85.67124939
5/7/11 20:08	10296.4707	1809.596802	14.95937538	-4.334975243	1812.138184	7.171875	0	1778.909668	92.71499634	-23.5338726	1788.36792	84.57749939
5/7/11 20:25	10313.13086	1809.601074	15.30937576	-4.34218812	1812.123779	6.949999809	0	1778.909668	91.18374634	-23.49269676	1788.302002	87.0799942
5/7/11 20:42	10329.79883	1809.601074	14.828125	-4.334975243	1812.130981	7.037500381	0	1778.909668	91.16624451	-23.50607157	1788.395752	82.9937439
5/7/11 20:58	10346.45996	1809.601074	15.08437538	-4.334975243	1812.130981	7.159374714	0	1778.909668	90.78125	-23.62147665	1788.280273	87.59624481
5/7/11 21:15	10363.1123	1809.601074	15.12812519	-4.334975243	1812.15271	7.196875095	0	1778.909668	90.89499664	-23.5153892	1788.386475	86.38874817
5/7/11 21:32	10379.77539	1809.596802	14.921875	-4.334975243	1812.138184	7.050000191	0	1778.909668	90.85124969	-23.53297019	1788.368896	88.42749786
5/7/11 21:48	10396.44141	1809.596802	14.63125038	-4.334975243	1812.130981	6.818749905	0	1778.909668	91.57749939	-23.53402233	1788.317261	85.59249878
5/7/11 22:05	10413.10254	1809.601074	14.63437557	-4.334975243	1812.130981	6.743750095	0	1778.909668	92.40875244	-23.44130707	1788.460449	85.40874481
5/7/11 22:22	10429.77539	1809.601074	14.54062462	-4.327762365	1812.15271	6.896874905	0	1778.909668	90.39625549	-23.55882359	1788.343018	85.81999969
5/7/11 22:38	10446.42773	1809.601074	14.59375	-4.34218812	1812.138184	7.25	0	1778.909668	92.33000183	-23.55776906	1788.343994	87.63999939

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW4_WLE	RW4_Flow	RW5_WLD	RW5_WLE	RW5_Flow	RW6_WLD	RW6_WLE	RW6_Flow	RW7_WLD	RW7_WLE	RW7_Flow
5/7/11 22:55	10463.09277	1809.601074	14.59062576	-4.327762365	1812.145508	6.993749619	0	1778.909668	91.44625092	-23.45363426	1788.448242	85.58374786
5/7/11 23:12	10479.74805	1809.601074	14.49687481	-4.34218812	1812.123779	6.96875	0	1778.909668	92.21624756	-23.5236547	1788.378174	85.7325058
5/7/11 23:28	10496.40918	1809.596802	14.36562538	-4.327762365	1812.138184	6.946875095	0	1778.909668	90.46624756	-23.60915637	1788.292725	84.01750183
5/7/11 23:45	10513.08496	1809.596802	14.67812538	-4.327762365	1812.138184	6.690625191	0	1778.909668	90.46624756	-23.5338726	1788.36792	82.15374756
5/8/11 0:02	10529.74902	1809.601074	14.54062462	-4.320549726	1812.15271	6.956250191	0	1778.909668	91.82250214	-23.43799686	1788.463867	82.43374634
5/8/11 0:18	10546.40137	1809.601074	14.57499981	-4.334975243	1812.138184	6.921874523	0	1778.909668	92.61875153	-23.44626427	1788.455566	85.4437561
5/8/11 0:35	10563.07324	1809.601074	14.49062538	-4.327762365	1812.145508	6.784375191	0	1778.909668	91.63874817	-23.54108381	1788.360718	83.24749756
5/8/11 0:52	10579.73535	1809.596802	14.55937481	-4.349401236	1812.123779	6.837500095	0	1778.909668	89.96749878	-23.56993294	1788.331909	86.80000305
5/8/11 1:08	10596.39941	1809.601074	14.38125038	-4.320549726	1812.15271	6.887499809	0	1778.909668	92.04125214	-23.49464703	1788.407227	84.15750122
5/8/11 1:25	10613.05664	1809.601074	14.36562538	-4.327762365	1812.138184	6.965625286	0	1778.909668	91.15750122	-23.43799686	1788.463867	83.60625458
5/8/11 1:42	10629.71582	1809.601074	14.02812481	-4.334975243	1812.138184	6.953124523	0	1778.909668	91.79624939	-23.5451386	1788.356689	83.50999451
5/8/11 1:58	10646.38281	1809.601074	14.41562462	-4.334975243	1812.138184	6.837500095	0	1778.909668	91.55999756	-23.48638153	1788.415405	83.88624573
5/8/11 2:15	10663.04102	1809.601074	14.42500019	-4.334975243	1812.138184	6.768749714	0	1778.909668	90.94750214	-23.58014894	1788.321655	83.85124969
5/8/11 2:32	10679.70703	1809.601074	14.01875019	-4.334975243	1812.138184	6.793750286	0	1778.909668	91.20999908	-23.61515903	1788.286621	84.07875061
5/8/11 2:48	10696.36523	1809.596802	14.04062462	-4.334975243	1812.145508	6.90625	0	1778.909668	92.03249359	-23.49148607	1788.410278	83.24749756
5/8/11 3:05	10713.02832	1809.601074	14.27187443	-4.327762365	1812.145508	6.959374905	0	1778.909668	91.40250397	-23.51717877	1788.384644	83.05500031
5/8/11 3:22	10729.69824	1809.596802	14.35000038	-4.327762365	1812.138184	7.012499809	0	1778.909668	92.54000092	-23.48622322	1788.473267	83.78125
5/8/11 3:38	10746.35352	1809.596802	14.60624886	-4.334975243	1812.138184	6.831250191	0	1778.909668	90.75499725	-23.44189262	1788.459961	81.96125031
5/8/11 3:55	10763.0166	1809.601074	13.90312481	-4.327762365	1812.138184	6.815625191	0	1778.909668	90.57125092	-23.44294739	1788.458862	84.61250305
5/8/11 4:12	10779.67285	1809.596802	14.21562386	-4.34218812	1812.130981	6.931249619	0	1778.909668	91.68249512	-23.53581858	1788.365967	83.87750244
5/8/11 4:28	10796.33496	1809.596802	14.33125019	-4.334975243	1812.145508	6.809374809	0	1778.909668	90.81624603	-23.60689139	1788.294922	83.13375092
5/8/11 4:45	10812.99902	1809.596802	13.95937538	-4.334975243	1812.138184	6.809374809	0	1778.909668	92.16374969	-23.53476644	1788.367065	80.84125519
5/8/11 5:02	10829.66895	1809.601074	14.09375095	-4.327762365	1812.138184	6.893750191	0	1778.909668	91.63874817	-23.52755523	1788.374268	82.62625122
5/8/11 5:18	10846.32422	1809.601074	14.19687557	-4.334975243	1812.138184	6.659375191	0	1778.909668	90.37000275	-23.49253845	1788.409302	84.00875092
5/8/11 5:35	10862.99512	1809.601074	14.23124981	-4.327762365	1812.145508	6.828125	0	1778.909668	91.09625244	-23.43679047	1788.465088	83.90374756
5/8/11 5:52	10879.64941	1809.601074	13.9375	-4.34218812	1812.130981	6.768749714	0	1778.909668	91.97124481	-23.44594765	1788.455811	82.18874359
5/8/11 6:08	10896.30957	1809.601074	13.93125057	-4.334975243	1812.138184	6.865624905	0	1778.909668	91.60375214	-23.57578373	1788.32605	81.94374847
5/8/11 6:25	10912.97754	1809.601074	14.11875057	-4.327762365	1812.145508	6.896874905	0	1778.909668	91.83124542	-23.54587817	1788.334351	83.23874664
5/8/11 6:42	10929.62988	1809.601074	14.33749962	-4.327762365	1812.145508	6.965625286	0	1778.909668	91.53375244	-23.45721531	1788.44458	82.78375244
5/8/11 6:58	10946.2998	1809.601074	13.984375	-4.334975243	1812.145508	6.690625191	0	1778.909668	92.12875366	-23.44173431	1788.373535	86.21374512
5/8/11 7:15	10962.95801	1809.601074	14.12812424	-4.34218812	1812.130981	6.778124809	0	1778.909668	91.7437439	-23.58599305	1788.315796	82.97624969
5/8/11 7:32	10979.63574	1809.601074	14.28437519	-4.334975243	1812.138184	6.618750095	0	1778.909668	91.33249664	-23.49733257	1788.404541	81.54125214
5/8/11 7:48	10996.28809	1809.601074	13.77499962	-4.334975243	1812.138184	6.768749714	0	1778.909668	92.08499908	-23.50755262	1788.394287	83.72875214
5/8/11 8:05	11012.94727	1809.596802	13.93125057	-4.334975243	1812.130981	6.956250191	0	1778.909668	92.01499939	-23.35908318	1788.542725	83.30000305
5/8/11 8:22	11029.6084	1809.601074	14.02812481	-4.334975243	1812.145508	6.624999523	0	1778.909668	91.4375	-23.54345465	1788.358398	85.68875122
5/8/11 8:38	11046.28516	1809.601074	13.91562557	-4.327762365	1812.145508	6.684374809	0	1778.909668	90.33500671	-23.57125378	1788.330566	84.47250366
5/8/11 8:55	11062.93848	1809.601074	14.31874943	-4.320549726	1812.15271	6.721875191	0	1778.909668	91.26250458	-23.5392437	1788.362549	84.59500122
5/8/11 9:12	11079.59766	1809.601074	13.82812595	-4.334975243	1812.138184	6.824999809	0	1778.909668	92.49625397	-23.44232225	1788.459473	84.14875031
5/8/11 11:58	11246.22461	1809.601074	13.71562481	-4.334975243	1812.145508	6.862500191	0	1778.909668	91.04374695	-23.28901196	1788.612793	84.12250519
5/8/11 14:45	11412.84082	1809.592529	13.64999962	-4.349401236	1812.123779	6.953124523	0	1778.909668	92.22499847	-23.58064413	1788.321167	82.52999878
5/8/11 17:32	11579.46484	1809.601074	13.72500038	-4.334975243	1812.130981	6.921874523	0	1778.909668	91.70874786	-23.55463672	1788.419312	82.54750061
5/8/11 20:18	11746.08008	1809.601074	13.65312481	-4.334975243	1812.130981	6.831250191	0	1778.909668	93.10874939	-23.47814226	1788.423706	82.09249878
5/8/11 23:05	11912.70801	1809.601074	13.18437481	-4.349401236	1812.130981	6.787499905	0	1778.909668	90.31749725	-23.57627463	1788.325562	82.31999969
5/9/11 1:52	12079.33105	1809.601074	13.19999981	-4.327762365	1812.145508	7.021874905	0	1778.909668	91.16624451	-23.55327201	1788.348511	81.69874573
5/9/11 4:38	12245.95605	1809.596802	13.61562443	-4.34218812	1812.130981	6.490624905	0	1778.909668	90.93874359	-23.42012262	1788.481689	83.37875366
5/9/11 7:25	12412.58398	1809.601074	13.37500095	-4.334975243	1812.138184	6.696874619	0	1778.909668	91.02624512	-23.50983334	1788.391968	83.09000397
5/9/11 10:12	12579.20117	1809.596802	13.65625	-4.334975243	1812.138184	6.443749905	0	1778.909668	92.27749634	-23.50472879	1788.411499	79.86125183
5/9/11 12:58	12745.81543	1809.605469	13.20624924	-4.34218812	1812.130981	6.596875191	0	1778.909668	92.35625458	-23.53026485	1788.371582	77.80500031

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW4_WLE	RW4_Flow	RW5_WLD	RW5_WLE	RW5_Flow	RW6_WLD	RW6_WLE	RW6_Flow	RW7_WLD	RW7_WLE	RW7_Flow
5/9/11 15:45	12912.44727	1809.601074	13.56562519	-4.34218812	1812.130981	6.434374809	0	1778.909668	91.19249725	-23.49057484	1788.411255	78.00624847
5/9/11 18:32	13079.07129	1809.596802	13.24999905	-4.327762365	1812.145508	6.506249905	0	1778.909668	90.86000061	-23.4934144	1788.350708	77.21875
5/9/11 21:18	13245.69336	1809.596802	12.78437519	-4.334975243	1812.130981	6.425000191	0	1778.909668	91.49874878	-23.53100443	1788.37085	74.93499756
5/10/11 0:05	13412.30078	1809.601074	13.15937519	-4.327762365	1812.145508	6.453125	0	1778.909668	90.21250153	-23.54574394	1788.356079	77.45500183
5/10/11 2:52	13578.92676	1809.601074	12.98750019	-4.34218812	1812.130981	6.684374809	0	1778.909668	90.125	-23.45603323	1788.445801	75.98500061
5/10/11 5:38	13745.55469	1809.605469	12.90625	-4.327762365	1812.145508	6.259375095	0	1778.909668	91.62124634	-23.55358243	1788.348267	76.59749603
5/10/11 8:25	13912.16602	1809.601074	13.08437443	-4.334975243	1812.145508	6.365624905	0	1778.909668	90.70249939	-23.48044491	1788.421387	79.05625153
5/10/11 11:12	14078.79785	1809.601074	12.91874981	-4.334975243	1812.138184	6.284374714	0	1778.909668	90.97375488	-23.45627546	1788.445557	74.67250061
5/10/11 13:58	14245.4082	1809.601074	13.15625	-4.34218812	1812.130981	6.393750191	0	1778.909668	90.86000061	-23.5569458	1788.344849	78.00624847
5/10/11 16:45	14412.03418	1809.596802	13.27500057	-4.334975243	1812.138184	6.190624714	0	1778.909668	91.49874878	-23.52883196	1788.373047	74.95249939
5/10/11 19:32	14578.66016	1809.601074	13.16875076	-4.327762365	1812.145508	6.340625286	0	1778.909668	91.06999969	-23.57105565	1788.330811	75.03125
5/10/11 22:18	14745.27637	1809.596802	12.328125	-4.327762365	1812.138184	6.300000191	0	1778.909668	90.89499664	-23.52345228	1788.378418	78.18125153
5/11/11 1:05	14911.90234	1809.601074	13.11562538	-4.34218812	1812.130981	6.168749809	0	1778.909668	90.05500031	-23.4926548	1788.40918	76.68499756
5/11/11 3:52	15078.51758	1809.601074	12.67500114	-4.327762365	1812.138184	6.146874905	0	1778.909668	91.69125366	-23.52571511	1788.376099	77.12249756
5/11/11 6:38	15245.15137	1809.601074	12.55625057	-4.320549726	1812.145508	6.324999809	0	1778.909668	91.34999847	-23.49733257	1788.404541	73.9549942
5/11/11 9:25	15411.76953	1809.601074	12.95624924	-4.334975243	1812.138184	6.256250381	0	1778.909668	89.30250549	-23.49554539	1788.40625	77.55124664
5/11/11 12:12	15578.3877	1809.601074	12.47187519	-4.334975243	1812.138184	6.253124714	0	1778.909668	91.69125366	-23.53581858	1788.365967	76.87750244
5/11/11 14:58	15745.00391	1809.601074	12.70937443	-4.334975243	1812.138184	6.337500572	0	1778.909668	91.75250244	-23.43495226	1788.466797	75.79249573
5/11/11 17:45	15911.62402	1809.601074	12.83749962	-4.334975243	1812.130981	6.203125	0	1778.909668	92.05874634	-23.56556368	1788.336304	77.06124878
5/11/11 20:32	16078.25977	1809.596802	12.43437576	-4.334975243	1812.138184	6.375	0	1778.909668	92.46125031	-23.48380375	1788.417969	78.14624786
5/11/11 23:18	16244.87988	1809.601074	12.67187405	-4.327762365	1812.145508	6.324999809	0	1778.909668	90.69374847	-23.4943347	1788.407471	79.83499908
5/12/11 2:05	16411.49414	1809.596802	12.58437443	-4.334975243	1812.138184	6.362500191	0	1778.909668	91.90125275	-23.54871774	1788.353149	77.80500031
5/12/11 4:52	16578.11719	1809.596802	12.61562538	-4.320549726	1812.15271	6.15625	0	1778.909668	92.06750488	-23.47042942	1788.431396	76.24749756
5/12/11 15:58	17244.60156	1809.601074	12.56874943	-4.327762365	1812.130981	6.540624619	0	1778.909668	91.33249664	-23.47764492	1788.424194	76.86875153

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW8_WLD	RW8_WLE	RW8_Flow	RW_TotalFlow	MW19A_WLD	MW19A_WLE	MW19C_WLD	MW19C_WLE	MW20A_WLD	MW20A_WLE	MW20C_WLD
4/30/11 16:29	2.551150084	-0.094726563	1811.393677	-0.00875	0.560000002	0.001055717	1812.519287	-0.068843842	1811.976807	-0.083827972	1812.307983	0.06312561
4/30/11 16:39	9.998366356	-9.982704163	1801.411011	109.4537506	309.0499878	-0.057908058	1812.460327	-0.036773682	1811.938965	-0.270886421	1812.043335	0.007205963
4/30/11 16:49	19.99691582	-9.931159973	1801.469727	103.4775009	322.8399963	-0.073577881	1812.444702	-0.072364807	1811.903442	-0.608333588	1811.705933	0.008262634
4/30/11 16:59	29.99004936	-10.10622025	1801.447144	101.9987488	316.2949829	-0.065525055	1812.45166	-0.065917969	1811.908813	-0.776985168	1811.543457	0.022033691
4/30/11 17:09	39.98183441	-10.17219353	1801.646973	100.6949997	324.0650024	-0.074871063	1812.443359	-0.060699463	1811.915161	-0.86701107	1811.469238	0.012592316
4/30/11 17:19	49.97788239	-9.83228302	1801.352173	97.84249878	293.6849976	-0.081085205	1812.437134	-0.067150116	1811.908691	-0.902612686	1811.411621	0.006149292
4/30/11 17:29	59.9766655	-9.804489136	1801.596436	99.59249878	322.9799805	-0.082139969	1812.436157	-0.060634613	1811.915161	-0.925662994	1811.38855	0.005329132
4/30/11 17:39	69.97721863	-10.26821899	1801.13269	98.23625183	308.875	-0.084362984	1812.433838	-0.055294037	1811.920532	-0.927838326	1811.386353	0.00333786
4/30/11 17:49	79.97341919	-10.20241165	1801.198486	99.28625488	311.7799988	-0.075922012	1812.442383	-0.068840027	1811.90686	-0.934103012	1811.380127	-0.010196686
4/30/11 17:59	89.97554779	-9.860399246	1801.541504	99.54000092	311.7099915	-0.079083443	1812.439209	-0.072002411	1811.903931	-0.944591522	1811.369629	-0.006034851
4/30/11 18:09	99.9717865	-10.13749313	1801.263428	101.3249969	313.7399902	-0.069264412	1812.448975	-0.061630249	1811.914185	-0.934502602	1811.372314	-0.017642975
4/30/11 18:19	109.9689636	-9.884145737	1801.516724	98.13999939	286.230011	-0.074904442	1812.443359	-0.068191528	1811.907593	-0.947759628	1811.366455	-0.024211884
4/30/11 18:29	119.956665	-9.872877121	1801.188965	98.55124664	312.0599976	-0.078068733	1812.440186	-0.071121216	1811.904785	-0.950922966	1811.363281	-0.027137756
4/30/11 18:39	129.9540863	-9.996545792	1801.404297	99.9512558	310.8349915	-0.079122543	1812.439087	-0.064723969	1811.896484	-0.944649696	1811.369507	-0.035396576
4/30/11 18:49	139.9494781	-9.98828125	1801.693848	97.55374908	313.1799927	-0.078068733	1812.440186	-0.07100296	1811.912109	-0.943595886	1811.370605	-0.019695282
4/30/11 18:59	149.9534149	-9.705028534	1801.385742	100.4850006	308.105011	-0.075919151	1812.442383	-0.061496735	1811.914307	-0.956132889	1811.358032	-0.032173157
4/30/11 19:09	159.960968	-10.29348373	1801.107422	98.25375366	310.2049866	-0.050933838	1812.467285	-0.080253601	1811.894531	-0.953089714	1811.360107	-0.043598175
4/30/11 19:19	169.9581451	-9.951477051	1801.449463	97.83374786	305.7249756	-0.069468498	1812.44873	-0.069816589	1811.906006	-0.949786186	1811.36438	-0.047821045
4/30/11 19:29	179.9511261	-9.959745407	1801.441162	97.16000366	305.8650208	-0.077986717	1812.440308	-0.078205109	1811.897705	-0.950908661	1811.363281	-0.05619812
4/30/11 19:39	189.9528656	-9.752672195	1801.158813	98.02625275	293.3349915	-0.071461678	1812.446777	-0.086467743	1811.889404	-0.951828003	1811.362427	-0.057136536
4/30/11 19:49	199.947876	-9.972219467	1801.428711	95.93499756	306.144989	-0.076258659	1812.442017	-0.090690613	1811.885132	-0.949038506	1811.357788	-0.076004028
4/30/11 19:59	209.9439545	-9.680702209	1801.720215	97.40499878	309.7850037	-0.079788208	1812.438477	-0.080245972	1811.895508	-0.952858925	1811.361328	-0.065574646
4/30/11 20:09	219.9481049	-9.806480408	1801.59436	97.35250092	318.0100098	-0.075639725	1812.442627	-0.075958252	1811.899902	-0.963366508	1811.35083	-0.075942993
4/30/11 20:19	229.9294434	-9.790102005	1801.61084	97.57125092	308.2449951	-0.072629929	1812.44458	-0.095897675	1811.879883	-0.968706131	1811.345459	-0.088542938
4/30/11 20:29	239.9272766	-9.960216522	1801.70752	97.03749847	298.0599976	-0.084908485	1812.43335	-0.114780426	1811.861084	-0.958061218	1811.356201	-0.092769623
4/30/11 20:39	249.9377594	-9.709867477	1801.69104	97.22125244	319.1650085	-0.072472572	1812.444702	-0.102226257	1811.872559	-0.967561722	1811.345581	-0.102203369
4/30/11 20:49	259.9354858	-9.844964981	1801.555908	97.28250122	294.7349854	-0.078917503	1812.44043	-0.122402191	1811.853516	-0.965579987	1811.341309	-0.115039825
4/30/11 20:59	269.9232483	-9.876970291	1801.372437	97.62374878	299.2849731	-0.081254959	1812.437012	-0.10357666	1811.872192	-0.968873024	1811.345337	-0.110877991
4/30/11 21:09	279.9238892	-10.13363647	1801.267212	96.73125458	286.0550232	-0.092445374	1812.425781	-0.107795715	1811.868042	-0.965554237	1811.348633	-0.115104675
4/30/11 21:19	289.9251099	-9.935886383	1801.464966	97.43125153	290.289978	-0.082042694	1812.437256	-0.111778259	1811.849365	-0.969773293	1811.344482	-0.126407623
4/30/11 21:29	299.9246216	-10.01327896	1801.387573	97.87750244	305.6900024	-0.072544098	1812.446777	-0.417583466	1811.559326	-0.974981308	1811.340332	-0.13168335
4/30/11 21:39	309.9195862	-9.901033401	1801.499878	97.96500397	287.105011	-0.075594902	1812.442627	-0.120101929	1811.855713	-0.970755577	1811.343506	-0.142059326
4/30/11 21:49	319.918335	-9.89802742	1801.502808	96.19750214	307.3349915	-0.080981255	1812.438354	-0.116985321	1811.858887	-0.953044891	1811.361206	-0.160926819
4/30/11 21:59	329.9153442	-9.974369049	1801.275024	96.42500305	298.7949829	-0.076803207	1812.441406	-0.121208191	1811.854614	-0.964591026	1811.349609	-0.165149689
4/30/11 22:09	339.9111023	-9.847694397	1801.553223	96.98500061	294.2449951	-0.080425262	1812.437866	-0.131584167	1811.844238	-0.953369141	1811.36084	-0.160869598
4/30/11 22:19	349.9128113	-10.00954056	1801.391357	98.92749786	304.9199829	-0.074879646	1812.443359	-0.141960144	1811.834961	-0.963661194	1811.351563	-0.156593323
4/30/11 22:29	359.9077759	-9.838533401	1801.562378	98.36750031	303.8349915	-0.085355759	1812.432861	-0.114864349	1811.860962	-0.965769768	1811.348389	-0.173469543
4/30/11 22:39	369.9070129	-9.877754211	1801.523071	98.71749878	298.7949829	-0.06643486	1812.451782	-0.125240326	1811.850586	-0.961541176	1811.359985	-0.176517487
4/30/11 22:49	379.9004211	-9.705696106	1801.493164	98.55999756	321.8600159	-0.067722321	1812.450562	-0.126296997	1811.849487	-0.970058441	1811.358765	-0.19222641
4/30/11 22:59	389.9001465	-9.988056183	1801.412842	98.84874725	292.5650024	-0.054004669	1812.464233	-0.142017365	1811.83374	-0.97837162	1811.335815	-0.193275452
4/30/11 23:09	399.8978577	-10.14163589	1801.259277	99.70625305	294.5599976	-0.063458443	1812.454834	-0.129459381	1811.845337	-0.951159477	1811.361938	-0.195384979
4/30/11 23:19	409.8957214	-10.02832985	1801.372559	100.8175049	313.3900146	-0.050680161	1812.467529	-0.138900757	1811.836914	-0.960461617	1811.361084	-0.190170288
4/30/11 23:29	419.8928528	-9.938776016	1801.462158	97.36125183	297.0450134	-0.055018425	1812.463257	-0.135791779	1811.839966	-0.957425117	1811.356812	-0.20904541
4/30/11 23:39	429.8929138	-9.854324341	1801.546509	96.87125397	287.105011	-0.063979149	1812.455322	-0.145347595	1811.831543	-0.959267616	1811.363281	-0.203948975
4/30/11 23:49	439.8961182	-9.869802475	1801.350708	97.63249969	291.375	-0.050489426	1812.467773	-0.139072418	1811.83667	-0.953043938	1811.361206	-0.21232605
4/30/11 23:59	449.8925171	-9.930664063	1801.477417	95.34875488	305.6549988	-0.04634285	1812.471924	-0.134788513	1811.841064	-0.956210136	1811.358032	-0.222698212
5/1/11 0:09	459.879425	-9.926612854	1801.474243	97.43125153	302.3299866	-0.042276382	1812.475952	-0.137954712	1811.830566	-0.959441185	1811.354736	-0.22586441
5/1/11 0:19	469.8830261	-9.908130646	1801.492798	98.78749847	301.6999817	-0.044499397	1812.473755	-0.133670807	1811.84314	-0.955345154	1811.359863	-0.221580505

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW8_WLD	RW8_WLE	RW8_Flow	RW_TotalFlow	MW19A_WLD	MW19A_WLE	MW19C_WLD	MW19C_WLE	MW20A_WLD	MW20A_WLE	MW20C_WLD
5/1/11 0:29	479.881073	-9.63403511	1801.766846	97.58874512	315.3150024	-0.038241386	1812.47998	-0.148212433	1811.827637	-0.962670326	1811.351563	-0.228786469
5/1/11 0:39	489.8788452	-9.730964661	1801.669922	97.71125031	284.5500183	-0.03386879	1812.484375	-0.151374817	1811.824463	-0.943710327	1811.370483	-0.231956482
5/1/11 0:49	499.8612976	-9.978315353	1801.422607	99.3999939	312.6199951	-0.050484657	1812.466675	-0.138824463	1811.835938	-0.95309639	1811.360107	-0.23406601
5/1/11 0:59	509.8616943	-9.692955017	1801.707886	98.53374481	308.8400269	-0.03156662	1812.47937	-0.141990662	1811.547974	-0.941525459	1811.372681	-0.237232208
5/1/11 1:09	519.8577881	-10.13504982	1801.265869	98.63874817	285.0049744	-0.026480675	1812.491821	-0.129444122	1811.846436	-0.943703651	1811.370483	-0.239337921
5/1/11 1:19	529.8606567	-9.953672409	1801.447266	97.32624817	312.0249939	-0.025425911	1812.491821	-0.128387451	1811.846313	-0.942648888	1811.370483	-0.23828125
5/1/11 1:29	539.8572388	-9.897024155	1801.503906	97.31749725	287.8399963	-0.027649879	1812.490601	-0.129444122	1811.845337	-0.929100037	1811.384033	-0.246665955
5/1/11 1:39	549.8531494	-10.07629204	1801.324585	98.52500153	308.875	-0.025310516	1812.49292	-0.135597229	1811.84021	-0.942581177	1811.378906	-0.238162994
5/1/11 1:49	559.8547363	-10.14120674	1801.310181	97.32624817	303.4500122	-0.017963409	1812.500244	-0.142810822	1811.840332	-0.935255051	1811.378906	-0.238044739
5/1/11 1:59	569.8573608	-10.07629204	1801.324585	97.93875122	310.625	-0.018079758	1812.500244	-0.128269196	1811.847534	-0.935321808	1811.38623	-0.245491028
5/1/11 2:09	579.8534546	-9.898075104	1801.502808	98.35874939	306.5299988	-0.013931274	1812.505371	-0.137706757	1811.838135	-0.922763824	1811.391479	-0.240276337
5/1/11 2:19	589.8516235	-9.992895126	1801.407959	98.79624939	316.539978	-0.014160156	1812.50415	-0.138763428	1811.837036	-0.93127346	1811.382935	-0.248653412
5/1/11 2:29	599.8493652	-9.980419159	1801.42041	98.58625031	301.6999817	-0.001688004	1812.516602	-0.133365631	1811.842407	-0.926064491	1811.388184	-0.243263245
5/1/11 2:39	609.8544312	-10.09582329	1801.297852	97.91249847	296.8349915	-0.001802444	1812.509155	-0.133365631	1811.849731	-0.918805122	1811.395386	-0.243263245
5/1/11 2:49	619.8500366	-9.895811081	1801.505127	99.12875366	318.3599854	0.003813744	1812.522095	-0.135421753	1811.840332	-0.905990601	1811.408203	-0.223335266
5/1/11 2:59	629.8358154	-9.951406479	1801.305176	96.31999969	308.2099915	0.013043404	1812.530273	-0.133430481	1811.841309	-0.8966856	1811.40918	-0.235992432
5/1/11 3:09	639.8425293	-9.822629929	1801.578247	98.26249695	300.9299927	-0.295613289	1812.222656	-0.134609222	1811.841064	-0.927013397	1811.387207	-0.237171173
5/1/11 3:19	649.840332	-10.121521	1801.279297	98.22750092	303.3450012	-0.005838394	1812.512451	-0.130443573	1811.845337	-0.915577888	1811.398682	-0.526062012
5/1/11 3:29	659.8231201	-10.03090668	1801.369995	98.4375	299.8450012	-0.001916885	1812.516357	-0.111495972	1811.864258	-0.904202461	1811.410034	-0.250705719
5/1/11 3:39	669.822876	-10.11956787	1801.28125	97.77249908	305.9349976	0.003315926	1812.521606	-0.10615921	1811.869629	-0.90631485	1811.407837	-0.252696991
5/1/11 3:49	679.8244629	-10.02474976	1801.376099	99.04125214	302.3299866	0.004371643	1812.522583	-0.112430573	1811.863403	-0.905260086	1811.408936	-0.258968353
5/1/11 3:59	689.817688	-10.11130142	1801.289551	100.5374985	300.7550049	0.004371643	1812.523682	-0.112312317	1811.863525	-0.905260086	1811.408936	-0.24420166
5/1/11 4:09	699.8319702	-9.920606613	1801.220581	101.097496	282.625	0.000191689	1812.518433	-0.402355194	1811.573486	-0.902094841	1811.412109	-0.241035461
5/1/11 4:19	709.8260498	-10.05765533	1801.343262	98.73500061	306.2149963	0.000191689	1812.37915	-0.101818085	1811.866699	-0.894768715	1811.404663	-0.24835968
5/1/11 4:29	719.821228	-9.993789673	1801.342163	99.6625061	309.2949829	0.007538795	1812.525757	-0.110206604	1811.866699	-0.903149605	1811.419434	-0.256736755
5/1/11 4:39	729.8097534	-10.10198212	1801.29895	99.83750153	318.5	-0.000979424	1812.517334	-0.117534637	1811.858276	-0.895890236	1811.418335	-0.256736755
5/1/11 4:49	739.8087769	-9.908285141	1801.492554	98.83999634	305.6200256	0.012969971	1812.532227	-0.11113739	1811.865723	-0.896744728	1811.418457	-0.250350952
5/1/11 4:59	749.8054199	-9.869064331	1801.575073	96.86249542	309.5400085	0.016130447	1812.534424	-0.093437195	1811.881348	-0.893583298	1811.42688	-0.247303009
5/1/11 5:09	759.8016968	-10.06486702	1801.337036	98.97125244	289.9400024	0.008590698	1812.526855	-0.100646973	1811.875122	-0.886371613	1811.427856	-0.247184753
5/1/11 5:19	769.7966919	-10.18959045	1801.211304	98.77874756	288.5749817	-0.009114265	1812.509155	-0.096595764	1811.87915	-0.88214016	1811.432129	-0.26512146
5/1/11 5:29	779.7998047	-9.887701035	1801.513184	98.10499573	310.625	0.004486084	1812.522705	-0.090206146	1811.88562	-0.883197784	1811.43103	-0.266059875
5/1/11 5:39	789.7988892	-10.08455849	1801.316284	99.00624847	311.2200012	0.016921043	1812.535156	-0.092319489	1811.883423	-0.892701149	1811.421509	-0.26084137
5/1/11 5:49	799.7960815	-9.990791321	1801.410034	100.0737534	298.4799805	0.009916306	1812.528198	-0.092197418	1811.883545	-0.877850533	1811.436401	-0.253395081
5/1/11 5:59	809.7993774	-9.942403793	1801.458496	98.98874664	292.0750122	0.01492691	1812.533203	-0.087097168	1811.889771	-0.880090714	1811.435181	-0.262950897
5/1/11 6:09	819.8001709	-9.931135178	1801.411987	100.4762497	323.0499878	0.011760712	1812.522705	-0.082931519	1811.892822	-0.868588448	1811.445557	-0.258789063
5/1/11 6:19	829.7947388	-9.933242798	1801.467651	98.25375366	307.8599854	0.008480072	1812.526733	-0.077709198	1811.897095	-0.878090858	1811.435059	-0.260902405
5/1/11 6:29	839.7921143	-10.24655533	1801.154297	99.74124908	300.2650146	0.006485939	1812.52478	-0.088207245	1811.887573	-0.881188393	1811.432983	-0.549789429
5/1/11 6:39	849.7927856	-9.901386261	1801.499512	100.2750015	299.6350098	0.012858391	1812.532227	-0.074596405	1811.902222	-0.882175446	1811.433105	-0.265117645
5/1/11 6:49	859.7770996	-10.04159546	1801.359253	99.51374817	312.5500183	0.002495766	1812.520752	-0.063106537	1811.91272	-0.877950668	1811.428955	-0.275611877
5/1/11 6:59	869.7738037	-9.850000381	1801.550903	98.55999756	313.6350098	0.012821198	1812.531128	-0.073719025	1811.901001	-0.859186172	1811.453979	-0.271568298
5/1/11 7:09	879.7728882	-9.959247589	1801.44165	100.5287552	296.7999878	0.012936592	1812.53125	-0.067558289	1811.908203	-0.867498398	1811.446655	-0.265415192
5/1/11 7:19	889.7697144	-9.90981102	1801.491089	97.89499664	314.2650146	0.026501656	1812.543701	-0.061408997	1811.91333	-0.853886604	1811.44458	-0.266590118
5/1/11 7:29	899.7668457	-9.940771103	1801.460083	97.83374786	285.0750122	0.017193794	1812.5354	-0.070964813	1811.904785	-0.855930328	1811.458252	-0.27614975
5/1/11 7:39	909.7659912	-9.686210632	1801.714722	99.46125031	316.1900024	0.020248413	1812.538574	-0.068977356	1811.907837	-0.861229897	1811.453979	-0.281478882
5/1/11 7:49	919.7631836	-9.77381897	1801.627075	100.1699982	290.394989	0.032794952	1812.551025	-0.070148468	1811.90564	-0.854938507	1811.459229	-0.260673523
5/1/11 7:59	929.7573853	-10.21170044	1801.189209	100.625	303.625	0.04210186	1812.560303	-0.0534935	1811.915039	-0.845570564	1811.468506	-0.258682251
5/1/11 8:09	939.7544556	-9.70258522	1801.698242	98.875	283.3599854	0.038892746	1812.557129	-0.064060211	1811.911743	-0.856087685	1811.45813	-0.254585266
5/1/11 8:19	949.7680054	-10.003582	1801.498291	98.90125275	285.7050171	0.033273697	1812.551514	-0.062358856	1811.935425	-0.854219437	1811.459961	-0.267539978

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW8_WLD	RW8_WLE	RW8_Flow	RW_TotalFlow	MW19A_WLD	MW19A_WLE	MW19C_WLD	MW19C_WLE	MW20A_WLD	MW20A_WLE	MW20C_WLD
5/1/11 8:29	959.7615967	-9.939716339	1801.533325	99.19874573	295.7150269	0.046764374	1812.565063	-0.063648224	1811.912109	-0.848011971	1811.466187	-0.254180908
5/1/11 8:39	969.7555542	-10.3014183	1801.099487	98.51625061	301.2099915	0.038359642	1812.556641	-0.050163269	1811.925659	-0.849069595	1811.465088	-0.25535965
5/1/11 8:49	979.753479	-10.3385334	1801.061279	98.20124817	281.9250183	0.043481827	1812.561768	-0.052631378	1811.92334	-0.858571053	1811.455688	-0.250495911
5/1/11 8:59	989.7450562	-9.665620804	1801.735229	98.75250244	316.9949951	0.031531334	1812.549805	-0.042251587	1811.933594	-0.841018677	1811.473145	-0.240123749
5/1/11 9:09	999.7601318	-10.16647339	1801.378662	100.0912476	280.0700073	0.043023109	1812.561279	-0.045776367	1811.915405	-0.836841583	1811.477417	-0.243644714
5/1/11 9:19	1009.750244	-10.23560333	1801.165283	99.47000122	293.4400024	0.038459778	1812.556641	-0.050350189	1811.925415	-0.841259956	1811.4729	-0.240898132
5/1/11 9:29	1019.749146	-10.0851841	1801.315674	100.3099976	293.3000183	0.044484138	1812.562744	-0.044788361	1811.93103	-0.842450142	1811.471802	-0.242664337
5/1/11 9:39	1029.747192	-9.996679306	1801.678345	100.7387466	318.5	0.045639038	1812.564941	-0.03068924	1811.946167	-0.840929031	1811.474365	-0.235900879
5/1/11 9:49	1039.740234	-10.08639336	1801.314453	98.61250305	306.144989	0.03512764	1812.553345	-0.025341034	1811.950439	-0.844096184	1811.484741	-0.237876892
5/1/11 9:59	1049.738892	-9.948293686	1801.452637	99.65374756	306.5650024	0.057118416	1812.575439	-0.017784119	1811.958008	-0.828969002	1811.485229	-0.237651825
5/1/11 10:09	1059.74707	-9.847316742	1801.207397	97.94750214	312.480011	0.057691574	1812.575928	-0.0092659	1811.966553	-0.821310997	1811.49292	-0.229133606
5/1/11 10:19	1069.72522	-10.04627419	1801.354614	99.34750366	297.4299927	0.06116581	1812.579468	0.001533508	1811.977295	-0.817984581	1811.496216	-0.218345642
5/1/11 10:29	1079.729004	-9.923654556	1801.477173	99.19000244	301.980011	0.068476677	1812.585815	0.002010345	1811.976807	-0.817984581	1811.495239	-0.217868805
5/1/11 10:39	1089.724976	-9.988567352	1801.412354	98.08750153	278.1100159	0.068706512	1812.586914	-0.004962921	1811.970825	-0.810592651	1811.503662	-0.210186005
5/1/11 10:49	1099.723145	-9.956716537	1801.444214	99.36499786	307.1950073	0.071602821	1812.58252	-0.002212524	1811.988281	-0.807536125	1811.506714	-0.207439423
5/1/11 10:59	1109.720703	-9.987674713	1801.413208	96.86249542	309.75	0.062375069	1812.580688	-0.004085541	1811.97168	-0.809514999	1811.504639	-0.20198822
5/1/11 11:09	1119.717285	-10.03306007	1801.367798	99.52249908	309.4349976	0.060379982	1812.578491	0.008705139	1811.984497	-0.796907425	1811.517212	-0.211185455
5/1/11 11:19	1129.715332	-9.964086533	1801.436768	98.28874969	317.4850159	0.057331085	1812.575562	0.005302429	1811.981079	-0.800004005	1811.51416	-0.207263947
5/1/11 11:29	1139.710205	-10.02584457	1801.375	98.37625122	293.019989	0.06784153	1812.58606	0.001495361	1811.977295	-0.81149292	1811.502686	-0.196414948
5/1/11 11:39	1149.706421	-10.17732048	1801.223511	98.63000488	308.5599976	0.082500458	1812.600708	0.001613617	1811.977417	-0.81149292	1811.502686	-0.210948944
5/1/11 11:49	1159.718628	-10.05575371	1801.345093	98.41999817	306.144989	0.074097633	1812.592407	0.000675201	1811.976563	-0.805222511	1811.509033	-0.197235107
5/1/11 11:59	1169.719971	-10.22780609	1801.699585	97.97374725	295.3299866	0.082614899	1812.586182	-0.00548172	1811.984985	-0.796773911	1811.517456	-0.196063995
5/1/11 12:09	1179.701172	-10.02885056	1801.37207	97.27375031	310.9750061	0.079257965	1812.612183	-0.001617432	1811.988892	-0.800010681	1811.51416	-0.184867859
5/1/11 12:19	1189.705322	-9.971143723	1801.581177	98.19250488	305.2349854	0.094032288	1812.619507	-0.001617432	1811.981567	-0.807271004	1811.506836	-0.192195892
5/1/11 12:29	1199.699097	-9.73717308	1801.663696	97.57125092	316.4349976	0.097080231	1812.615356	-0.00554657	1811.970215	-0.796847343	1811.517334	-0.188789368
5/1/11 12:39	1209.700073	-9.930864334	1801.469971	99.26875305	310.519989	0.083595276	1812.601807	0.002960205	1811.97876	-0.795789719	1811.518433	-0.172969818
5/1/11 12:49	1219.697754	-9.99067688	1801.410156	99.48749542	289.8699951	0.087659836	1812.605957	0.008174896	1811.98291	-0.805229187	1811.507935	-0.17508316
5/1/11 12:59	1229.688965	-10.19879913	1801.202026	100.9312515	308	0.097196579	1812.615479	-0.012756348	1811.963013	-0.79678154	1811.517456	-0.174026489
5/1/11 13:09	1239.687256	-9.957614899	1801.443237	99.55750275	302.5049744	0.093280792	1812.611572	0.005187988	1811.980957	-0.793481827	1811.520752	-0.170742035
5/1/11 13:19	1249.681152	-10.19053268	1801.210327	98.80500031	313.5650024	0.091287613	1812.616699	0.003078461	1811.978882	-0.802850723	1811.51123	-0.172851563
5/1/11 13:29	1259.67981	-9.983304977	1801.417603	99.51374817	310.6950073	0.089212418	1812.607422	-0.006305695	1811.969482	-0.797575951	1811.516602	-0.174900055
5/1/11 13:39	1269.67688	-10.01832199	1801.382568	98.63874817	309.8200073	0.082839966	1812.608398	0.001960754	1811.999756	-0.789263725	1811.524902	-0.159317017
5/1/11 13:49	1279.674561	-10.12966919	1801.27124	100.3537521	308.2799988	0.094333649	1812.612549	0.006000519	1811.98291	-0.79975605	1811.515503	-0.177246094
5/1/11 13:59	1289.690552	-9.856632233	1801.421631	100.1787567	301.7350159	0.086048126	1812.604248	0.003643036	1811.979492	-0.800742149	1811.513428	-0.172283173
5/1/11 14:09	1299.670654	-9.993679047	1801.407227	100.2400055	298.1650085	0.093395233	1812.611572	0.010616302	1812.001099	-0.793416023	1811.520752	-0.172637939
5/1/11 14:19	1309.682495	-10.1018734	1801.299072	99.19000244	297.5	0.086048126	1812.604248	0.005187988	1811.980835	-0.793416023	1811.520752	-0.170742035
5/1/11 14:29	1319.666016	-9.886537552	1801.514404	98.89250183	306.0749817	0.114423752	1812.60437	0.018081665	1811.994995	-0.79440403	1811.520874	-0.179832458
5/1/11 14:39	1329.680908	-9.987516403	1801.463867	99.75	286.0899963	0.077336311	1812.617554	0.02481842	1812.00061	-0.787344933	1811.526855	-0.165775299
5/1/11 14:49	1339.670898	-10.02148056	1801.379395	99.49625397	295.6100159	0.101989746	1812.598267	0.004695892	1811.987671	-0.784905434	1811.529297	-0.163902283
5/1/11 14:59	1349.670776	-9.864894867	1801.536011	97.43999481	305.7950134	0.09245491	1812.610718	0.016891479	1811.985352	-0.79440403	1811.519775	-0.173694611
5/1/11 15:09	1359.66748	-9.857683182	1801.543213	97.91249847	300.6149902	0.092224121	1812.610474	0.031791687	1812.007446	-0.787212372	1811.526978	-0.166130066
5/1/11 15:19	1369.665039	-9.917339325	1801.497925	99.01499939	311.6749878	0.097959518	1812.616211	0.015075684	1811.982544	-0.781672478	1811.531494	-0.160858154
5/1/11 15:29	1379.666382	-9.951295853	1801.435181	101.7362518	306.6000061	0.100069046	1812.618286	0.012229919	1811.988037	-0.772218704	1811.541992	-0.149051666
5/1/11 15:39	1389.665039	-9.913127899	1801.487793	98.97125244	308.4549866	0.101833344	1812.620117	0.014575958	1811.990479	-0.777653694	1811.543945	-0.139377594
5/1/11 15:49	1399.647217	-10.00478935	1801.489868	100.152504	300.7200012	0.11022377	1812.62854	0.009124756	1811.984985	-0.76879406	1811.54541	-0.137504578
5/1/11 15:59	1409.646118	-10.02132225	1801.459961	100.1262512	297.6750183	0.093933105	1812.611084	0.044242859	1812.019043	-0.770184517	1811.542969	-0.146362305
5/1/11 16:09	1419.645264	-9.745124817	1801.518677	97.72874451	312.8299866	0.109418869	1812.627686	0.022476196	1812.005493	-0.776601791	1811.537598	-0.146129608
5/1/11 16:19	1429.639771	-9.923341751	1801.477539	98.38500214	296.4500122	0.104333878	1812.622559	0.031913757	1812.007813	-0.767082214	1811.547119	-0.136692047

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW8_WLD	RW8_WLE	RW8_Flow	RW_TotalFlow	MW19A_WLD	MW19A_WLE	MW19C_WLD	MW19C_WLE	MW20A_WLD	MW20A_WLE	MW20C_WLD
5/1/11 16:29	1439.636475	-9.863534927	1801.537354	100.3362503	299.4949951	-0.20035553	1812.62561	0.034736633	1812.003174	-0.771785736	1811.54248	-0.141201019
5/1/11 16:39	1449.648315	-10.05722809	1801.343628	99.12875366	305.7249756	0.10118103	1812.619385	0.050685883	1812.026489	-0.770666122	1811.543579	-0.139911652
5/1/11 16:49	1459.631104	-9.898542404	1801.502319	99.00624847	307.2650146	0.116069794	1812.619629	0.03578949	1812.018921	-0.777858734	1811.536377	-0.147472382
5/1/11 16:59	1469.628906	-9.875852585	1801.525024	98.11375427	305.7249756	0.102466583	1812.614502	0.04429245	1812.006592	-0.77680397	1811.538452	-0.14630127
5/1/11 17:09	1479.625854	-9.925289154	1801.475586	98.48125458	310.5899963	0.111215591	1812.629517	0.045589447	1812.021362	-0.775547028	1811.538696	-0.152328491
5/1/11 17:19	1489.62439	-10.04069519	1801.360229	98.67375183	303.4500122	0.11133194	1812.629639	0.038257599	1812.014038	-0.77548027	1811.538696	-0.145004272
5/1/11 17:29	1499.62207	-10.09224129	1801.308594	98.06999969	306.4949951	0.095384598	1812.613647	0.037082672	1812.013184	-0.783995628	1811.530273	-0.160835266
5/1/11 17:39	1509.622559	-9.982992172	1801.417847	98.42874908	296.5899963	0.096786499	1812.607666	0.045230865	1812.02832	-0.775413513	1811.538818	-0.152687073
5/1/11 17:49	1519.621948	-10.09118652	1801.309692	98.75250244	303.1350098	0.089553833	1812.607788	0.038021088	1811.999146	-0.782672882	1811.531494	-0.159893036
5/1/11 17:59	1529.623169	-9.989151001	1801.411743	96.70500183	288.8899841	0.105035782	1812.62439	0.046520233	1812.023438	-0.767101288	1811.548096	-0.129421234
5/1/11 18:09	1539.619629	-10.0778141	1801.32312	99.43500519	307.2650146	0.095727921	1812.607666	0.044651031	1812.006836	-0.776471138	1811.538818	-0.160598755
5/1/11 18:19	1549.622559	-9.940771103	1801.307617	98.95375061	301.4549866	0.080245972	1812.598511	0.043712616	1812.013184	-0.784720421	1811.530518	-0.161529541
5/1/11 18:29	1559.610474	-10.0428009	1801.560059	99.6625061	306.25	0.087785721	1812.613403	0.043712616	1812.019531	-0.784586906	1811.529663	-0.168857574
5/1/11 18:39	1569.606567	-10.05617523	1801.344727	101.5437469	313.144989	0.103498459	1812.621826	0.030227661	1812.005981	-0.76887989	1811.53064	-0.15303421
5/1/11 18:49	1579.605103	-9.861429214	1801.539429	98.93624878	279.0200195	0.103269577	1812.621582	0.052337646	1812.028198	-0.783664703	1811.530518	-0.160240173
5/1/11 18:59	1589.605225	-9.99230957	1801.408569	99.95999908	308	0.080474854	1812.598755	0.043949127	1812.019775	-0.791930199	1811.522217	-0.16129303
5/1/11 19:09	1599.606445	-10.15926361	1801.364258	98.8575058	309.6799927	0.086961746	1812.5979	0.050346375	1812.004272	-0.785507202	1811.528687	-0.169551849
5/1/11 19:19	1609.600952	-9.964513779	1801.436401	98.78749847	311.0099792	0.086732864	1812.60498	0.050228119	1812.026123	-0.785640717	1811.528564	-0.169670105
5/1/11 19:29	1619.597168	-10.03664207	1801.364258	99.71499634	297.0450134	0.087076187	1812.605347	0.035331726	1812.010986	-0.778115273	1811.536133	-0.46295929
5/1/11 19:39	1629.599731	-9.951137543	1801.449707	98.46375275	292.3200073	0.064397812	1812.582642	0.019733429	1811.995605	-0.786297798	1811.520508	-0.178173065
5/1/11 19:49	1639.591675	-10.20464325	1801.196289	98.46375275	296.7299805	0.078118324	1812.596436	0.026248932	1812.002075	-0.809296608	1811.504883	-0.193637848
5/1/11 19:59	1649.584351	-9.895542145	1801.505371	97.97374725	283.9900208	-0.215996742	1812.302246	0.010650635	1811.993774	-0.803009987	1811.503906	-0.194580078
5/1/11 20:09	1659.59436	-9.86158371	1801.539307	98.48125458	295.2250061	0.075178146	1812.593506	0.015872955	1811.991699	-0.797661781	1811.509277	-0.189361572
5/1/11 20:19	1669.585815	-9.820411682	1801.392944	100.9575043	298.7250061	0.080153465	1812.598389	0.013999939	1811.982422	-0.799902916	1811.514282	-0.191234589
5/1/11 20:29	1679.580811	-9.938976288	1801.490723	98.18374634	316.0849915	0.076986313	1812.595215	0.018047333	1811.994019	-0.810395241	1811.503784	-0.201843262
5/1/11 20:39	1689.576782	-10.09871483	1801.121826	99.71499634	307.4750061	0.075472832	1812.579102	0.009777069	1811.99292	-0.811715126	1811.502441	-0.210102081
5/1/11 20:49	1699.577759	-9.991575241	1801.409302	98.39374542	310.2400208	0.067680359	1812.585938	0.008602142	1811.984375	-0.819783211	1811.494385	-0.211277008
5/1/11 20:59	1709.586304	-9.943187714	1801.457642	97.81624603	285.1799927	0.071712494	1812.589966	-0.008045197	1811.967773	-0.807287216	1811.506958	-0.227920532
5/1/11 21:09	1719.581299	-10.06791306	1801.331909	100.5462494	295.5050049	-0.23796463	1812.280273	-0.003761292	1811.972046	-0.817713737	1811.49646	-0.238296509
5/1/11 21:19	1729.581055	-10.00615501	1801.394775	99.19874573	314.3349915	0.052603722	1812.570923	-0.005870819	1811.969971	-0.82002449	1811.486816	-0.24773407
5/1/11 21:29	1739.563477	-9.828989029	1801.571899	99.09375	297.6399841	0.049898148	1812.569214	-0.016368866	1811.960449	-0.808252335	1811.506958	-0.236244202
5/1/11 21:39	1749.560181	-9.918704987	1801.482178	96.98500061	303.5899963	0.061390877	1812.57959	-0.004753113	1811.971069	-0.826087952	1811.488159	-0.253948212
5/1/11 21:49	1759.557617	-9.770391464	1801.630493	96.22374725	302.1900024	0.06534481	1812.583618	-0.015247345	1811.960571	-0.814714432	1811.499512	-0.264434814
5/1/11 21:59	1769.557129	-10.14651299	1801.254395	100.4499969	287.4199829	0.057056427	1812.575317	-0.016300201	1811.959473	-0.823046684	1811.491211	-0.265491486
5/1/11 22:09	1779.554077	-9.88895607	1801.511963	98.81375122	292.1450195	0.05506134	1812.573364	-0.025627136	1811.950195	-0.832418442	1811.481812	-0.267478943
5/1/11 22:19	1789.557861	-10.08475876	1801.315063	99.65374756	306.9500122	0.067724228	1812.587036	-0.020404816	1811.956421	-0.81979084	1811.495483	-0.262268066
5/1/11 22:29	1799.557373	-9.970403671	1801.473755	98.13999939	312.0599976	0.053066254	1812.571289	-0.020404816	1811.955444	-0.827134132	1811.487061	-0.262268066
5/1/11 22:39	1809.55481	-9.97867012	1801.422241	99.47000122	304.6400146	0.066440582	1812.584717	-0.307331085	1811.668457	-0.820977211	1811.48584	-0.263320923
5/1/11 22:49	1819.551758	-10.21053886	1801.500488	99.41750336	309.0150146	0.057959557	1812.576172	-0.022392273	1811.953369	-0.829442024	1811.484741	-0.271583557
5/1/11 22:59	1829.546509	-9.764387131	1801.636475	99.56624603	305.8299866	-0.235922813	1812.282349	-0.023571014	1811.952271	-0.823022842	1811.476563	-0.280078888
5/1/11 23:09	1839.539307	-9.910751343	1801.490112	99.46125031	297.1150208	0.062796593	1812.581055	-0.025558472	1811.935547	-0.824863434	1811.48938	-0.267417908
5/1/11 23:19	1849.550415	-9.745903015	1801.655029	98.44625092	304.0100098	0.061969757	1812.5802	-0.026611328	1811.949219	-0.825787544	1811.488403	-0.268474579
5/1/11 23:29	1859.549072	-9.90564537	1801.495239	98.86624908	297.5700073	0.06091404	1812.579224	-0.042327881	1811.933472	-0.819517136	1811.47998	-0.276855469
5/1/11 23:39	1869.531494	-9.978824615	1801.422119	98.33249664	299.144989	0.05997467	1812.578247	-0.043502808	1811.932251	-0.827831268	1811.493652	-0.278026581
5/1/11 23:49	1879.530762	-10.07980728	1801.321045	98.06999969	304.0100098	0.067207336	1812.585449	-0.036529541	1811.939453	-0.820572853	1811.493652	-0.278385162
5/1/11 23:59	1889.539551	-10.01489067	1801.385986	99.41750336	295.9949951	0.067092896	1812.585327	-0.029319763	1811.946533	-0.835307121	1811.478882	-0.278503418
5/2/11 0:09	1899.542114	-9.89437294	1801.571411	98.86624908	315.2099915	0.064984322	1812.583252	-0.038757324	1811.937012	-0.830071449	1811.484131	-0.280612946
5/2/11 0:19	1909.532227	-9.967559814	1801.43335	98.90125275	304.1499939	0.078665733	1812.596924	-0.039810181	1811.936035	-0.831061363	1811.483154	-0.303646088

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW8_WLD	RW8_WLE	RW8_Flow	RW_TotalFlow	MW19A_WLD	MW19A_WLE	MW19C_WLD	MW19C_WLE	MW20A_WLD	MW20A_WLE	MW20C_WLD
5/2/11 0:29	1919.529785	-10.19221115	1801.208618	99.09375	299.6000061	0.070299149	1812.588623	-0.041221619	1811.934448	-0.824790955	1811.48938	-0.290409088
5/2/11 0:39	1929.521362	-9.970718384	1801.430176	98.51625061	297.1499939	0.06807518	1812.586304	-0.051143646	1811.924683	-0.826968193	1811.487183	-0.30764389
5/2/11 0:49	1939.518555	-9.921281815	1801.479614	98.66500092	292.9499817	0.066905022	1812.585205	-0.044506073	1811.931274	-0.820763588	1811.486084	-0.30834198
5/2/11 0:59	1949.516357	-9.965608597	1801.435303	99.76750183	310.3450012	0.072107315	1812.590332	-0.045089722	1811.929688	-0.821818352	1811.491333	-0.301597595
5/2/11 1:09	1959.508789	-10.24796677	1801.152954	98	294.875	0.072107315	1812.590332	-0.038455963	1811.937378	-0.822871208	1811.491333	-0.316944122
5/2/11 1:19	1969.519775	-10.06148529	1801.339355	98.49874878	301.5599976	0.071166992	1812.281738	-0.039390564	1811.936401	-0.831186295	1811.483032	-0.310558319
5/2/11 1:29	1979.518677	-10.00377846	1801.397095	98.10499573	280.9100037	0.078857422	1812.597168	-0.024848938	1811.950928	-0.823661804	1811.490601	-0.310676575
5/2/11 1:39	1989.518921	-10.17688942	1801.38269	100.152504	287.2449951	0.064085007	1812.582397	-0.039390564	1811.936401	-0.823727608	1811.483154	-0.303230286
5/2/11 1:49	1999.516846	-9.917226791	1801.498047	99.33874512	304.1499939	0.071281433	1812.5896	-0.031822205	1811.936646	-0.823795319	1811.490479	-0.310321808
5/2/11 1:59	2009.499146	-9.916173935	1801.483643	98.96250153	312.3399963	0.078168869	1812.596436	-0.024494171	1811.951294	-0.816717148	1811.497437	-0.317646027
5/2/11 2:09	2019.507568	-10.0099411	1801.390991	100.3012543	288.2950134	0.078993797	1812.590088	-0.023200989	1811.952637	-0.823138237	1811.491089	-0.316352844
5/2/11 2:19	2029.502441	-9.951181412	1801.449707	97.86000061	308.0700073	0.080047607	1812.598267	-0.014816284	1811.960938	-0.807415962	1811.506836	-0.315299988
5/2/11 2:29	2039.500854	-9.943971634	1801.456909	98.94499969	300.9299927	0.080391884	1812.598633	-0.029476166	1811.946289	-0.807216644	1811.506958	-0.315299988
5/2/11 2:39	2049.498047	-10.03157997	1801.369263	99.88999939	308.5950012	0.079110146	1812.597412	-0.015869141	1811.959961	-0.808402061	1811.505859	-0.301700592
5/2/11 2:49	2059.484375	-10.18920898	1801.21167	99.84625244	297.0450134	0.094934464	1812.613159	-0.014816284	1811.960938	-0.807282448	1811.506958	-0.315299988
5/2/11 2:59	2069.48291	-10.00889015	1801.391968	98.23625183	288.6100159	0.102132797	1812.613037	-3.81E-05	1811.682617	-0.814674377	1811.506836	-0.315181732
5/2/11 3:09	2079.496338	-9.864629745	1801.536255	98.76124573	301.8399963	0.080621719	1812.598755	-3.81E-05	1811.97583	-0.80708313	1811.50708	-0.315181732
5/2/11 3:19	2089.478027	-9.981088638	1801.4198	98.48125458	297.2900085	0.101306915	1812.619629	-0.008419037	1811.967407	-0.815595627	1811.52063	-0.323558807
5/2/11 3:29	2099.477783	-10.063591	1801.33728	98.79624939	300.019989	0.076289177	1812.594604	-0.004375458	1811.971436	-0.796699524	1811.510132	-0.326843262
5/2/11 3:39	2109.487549	-9.864784241	1801.536133	98.78749847	313.355011	0.080778122	1812.598877	-9.16E-05	1811.975708	-0.799665451	1811.521851	-0.32988739
5/2/11 3:49	2119.486084	-9.896795273	1801.50415	99.42624664	311.7799988	0.084617615	1812.602905	0.018615723	1811.994385	-0.795702934	1811.525879	-0.333171844
5/2/11 3:59	2129.496338	-9.851568222	1801.549316	100.0475006	301.1049805	0.079341888	1812.596558	0.013458252	1811.989258	-0.793651581	1811.520508	-0.338329315
5/2/11 4:09	2139.475342	-10.08238411	1801.318481	101.3512497	301.1400146	0.071995735	1812.59021	0.013458252	1811.989258	-0.793651581	1811.520508	-0.331001282
5/2/11 4:19	2149.474121	-9.781543732	1801.619385	100.6337509	288.2950134	0.077692986	1812.595947	0.018444061	1811.994263	-0.795495033	1811.518677	-0.333347321
5/2/11 4:29	2159.470703	-9.93106842	1801.419312	98.08750153	298.7949829	0.093330383	1812.611572	0.013282776	1811.988037	-0.786101341	1811.5271	-0.331180573
5/2/11 4:39	2169.468018	-10.06811142	1801.332764	100.0824966	296.3800049	0.087188721	1812.612793	0.02073288	1812.003906	-0.786034584	1811.528198	-0.345710754
5/2/11 4:49	2179.46875	-9.917692184	1801.483154	99.26875305	308.980011	0.071247101	1812.596924	0.012348175	1812.002808	-0.779878616	1811.5271	-0.324790955
5/2/11 4:59	2189.466309	-10.09801674	1801.302856	99.54000092	299.6000061	0.08473587	1812.611328	0.012470245	1812.010254	-0.779945374	1811.534302	-0.339324951
5/2/11 5:09	2199.45874	-9.861042023	1801.539795	99.59249878	301.8399963	0.091932297	1812.610229	0.026073456	1812.001831	-0.781064987	1811.533203	-0.333049774
5/2/11 5:19	2209.455322	-10.0733757	1801.327515	100.003746	304.2900085	0.088880539	1812.6073	0.044780731	1812.02063	-0.791510582	1811.522705	-0.343662262
5/2/11 5:29	2219.459473	-9.901319504	1801.499512	99.40875244	301.2450256	0.094905853	1812.613159	0.036514282	1812.012329	-0.785355568	1811.521484	-0.359249115
5/2/11 5:39	2229.449707	-10.13213539	1801.268799	99.33874512	310.1700134	0.087940216	1812.606201	0.021850586	1811.997681	-0.78515625	1811.536377	-0.344596863
5/2/11 5:49	2239.445801	-9.915746689	1801.333618	99.56624603	312.6199951	-0.205346107	1812.312866	0.014640808	1811.990479	-0.770637512	1811.543579	-0.344478607
5/2/11 5:59	2249.452881	-9.950759888	1801.450073	99.37375641	308.2099915	0.118082047	1812.636353	0.023025513	1811.998779	-0.769582748	1811.544678	-0.343425751
5/2/11 6:09	2259.451416	-10.03115273	1801.369751	98.0174942	301.0350037	0.10259819	1812.606201	0.029304504	1812.005127	-0.777830124	1811.536377	-0.337154388
5/2/11 6:19	2269.447021	-10.05895424	1801.341919	98.63000488	294.1049805	0.11108017	1812.629395	0.044902802	1812.020752	-0.76938343	1811.5448	-0.343544006
5/2/11 6:29	2279.442139	-9.973449707	1801.42749	101.3337555	279.230011	0.110139847	1812.621094	0.036514282	1812.012329	-0.777697563	1811.536499	-0.344596863
5/2/11 6:39	2289.440186	-9.738580704	1801.662354	99.21624756	293.019989	0.106977463	1812.625244	0.018688202	1812.016479	-0.773532867	1811.540649	-0.362415314
5/2/11 6:49	2299.436523	-10.02920341	1801.371704	99.77624512	293.6849976	0.111867905	1812.630127	0.0311203	1812.006958	-0.761177063	1811.552979	-0.349990845
5/2/11 6:59	2309.432129	-10.17556953	1801.40564	100.6687546	291.1999817	0.10941124	1812.627808	0.043434143	1812.011963	-0.770812035	1811.543457	-0.345016479
5/2/11 7:09	2319.422119	-10.06437111	1801.336548	98.82249451	297.7099915	0.105422974	1812.623657	0.04535675	1812.021118	-0.752902985	1811.561279	-0.343097687
5/2/11 7:19	2329.419678	-9.815080643	1801.435425	98.63874817	293.4750061	0.094909668	1812.613159	0.0548172	1812.022217	-0.762339592	1811.550781	-0.340969086
5/2/11 7:29	2339.431396	-9.936803818	1801.464111	99.73249817	307.789978	0.103239059	1812.636108	0.045886993	1812.021729	-0.75507164	1811.559082	-0.357223511
5/2/11 7:39	2349.41333	-9.932748795	1801.46814	99.08500671	302.8900146	0.113929749	1812.632202	0.065425873	1812.04126	-0.758700371	1811.555542	-0.345024109
5/2/11 7:49	2359.411865	-9.8256073	1801.575317	100.8262482	288.9250183	0.112531662	1812.637085	0.057044983	1812.031738	-0.737957954	1811.575195	-0.346076965
5/2/11 7:59	2369.42627	-10.12449646	1801.283569	99.56624603	278.144989	0.117156982	1812.635376	0.053993225	1812.015137	-0.756110191	1811.558105	-0.349124908
5/2/11 8:09	2379.420898	-10.10495949	1801.404053	99.61000061	296.1699829	0.113761902	1812.624756	0.05247879	1812.013672	-0.751026154	1811.563232	-0.350639343
5/2/11 8:19	2389.417236	-9.733043671	1801.667847	101.097496	311.5700073	0.110826492	1812.62915	0.042816162	1812.018677	-0.754058838	1811.560181	-0.345649719

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW8_WLD	RW8_WLE	RW8_Flow	RW_TotalFlow	MW19A_WLD	MW19A_WLE	MW19C_WLD	MW19C_WLE	MW20A_WLD	MW20A_WLE	MW20C_WLD
5/2/11 8:29	2399.406738	-9.979341507	1801.421509	99.49625397	315.2099915	0.145942688	1812.664307	0.03962326	1812.015381	-0.748052597	1811.566162	-0.341514587
5/2/11 8:39	2409.401611	-9.883617401	1801.517212	101.6399994	304.2550049	0.118238449	1812.636475	0.041442871	1812.017212	-0.753591537	1811.560669	-0.347026825
5/2/11 8:49	2419.400879	-9.893997192	1801.506836	98.37625122	291.3400269	0.128353119	1812.645508	0.060386658	1812.035156	-0.742883682	1811.562988	-0.357398987
5/2/11 8:59	2429.402588	-9.888883591	1801.511963	99.81124878	294.4199829	0.127620697	1812.653198	0.050941467	1812.026733	-0.744197845	1811.577393	-0.352184296
5/2/11 9:09	2439.40332	-10.09911346	1801.301758	98.63000488	309.5400085	0.126794815	1812.64502	0.056743622	1812.032471	-0.745120049	1811.569092	-0.346382141
5/2/11 9:19	2449.401367	-10.15787125	1801.243042	98.83999634	300.7900085	0.1258564	1812.644165	0.048595428	1812.024414	-0.738781929	1811.575439	-0.347198486
5/2/11 9:29	2459.397217	-9.857034683	1801.28418	99.32125092	296.9749756	0.138748169	1812.649658	0.031471252	1812.007324	-0.755345345	1811.558838	-0.335014343
5/2/11 9:39	2469.395752	-9.852981567	1801.547852	99.17250061	292.5650024	0.134778976	1812.6604	0.058815002	1812.012695	-0.744324684	1811.569824	-0.351646423
5/2/11 9:49	2479.39209	-9.977703094	1801.452026	99.79374695	295.0149841	0.147443771	1812.658325	0.035308838	1812.011108	-0.746366501	1811.567871	-0.345832825
5/2/11 9:59	2489.388672	-10.07973671	1801.321167	98.98000336	289.6950073	0.153928757	1812.672119	0.033538818	1812.024048	-0.74728775	1811.566895	-0.340274811
5/2/11 10:09	2499.385254	-9.812858582	1801.588013	100.9312515	280.2799988	0.161161423	1812.664795	0.041938782	1812.010376	-0.740011215	1811.574219	-0.339202881
5/2/11 10:19	2509.378174	-9.884986877	1801.515869	99.92500305	317.625	0.154159546	1812.687134	0.056480408	1812.033325	-0.739811897	1811.575439	-0.331996918
5/2/11 10:29	2519.37793	-10.08184433	1801.319092	99.47000122	281.2250061	0.157329559	1812.675537	0.053539276	1812.029297	-0.743118286	1811.571045	-0.334941864
5/2/11 10:39	2529.375244	-9.888149261	1801.512695	99.69750214	305.4450073	0.165306091	1812.683594	0.05141449	1812.034546	-0.735852242	1811.578369	-0.337059021
5/2/11 10:49	2539.369141	-9.975757599	1801.425171	99.08500671	289.5549927	0.163103104	1812.681396	0.035575867	1812.011353	-0.737571716	1811.57666	-0.345561981
5/2/11 10:59	2549.376465	-10.01798058	1801.382935	100.625	299.144989	0.164274216	1812.689819	0.052124023	1812.035278	-0.743775368	1811.570435	-0.336353302
5/2/11 11:09	2559.382324	-9.881988525	1801.461182	99.67124939	290.4649963	0.171333313	1812.690674	0.051425934	1812.020996	-0.73704052	1811.578247	-0.337051392
5/2/11 11:19	2569.375244	-9.853136063	1801.547729	100.0824966	287.4550171	0.178794861	1812.697021	0.044216156	1812.019897	-0.72963047	1811.584595	-0.336933136
5/2/11 11:29	2579.378662	-9.737730026	1801.517822	100.6162491	289.4150085	0.18516922	1812.703369	0.050849915	1812.026611	-0.730617523	1811.583618	-0.337627411
5/2/11 11:39	2589.356445	-9.832550049	1801.568359	99.26000214	304.0450134	0.191251755	1812.709473	0.063369751	1812.039185	-0.724021912	1811.59021	-0.332439423
5/2/11 11:49	2599.36792	-9.982967377	1801.591064	99.20750427	312.0599976	0.185991287	1812.696899	0.058757782	1812.035645	-0.722370148	1811.592896	-0.34437561
5/2/11 11:59	2609.36499	-10.14886856	1801.381836	100.1612473	295.3649902	0.178565979	1812.696777	0.051544189	1812.027344	-0.729763985	1811.584473	-0.336933136
5/2/11 12:09	2619.362305	-9.837656021	1801.345825	98.17500305	304.710022	0.185302734	1812.703613	0.058757782	1812.034302	-0.722768784	1811.591431	-0.329727173
5/2/11 12:19	2629.360352	-9.925264359	1801.475586	99.3125	295.75	0.178220749	1812.696533	0.051071167	1812.028076	-0.729962349	1811.585327	-0.337409973
5/2/11 12:29	2639.361328	-10.04683304	1801.692017	99.04125214	311.7799988	0.17868042	1812.696899	0.058757782	1812.034546	-0.729697227	1811.584473	-0.337051392
5/2/11 12:39	2649.344482	-9.878829956	1801.47876	99.75	288.8200073	0.196847916	1812.700439	0.069255829	1812.045044	-0.711678505	1811.602539	-0.326560974
5/2/11 12:49	2659.339355	-10.03030014	1801.370605	98.83125305	317.0650024	0.196733475	1812.716064	0.062995911	1812.047119	-0.719071388	1811.596191	-0.325489044
5/2/11 12:59	2669.335938	-10.11685753	1801.529297	100.659996	271.8099976	0.189271927	1812.70752	0.070083618	1812.045898	-0.711812019	1811.602417	-0.32572937
5/2/11 13:09	2679.333984	-10.03540421	1801.365479	101.9550018	299.4250183	0.206615448	1812.724854	0.087333679	1812.054688	-0.702026367	1811.611084	-0.308494568
5/2/11 13:19	2689.345459	-9.933374405	1801.467529	100.7037506	305.3399963	0.200126648	1812.718384	0.081291199	1812.057129	-0.708449364	1811.605713	-0.307197571
5/2/11 13:29	2699.345703	-10.04772758	1801.510742	99.55750275	281.1199951	0.207437515	1812.725708	0.089096069	1812.065918	-0.701106071	1811.614136	-0.314048767
5/2/11 13:39	2709.337891	-10.13939285	1801.261475	98.21875	305.4100037	0.203407288	1812.72168	0.097808838	1812.073608	-0.697873116	1811.616333	-0.305339813
5/2/11 13:49	2719.338135	-9.935319901	1801.464478	98.99749756	312.1300049	0.204463959	1812.723755	0.093082428	1812.069946	-0.696819305	1811.618408	-0.295417786
5/2/11 13:59	2729.335693	-9.905418396	1801.495483	100.2487488	290.5	0.206802368	1812.725098	0.09495163	1812.070801	-0.69457531	1811.619629	-0.293540955
5/2/11 14:09	2739.329102	-10.13413048	1801.266724	100.8087463	297.9549866	0.209140778	1812.727417	0.098133087	1812.073975	-0.692333221	1811.621826	-0.290363312
5/2/11 14:19	2749.330811	-9.730201721	1801.671753	99.10250092	305.7600098	0.202964783	1812.720215	0.10723114	1812.082153	-0.6912117	1811.621948	-0.288604736
5/2/11 14:29	2759.324219	-10.0609436	1801.339966	100.3362503	301.3150024	0.202735901	1812.720947	0.092453003	1812.068237	-0.684019089	1811.630127	-0.288722992
5/2/11 14:39	2769.327148	-10.03614426	1801.4729	100.2574997	297.6750183	0.213130951	1812.731445	0.093238831	1812.069092	-0.680919647	1811.633301	-0.28792572
5/2/11 14:49	2779.323975	-9.976337433	1801.424561	101.1937485	297.0450134	0.215471268	1812.733765	0.105056763	1812.080811	-0.686003685	1811.628174	-0.268795013
5/2/11 14:59	2789.320557	-9.867092133	1801.533813	99.29499817	296.9049988	0.201868057	1812.720093	0.11403656	1812.089844	-0.677622795	1811.636597	-0.281795502
5/2/11 15:09	2799.305176	-9.958753586	1801.362793	99.89875031	297.2200012	0.225946426	1812.743164	0.101009369	1812.075928	-0.675514221	1811.637695	-0.280162811
5/2/11 15:19	2809.324219	-9.871143341	1801.493652	99.77624512	302.0849915	0.217027664	1812.736328	0.101829529	1812.076538	-0.675387383	1811.637817	-0.279342651
5/2/11 15:29	2819.321045	-9.875196457	1801.353638	101.5699997	299.9850159	0.216335297	1812.733521	0.112308502	1812.087036	-0.677697182	1811.635498	-0.268863678
5/2/11 15:39	2829.304688	-9.880311966	1801.232056	100.40625	299.1800232	0.209386826	1812.727661	0.114192963	1812.089966	-0.677042007	1811.637207	-0.266979218
5/2/11 15:49	2839.297363	-10.14402771	1801.393921	101.4037476	298.7250061	0.213586807	1812.731812	0.117954254	1812.09375	-0.673277855	1811.640869	-0.263221741
5/2/11 15:59	2849.302002	-9.977077484	1801.372314	100.7387466	276.2550049	0.2062397	1812.724487	0.125049591	1812.100708	-0.680621147	1811.633545	-0.256134033
5/2/11 16:09	2859.29541	-10.03583527	1801.328979	99.79374695	298.1299744	0.213127136	1812.723999	0.117717743	1812.093506	-0.680887222	1811.633301	-0.263462067
5/2/11 16:19	2869.293457	-9.927640915	1801.473267	100.8699951	287.9450073	0.205091476	1812.723389	0.110031128	1812.085815	-0.681284904	1811.632935	-0.278465271

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW8_WLD	RW8_WLE	RW8_Flow	RW_TotalFlow	MW19A_WLD	MW19A_WLE	MW19C_WLD	MW19C_WLE	MW20A_WLD	MW20A_WLE	MW20C_WLD
5/2/11 16:29	2879.296631	-10.03162384	1801.369263	101.8237534	289.0650024	0.20873642	1812.727051	0.106681824	1812.081421	-0.677398682	1811.635742	-0.267158508
5/2/11 16:30	2879.983643	-9.887365341	1801.51355	98.98000336	278.8099976	0.20873642	1812.726929	0.114009857	1812.089844	-0.684724808	1811.629395	-0.274482727
5/2/11 16:30	2880.150391	-5.698753357	1805.702148	32.64624786	0.560000002	0.213973999	1812.732178	0.119232178	1812.095093	-0.672164917	1811.64209	-0.269268036
5/2/11 16:30	2880.317627	-3.599790573	1807.801025	8.697500229	0.560000002	0.213973999	1812.732178	0.11190033	1812.087646	-0.672164917	1811.627319	-0.276592255
5/2/11 16:30	2880.48584	-2.669315338	1808.731567	0.647500038	0.560000002	0.215145111	1812.7323	0.11190033	1812.087646	-0.679441452	1811.634766	-0.276592255
5/2/11 16:30	2880.652588	-2.186052322	1809.214844	0.035	0.560000002	0.20674324	1812.724976	0.11190033	1812.087646	-0.679441452	1811.627441	-0.276592255
5/2/11 16:31	2880.820313	-1.948026657	1809.452881	-0.00875	0.595000029	0.214090347	1812.7323	0.104690552	1812.080444	-0.679441452	1811.634766	-0.276473999
5/2/11 16:31	2880.987305	-1.810979843	1809.589844	0	0.595000029	0.214090347	1812.7323	0.119350433	1812.095215	-0.686767578	1811.627441	-0.26914978
5/2/11 16:31	2881.154541	-1.723371506	1809.67749	0	0.595000029	0.214090347	1812.739624	0.127857208	1812.095215	-0.671043396	1811.64209	-0.275299072
5/2/11 16:31	2881.322754	-1.652294159	1809.748535	0	0.560000002	0.214090347	1812.733398	0.126800537	1812.103638	-0.679441452	1811.643188	-0.283679962
5/2/11 16:31	2881.489746	-1.601802826	1809.799072	0	0.595000029	0.228748322	1812.733398	0.097362518	1812.073242	-0.679441452	1811.634766	-0.276473999
5/2/11 16:31	2881.656982	-1.558526993	1809.842407	-0.00875	0.560000002	0.236059189	1812.754272	0.1120224	1812.087891	-0.686767578	1811.634766	-0.276473999
5/2/11 16:32	2881.825195	-1.515245438	1809.88562	0	0.595000029	0.215145111	1812.733398	0.1120224	1812.088867	-0.679441452	1811.635864	-0.283798218
5/2/11 16:32	2881.992432	-1.478128433	1809.922729	-0.00875	0.595000029	0.237228394	1812.755493	0.127857208	1812.096313	-0.663651466	1811.650513	-0.275299072
5/2/11 16:32	2882.159912	-1.449279785	1809.95166	0	0.560000002	0.229917526	1812.748169	0.135185242	1812.109985	-0.663651466	1811.649536	-0.282623291
5/2/11 16:32	2882.326904	-1.413215637	1809.987671	0	0.560000002	0.24446106	1812.754272	0.135185242	1812.11731	-0.649048805	1811.664063	-0.267974854
5/2/11 16:32	2882.494141	-1.385417938	1810.015503	-0.00875	0.560000002	0.243406296	1812.762695	0.112140656	1812.088989	-0.650103569	1811.665161	-0.276355743
5/2/11 16:32	2882.661865	-1.355516434	1810.04541	0	0.560000002	0.237228394	1812.761719	0.135185242	1812.095215	-0.648982048	1811.664185	-0.282623291
5/2/11 16:33	2882.829346	-1.326658249	1810.074219	-0.00875	0.595000029	0.2445755	1812.762817	0.14251709	1812.118286	-0.648982048	1811.665283	-0.275299072
5/2/11 16:33	2882.996582	-1.297809601	1810.103027	0	0.560000002	0.2445755	1812.770142	0.135185242	1812.110962	-0.641655922	1811.687256	-0.267974854
5/2/11 16:33	2883.163818	-1.276166916	1810.124756	0	0.595000029	0.252000809	1812.739868	0.127975464	1812.118408	-0.641588211	1811.672607	-0.28250885
5/2/11 16:33	2883.331543	-1.255577087	1810.145264	0	0.560000002	0.243635178	1812.762939	0.134250641	1812.111084	-0.635300636	1811.69458	-0.276241302
5/2/11 16:33	2883.499268	-1.225675583	1810.175171	-0.00875	0.560000002	0.244804382	1812.77771	0.142635345	1812.10376	-0.626853943	1811.694702	-0.275184631
5/2/11 16:33	2883.666992	-1.20403862	1810.196777	0	0.560000002	0.259428024	1812.77771	0.135303497	1812.111084	-0.612184525	1811.702026	-0.28250885
5/2/11 16:34	2883.834717	-1.182405472	1810.218506	0	0.595000029	0.252231598	1812.770508	0.135303497	1812.111084	-0.612118721	1811.702148	-0.28250885
5/2/11 16:34	2884.001953	-1.167978287	1810.23291	-0.00875	0.560000002	0.259542465	1812.777832	0.164627075	1812.140381	-0.604790688	1811.709473	-0.275184631
5/2/11 16:34	2884.168701	-1.146335602	1810.254517	-0.00875	0.560000002	0.252231598	1812.770508	0.135303497	1812.111084	-0.604790688	1811.709473	-0.28250885
5/2/11 16:34	2884.336182	-1.124696732	1810.276123	-0.00875	0.560000002	0.259542465	1812.777832	0.142635345	1812.118408	-0.590122223	1811.724121	-0.275184631
5/2/11 16:34	2884.503662	-1.110271454	1810.290649	0	0.560000002	0.259656906	1812.777954	0.150085449	1812.125854	-0.597398758	1811.716797	-0.282390594
5/2/11 16:34	2884.671631	-1.095848083	1810.305054	-0.00875	0.560000002	0.252346039	1812.77063	0.157413483	1812.133179	-0.590055466	1811.724121	-0.282390594
5/2/11 16:35	2884.839844	-1.074205399	1810.32666	0	0.560000002	0.259773254	1812.778076	0.149967194	1812.125732	-0.575321198	1811.731567	-0.275184631
5/2/11 16:35	2884.990479	-1.059780121	1810.341064	0	0.560000002	0.267004013	1812.7854	0.150085449	1812.125854	-0.575321198	1811.738892	-0.275066376
5/2/11 16:35	2885.157959	-1.04535675	1810.355469	-0.00875	0.560000002	0.259773254	1812.778076	0.150085449	1812.125854	-0.567995071	1811.746216	-0.275066376
5/2/11 16:35	2885.326172	-1.030929565	1810.369995	-0.00875	0.560000002	0.245149612	1812.763428	0.164745331	1812.140503	-0.567995071	1811.746216	-0.282390594
5/2/11 16:35	2885.493652	-1.016498566	1810.384399	-0.00875	0.595000029	0.267120361	1812.7854	0.150085449	1812.125854	-0.560668945	1811.75354	-0.275066376
5/2/11 16:35	2885.661133	-1.002077103	1810.398804	-0.00875	0.560000002	0.281778336	1812.800049	0.142753601	1812.11853	-0.538656235	1811.775513	-0.282390594
5/2/11 16:36	2885.829102	-0.980443954	1810.42041	-0.00875	0.560000002	0.267234802	1812.785522	0.157531738	1812.133301	-0.538589478	1811.775635	-0.27494812
5/2/11 16:36	2885.997314	-0.973228455	1810.427612	-0.00875	0.560000002	0.27454567	1812.785522	0.164863586	1812.133301	-0.538589478	1811.775635	-0.282272339
5/2/11 16:36	2886.164795	-0.95158577	1810.449341	-0.00875	0.560000002	0.273490906	1812.778198	0.150203705	1812.125977	-0.531263351	1811.782959	-0.27494812
5/2/11 16:36	2886.332275	-0.944374084	1810.456543	-0.00875	0.595000029	0.274431229	1812.792725	0.157531738	1812.133301	-0.524003983	1811.790161	-0.282272339
5/2/11 16:36	2886.5	-0.929952621	1810.470947	0	0.595000029	0.267120361	1812.7854	0.157531738	1812.133301	-0.524003983	1811.790161	-0.282272339
5/2/11 16:36	2886.666992	-0.915521622	1810.485352	-0.00875	0.560000002	0.267120361	1812.7854	0.157413483	1812.140503	-0.509335518	1811.804932	-0.275066376
5/2/11 16:37	2886.834473	-0.901094437	1810.499756	0	0.595000029	0.25246048	1812.770752	0.150203705	1812.125977	-0.502009392	1811.812256	-0.282272339
5/2/11 16:37	2887.001465	-0.893886566	1810.506958	-0.00875	0.560000002	0.267120361	1812.7854	0.157531738	1812.140625	-0.502009392	1811.812256	-0.27494812
5/2/11 16:37	2887.168457	-0.879461288	1810.521484	0	0.560000002	0.267234802	1812.785522	0.164863586	1812.140625	-0.494599342	1811.81958	-0.27494812
5/2/11 16:37	2887.336426	-0.865028381	1810.535889	0	0.560000002	0.275712967	1812.792969	0.164863586	1812.140625	-0.487207413	1811.827026	-0.27494812
5/2/11 16:37	2887.503662	-0.850603104	1810.550293	-0.00875	0.560000002	0.283060074	1812.80127	0.17219162	1812.149048	-0.487207413	1811.828003	-0.27494812
5/2/11 16:37	2887.670654	-0.843395233	1810.557495	-0.00875	0.560000002	0.267463684	1812.786743	0.17231369	1812.14917	-0.465146065	1811.850098	-0.282154083

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW8_WLD	RW8_WLE	RW8_Flow	RW_TotalFlow	MW19A_WLD	MW19A_WLE	MW19C_WLD	MW19C_WLE	MW20A_WLD	MW20A_WLE	MW20C_WLD
5/2/11 16:38	2887.838623	-0.828968048	1810.571899	-0.00875	0.560000002	0.274776459	1812.793091	0.164863586	1812.140625	-0.472471237	1811.841797	-0.27494812
5/2/11 16:38	2888.005615	-0.814537048	1810.586304	0	0.560000002	0.267578125	1812.786865	0.179523468	1812.140747	-0.47240448	1811.856445	-0.27494812
5/2/11 16:38	2888.172607	-0.807331085	1810.593506	0	0.595000029	0.274776459	1812.793091	0.179641724	1812.155396	-0.457802773	1811.856445	-0.282154083
5/2/11 16:38	2888.340088	-0.800115585	1810.60083	-0.00875	0.560000002	0.2748909	1812.793213	0.179759979	1812.155518	-0.435739517	1811.878418	-0.282035828
5/2/11 16:38	2888.507813	-0.7856884	1810.615234	-0.00875	0.560000002	0.267578125	1812.785889	0.17231369	1812.148071	-0.443083763	1811.878418	-0.282154083
5/2/11 16:38	2888.675293	-0.771266937	1810.629639	-0.00875	0.560000002	0.267578125	1812.785889	0.179641724	1812.155396	-0.428414345	1811.885742	-0.27482605
5/2/11 16:39	2888.843018	-0.764051437	1810.636841	0	0.560000002	0.2748909	1812.793213	0.172431946	1812.148193	-0.421071053	1811.893188	-0.282035828
5/2/11 16:39	2889.01123	-0.749624252	1810.651245	-0.00875	0.560000002	0.275005341	1812.793213	0.179759979	1812.155518	-0.421005249	1811.893188	-0.282035828
5/2/11 16:39	2889.162354	-0.742412567	1810.658447	0	0.560000002	0.275005341	1812.792236	0.157772064	1812.132446	-0.406353951	1811.906738	-0.282035828
5/2/11 16:39	2889.32959	-0.735197067	1810.665649	0	0.560000002	0.28235054	1812.786011	0.179759979	1812.140869	-0.406353951	1811.907837	-0.267383575
5/2/11 16:39	2889.49707	-0.729034424	1810.671875	-0.00875	0.560000002	0.273950577	1812.793213	0.178585052	1812.155396	-0.400065422	1811.915161	-0.275882721
5/2/11 16:39	2889.664307	-0.713560104	1810.687256	-0.00875	0.560000002	0.267692566	1812.786011	0.194419861	1812.155518	-0.391683578	1811.922485	-0.274707794
5/2/11 16:40	2889.832275	-0.706348419	1810.69458	0	0.560000002	0.275119781	1812.793335	0.186973572	1812.162842	-0.391617775	1811.922607	-0.289478302
5/2/11 16:41	2891.508057	-0.620843887	1810.780029	-0.00875	0.595000029	0.289777756	1812.808105	0.185916901	1812.162598	-0.334013939	1811.981201	-0.275882721
5/2/11 16:43	2893.16748	-0.541500092	1810.859375	-0.00875	0.560000002	0.281181335	1812.800537	0.193126678	1812.168945	-0.268159866	1812.046021	-0.28332901
5/2/11 16:45	2894.841064	-0.475532532	1810.925293	0	0.560000002	0.282581329	1812.800781	0.201515198	1812.176147	-0.230240822	1812.082886	-0.282272339
5/2/11 16:46	2896.497559	-0.410615921	1810.990234	-0.00875	0.595000029	0.289892197	1812.808105	0.201393127	1812.177368	-0.171582222	1812.142578	-0.275066376
5/2/11 16:48	2898.169922	-0.352907181	1811.047974	-0.00875	0.560000002	0.282466888	1812.793335	0.201393127	1812.18457	-0.127641678	1812.179199	-0.275066376
5/2/11 16:50	2899.843506	-0.30242157	1811.098511	-0.00875	0.560000002	0.275005341	1812.793213	0.216175079	1812.192017	-0.098385811	1812.21582	-0.289596558
5/2/11 16:51	2901.503418	-0.259145737	1811.141724	-0.00875	0.560000002	0.289663315	1812.807861	0.215934753	1812.191772	-0.069047928	1812.259766	-0.275184631
5/2/11 16:53	2903.176758	-0.214817047	1811.186035	-0.00875	0.560000002	0.282236099	1812.800537	0.209777832	1812.18457	-0.031414032	1812.281738	-0.281337738
5/2/11 16:55	2904.835693	-0.178752899	1811.222168	0	0.560000002	0.289318085	1812.807617	0.217105865	1812.199219	-0.016877174	1812.310913	-0.288665771
5/2/11 16:56	2906.510254	-0.1437397	1811.25708	0	0.560000002	0.289318085	1812.807617	0.216053009	1812.191772	0.026076317	1812.34021	-0.289714813
5/2/11 16:58	2908.16748	-0.114881516	1811.286011	-0.00875	0.560000002	0.281892776	1812.800171	0.215934753	1812.191772	0.033336639	1812.354858	-0.289836884
5/2/11 17:00	2909.848389	-0.084980011	1811.307617	0	0.560000002	0.283060074	1812.800293	0.216053009	1812.191895	0.06272316	1812.376953	-0.275066376
5/2/11 17:01	2911.50415	-0.064390182	1811.336426	0	0.560000002	0.289318085	1812.807617	0.223266602	1812.191772	0.077392578	1812.391602	-0.275184631
5/2/11 17:03	2913.175781	-0.042757034	1811.365356	-0.00875	0.560000002	0.281778336	1812.800171	0.223148346	1812.198975	0.099254608	1812.413574	-0.289951324
5/2/11 17:05	2914.830811	-0.021118164	1811.379761	-0.00875	0.595000029	0.288858414	1812.807129	0.222789764	1812.199707	0.10646534	1812.421753	-0.290306091
5/2/11 17:06	2916.507813	0.00157547	1811.402466	0	0.560000002	0.289796829	1812.808105	0.223842621	1812.199707	0.129446983	1812.443604	-0.289253235
5/2/11 17:08	2918.165527	0.015996933	1811.41687	-0.00875	0.560000002	0.282371521	1812.800659	0.223842621	1812.199707	0.12938118	1812.443604	-0.281929016
5/2/11 17:10	2919.839355	0.037639618	1811.431274	-0.00875	0.560000002	0.289567947	1812.807861	0.223842621	1812.199707	0.136639595	1812.465576	-0.281929016
5/2/11 17:11	2921.49707	0.043794632	1811.444702	0	0.560000002	0.289337158	1812.806519	0.230003357	1812.205811	0.150123596	1812.457031	-0.283100128
5/2/11 17:13	2923.171387	0.066488266	1811.467407	-0.00875	0.560000002	0.282142639	1812.800415	0.223842621	1812.198608	0.158569336	1812.479004	-0.281929016
5/2/11 17:15	2924.830078	0.080915451	1811.480713	-0.00875	0.560000002	0.289567947	1812.806763	0.237449646	1812.214355	0.172250748	1812.4729	-0.290306091
5/2/11 17:16	2926.505615	0.087080002	1811.487915	-0.00875	0.560000002	0.281202316	1812.806763	0.22290802	1812.206055	0.172250748	1812.493774	-0.290187836
5/2/11 17:18	2928.177979	0.094285965	1811.495117	0	0.560000002	0.288284302	1812.806519	0.223026276	1812.198853	0.179444313	1812.493652	-0.29006958
5/2/11 17:20	2929.83374	0.101501465	1811.502441	-0.00875	0.560000002	0.28840065	1812.806641	0.223026276	1812.198853	0.179576874	1812.493652	-0.29006958
5/2/11 17:21	2931.507813	0.11592865	1811.516846	-0.00875	0.560000002	0.281316757	1812.799561	0.230594635	1812.206421	0.186986923	1812.501221	-0.275184631
5/2/11 17:23	2933.163086	0.12314415	1811.524048	0	0.560000002	0.288629532	1812.806885	0.223148346	1812.198975	0.194314003	1812.501221	-0.275299072
5/2/11 17:25	2934.838135	0.130350113	1811.53125	0	0.560000002	0.281316757	1812.799561	0.230476379	1812.206299	0.194314003	1812.515869	-0.275299072
5/2/11 17:26	2936.497559	0.137565613	1811.538452	-0.00875	0.560000002	0.281316757	1812.799561	0.223266602	1812.199097	0.208982468	1812.523193	-0.28250885
5/2/11 17:28	2938.172119	0.144777298	1811.545654	-0.00875	0.560000002	0.288515091	1812.806763	0.223148346	1812.19165	0.20891571	1812.523071	-0.282623291
5/2/11 17:30	2939.829346	0.150941849	1811.551758	-0.00875	0.560000002	0.287460327	1812.806763	0.229301453	1812.206177	0.207859993	1812.523071	-0.291126251
5/2/11 17:31	2941.505127	0.159204483	1811.560059	0	0.560000002	0.280973434	1812.799316	0.222789764	1812.198608	0.20878315	1812.530396	-0.282981873
5/2/11 17:33	2943.163086	0.159204483	1811.567261	0	0.560000002	0.280628204	1812.798828	0.222434998	1812.198364	0.22325325	1812.537476	-0.283336639
5/2/11 17:35	2944.84375	0.166419983	1811.567261	-0.00875	0.560000002	0.28805542	1812.806396	0.229763031	1812.205566	0.215975761	1812.530273	-0.283336639
5/2/11 17:36	2946.500977	0.173635483	1811.574463	-0.00875	0.560000002	0.28805542	1812.806274	0.229763031	1812.205566	0.23064518	1812.530151	-0.283336639
5/2/11 17:38	2948.172363	0.172582626	1811.573486	-0.00875	0.560000002	0.287115097	1812.80542	0.22870636	1812.204468	0.229655266	1812.536499	-0.284393311

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW8_WLD	RW8_WLE	RW8_Flow	RW_TotalFlow	MW19A_WLD	MW19A_WLE	MW19C_WLD	MW19C_WLE	MW20A_WLD	MW20A_WLE	MW20C_WLD
5/2/11 17:40	2949.829346	0.179790497	1811.573486	0	0.560000002	0.294576645	1812.812866	0.236038208	1812.211792	0.229722023	1812.543945	-0.284393311
5/2/11 17:41	2951.501221	0.179790497	1811.580688	0	0.560000002	0.287345886	1812.805664	0.236156464	1812.212036	0.22978878	1812.543945	-0.284275055
5/2/11 17:43	2953.163086	0.179790497	1811.587891	-0.00875	0.560000002	0.287460327	1812.791016	0.23651123	1812.21228	0.237181664	1812.55127	-0.283920288
5/2/11 17:45	2954.836182	0.187005997	1811.587891	-0.00875	0.560000002	0.280378342	1812.805908	0.251411438	1812.212524	0.237314224	1812.551514	-0.283679962
5/2/11 17:46	2956.494385	0.187005997	1811.595093	-0.00875	0.560000002	0.287689209	1812.805908	0.236869812	1812.212524	0.244657516	1812.558838	-0.283565521
5/2/11 17:48	2958.168701	0.195268631	1811.596191	0	0.560000002	0.289089203	1812.800049	0.25270462	1812.221191	0.23856926	1812.552734	-0.275066376
5/2/11 17:50	2959.825439	0.195268631	1811.596191	0	0.560000002	0.296550751	1812.814819	0.252586365	1812.228394	0.238503456	1812.552856	-0.267860413
5/2/11 17:51	2961.499512	0.202484131	1811.603394	0	0.560000002	0.303630829	1812.821899	0.245376587	1812.221191	0.238503456	1812.560059	-0.275066376
5/2/11 17:53	2963.174805	0.202484131	1811.60437	0	0.560000002	0.290027618	1812.80835	0.239215851	1812.222412	0.246899605	1812.561157	-0.273895264
5/2/11 17:55	2964.831543	0.202484131	1811.60437	-0.00875	0.560000002	0.281778336	1812.800049	0.253757477	1812.228516	0.246965408	1812.560059	-0.259361267
5/2/11 17:56	2966.50415	0.203536987	1811.611572	-0.00875	0.560000002	-0.010111809	1812.50708	0.246665955	1812.221436	0.254358292	1812.560181	-0.259124756
5/2/11 17:58	2968.158691	0.209692001	1811.610596	-0.00875	0.560000002	0.289318085	1812.807617	0.260154724	1812.235962	0.253371239	1812.560303	-0.260295868
5/2/11 18:00	2969.833008	0.209692001	1811.610596	-0.00875	0.560000002	0.295495987	1812.814819	0.245613098	1812.221436	0.245979309	1812.560181	-0.27482605
5/2/11 18:01	2971.505371	0.209692001	1811.610596	0	0.560000002	0.282007217	1812.799072	0.245613098	1812.220337	0.246045113	1812.559082	-0.27482605
5/2/11 18:03	2973.160889	0.209692001	1811.610596	-0.00875	0.560000002	-0.025823593	1812.492554	0.252822876	1812.228638	0.245979309	1812.567627	-0.267620087
5/2/11 18:05	2974.834961	0.216907501	1811.617798	-0.00875	0.560000002	0.303976059	1812.822388	0.252822876	1812.228638	0.253371239	1812.567627	-0.27494812
5/2/11 18:06	2976.494141	0.216907501	1811.617798	-0.00875	0.560000002	0.296665192	1812.814941	0.26027298	1812.236084	0.246045113	1812.560303	-0.260177612
5/2/11 18:08	2978.166992	0.216907501	1811.617798	0	0.560000002	-0.003623962	1812.514648	0.245613098	1812.221436	0.238768578	1812.574951	-0.27482605
5/2/11 18:10	2979.824951	0.216907501	1811.617798	-0.00875	0.560000002	0.282007217	1812.800293	0.26027298	1812.236084	0.253371239	1812.567627	-0.27482605
5/2/11 18:26	2996.491211	0.231332779	1811.632202	-0.00875	0.560000002	0.282007217	1812.800293	0.23828125	1812.22876	0.253371239	1812.560303	-0.27482605
5/2/11 18:43	3013.151855	0.241708755	1811.642578	-0.00875	0.560000002	0.293172836	1812.811401	0.241329193	1812.217163	0.256936073	1812.556519	-0.27910614
5/2/11 19:00	3029.817139	0.241708755	1811.642578	-0.00875	0.560000002	0.293403625	1812.811646	0.248897552	1812.224731	0.257069588	1812.571289	-0.278869629
5/2/11 19:16	3046.488525	0.243814468	1811.644653	0	0.560000002	0.29540062	1812.498535	0.251243591	1812.241699	0.24444294	1812.558594	-0.276519775
5/2/11 19:33	3063.14917	0.252077103	1811.652954	0	0.560000002	0.282138824	1812.800415	0.237873077	1812.220947	0.253040314	1812.567261	-0.275226593
5/2/11 19:50	3079.807373	0.253129959	1811.646851	-0.00875	0.560000002	0.290769577	1812.809082	0.230648041	1812.206421	0.246884346	1812.561035	-0.282447815
5/2/11 20:06	3096.469727	0.255233765	1811.648926	0	0.560000002	0.278450012	1812.796753	0.225784302	1812.208984	0.234474182	1812.548706	-0.294639587
5/2/11 20:23	3113.129639	0.255233765	1811.656128	-0.00875	0.560000002	0.285531998	1812.803955	0.226020813	1812.201782	0.227064133	1812.548584	-0.309051514
5/2/11 20:40	3129.793701	0.245918274	1811.646851	0	0.524999976	0.268535614	1812.786743	0.20949173	1812.192627	0.224756241	1812.53894	-0.318248749
5/2/11 20:56	3146.45459	0.24997139	1811.650879	0	0.560000002	0.258403778	1812.776611	0.184215546	1812.167358	0.214465141	1812.528687	-0.321537018
5/2/11 21:13	3163.114014	0.24681282	1811.647705	0	0.560000002	0.255350113	1812.77356	0.188022614	1812.163818	0.218689919	1812.532959	-0.339710236
5/2/11 21:30	3179.77417	0.244709015	1811.64563	0	0.560000002	-0.040042877	1812.478271	0.178943634	1812.154785	0.209122658	1812.508667	-0.348789215
5/2/11 21:46	3196.448975	0.244709015	1811.64563	0	0.560000002	0.245588303	1812.763916	0.178943634	1812.154785	0.201712608	1812.515869	-0.356113434
5/2/11 22:03	3213.112305	0.250871658	1811.651733	-0.00875	0.560000002	0.251615524	1812.769897	0.155899048	1812.131714	0.200528145	1812.514771	-0.35716629
5/2/11 22:20	3229.762207	0.242601395	1811.643433	-0.00875	0.560000002	0.250787735	1812.769043	0.16229248	1812.138062	0.199537277	1812.513794	-0.358104706
5/2/11 22:36	3246.440918	0.242601395	1811.643433	-0.00875	0.560000002	0.243476868	1812.761719	0.169502258	1812.145264	0.192277908	1812.50647	-0.350898743
5/2/11 22:53	3263.09668	0.248765945	1811.649658	-0.00875	0.560000002	0.249620438	1812.767822	0.161354065	1812.137207	0.198483467	1812.512695	-0.351711273
5/2/11 23:10	3279.762939	0.241550446	1811.642456	-0.00875	0.560000002	0.264507294	1812.782715	0.168804169	1812.137329	0.198616028	1812.512817	-0.36624527
5/2/11 23:26	3296.420654	0.250871658	1811.651733	0	0.524999976	0.24464798	1812.762939	0.14868927	1812.117188	0.193401337	1812.507568	-0.364372253
5/2/11 23:43	3313.076416	0.251924515	1811.652832	0	0.560000002	0.245817184	1812.76416	0.157428741	1812.133301	0.187193871	1812.501465	-0.355640411
5/3/11 0:00	3329.742676	0.250871658	1811.651733	0	0.524999976	0.253242493	1812.778809	0.148925781	1812.140381	0.193534851	1812.508789	-0.378787994
5/3/11 0:16	3346.402344	0.248765945	1811.649658	0	0.560000002	0.257850647	1812.776123	0.16904068	1812.152222	0.199081421	1812.505859	-0.358680725
5/3/11 0:33	3363.072754	0.250871658	1811.651733	-0.00875	0.524999976	0.266963959	1812.785278	0.17848587	1812.154297	0.208269119	1812.522461	-0.37122345
5/3/11 0:50	3379.732666	0.259130478	1811.660034	0	0.524999976	0.253356934	1812.771606	0.186985016	1812.162842	0.201978683	1812.516235	-0.370052338
5/3/11 1:06	3396.395752	0.258077621	1811.658936	0	0.560000002	0.258789063	1812.7771	0.186290741	1812.161011	0.208402634	1812.528931	-0.356098175
5/3/11 1:23	3413.05835	0.263187408	1811.664063	0	0.560000002	0.264738083	1812.775635	0.191745758	1812.167603	0.213418007	1812.520264	-0.365291595
5/3/11 1:40	3429.727051	0.262132645	1811.670166	0	0.524999976	0.256792068	1812.775024	0.183475494	1812.166626	0.205300331	1812.519531	-0.373558044
5/3/11 1:56	3446.391113	0.273561478	1811.674438	0	0.560000002	0.260076523	1812.77832	0.195030212	1812.1698	0.209588051	1812.522705	-0.376663208
5/3/11 2:13	3463.042725	0.27671814	1811.676514	0	0.524999976	0.263237	1812.788818	0.189807892	1812.158325	0.219022751	1812.533203	-0.367229462

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW8_WLD	RW8_WLE	RW8_Flow	RW_TotalFlow	MW19A_WLD	MW19A_WLE	MW19C_WLD	MW19C_WLE	MW20A_WLD	MW20A_WLE	MW20C_WLD
5/3/11 2:30	3479.713379	0.27671814	1811.677612	0	0.560000002	0.257095337	1812.775391	0.190982819	1812.166748	0.234812737	1812.549072	-0.373378754
5/3/11 2:46	3496.380371	0.283929825	1811.684814	0	0.560000002	0.264408112	1812.782715	0.18365097	1812.16687	0.220144272	1812.534302	-0.373378754
5/3/11 3:03	3513.043945	0.286035538	1811.68689	0	0.560000002	0.273750305	1812.791992	0.20042038	1812.17627	0.229532242	1812.543701	-0.37859726
5/3/11 3:20	3529.691406	0.27882576	1811.679688	-0.00875	0.524999976	0.266288757	1812.783447	0.178432465	1812.153198	0.229464531	1812.535278	-0.371273041
5/3/11 3:36	3546.360107	0.277772903	1811.678711	0	0.560000002	0.111642838	1812.776367	0.184829712	1812.138672	0.206532478	1812.5354	-0.386856079
5/3/11 3:53	3563.018555	0.27882576	1811.679688	-0.00875	0.560000002	0.251895905	1812.770142	0.163890839	1812.139648	0.214929581	1812.521729	-0.385803223
5/3/11 4:10	3579.686279	0.277772903	1811.678711	0	0.560000002	0.265579224	1812.783813	0.162837982	1812.138672	0.213941574	1812.528198	-0.37953186
5/3/11 4:26	3596.3479	0.277772903	1811.678711	0	0.560000002	0.251186371	1812.769409	0.177616119	1812.153442	0.214075089	1812.52832	-0.372085571
5/3/11 4:43	3613.010254	0.277772903	1811.678711	0	0.560000002	0.258497238	1812.776733	0.17016983	1812.146973	0.214075089	1812.529297	-0.372203827
5/3/11 5:00	3629.672119	0.280931473	1811.681763	0	0.560000002	0.254119873	1812.765015	0.173446655	1812.141968	0.20976162	1812.523926	-0.376247406
5/3/11 5:16	3646.336182	0.273715973	1811.674561	0	0.560000002	0.254005432	1812.772217	0.158786774	1812.134644	0.20236969	1812.516602	-0.368919373
5/3/11 5:33	3663.001953	0.274768829	1811.675659	-0.00875	0.560000002	0.254945755	1812.765869	0.167175293	1812.119873	0.203359604	1812.516479	-0.360538483
5/3/11 5:50	3679.670898	0.275819778	1811.676758	-0.00875	0.560000002	0.270622253	1812.78894	0.153686523	1812.144165	0.20441246	1812.518555	-0.381343842
5/3/11 6:06	3696.331787	0.276872635	1811.677734	-0.00875	0.560000002	0.264595032	1812.781738	0.154624939	1812.130371	0.198273659	1812.512451	-0.387737274
5/3/11 6:23	3712.993896	0.276872635	1811.677734	-0.00875	0.560000002	0.256938934	1812.775146	0.139842987	1812.115723	0.212726593	1812.526978	-0.380531311
5/3/11 6:40	3729.658936	0.273715973	1811.674561	-0.00875	0.560000002	0.254119873	1812.772339	0.15145874	1812.127319	0.195109367	1812.509277	-0.383571625
5/3/11 6:56	3746.32373	0.272663116	1811.673584	0	0.560000002	0.245836258	1812.76416	0.135627747	1812.11145	0.194123268	1812.508301	-0.384742737
5/3/11 7:13	3762.977051	0.270557404	1811.671387	0	0.560000002	0.243150711	1812.761475	0.146751404	1812.122559	0.191680908	1812.505859	-0.380958557
5/3/11 7:30	3779.631836	0.26950264	1811.67041	0	0.560000002	0.249324799	1812.767578	0.140583038	1812.116455	0.205209732	1812.519409	-0.372463226
5/3/11 7:46	3796.299805	0.266345978	1811.667236	0	0.560000002	0.260669708	1812.778931	0.153266907	1812.129028	0.209321976	1812.52356	-0.352470398
5/3/11 8:03	3812.957275	0.264240265	1811.665161	-0.00875	0.560000002	0.257986069	1812.776245	0.166412354	1812.142212	0.206880569	1812.521118	-0.346656799
5/3/11 8:20	3829.635986	0.263187408	1811.664063	0	0.560000002	0.255899429	1812.77417	0.18025589	1812.156006	0.212553978	1812.526733	-0.347473145
5/3/11 8:36	3846.294678	0.263187408	1811.664063	0	0.560000002	0.269638062	1812.78894	0.180728912	1812.157593	0.219366074	1812.534668	-0.354320526
5/3/11 8:53	3862.959473	0.269348145	1811.670166	0	0.560000002	0.275583267	1812.793823	0.187358856	1812.163208	0.225434303	1812.539673	-0.340370178
5/3/11 9:10	3879.622559	0.262132645	1811.662964	0	0.560000002	0.268810272	1812.787109	0.187599182	1812.163574	0.225767136	1812.539917	-0.332809448
5/3/11 11:56	4046.251953	0.270557404	1811.672485	0	0.560000002	0.307966232	1812.826172	0.220867157	1812.196655	0.257457733	1812.571655	-0.270252228
5/3/11 14:43	4212.864746	0.274187088	1811.675049	0	0.560000002	0.289060593	1812.814697	0.230117798	1812.220703	0.260192871	1812.574463	-0.231693268
5/3/11 17:30	4379.499023	0.276762009	1811.677612	-0.00875	0.595000029	0.307044983	1812.825317	0.270225525	1812.246094	0.277727127	1812.591919	-0.191589355
5/3/11 20:16	4546.123535	0.266706467	1811.667603	0	0.595000029	0.268054962	1812.786377	0.230876923	1812.206665	0.223729134	1812.537964	-0.216255188
5/3/11 23:03	4712.740234	0.246856689	1811.647705	-0.00875	0.560000002	0.240507126	1812.759766	0.174598694	1812.151489	0.196285248	1812.511597	-0.279842377
5/4/11 1:50	4879.361328	0.24385643	1811.644775	-0.00875	0.560000002	0.244380951	1812.762695	0.135070801	1812.109863	0.178359032	1812.506104	-0.282707214
5/4/11 4:36	5045.989746	0.243272781	1811.644165	-0.00875	0.560000002	0.251739502	1812.77002	0.133701324	1812.109497	0.185269356	1812.499512	-0.284065247
5/4/11 7:23	5212.611328	0.236370087	1811.637207	-0.00875	0.560000002	0.222455978	1812.748047	0.112773895	1812.103271	0.17063427	1812.484863	-0.268341064
5/4/11 10:10	5379.241699	0.221363068	1811.622192	0	0.560000002	0.21871376	1812.736938	0.145324707	1812.121094	0.182747841	1812.504272	-0.184516907
5/4/11 12:56	5545.875	0.210723877	1811.611572	-0.00875	0.560000002	0.230447769	1812.748657	0.179458618	1812.155273	0.186710358	1812.508301	-0.121086121
5/4/11 15:43	5712.501953	0.203395844	1811.604248	-0.00875	0.560000002	0.208789825	1812.734375	0.185813904	1812.168945	0.208564758	1812.522827	-0.04876709
5/4/11 18:30	5879.104492	0.165811539	1811.56665	-0.00875	0.595000029	0.156070709	1812.674316	0.1847229	1812.159424	0.15590477	1812.476318	-0.071857452
5/4/11 21:16	6045.73584	0.137811661	1811.538696	-0.00875	0.560000002	0.136190414	1812.654419	0.121135712	1812.096924	0.099201202	1812.413452	-0.186717987
5/5/11 0:03	6212.348145	0.145292282	1811.546143	-0.00875	0.560000002	0.195549011	1812.713867	0.056419373	1812.039551	0.099998474	1812.414185	-0.258739471
5/5/11 2:50	6378.972168	0.169775009	1811.570679	0	0.560000002	0.243034363	1812.761353	0.066215515	1812.041992	0.125304222	1812.439453	-0.292915344
5/5/11 5:36	6545.602539	0.197729111	1811.598633	-0.00875	0.560000002	0.235048294	1812.752197	0.072189331	1812.047974	0.146504402	1812.460693	-0.308925629
5/5/11 8:23	6712.226074	0.203580856	1811.604492	-0.00875	0.560000002	0.246955872	1812.756836	0.11782074	1812.094727	0.173143387	1812.488403	-0.277980804
5/5/11 11:10	6878.849121	0.208686829	1811.609619	-0.00875	0.560000002	0.273990631	1812.792236	0.162776947	1812.13855	0.215572357	1812.529785	-0.240364075
5/5/11 13:56	7045.460449	0.218473434	1811.626587	-0.00875	0.595000029	0.280706406	1812.800049	0.179832458	1812.155762	0.216775894	1812.531006	-0.201339722
5/5/11 16:43	7212.100098	0.227209091	1811.628052	-0.00875	0.595000029	0.284032822	1812.80957	0.196781158	1812.172607	0.225914955	1812.540039	-0.16973114
5/5/11 19:30	7378.706543	0.227680206	1811.62854	-0.00875	0.560000002	0.26374054	1812.781982	0.204750061	1812.180664	0.219594955	1812.533813	-0.154430389
5/5/11 22:16	7545.33252	0.214305878	1811.615234	-0.00875	0.560000002	0.207195282	1812.725464	0.14030838	1812.116089	0.169930458	1812.484131	-0.218833923
5/6/11 1:03	7711.962891	0.200195313	1811.602173	-0.00875	0.560000002	0.19953537	1812.717773	0.089801788	1812.064575	0.148824692	1812.461914	-0.225345612

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW8_WLD	RW8_WLE	RW8_Flow	RW_TotalFlow	MW19A_WLD	MW19A_WLE	MW19C_WLD	MW19C_WLE	MW20A_WLD	MW20A_WLE	MW20C_WLD
5/6/11 3:50	7878.583496	0.1967659	1811.597656	-0.00875	0.560000002	0.188379288	1812.699341	0.071208954	1812.046997	0.136530876	1812.450684	-0.199951172
5/6/11 6:36	8045.212402	0.184022903	1811.592163	0	0.560000002	0.153295517	1812.671509	0.065032959	1812.040894	0.123268127	1812.422852	-0.184127808
5/6/11 9:23	8211.827148	0.168426514	1811.569336	-0.00875	0.560000002	0.154100418	1812.680786	0.09645462	1812.072266	0.141346931	1812.455566	-0.05745697
5/6/11 12:10	8378.449219	0.142621994	1811.543457	-0.00875	0.560000002	0.13807869	1812.663696	0.108600616	1812.084473	0.152496338	1812.466675	0.020637512
5/6/11 14:56	8545.080078	0.101024628	1811.501953	-0.00875	0.595000029	0.118188858	1812.636475	0.10761261	1812.083374	0.110224724	1812.424438	0.078277588
5/6/11 17:43	8711.694336	0.049480438	1811.443115	-0.00875	0.595000029	0.043729782	1812.562012	0.064483643	1812.040283	0.072459221	1812.386719	0.079124451
5/6/11 20:30	8878.321289	0.01279068	1811.413696	-0.00875	0.595000029	0.014764786	1812.533203	0.028327942	1812.00415	0.021239281	1812.335449	0.01366806
5/6/11 23:16	9044.9375	0.006315231	1811.407227	-0.00875	0.595000029	0.060025215	1812.578247	-0.008090973	1811.967773	0.000395775	1812.314575	-0.000762939
5/7/11 2:03	9211.568359	0.001209259	1811.4021	-0.00875	0.595000029	0.047364235	1812.565674	-0.034118652	1811.94165	-0.004886627	1812.309326	-0.026763916
5/7/11 4:50	9378.192383	-0.000154495	1811.400757	-0.00875	0.595000029	0.053853989	1812.579468	-0.042251587	1811.92627	-0.013183594	1812.301025	-0.056884766
5/7/11 7:36	9544.799805	0.004793167	1811.40564	-0.00875	0.595000029	0.051703453	1812.569946	-0.063594818	1811.904907	-0.008011818	1812.306152	-0.078224182
5/7/11 10:23	9711.43457	0.008377075	1811.409302	-0.00875	0.595000029	0.105802536	1812.624023	-0.01984787	1811.955933	0.046660423	1812.36084	-0.027194977
5/7/11 13:10	9878.050781	0.024015427	1811.424927	-0.00875	0.595000029	0.134180069	1812.652466	0.026309967	1812.002075	0.046578407	1812.36084	-0.010360718
5/7/11 15:56	10044.66895	0.039960861	1811.440796	-0.00875	0.595000029	0.144914627	1812.64856	0.042186737	1812.017944	0.093043327	1812.407227	0.034824371
5/7/11 16:32	10080.00195	0.036962509	1811.437866	-0.00875	0.595000029	0.133789063	1812.654175	0.053504944	1812.030273	0.104194641	1812.419434	0.046134949
5/7/11 16:32	10080.16895	-4.519510269	1807.061646	139.9124908	155.8899994	0.135782242	1812.654053	0.062824249	1812.038574	0.091566086	1812.413086	0.055450439
5/7/11 16:32	10080.32031	-8.291875839	1803.217163	139.9124908	190.2599945	0.143209457	1812.654175	0.055492401	1812.038574	0.091633797	1812.405884	0.048126221
5/7/11 16:32	10080.4873	-9.748889923	1801.493286	138.9237518	186.5500031	0.128551483	1812.646851	0.062942505	1812.038696	0.084307671	1812.39856	0.040920258
5/7/11 16:32	10080.65527	-9.799381256	1801.601563	125.5975037	286.4750061	0.143209457	1812.661499	0.055614471	1812.03125	0.084307671	1812.39856	0.040920258
5/7/11 16:32	10080.83887	-9.828231812	1801.392334	123.2350006	0.595000029	-0.149847031	1812.368286	0.048282623	1812.024048	0.098977089	1812.405762	0.048244476
5/7/11 16:33	10080.99023	-9.849874496	1801.240845	123.3399963	136.2200012	0.128435135	1812.639404	0.055614471	1812.031372	0.076913834	1812.391113	0.048244476
5/7/11 16:33	10081.1582	-10.16002464	1801.493286	121.8087463	0.595000029	0.128435135	1812.646729	0.040950775	1812.016724	0.076913834	1812.398438	0.048244476
5/7/11 16:33	10081.3252	-9.95085144	1801.47168	121.2487564	0.595000029	0.121009827	1812.639282	0.055614471	1812.031372	0.069504738	1812.383667	0.055568695
5/7/11 16:33	10081.49219	-10.07347298	1801.197632	122.7099991	0.595000029	0.113584518	1812.631836	0.055614471	1812.031372	0.084108353	1812.390991	0.048244476
5/7/11 16:33	10081.65918	-9.669549942	1801.731323	117.46875	0.595000029	0.11346817	1812.631714	0.070152283	1812.045898	0.076714516	1812.390869	0.048126221
5/7/11 16:34	10081.82715	-10.00134277	1801.139893	119.8487473	0.595000029	0.113353729	1812.631592	0.055492401	1812.03125	0.061980247	1812.376221	0.048126221
5/7/11 16:34	10081.99414	-10.05904579	1801.341797	119.3587494	41.37000275	0.113353729	1812.631592	0.070152283	1812.045898	0.06930542	1812.383545	0.048126221
5/7/11 16:34	10082.16113	-9.914787292	1801.486084	119.4112549	316.0499878	0.113239288	1812.63147	0.048164368	1812.023926	0.061980247	1812.376099	0.055450439
5/7/11 16:34	10082.32813	-10.18887901	1801.356201	117.4250031	248.3600006	0.105892181	1812.624146	0.048164368	1812.023926	0.061912537	1812.376099	0.048126221
5/7/11 16:34	10082.49512	-9.871511459	1801.529419	116.2437515	268.6950073	0.098581314	1812.616821	0.055492401	1812.03125	0.047244072	1812.36145	0.062778473
5/7/11 16:34	10082.66211	-10.01576996	1801.385132	118.159996	269.3250122	0.091119766	1812.609375	0.048282623	1812.024048	0.047178268	1812.361328	0.048244476
5/7/11 16:35	10082.8291	-10.03740883	1801.363525	115.9899979	247.9049988	0.098466873	1812.616699	0.048282623	1812.024048	0.047178268	1812.339355	0.048244476
5/7/11 16:35	10082.99707	-10.12396049	1801.276855	115.8062439	252.2799988	0.098581314	1812.616821	0.048282623	1812.024048	0.032574654	1812.346802	0.048244476
5/7/11 16:35	10083.16309	-9.799381256	1801.601563	116.6637497	287.0699768	0.098581314	1812.616821	0.033504486	1812.009277	0.025248528	1812.346802	0.048126221
5/7/11 16:35	10083.33008	-9.921998978	1801.478882	116.2174988	272.7900085	0.091119766	1812.609375	0.04083252	1812.016602	0.017856598	1812.332031	0.048126221
5/7/11 16:35	10083.49805	-9.929214478	1801.312988	114.0912476	273.7000122	0.098466873	1812.616821	0.033504486	1812.009277	0.010513306	1812.324829	0.055450439
5/7/11 16:35	10083.66504	-10.03740883	1801.363525	114.8700027	284.0950012	0.08392334	1812.602173	0.040950775	1812.016724	0.010579109	1812.324829	0.048244476
5/7/11 16:36	10083.83203	-9.943641663	1801.457275	113.1549988	285.0049744	0.076726913	1812.596069	0.01896286	1811.99585	-0.004022598	1812.311279	0.055568695
5/7/11 16:36	10084	-10.13117599	1801.269653	113.6012497	267.0500183	0.091234207	1812.610596	0.026290894	1812.003174	-0.018741608	1812.296509	0.048244476
5/7/11 16:36	10084.16699	-10.14560318	1801.255249	114.6425018	273.7000122	0.098695755	1812.610718	0.033622742	1812.003174	-0.011348724	1812.303955	0.048244476
5/7/11 16:36	10084.33398	-9.936426163	1801.464478	114.3450012	290.7449951	0.084037781	1812.609619	0.026290894	1812.009399	-0.011348724	1812.302856	0.055568695
5/7/11 16:36	10084.50098	-9.835441589	1801.56543	113.8550034	305.4799805	0.091463089	1812.609741	0.026290894	1812.002075	-0.025952339	1812.288208	0.048244476
5/7/11 16:36	10084.66895	-10.03740883	1801.363525	113.0500031	285.8800049	0.084037781	1812.602295	0.033622742	1812.009399	-0.026018143	1812.288208	0.048244476
5/7/11 16:37	10084.83594	-10.03019333	1801.370728	114.0299988	278.7400208	0.084152222	1812.595093	0.033622742	1811.994751	-0.040603638	1812.27356	0.048244476
5/7/11 16:37	10085.00391	-9.928161621	1801.580933	114.2750015	287.7000122	0.092515945	1812.61084	0.034675598	1812.010498	-0.0542202	1812.26001	0.049297333
5/7/11 16:37	10085.1709	-9.965278625	1801.435547	111.6762466	304.710022	0.08426857	1812.603638	0.01896286	1811.99585	-0.055206299	1812.26001	0.048244476
5/7/11 16:37	10085.33789	-10.15281296	1801.248047	110.9325027	285.6350098	0.098926544	1812.618286	0.01896286	1811.99585	-0.055206299	1812.26001	0.055568695
5/7/11 16:37	10085.50684	-10.19609451	1801.204834	112.6737518	274.1549988	-0.223446846	1812.587891	0.01896286	1811.994751	-0.07720089	1812.237061	0.048244476

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW8_WLD	RW8_WLE	RW8_Flow	RW_TotalFlow	MW19A_WLD	MW19A_WLE	MW19C_WLD	MW19C_WLE	MW20A_WLD	MW20A_WLE	MW20C_WLD
5/7/11 16:37	10085.67383	-10.15281296	1801.673584	112.3499985	290.0449829	0.084383011	1812.602661	0.01896286	1811.994751	-0.077134132	1812.237061	0.048244476
5/7/11 16:38	10085.8418	-9.943641663	1801.493286	111.9562531	279.0899963	0.069724083	1812.595337	0.01896286	1811.994751	-0.091804504	1812.222412	0.040920258
5/7/11 16:38	10086.00781	-10.13839149	1801.262451	114.222496	299.8450012	0.07707119	1812.595337	0.026290894	1811.987427	-0.099129677	1812.215088	0.048244476
5/7/11 16:38	10086.17578	-10.13839149	1801.421143	110.6175003	274.4700012	0.07707119	1812.595337	0.004302979	1811.987427	-0.106472969	1812.207764	0.040920258
5/7/11 16:38	10086.32617	-10.10232162	1801.298584	109.8737488	273.5599976	0.091693878	1812.609985	0.011512756	1811.987305	-0.106472969	1812.207764	0.040798187
5/7/11 16:38	10086.49316	-10.07347298	1801.327393	112.4287491	302.5750122	0.077185631	1812.596558	0.026172638	1812.001953	-0.121076584	1812.193115	0.040798187
5/7/11 16:38	10086.66113	-9.821020126	1801.579834	110.3899994	295.2950134	0.069838524	1812.588135	0.011512756	1811.987305	-0.121076584	1812.193115	0.048126221
5/7/11 16:39	10086.8291	-9.756101608	1801.644775	112.2450027	285.9500122	0.077185631	1812.595459	0.018844604	1811.994629	-0.143072128	1812.171143	0.048126221
5/7/11 16:39	10086.99609	-9.921998978	1801.478882	109.409996	269.4649963	0.077301025	1812.595581	0.026172638	1812.001953	-0.143004417	1812.171143	0.055450439
5/7/11 16:39	10087.16406	-9.857084274	1801.543823	110.0049973	271.0749817	0.091924667	1812.610229	0.011512756	1811.987305	-0.150330544	1812.156494	0.062778473
5/7/11 16:39	10087.33203	-10.16002464	1801.240845	110.7750015	280.2099915	0.077301025	1812.595581	0.004302979	1811.980103	-0.157655716	1812.156616	0.048244476
5/7/11 16:39	10087.49902	-10.03740883	1801.363525	110.7924957	287.7000122	0.084840775	1812.603149	0.004184723	1811.97998	-0.164867401	1812.149292	0.048126221
5/7/11 16:39	10087.66699	-9.907575607	1801.493286	108.6399994	274.3299866	0.070068359	1812.589355	0.011631012	1811.988525	-0.164933205	1812.150391	0.055568695
5/7/11 16:40	10087.83496	-10.02914047	1801.371704	110.5299988	274.9249878	0.071120262	1812.588379	-0.009426117	1811.966431	-0.178549767	1812.13562	0.049179077
5/7/11 16:40	10088.00195	-9.625217438	1801.775635	110.0662537	290.8850098	0.078468323	1812.604004	0.005233765	1811.973755	-0.193201065	1812.120972	0.049179077
5/7/11 16:40	10088.16895	-9.929214478	1801.47168	109.8562546	280.8399963	0.077529907	1812.596802	0.011512756	1811.988403	-0.20153141	1812.11377	0.040798187
5/7/11 16:40	10088.33594	-9.921998978	1801.478882	107.8874969	272.6499939	0.0701828	1812.588501	0.011512756	1811.987305	-0.194188118	1812.119995	0.055450439
5/7/11 16:40	10088.50391	-10.05904579	1801.341797	110.2937469	281.7849731	0.062756538	1812.581055	0.004184723	1811.97998	-0.216266632	1812.0979	0.040798187
5/7/11 16:40	10088.67285	-9.994132996	1801.406738	108.5087509	290.0100098	0.077646255	1812.595947	-0.00302887	1811.972778	-0.216133118	1812.098022	0.048244476
5/7/11 16:41	10088.83984	-9.914787292	1801.486084	111.4312439	294.0700073	0.077646255	1812.595947	-0.003147125	1811.972656	-0.238128662	1812.07605	0.040798187
5/7/11 16:41	10089.00781	-10.02298164	1801.796265	108.6312485	290.5700073	0.062987328	1812.581299	-0.003147125	1811.972656	-0.223460197	1812.090698	0.048126221
5/7/11 16:41	10089.17676	-9.972490311	1801.219238	111.0025024	288.5050049	0.070298195	1812.588623	-0.00302887	1811.972778	-0.245454788	1812.068726	0.048244476
5/7/11 16:41	10089.34473	-9.965278625	1801.435547	107.3974991	277.3049927	0.055640221	1812.573853	-0.003147125	1811.972656	-0.245454788	1812.068726	0.048126221
5/7/11 16:41	10089.51172	-9.900360107	1801.637573	108.1062469	294.980011	0.062987328	1812.581299	-0.00302887	1811.980103	-0.260123253	1812.054077	0.048244476
5/7/11 16:41	10089.67871	-10.05904579	1801.341797	107.8874969	286.1599731	0.070412636	1812.588623	-0.003147125	1811.972656	-0.260057449	1812.046875	0.048126221
5/7/11 16:42	10089.84668	-10.08790016	1801.312988	109.6637497	265.5449829	0.077760696	1812.596069	-0.017807007	1811.958008	-0.267384529	1812.046875	0.048126221
5/7/11 16:43	10091.50195	-9.72003746	1801.680908	106.6712494	282.730011	0.063101768	1812.581299	-0.010356903	1811.965454	-0.326043129	1811.988037	0.055568695
5/7/11 16:45	10093.17773	-9.72725296	1801.435547	104.8074951	327.9499817	0.062987328	1812.581299	-0.017570496	1811.958252	-0.38476944	1811.929443	0.048362732
5/7/11 16:47	10094.83496	-9.878723145	1801.522217	103.8537521	320.0750122	0.064153671	1812.581421	-0.032230377	1811.943604	-0.450705528	1811.863525	0.055690765
5/7/11 16:48	10096.50977	-9.921998978	1801.478882	104.4574966	312.5500183	0.064383507	1812.582642	-0.032108307	1811.943726	-0.494563103	1811.81958	0.041156769
5/7/11 16:50	10098.17188	-9.972490311	1801.291382	104.5537567	308.6650085	0.064383507	1812.574219	-0.03944397	1811.936401	-0.531227112	1811.782959	0.041156769
5/7/11 16:52	10099.8457	-10.09510994	1801.305786	105.2887497	306.5650024	0.041326523	1812.55957	-0.03944397	1811.943848	-0.567892075	1811.746338	0.055809021
5/7/11 16:53	10101.50293	-10.16724014	1801.233643	101.9725037	318.3950195	0.055869102	1812.574097	-0.03944397	1811.936401	-0.611948967	1811.702271	0.048480988
5/7/11 16:55	10103.17676	-10.09510994	1801.305786	104.0812531	327.9850159	0.055754662	1812.573975	-0.032108307	1811.943726	-0.634009361	1811.680176	0.041156769
5/7/11 16:57	10104.83496	-9.943641663	1801.457275	102.4712524	299.1099854	0.048213005	1812.57373	-0.03944397	1811.944702	-0.663464546	1811.651855	0.041156769
5/7/11 16:58	10106.50684	-10.02914047	1801.371704	102.9699936	323.3999939	0.063923836	1812.567505	-0.038391113	1811.937378	-0.691749573	1811.622437	0.042209625
5/7/11 17:00	10108.16504	-10.00750351	1801.393433	102.8212509	333.5849915	0.049265862	1812.567505	-0.031177521	1811.94458	-0.699075699	1811.615112	0.049415588
5/7/11 17:02	10109.83984	-10.00750351	1801.393433	102.9962463	315.0350037	0.041804314	1812.560059	-0.045722961	1811.929932	-0.713809967	1811.600342	0.049533844
5/7/11 17:03	10111.49609	-9.899309158	1801.501587	101.7450027	311.7449951	0.063923836	1812.582153	-0.045841217	1811.929932	-0.728414536	1811.585815	0.04209137
5/7/11 17:05	10113.1709	-9.741674423	1801.65918	101.1937485	313.5299988	0.055640221	1812.582275	-0.039562225	1811.936157	-0.751395226	1811.562866	0.041038513
5/7/11 17:07	10114.82813	-9.95595932	1801.444946	101.0274963	315.6299744	0.056576729	1812.560181	-0.037574768	1811.92981	-0.749353409	1811.563843	0.050354004
5/7/11 17:08	10116.50293	-10.11569595	1801.285156	101.2637482	305.2000122	0.056692123	1812.574951	-0.038513184	1811.937256	-0.757667542	1811.556519	0.049415588
5/7/11 17:10	10118.17578	-10.03635597	1801.364502	100.4762497	303.8349915	0.056576729	1812.574829	-0.023845673	1811.951904	-0.779729843	1811.534424	0.049415588
5/7/11 17:12	10119.83594	-10.09300613	1801.307861	102.2699966	308.5249939	0.057632446	1812.568604	-0.030239105	1811.938232	-0.786017418	1811.528198	0.050354004
5/7/11 17:13	10121.51074	-10.28054619	1801.408813	101.7712479	320.3549805	0.042860031	1812.567383	-0.037574768	1811.937134	-0.793409348	1811.519775	0.04302597
5/7/11 17:15	10123.16992	-9.775634766	1801.625244	99.16374969	301.5599976	0.042974472	1812.561279	-0.037456512	1811.938232	-0.793343544	1811.520874	0.035820007
5/7/11 17:17	10124.84375	-9.804489136	1801.596436	100.6425018	307.6499939	0.050436974	1812.568726	-0.037574768	1811.938232	-0.793276787	1811.520874	0.050354004
5/7/11 17:18	10126.50098	-9.96317482	1801.437744	100.0125046	299.8800049	0.042974472	1812.561279	-0.022907257	1811.938232	-0.800686836	1811.51355	0.035701752

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW8_WLD	RW8_WLE	RW8_Flow	RW_TotalFlow	MW19A_WLD	MW19A_WLE	MW19C_WLD	MW19C_WLE	MW20A_WLD	MW20A_WLE	MW20C_WLD
5/7/11 17:20	10128.17578	-9.948747635	1801.452148	100.6687546	297.8849792	0.050321579	1812.568604	-0.03012085	1811.945679	-0.815339088	1811.498901	0.035820007
5/7/11 17:22	10129.83301	-9.948747635	1801.452148	99.32125092	315.9100037	0.057632446	1812.575928	-0.037456512	1811.938354	-0.808013916	1811.506226	0.043148041
5/7/11 17:23	10131.50684	-9.717933655	1801.682983	99.56624603	307.0200195	0.042860031	1812.568481	-0.044784546	1811.923706	-0.815404892	1811.498779	0.05047226
5/7/11 17:25	10133.16504	-9.905471802	1801.206909	99.19000244	310.2049866	0.050321579	1812.568604	-0.044784546	1811.938354	-0.815339088	1811.498901	0.05047226
5/7/11 17:27	10134.84082	-10.27333069	1801.127563	100.2574997	312.9349976	0.043089867	1812.561401	-0.03012085	1811.945679	-0.822615623	1811.491577	0.043148041
5/7/11 17:28	10136.49609	-9.927110672	1801.372803	99.70625305	322.6650085	0.049495697	1812.568848	-0.037456512	1811.953003	-0.822548866	1811.491699	0.035820007
5/7/11 17:30	10138.16895	-9.942588806	1801.458252	99.54875183	323.3999939	0.041918755	1812.560181	-0.031295776	1811.94458	-0.831063271	1811.483154	0.049297333
5/7/11 17:32	10139.84277	-9.920946121	1801.47998	98.71749878	309.7850037	0.049151421	1812.567383	-0.038631439	1811.937134	-0.831129074	1811.483032	0.041969299
5/7/11 17:33	10141.49902	-9.971437454	1801.429443	100.7387466	301.6999817	0.049381256	1812.567627	-0.031295776	1811.944458	-0.830996513	1811.483154	0.041969299
5/7/11 17:35	10143.17188	-10.20225334	1801.429443	100.7737503	303.5550232	0.042149544	1812.560425	-0.031414032	1811.944336	-0.838255882	1811.475952	0.041851044
5/7/11 17:37	10144.83301	-10.21772766	1801.356201	99.16374969	299.2849731	0.049495697	1812.56665	-0.039680481	1811.937134	-0.831983566	1811.483276	0.033592224
5/7/11 17:38	10146.50488	-9.89315033	1801.32019	100.2837524	292.6700134	0.041096687	1812.559326	-0.039680481	1811.936157	-0.839309692	1811.474854	0.033592224
5/7/11 17:40	10148.16309	-9.986917496	1801.415039	99.88999939	301.8399963	0.042035103	1812.552979	-0.038749695	1811.944336	-0.838321686	1811.47583	0.041851044
5/7/11 17:42	10149.83887	-10.15897179	1801.241943	98.23625183	300.335022	0.049495697	1812.567749	-0.038749695	1811.944336	-0.83093071	1811.483276	0.041851044
5/7/11 17:43	10151.49414	-9.876619339	1801.524292	99.61875153	304.7449951	0.043089867	1812.561401	-0.037693024	1811.93811	-0.837266922	1811.476929	0.035583496
5/7/11 17:45	10153.17188	-9.957010269	1801.393433	98.65625	299.8099976	0.027412415	1812.560303	-0.031414032	1811.944336	-0.838321686	1811.47583	0.034526825
5/7/11 17:47	10154.82813	-10.25274467	1801.148193	97.92124939	296.8349915	0.042149544	1812.560425	-0.031414032	1811.937012	-0.845599174	1811.468628	0.034526825
5/7/11 17:48	10156.49902	-10.07242012	1801.328491	98.71749878	301.7350159	0.020065308	1812.53833	-0.046077728	1811.929688	-0.838321686	1811.47583	0.041851044
5/7/11 17:50	10158.17676	-10.22389603	1801.270752	99.85499573	311.7099915	-0.265530586	1812.252686	-0.038749695	1811.937012	-0.845599174	1811.468628	0.034526825
5/7/11 17:52	10159.83398	-10.05799484	1801.372803	99.97749329	297.8849792	0.034952164	1812.553223	-0.045021057	1811.930786	-0.844477654	1811.469727	0.035583496
5/7/11 17:53	10161.50684	-10.08579445	1801.33667	100.3187485	310.1350098	0.02869606	1812.546997	-0.037693024	1811.93811	-0.844477654	1811.469727	0.035583496
5/7/11 17:55	10163.16406	-9.739570618	1801.553101	98.41124725	309.9249878	0.035778999	1812.554077	-0.030357361	1811.945435	-0.844610214	1811.469604	0.028259277
5/7/11 17:57	10164.83594	-9.696294785	1801.401611	99.47875214	312.9349976	0.043204308	1812.554199	-0.037811279	1811.937988	-0.851870537	1811.46228	0.03546524
5/7/11 17:58	10166.49316	-9.790061951	1801.61084	97.89499664	308.105011	0.021235466	1812.539551	-0.037811279	1811.93811	-0.851870537	1811.46228	0.03546524
5/7/11 18:00	10168.16797	-9.681867599	1801.654053	96.78375244	309.8900146	0.035778999	1812.554077	-0.045021057	1811.930786	-0.85193634	1811.46228	0.028259277
5/7/11 18:02	10169.83984	-9.753997803	1801.646851	98.48999786	313.8099976	-0.257508278	1812.260742	-0.037811279	1811.937988	-0.852069855	1811.462158	0.028137207
5/7/11 18:03	10171.49707	-10.05694199	1801.459351	99.04999542	283.6400146	0.035663605	1812.553955	-0.037811279	1811.937988	-0.844676971	1811.469482	0.042789459
5/7/11 18:05	10173.1709	-10.00645065	1801.394409	97.93000031	307.1600037	0.035778999	1812.554077	-0.037811279	1811.937988	-0.85193634	1811.46228	0.028137207
5/7/11 18:07	10174.82617	-10.06415367	1801.33667	96.33750153	309.3300171	0.043089867	1812.561401	-0.037811279	1811.937988	-0.844610214	1811.469604	0.03546524
5/7/11 18:08	10176.50098	-10.08579445	1801.315063	99.67124939	303.3099976	0.035778999	1812.552979	-0.045143127	1811.930664	-0.844610214	1811.469604	0.028137207
5/7/11 18:10	10178.1582	-10.26611519	1801.134766	99.13749695	319.480011	0.035778999	1812.554077	-0.045021057	1811.952759	-0.844610214	1811.469604	0.035583496
5/7/11 18:12	10179.83398	-9.717933655	1801.682983	97.70249939	305.6549988	0.043318748	1812.561523	-0.037811279	1811.937988	-0.851804733	1811.462402	0.028137207
5/7/11 18:28	10196.48633	-9.911628723	1801.489258	97.60624695	318.3950195	0.037063599	1812.562622	-0.023162842	1811.952637	-0.850749016	1811.463501	0.035449982
5/7/11 18:45	10213.16504	-10.11359024	1801.518066	98.84874725	298.6549988	0.051836967	1812.570068	-0.023162842	1811.952637	-0.850682259	1811.463501	0.028125763
5/7/11 19:02	10229.80762	-10.15897179	1801.241943	98.73500061	294.2799988	0.043318748	1812.561523	-0.024917603	1811.950928	-0.852859497	1811.461304	0.026367188
5/7/11 19:18	10246.47266	-10.06520462	1801.595337	98.42874908	322.3850098	0.035067558	1812.560669	-0.024677277	1811.96582	-0.860136032	1811.454102	0.026607513
5/7/11 19:35	10263.13477	-10.02914047	1801.487183	98.98874664	303.8349915	0.049839973	1812.538818	-0.031890869	1811.803589	-0.845399857	1811.467773	0.01940155
5/7/11 19:52	10279.80566	-9.844762802	1801.758057	97.51875305	294.0350037	0.024595261	1812.542847	-0.034931183	1811.940918	-0.85595417	1811.458252	0.016357422
5/7/11 20:08	10296.4707	-9.692235947	1801.521118	96.84500122	299.7749939	0.033074379	1812.551392	-0.055160522	1811.920654	-0.862178802	1811.452026	0.010795593
5/7/11 20:25	10313.13086	-10.22810364	1801.678711	100.8262482	302.5049744	0.032251358	1812.550537	-0.041553497	1811.934204	-0.870423317	1811.443848	0.002418518
5/7/11 20:42	10329.79883	-9.952957153	1801.447876	98.82249451	296.9749756	0.017707825	1812.536011	-0.04864502	1811.927124	-0.863031387	1811.451172	-0.004669189
5/7/11 20:58	10346.45996	-9.945745468	1801.455078	97.02000427	300.019989	0.025169373	1812.543457	-0.077728271	1811.898071	-0.877615929	1811.436646	-0.019081116
5/7/11 21:15	10363.1123	-9.731464386	1801.474609	95.39250183	311.5700073	0.015480042	1812.533691	-0.080196381	1811.89563	-0.879861832	1811.434326	-0.02155304
5/7/11 21:32	10379.77539	-9.95100975	1801.449829	98.58625031	322.7700195	0.005004883	1812.523315	-0.068584442	1811.907227	-0.875699997	1811.438477	-0.039245605
5/7/11 21:48	10396.44141	-9.937635422	1801.470459	96.16249847	321.4049988	0.004063606	1812.522339	-0.069759369	1811.876709	-0.884015083	1811.430176	-0.040420532
5/7/11 22:05	10413.10254	-10.32097244	1801.512695	98.52500153	308.6999817	0.00266552	1812.519897	-0.085113525	1811.890747	-0.885267258	1811.428955	-0.048442841
5/7/11 22:22	10429.77539	-9.911941528	1801.488892	97.09875488	303.0650024	0.007751465	1812.526001	-0.095153809	1811.880615	-0.894789696	1811.419434	-0.058475494
5/7/11 22:38	10446.42773	-10.09120941	1801.309692	96.43374634	286.1950073	0.001725197	1812.52002	-0.093852997	1811.881958	-0.89359951	1811.420654	-0.057182312

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW8_WLD	RW8_WLE	RW8_Flow	RW_TotalFlow	MW19A_WLD	MW19A_WLE	MW19C_WLD	MW19C_WLE	MW20A_WLD	MW20A_WLE	MW20C_WLD
5/7/11 22:55	10463.09277	-10.01592445	1801.341675	97.31749725	301.5599976	0.019778252	1812.538086	-0.09778595	1811.878052	-0.882959366	1811.431274	-0.046451569
5/7/11 23:12	10479.74805	-10.07873917	1801.524048	98.57749939	292.7049866	0.006057739	1812.524292	-0.110218048	1811.872925	-0.895587921	1811.418579	-0.051548004
5/7/11 23:28	10496.40918	-9.846868515	1801.553955	96.43374634	309.0150146	0.000821114	1812.519043	-0.094501495	1811.881348	-0.894532204	1811.419678	-0.043170929
5/7/11 23:45	10513.08496	-9.858137131	1801.542725	98.44625092	299.144989	-0.003094673	1812.515259	-0.098667145	1811.877197	-0.891232491	1811.423096	-0.04000473
5/8/11 0:02	10529.74902	-9.978649139	1801.314087	96.98500061	312.480011	0.006210327	1812.524414	-0.104125977	1811.871826	-0.896517754	1811.417725	-0.045459747
5/8/11 0:18	10546.40137	-10.03740883	1801.363525	98.65625	296.2050171	-0.00180912	1812.516479	-0.105056763	1811.870728	-0.897304535	1811.41687	-0.046394348
5/8/11 0:35	10563.07324	-9.829282761	1801.571533	98.73500061	296.7999878	-0.002038956	1812.508911	-0.112968445	1811.863892	-0.905901909	1811.409424	-0.039649963
5/8/11 0:52	10579.73535	-9.685024261	1801.71582	97.52749634	313.6699829	-0.002750397	1812.515503	-0.105876923	1811.869873	-0.898360252	1811.415894	-0.061870575
5/8/11 1:08	10596.39941	-9.95595932	1801.444946	98.15750122	317.7999878	6.87E-05	1812.518311	-0.117370605	1811.858398	-0.888069153	1811.418823	-0.058704376
5/8/11 1:25	10613.05664	-9.978649139	1801.422241	98.02625275	289.5899963	-0.000642776	1812.510254	-0.118545532	1811.864624	-0.896251678	1811.425293	-0.059879303
5/8/11 1:42	10629.71582	-9.667446136	1801.733398	97.96500397	288.75	0.000528336	1812.519897	-0.102710724	1811.874146	-0.895130157	1811.420166	-0.051372528
5/8/11 1:58	10646.38281	-9.933265686	1801.467651	98.3062439	303.8349915	0.000528336	1812.518799	-0.101657867	1811.873047	-0.89407444	1811.411743	-0.050315857
5/8/11 2:15	10663.04102	-9.83228302	1801.568604	98.41999817	306.5650024	-0.006588936	1812.52002	-0.116199493	1811.859619	-0.893940926	1811.420288	-0.057529449
5/8/11 2:32	10679.70703	-10.12696266	1801.273926	97.96500397	301.6650085	-0.004704475	1812.51355	-0.122592926	1811.853271	-0.900360107	1811.413818	-0.049259186
5/8/11 2:48	10696.36523	-10.08984566	1801.311035	98.77000427	291.9349976	0.012176514	1812.529419	-0.121417999	1811.85437	-0.906564713	1811.422363	-0.055416107
5/8/11 3:05	10713.02832	-10.12275314	1801.278076	97.98249817	315.5599976	-0.00037384	1812.517944	-0.118373871	1811.857422	-0.888733864	1811.425537	-0.052371979
5/8/11 3:22	10729.69824	-10.04130745	1801.525513	96.59124756	302.2950134	0.001506805	1812.519775	-0.116142273	1811.859619	-0.901424408	1811.420166	-0.042816162
5/8/11 3:38	10746.35352	-9.968118668	1801.432739	95.76874542	293.3000183	-0.019404411	1812.498901	-0.115085602	1811.859619	-0.893109322	1811.420166	-0.041759491
5/8/11 3:55	10763.0166	-9.796064377	1801.331787	97.57125092	301.6650085	-0.020462036	1812.498901	-0.115207672	1811.860596	-0.900367737	1811.413818	-0.041877747
5/8/11 4:12	10779.67285	-9.888936996	1801.511963	98.10499573	306.5650024	-0.026674271	1812.491577	-0.115264893	1811.860596	-0.90768528	1811.406494	-0.056591034
5/8/11 4:28	10796.33496	-9.729198456	1801.671631	97.16874695	307.7550049	-0.004590034	1812.513672	-0.121417999	1811.853271	-0.891896248	1811.41394	-0.062740326
5/8/11 4:45	10812.99902	-10.13312531	1801.268799	95.96125031	305.1300049	-0.03292942	1812.485352	-0.105705261	1811.869019	-0.898252487	1811.414917	-0.061687469
5/8/11 5:02	10829.66895	-10.20525169	1801.383179	98.39374542	285.7399902	-0.017448425	1812.499878	-0.128746033	1811.847046	-0.914107323	1811.414795	-0.055416107
5/8/11 5:18	10846.32422	-10.05483246	1801.346069	98.34999847	301.2450256	-0.004820824	1812.51355	-0.122356415	1811.853516	-0.907752037	1811.406494	-0.063678741
5/8/11 5:35	10862.99512	-9.854822159	1801.430664	97.19499969	312.7600098	-0.021402359	1812.496826	-0.131858826	1811.843994	-0.902413368	1811.404419	-0.0585289
5/8/11 5:52	10879.64941	-9.842346191	1801.558594	96.56500244	311.2549744	-0.009009361	1812.509277	-0.133792877	1811.842041	-0.904613495	1811.402222	-0.053131104
5/8/11 6:08	10896.30957	-9.763000488	1801.637939	99.99500275	289.3450012	-0.016011238	1812.502197	-0.126464844	1811.849365	-0.904414177	1811.40979	-0.060455322
5/8/11 6:25	10912.97754	-10.02161598	1801.480225	97.49250031	300.9649963	-0.015532494	1812.502686	-0.118675232	1811.857178	-0.903692245	1811.403198	-0.05267334
5/8/11 6:42	10929.62988	-10.01951027	1801.381348	95.97875214	308.6650085	-0.027964592	1812.490234	-0.13217926	1811.843628	-0.908842087	1811.405396	-0.058834076
5/8/11 6:58	10946.2998	-10.09058571	1801.562744	98.00875092	298.9349976	-0.034105301	1812.484131	-0.130527496	1811.845215	-0.900392532	1811.406494	-0.042533875
5/8/11 7:15	10962.95801	-9.931900024	1801.468994	96.34624481	314.1600037	-0.019446373	1812.498779	-0.130882263	1811.844971	-0.907718658	1811.406494	-0.042888641
5/8/11 7:32	10979.63574	-10.00192451	1801.673096	98.02625275	297.5700073	-0.017567635	1812.500732	-0.129608154	1811.846191	-0.898416519	1811.408447	-0.048938751
5/8/11 7:48	10996.28809	-10.20689011	1801.19397	97.53625488	297.8500061	-0.01346302	1812.505859	-0.119598389	1811.856201	-0.894265175	1811.419922	-0.031608582
5/8/11 8:05	11012.94727	-10.18824959	1801.212646	95.38375092	295.8900146	-0.009355545	1812.508911	-0.103099823	1811.872803	-0.882766724	1811.431396	-0.022438049
5/8/11 8:22	11029.6084	-10.01198196	1801.18689	96.61750031	309.085022	-0.014115334	1812.50415	-0.105361938	1811.870483	-0.887277603	1811.42688	0.004608154
5/8/11 8:38	11046.28516	-9.881095886	1801.519775	97.36125183	296.2050171	-0.006053925	1812.512207	-0.088695526	1811.887085	-0.893745422	1811.427734	-0.000713348
5/8/11 8:55	11062.93848	-10.02940941	1801.37146	98.34999847	290.5700073	-0.003236771	1812.515015	-0.09936142	1811.876465	-0.868788719	1811.445435	0.017929077
5/8/11 9:12	11079.59766	-10.01182747	1801.389038	97.66749573	303.3450012	-0.000415802	1812.5177	-0.081176758	1811.893677	-0.873214722	1811.439941	0.028778076
5/8/11 11:58	11246.22461	-10.05326843	1801.347656	95.33125305	295.855011	0.002083778	1812.520386	-0.057739258	1811.918091	-0.856499672	1811.457764	0.096179962
5/8/11 14:45	11412.84082	-9.98425293	1801.416626	97.27375031	302.6099854	-0.017305374	1812.500977	-0.045372009	1811.915771	-0.853565216	1811.460693	0.15984726
5/8/11 17:32	11579.46484	-9.965457916	1801.377686	97.20375061	280.7700195	-0.327980995	1812.468628	-0.062847137	1811.919312	-0.877944946	1811.435181	0.186340332
5/8/11 20:18	11746.08008	-9.925027847	1801.47583	96.17124939	292.8800049	-0.080518723	1812.437744	-0.109767914	1811.866089	-0.932144165	1811.38208	0.161434174
5/8/11 23:05	11912.70801	-10.03037453	1801.370483	96.31999969	291.1999817	-0.105862617	1812.412354	-0.451107025	1811.524536	-0.957885742	1811.356323	0.127971649
5/9/11 1:52	12079.33105	-10.10835075	1801.29248	95.47125244	305.2000122	-0.126779556	1812.391479	-0.179203033	1811.795532	-0.971447945	1811.341797	0.12134552
5/9/11 4:38	12245.95605	-9.931926727	1801.468994	96.40749359	307.4400024	-0.14554882	1812.372681	-0.212165833	1811.763672	-0.997563362	1811.31665	0.125045776
5/9/11 7:25	12412.58398	-9.84131813	1801.55957	94.55249786	289.625	-0.45665741	1812.060547	-0.248092651	1811.726685	-1.000861168	1811.312256	0.125762939
5/9/11 10:12	12579.20117	-9.980472565	1801.636841	95.74250031	297.6750183	-0.151970863	1812.366333	-0.247711182	1811.728149	-1.003502846	1811.310669	0.177425385
5/9/11 12:58	12745.81543	-10.01321983	1801.387695	94.98999786	289.5549927	-0.426787376	1812.091431	-0.251110077	1811.724731	-1.000080109	1811.314087	0.210662842

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	RW8_WLD	RW8_WLE	RW8_Flow	RW_TotalFlow	MW19A_WLD	MW19A_WLE	MW19C_WLD	MW19C_WLE	MW20A_WLD	MW20A_WLE	MW20C_WLD
5/9/11 15:45	12912.44727	-9.915821075	1801.485107	95.21749878	283.6749878	-0.137956619	1812.381348	-0.188304901	1811.787476	-0.982235909	1811.339355	0.24413681
5/9/11 18:32	13079.07129	-10.05570984	1801.431763	93.57250214	296.2399902	-0.21368885	1812.304565	-0.771629333	1811.204224	-1.248926163	1811.065308	0.254554749
5/9/11 21:18	13245.69336	-10.12214851	1801.278687	92.14624786	283.6400146	-0.288784027	1812.21582	-0.963310242	1811.012451	-1.396514893	1810.917725	0.172859192
5/10/11 0:05	13412.30078	-9.978206635	1801.422729	90.51000214	277.5499878	-0.280755997	1812.237549	-0.984462738	1810.991333	-1.418761253	1810.888184	0.159034729
5/10/11 2:52	13578.92676	-9.98225975	1801.418579	91.875	270.8299866	-0.284902573	1812.2323	-0.974918365	1810.999878	-1.393603325	1810.904907	0.153930664
5/10/11 5:38	13745.55469	-10.0076828	1801.393188	90.54499817	275.6950073	-0.296808243	1812.207886	-1.01423645	1810.968872	-1.441020966	1810.873169	0.107288361
5/10/11 8:25	13912.16602	-10.10044289	1801.300415	90.72875214	280.3150024	-0.303367615	1812.214844	-1.046821594	1810.928955	-1.461816788	1810.867065	0.045391083
5/10/11 11:12	14078.79785	-9.859884262	1801.541016	89.34625244	282.4499817	-0.240662575	1812.277588	-0.960517883	1811.015259	-1.392803192	1810.921387	0.087677002
5/10/11 13:58	14245.4082	-9.758588791	1801.642334	90.92124939	280	-0.202026367	1812.316284	-0.914405823	1811.061401	-1.326233864	1810.988037	0.104469299
5/10/11 16:45	14412.03418	-9.932441711	1801.468384	90.86000061	283.9900208	-0.190517426	1812.327759	-0.945148468	1811.03064	-1.342521667	1810.97168	0.154335022
5/10/11 19:32	14578.66016	-9.974664688	1801.42627	90.13374329	277.8649902	-0.218089104	1812.300171	-0.981216431	1810.994629	-1.377734184	1810.936523	0.118286133
5/10/11 22:18	14745.27637	-10.03525925	1801.315186	92.26875305	286.0550232	-0.256663322	1812.261597	-1.004875183	1810.970947	-1.401830673	1810.912354	0.036010742
5/11/11 1:05	14911.90234	-9.694297791	1801.706543	91.02624512	294.0700073	-0.232620239	1812.285645	-1.039707184	1810.936035	-1.414430618	1810.89978	0.023174286
5/11/11 3:52	15078.51758	-9.734573364	1801.66626	89.93249512	273.875	-0.251267433	1812.266968	-1.043212891	1810.932617	-1.41119194	1810.903076	-0.009635925
5/11/11 6:38	15245.15137	-9.951433182	1801.449463	90.90374756	281.3300171	-0.243647575	1812.267212	-1.065963745	1810.895142	-1.418411255	1810.895752	-0.017730713
5/11/11 9:25	15411.76953	-9.935218811	1801.465698	88.99624634	281.2949829	-0.249570847	1812.283325	-1.049777985	1810.926025	-1.416734695	1810.897461	-0.052848816
5/11/11 12:12	15578.3877	-10.2495842	1801.151245	92.62750244	270.0599976	-0.196108818	1812.322144	-0.776283264	1811.199463	-1.318833351	1810.995361	0.015361786
5/11/11 14:58	15745.00391	-10.10543633	1801.29541	95.58499908	288.2950134	-0.108078957	1812.410156	-0.365451813	1811.610352	-1.062474251	1811.251709	0.008403778
5/11/11 17:45	15911.62402	-9.983604431	1801.417236	95.43624878	298.6549988	-0.161268234	1812.356934	-0.272808075	1811.709229	-1.005004883	1811.308105	-0.008922577
5/11/11 20:32	16078.25977	-10.06052589	1801.340332	94.99875641	287.2449951	-0.137062073	1812.382324	-0.283943176	1811.691895	-1.003249168	1811.312012	-0.006439209
5/11/11 23:18	16244.87988	-10.05662918	1801.344238	97.66749573	300.1600037	-0.146214485	1812.37207	-0.293899536	1811.681885	-1.005221367	1811.30896	-0.044647217
5/12/11 2:05	16411.49414	-10.03167152	1801.370239	94.85874939	283.5700073	-0.126952171	1812.391357	-0.259231567	1811.715576	-0.993415833	1811.327026	-0.031970978
5/12/11 4:52	16578.11719	-10.0904274	1801.310425	93.77375031	295.1199951	-0.136143684	1812.38208	-0.261222839	1811.714722	-0.995391846	1811.318848	-0.026630402
5/12/11 15:58	17244.60156	-10.01108551	1801.389771	96.87125397	289.3799744	-0.100664139	1812.417603	-0.204959869	1811.770874	-0.930052757	1811.384155	0.044246674

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW20C_WLE	MW20D_WLD	MW20D_WLE	MW20E_WLD	MW20E_WLE	MW30A_WLD	MW30A_WLE	MW30C_WLD	MW30C_WLE	MW30D_WLD	MW30D_WLE
4/30/11 16:29	2.551150084	1808.05127	-0.068656921	1811.977905	0.001052856	1811.675049	0.001054764	1812.214844	0.001052856	1812.119507	-0.105056763	1811.932251
4/30/11 16:39	9.998366356	1808.057251	-0.044059753	1811.932617	-0.073364258	1811.600708	-0.065680504	1812.148193	-0.051494598	1812.066895	-0.051338196	1811.880981
4/30/11 16:49	19.99691582	1808.058472	-0.079650879	1811.897217	-0.130958557	1811.543091	-0.248680115	1811.965088	-0.152950287	1811.965454	-0.108894348	1811.823364
4/30/11 16:59	29.99004936	1808.063843	-0.080535889	1811.895264	-0.095275879	1811.562988	-0.373612404	1811.839111	-0.161170959	1811.956177	-0.125556946	1811.806763
4/30/11 17:09	39.98183441	1808.062744	-0.075332642	1811.901489	-0.112045288	1811.562012	-0.456321716	1811.757446	-0.177947998	1811.940552	-0.141281128	1811.791016
4/30/11 17:19	49.97788239	1808.056274	-0.096405029	1811.880371	-0.118392944	1811.555664	-0.521248817	1811.692627	-0.199020386	1811.919434	-0.147644043	1811.784668
4/30/11 17:29	59.9766655	1808.048218	-0.089935303	1811.886841	-0.134078979	1811.539917	-0.558952332	1811.654907	-0.199882507	1811.918579	-0.163261414	1811.769043
4/30/11 17:39	69.97721863	1808.053467	-0.091941833	1811.884888	-0.121498108	1811.55249	-0.575758934	1811.638062	-0.201896667	1811.916504	-0.165328979	1811.766968
4/30/11 17:49	79.97341919	1808.039795	-0.098175049	1811.87854	-0.113166809	1811.560913	-0.5966959	1811.617065	-0.208129883	1811.910278	-0.164299011	1811.768066
4/30/11 17:59	89.97554779	1808.029541	-0.108665466	1811.87561	-0.145645142	1811.528442	-0.607203484	1811.606567	-0.218528748	1811.899902	-0.161201477	1811.771118
4/30/11 18:09	99.9717865	1808.032471	-0.098274231	1811.885864	-0.14250946	1811.546143	-0.604312897	1811.609497	-0.200908661	1811.91748	-0.164344788	1811.767944
4/30/11 18:19	109.9689636	1808.026001	-0.112129211	1811.864746	-0.13419342	1811.539795	-0.617714882	1811.596069	-0.214752197	1811.903687	-0.156105042	1811.776245
4/30/11 18:29	119.956665	1808.023193	-0.100456238	1811.876465	-0.152000427	1811.522095	-0.620879173	1811.592896	-0.217723846	1811.900879	-0.173835754	1811.758423
4/30/11 18:39	129.9540863	1808.014771	-0.108718872	1811.868042	-0.138366699	1811.535645	-0.614587784	1811.599243	-0.218677521	1811.89978	-0.174850464	1811.757446
4/30/11 18:49	139.9494781	1808.030518	-0.107673645	1811.869141	-0.151992798	1811.522095	-0.620879173	1811.592896	-0.210308075	1811.908203	-0.173797607	1811.758545
4/30/11 18:59	149.9534149	1808.017944	-0.112846375	1811.864014	-0.171943665	1811.502075	-0.626110077	1811.587646	-0.215484619	1811.902954	-0.179031372	1811.753296
4/30/11 19:09	159.960968	1808.005493	-0.131622314	1811.844116	-0.19077301	1811.482178	-0.623027802	1811.59082	-0.219608307	1811.898804	-0.168556213	1811.763794
4/30/11 19:19	169.9581451	1808.002319	-0.143157959	1811.833618	-0.180358887	1811.508301	-0.619769096	1811.593994	-0.209163666	1811.909302	-0.180107117	1811.752197
4/30/11 19:29	179.9511261	1807.994141	-0.129570007	1811.84729	-0.1667099	1811.507324	-0.61356163	1811.60022	-0.210124969	1811.908325	-0.173835754	1811.758423
4/30/11 19:39	189.9528656	1807.993042	-0.123199463	1811.846313	-0.197090149	1811.491577	-0.614523888	1811.599243	-0.225841522	1811.892578	-0.183235168	1811.750122
4/30/11 19:49	199.947876	1807.981445	-0.156715393	1811.842041	-0.201316833	1811.487305	-0.611628532	1811.602173	-0.222728729	1811.895752	-0.186401367	1811.74585
4/30/11 19:59	209.9439545	1807.977295	-0.138969421	1811.837891	-0.220222473	1811.483154	-0.608268738	1811.605591	-0.22694397	1811.891479	-0.183288574	1811.749023
4/30/11 20:09	219.9481049	1807.974243	-0.156669617	1811.82019	-0.223365784	1811.450684	-0.618738174	1811.595093	-0.215351105	1811.903076	-0.186416626	1811.74585
4/30/11 20:19	229.9294434	1807.96167	-0.14730072	1811.829468	-0.212898254	1811.460083	-0.608353615	1811.60437	-0.226902008	1811.890503	-0.191688538	1811.740601
4/30/11 20:29	239.9272766	1807.957397	-0.151527405	1811.832642	-0.23286438	1811.426514	-0.613493919	1811.600342	-0.232181549	1811.88623	-0.188575745	1811.743774
4/30/11 20:39	249.9377594	1807.946899	-0.153633118	1811.822144	-0.234970093	1811.437988	-0.61564827	1811.597168	-0.226955414	1811.890381	-0.190689087	1811.741577
4/30/11 20:49	259.9354858	1807.942627	-0.159111023	1811.817749	-0.241333008	1811.448486	-0.614678383	1811.60022	-0.240814209	1811.878784	-0.196037292	1811.736328
4/30/11 20:59	269.9232483	1807.939331	-0.162269592	1811.821899	-0.258087158	1811.430542	-0.624220848	1811.5896	-0.235588074	1811.882813	-0.206535339	1811.72583
4/30/11 21:09	279.9238892	1807.927734	-0.166496277	1811.817627	-0.262306213	1811.426392	-0.613656998	1811.600098	-0.232479095	1811.885986	-0.203422546	1811.728882
4/30/11 21:19	289.9251099	1807.923706	-0.177848816	1811.79895	-0.251846313	1811.422241	-0.617877007	1811.597046	-0.236503601	1811.883057	-0.214897156	1811.717407
4/30/11 21:29	299.9246216	1807.919556	-0.175788879	1811.802124	-0.271774292	1811.40332	-0.615761757	1811.599121	-0.249107361	1811.870361	-0.198173523	1811.734131
4/30/11 21:39	309.9195862	1807.915405	-0.186187744	1811.812622	-0.274925232	1811.39917	-0.61153698	1811.602295	-0.252174377	1811.866333	-0.193984985	1811.738281
4/30/11 21:49	319.918335	1807.889282	-0.183074951	1811.793701	-0.265556335	1811.409546	-0.616855621	1811.598022	-0.250118256	1811.869385	-0.20552063	1811.726807
4/30/11 21:59	329.9153442	1807.88501	-0.179969788	1811.796875	-0.298057556	1811.375977	-0.62736702	1811.586426	-0.245967865	1811.872437	-0.202423096	1811.729858
4/30/11 22:09	339.9111023	1807.889282	-0.183029175	1811.801147	-0.301200867	1811.372803	-0.608714104	1811.605103	-0.249031067	1811.869385	-0.212867737	1811.719482
4/30/11 22:19	349.9128113	1807.894653	-0.19342804	1811.784424	-0.303291321	1811.370728	-0.610690117	1811.603149	-0.258365631	1811.860107	-0.230651855	1811.70166
4/30/11 22:29	359.9077759	1807.876709	-0.195632935	1811.781128	-0.291786194	1811.382202	-0.606547356	1811.6073	-0.254306793	1811.864136	-0.225471497	1811.706787
4/30/11 22:39	369.9070129	1807.873657	-0.198699951	1811.778076	-0.309616089	1811.349731	-0.61697197	1811.596802	-0.264690399	1811.85376	-0.228599548	1811.703735
4/30/11 22:49	379.9004211	1807.865234	-0.199760437	1811.769775	-0.3253479	1811.378052	-0.618120193	1811.595703	-0.258430481	1811.859985	-0.215003967	1811.717285
4/30/11 22:59	389.9001465	1807.856934	-0.215454102	1811.761353	-0.311729431	1811.362305	-0.611823082	1811.609375	-0.259487152	1811.859009	-0.216064453	1811.716187
4/30/11 23:09	399.8978577	1807.85376	-0.210250854	1811.765503	-0.313842773	1811.359131	-0.606586456	1811.607178	-0.254261017	1811.864258	-0.218170166	1811.714111
4/30/11 23:19	409.8957214	1807.852661	-0.439468384	1811.068481	-0.330619812	1811.343384	-0.615949631	1811.5979	-0.249042511	1811.869385	-0.220275879	1811.712036
4/30/11 23:29	419.8928528	1807.841064	-0.216583252	1811.760254	-0.349502563	1811.324585	-0.598220825	1811.615601	-0.253265381	1811.865234	-0.224502563	1811.707764
4/30/11 23:39	429.8929138	1807.839966	-0.218795776	1811.766357	-0.336967468	1811.338135	-0.600148201	1811.614746	-0.262798309	1811.856689	-0.226646423	1811.705688
4/30/11 23:49	439.8961182	1807.837891	-0.219841003	1811.756958	-0.352676392	1811.321411	-0.593903542	1811.612549	-0.256523132	1811.861938	-0.22038269	1811.711914
4/30/11 23:59	449.8925171	1807.827515	-0.222915649	1811.753906	-0.341171265	1811.332886	-0.589761734	1811.624023	-0.25227356	1811.866211	-0.223510742	1811.70874
5/1/11 0:09	459.879425	1807.824341	-0.226081848	1811.750732	-0.344337463	1811.329712	-0.600280762	1811.613525	-0.248104095	1811.870361	-0.204681396	1811.727661
5/1/11 0:19	469.8830261	1807.822266	-0.214477539	1811.756104	-0.346427917	1811.327637	-0.587781906	1811.625977	-0.250114441	1811.868286	-0.222465515	1811.709839

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW20C_WLE	MW20D_WLD	MW20D_WLE	MW20E_WLD	MW20E_WLE	MW30A_WLD	MW30A_WLE	MW30C_WLD	MW30C_WLE	MW30D_WLD	MW30D_WLE
5/1/11 0:29	479.881073	1807.821411	-0.214378357	1811.762451	-0.362129211	1811.31189	-0.596179008	1811.617676	-0.25107193	1811.867432	-0.215087891	1811.717163
5/1/11 0:39	489.8788452	1807.818237	-0.224884033	1811.751953	-0.350646973	1811.323364	-0.591913223	1811.621948	-0.254241943	1811.871582	-0.218254089	1811.714111
5/1/11 0:49	499.8612976	1807.815063	-0.219657898	1811.756104	-0.352752686	1811.32019	-0.593975067	1811.618774	-0.249019623	1811.868408	-0.220367432	1811.711914
5/1/11 0:59	509.8616943	1807.812988	-0.215515137	1811.746704	-0.341239929	1811.332764	-0.589752197	1811.624023	-0.252185822	1811.866211	-0.230865479	1811.701416
5/1/11 1:09	519.8577881	1807.810913	-0.21762085	1811.759277	-0.343353271	1811.31604	-0.584599495	1811.62915	-0.239643097	1811.878906	-0.210990906	1811.721313
5/1/11 1:19	529.8606567	1807.818115	-0.216567993	1811.52478	-0.342300415	1811.345337	-0.583544731	1811.62915	-0.23859024	1811.878784	-0.209938049	1811.722412
5/1/11 1:29	539.8572388	1807.80249	-0.202964783	1811.772827	-0.344406128	1811.32959	-0.585700989	1811.628174	-0.240699768	1811.877808	-0.218307495	1811.713989
5/1/11 1:39	549.8531494	1807.812012	-0.216461182	1811.7677	-0.342277527	1811.346436	-0.568847656	1811.623047	-0.238494873	1811.880005	-0.217216492	1811.715088
5/1/11 1:49	559.8547363	1807.812134	-0.209022522	1811.767822	-0.356941223	1811.317139	-0.576154709	1811.637695	-0.238395691	1811.880005	-0.209861755	1811.722412
5/1/11 1:59	569.8573608	1807.518921	-0.209121704	1811.7677	-0.342277527	1811.331787	-0.561549187	1811.652222	-0.231163025	1811.887329	-0.217216492	1811.715088
5/1/11 2:09	579.8534546	1807.809937	-0.203918457	1811.772949	-0.330734253	1811.34436	-0.564711571	1811.650146	-0.226894379	1811.892578	-0.204681396	1811.727661
5/1/11 2:19	589.8516235	1807.801514	-0.190315247	1811.786499	-0.330734253	1811.343262	-0.564803123	1811.649048	-0.219558716	1811.898804	-0.198417664	1811.733887
5/1/11 2:29	599.8493652	1807.806885	-0.206916809	1811.769897	-0.340148926	1811.333862	-0.55957222	1811.639648	-0.228954315	1811.882202	-0.200416565	1811.731934
5/1/11 2:39	609.8544312	1807.806885	-0.206916809	1811.769897	-0.340148926	1811.333862	-0.552272797	1811.661499	-0.228954315	1811.882202	-0.193099976	1811.739258
5/1/11 2:49	619.8500366	1807.826782	-0.44342041	1811.533447	-0.349555969	1811.324463	-0.561553955	1811.659546	-0.223678589	1811.894775	-0.202476501	1811.729858
5/1/11 2:59	629.8358154	1807.81311	-0.199623108	1811.571045	-0.347457886	1811.325562	-0.537534714	1811.660522	-0.221664429	1811.895752	-0.207717896	1811.724609
5/1/11 3:09	639.8425293	1807.812866	-0.215438843	1811.76123	-0.333854675	1811.34021	-0.545855522	1811.667969	-0.222820282	1811.895508	-0.19417572	1811.738159
5/1/11 3:19	649.840332	1807.52417	-0.211288452	1811.765503	-0.32233429	1811.351685	-0.541758537	1811.664795	-0.225986481	1811.89978	-0.19733429	1811.734985
5/1/11 3:29	659.8231201	1807.799438	-0.207008362	1811.769775	-0.35484314	1811.333862	-0.545009613	1811.668823	-0.207069397	1811.911377	-0.185806274	1811.74646
5/1/11 3:39	669.822876	1807.797485	-0.428817749	1811.547974	-0.342262268	1811.331787	-0.554430962	1811.659424	-0.216396332	1811.9021	-0.18788147	1811.744385
5/1/11 3:49	679.8244629	1807.79126	-0.193328857	1811.783447	-0.341209412	1811.347534	-0.553376198	1811.6604	-0.208026886	1811.9104	-0.194160461	1811.738159
5/1/11 3:59	689.817688	1807.805908	-0.185897827	1811.790894	-0.341186523	1811.332886	-0.546067238	1811.668823	-0.215244293	1811.904297	-0.179450989	1811.752808
5/1/11 4:09	699.8319702	1807.809082	-0.197395325	1811.779419	-0.35269928	1811.321289	-0.535556793	1811.678223	-0.212078094	1811.906372	-0.183616638	1811.748657
5/1/11 4:19	709.8260498	1807.794434	-0.197395325	1811.552246	-0.35269928	1811.350708	-0.535556793	1811.678223	-0.212078094	1811.906372	-0.183616638	1811.748657
5/1/11 4:29	719.821228	1807.794434	-0.191116333	1811.786743	-0.32333374	1811.350708	-0.535556793	1811.678223	-0.20476532	1811.913696	-0.184677124	1811.747681
5/1/11 4:39	729.8097534	1807.793457	-0.198448181	1811.77832	-0.353752136	1811.320313	-0.536657333	1811.677124	-0.213134766	1811.905273	-0.184677124	1811.747681
5/1/11 4:49	739.8087769	1807.800903	-0.192070007	1811.785767	-0.354797363	1811.320313	-0.544919968	1811.669922	-0.20677948	1811.91272	-0.185691833	1811.746582
5/1/11 4:59	749.8054199	1807.794434	-0.401473999	1811.794067	-0.336967468	1811.321289	-0.527107239	1811.686768	-0.203712463	1811.914795	-0.182563782	1811.749756
5/1/11 5:09	759.8016968	1807.78833	-0.65045166	1811.780518	-0.322273254	1811.337036	-0.527197838	1811.69397	-0.210929871	1811.907471	-0.168914795	1811.763428
5/1/11 5:19	769.7966919	1807.785034	-0.177513123	1811.799316	-0.325447083	1811.348633	-0.522969246	1811.690796	-0.206874847	1811.911621	-0.171066284	1811.76123
5/1/11 5:29	779.7998047	1807.784058	-0.412910461	1811.563965	-0.32649231	1811.347534	-0.524026871	1811.689819	-0.200500488	1811.917969	-0.164772034	1811.767578
5/1/11 5:39	789.7988892	1807.789185	-0.173248291	1811.803467	-0.328613281	1811.345459	-0.526183128	1811.687622	-0.19536972	1811.923096	-0.166877747	1811.765381
5/1/11 5:49	799.7960815	1807.796753	-0.173149109	1811.803711	-0.313949585	1811.360107	-0.518702507	1811.695068	-0.202510834	1811.92334	-0.1668396	1811.765503
5/1/11 5:59	809.7993774	1807.78833	-0.168029785	1811.809814	-0.330711365	1811.34436	-0.520899773	1811.700195	-0.197383881	1811.913696	-0.168983459	1811.763306
5/1/11 6:09	819.8001709	1807.791382	-0.178520203	1811.79834	-0.304550171	1811.369507	-0.524066925	1811.697021	-0.193218231	1811.917969	-0.172149658	1811.760132
5/1/11 6:19	829.7947388	1807.788208	-0.166000366	1811.809814	-0.30771637	1811.366333	-0.527276993	1811.693848	-0.189071655	1811.929443	-0.166946411	1811.765381
5/1/11 6:29	839.7921143	1807.500366	-0.176467896	1811.800293	-0.309822083	1811.364258	-0.514689445	1811.699097	-0.191177368	1811.927246	-0.162773132	1811.769531
5/1/11 6:39	849.7927856	1807.786133	-0.192176819	1811.785645	-0.325561523	1811.349487	-0.508353233	1811.706543	-0.184898376	1811.927246	-0.163833618	1811.768433
5/1/11 6:49	859.7770996	1807.78186	-0.378517151	1811.818115	-0.284713745	1811.359985	-0.511475563	1811.709595	-0.437229156	1811.93042	-0.159667969	1811.772583
5/1/11 6:59	869.7738037	1807.777588	-0.154655457	1811.821045	-0.28894043	1811.385132	-0.515738487	1811.69812	-0.192378998	1811.93335	-0.162872314	1811.769409
5/1/11 7:09	879.7728882	1807.78479	-0.163139343	1811.813721	-0.288955688	1811.385132	-0.52303791	1811.690796	-0.185146332	1811.93335	-0.163963318	1811.768311
5/1/11 7:19	889.7697144	1807.775146	-0.340126038	1811.826172	-0.304718018	1811.382935	-0.516749382	1811.696045	-0.18629837	1811.931152	-0.150405884	1811.78186
5/1/11 7:29	899.7668457	1807.774048	-0.371643066	1811.605225	-0.277488708	1811.396484	-0.504162788	1811.709595	-0.18850708	1811.929932	-0.152557373	1811.779785
5/1/11 7:39	909.7659912	1807.769775	-0.142494202	1811.835327	-0.259674072	1811.414307	-0.508386612	1811.705444	-0.185436249	1811.932983	-0.150489807	1811.78186
5/1/11 7:49	919.7631836	1807.789551	-0.13633728	1811.840454	-0.261802673	1811.412231	-0.495843887	1811.710693	-0.180328369	1811.93811	-0.144271851	1811.788086
5/1/11 7:59	929.7573853	1807.791504	-0.332138062	1811.644653	-0.245033264	1811.428955	-0.508431435	1811.712646	-0.170978546	1811.94751	-0.142204285	1811.790039
5/1/11 8:09	939.7544556	1807.795532	-0.137519836	1811.839355	-0.240829468	1811.418579	-0.504259109	1811.709595	-0.166862488	1811.951538	-0.12335968	1811.80896
5/1/11 8:19	949.7680054	1807.782593	-0.121124268	1811.855713	-0.231498718	1811.442505	-0.487671852	1811.726074	-0.165096283	1811.953369	-0.128753662	1811.803589

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW20C_WLE	MW20D_WLD	MW20D_WLE	MW20E_WLD	MW20E_WLE	MW30A_WLD	MW30A_WLE	MW30C_WLD	MW30C_WLE	MW30D_WLD	MW30D_WLE
5/1/11 8:29	959.7615967	1807.796021	-0.129707336	1811.847168	-0.247238159	1811.426758	-0.488770485	1811.725098	-0.159011841	1811.959473	-0.129890442	1811.802368
5/1/11 8:39	969.7555542	1807.7948	-0.123535156	1811.853271	-0.218978882	1811.455078	-0.482483864	1811.731323	-0.160163879	1811.958252	-0.123657227	1811.808594
5/1/11 8:49	979.753479	1807.799805	-0.118621826	1811.858276	-0.191802979	1811.4823	-0.48463726	1811.729126	-0.155235291	1811.963379	-0.117507935	1811.814819
5/1/11 8:59	989.7450562	1807.810059	-0.100898743	1811.875977	-0.188652039	1811.485352	-0.474344254	1811.739502	-0.144855499	1811.973633	-0.115440369	1811.816895
5/1/11 9:09	999.7601318	1807.806519	-0.331466675	1811.645386	-0.191864014	1811.482178	-0.462859154	1811.750977	-0.1483078	1811.970093	-0.11139679	1811.820923
5/1/11 9:19	1009.750244	1807.809326	-0.101547241	1811.875244	-0.196128845	1811.477905	-0.474520683	1811.739258	-0.145484924	1811.973022	-0.101089478	1811.831177
5/1/11 9:29	1019.749146	1807.807495	-0.095870972	1811.880981	-0.167945862	1811.506104	-0.468361855	1811.745483	-0.132476807	1811.985962	-0.102386475	1811.829956
5/1/11 9:39	1029.747192	1807.815308	-0.103317261	1811.874512	-0.144241333	1811.530884	-0.466653824	1811.748169	-0.132556915	1811.986938	-0.0938797	1811.838379
5/1/11 9:49	1039.740234	1807.804932	-0.076194763	1811.907959	-0.147254944	1811.526733	-0.469819069	1811.744019	-0.134750366	1811.983643	-0.082008362	1811.850342
5/1/11 9:59	1049.738892	1807.8125	-0.061172485	1811.915649	-0.131622314	1811.542358	-0.469171524	1811.751953	-0.127048492	1811.998779	-0.081237793	1811.851074
5/1/11 10:09	1059.74707	1807.821045	-0.052848816	1811.92395	-0.08744812	1811.586548	-0.46894455	1811.744873	-0.118743896	1811.999756	-0.058837891	1811.873413
5/1/11 10:19	1069.72522	1807.831787	-0.042137146	1811.934692	-0.091621399	1811.582397	-0.451028824	1811.762817	-0.108009338	1812.010498	-0.070259094	1811.862061
5/1/11 10:29	1079.729004	1807.831299	-0.034408569	1811.941406	-0.076911926	1811.596069	-0.443722725	1811.769043	-0.100311279	1812.01709	-0.048141479	1811.884155
5/1/11 10:39	1089.724976	1807.839966	-0.019447327	1811.957397	-0.062187195	1811.611816	-0.443632126	1811.770142	-0.100017548	1812.018433	-0.040687561	1811.891602
5/1/11 10:49	1099.723145	1807.842773	-0.009307861	1811.967529	-0.066459656	1811.607544	-0.440598488	1811.787842	-0.097198486	1812.028564	-0.037696838	1811.894653
5/1/11 10:59	1109.720703	1807.848145	-0.011222839	1811.965576	-0.024551392	1811.649536	-0.442619324	1811.77124	-0.091781616	1812.026611	-0.039733887	1811.892578
5/1/11 11:09	1119.717285	1807.838989	-0.005821228	1811.970947	0.002693176	1811.676758	-0.437339783	1811.776367	-0.093696594	1812.032104	-0.034423828	1811.897827
5/1/11 11:19	1129.715332	1807.842896	-0.009185791	1811.967651	-0.015144348	1811.658936	-0.425806999	1811.787964	-0.089725494	1812.028687	-0.030342102	1811.901978
5/1/11 11:29	1139.710205	1807.85376	0.001594543	1811.978394	0.002708435	1811.676758	-0.429987907	1811.783813	-0.078929901	1812.039551	-0.019737244	1811.912598
5/1/11 11:39	1149.706421	1807.839233	0.001701355	1811.978516	0.002731323	1811.676758	-0.422642708	1811.791138	-0.071517944	1812.046875	-0.012374878	1811.919922
5/1/11 11:49	1159.718628	1807.853027	0.008071899	1811.984985	0.001678467	1811.675781	-0.423697472	1811.790161	-0.079795837	1812.038696	-0.028030396	1811.904297
5/1/11 11:59	1169.719971	1807.854126	0.001899719	1811.97876	0.002754211	1811.676758	-0.429941177	1811.783813	-0.071323395	1812.039795	-0.019615173	1811.91272
5/1/11 12:09	1179.701172	1807.865234	-0.001502991	1811.975342	-0.007720947	1811.680908	-0.425810814	1811.787964	-0.074710846	1812.043701	-0.015510559	1811.916748
5/1/11 12:19	1189.705322	1807.85791	-0.00881958	1811.968018	0.00692749	1811.680908	-0.418421745	1811.795288	-0.074710846	1812.043701	-0.022827148	1811.909424
5/1/11 12:29	1199.699097	1807.861328	-0.005455017	1811.971313	0.010124207	1811.684204	-0.422647476	1811.791138	-0.071353912	1812.047119	-0.019592285	1811.91272
5/1/11 12:39	1209.700073	1807.877197	-0.004295349	1811.972534	-0.003448486	1811.670532	-0.414200783	1811.799561	-0.077529907	1812.040894	-0.018486023	1811.913818
5/1/11 12:49	1219.697754	1807.874023	0.008224487	1811.984009	0.008026123	1811.682007	-0.424757957	1811.789063	-0.080699921	1812.03772	-0.020599365	1811.911743
5/1/11 12:59	1229.688965	1807.876099	-0.005355835	1811.971436	0.010139465	1811.684204	-0.415258408	1811.79126	-0.093257904	1812.047241	-0.019546509	1811.91272
5/1/11 13:09	1239.687256	1807.879395	0.005218506	1811.982056	-0.01600647	1811.658081	-0.419344902	1811.794434	-0.060680389	1812.057739	-0.016342163	1811.916016
5/1/11 13:19	1249.681152	1807.877319	-0.004203796	1811.972656	0.01121521	1811.685303	-0.42871666	1811.785034	-0.070098877	1812.04834	-0.011131287	1811.921143
5/1/11 13:29	1259.67981	1807.875244	-0.006271362	1811.970581	0.001838684	1811.675903	-0.423442841	1811.797729	-0.072162628	1812.053589	-0.020507813	1811.911743
5/1/11 13:39	1269.67688	1807.890869	0.002029419	1811.978882	-0.011810303	1811.662231	-0.415125847	1811.798706	-0.063869476	1812.054565	-0.012161255	1811.920166
5/1/11 13:49	1279.674561	1807.874023	-0.001235962	1811.976685	-0.000305176	1811.674805	-0.418292046	1811.795532	-0.067134857	1812.05127	-0.022697449	1811.909668
5/1/11 13:59	1289.690552	1807.87793	-0.003379822	1811.973389	0.013114929	1811.687134	-0.411955833	1811.80188	-0.069259644	1812.049194	-0.02419281	1811.908081
5/1/11 14:09	1299.670654	1807.877563	0.003639221	1811.980469	0.013076782	1811.687134	-0.404648781	1811.809082	-0.062236786	1812.056152	-0.02431488	1811.907959
5/1/11 14:19	1309.682495	1807.879272	0.005218506	1811.981934	0.013320923	1811.687378	-0.419300079	1811.794556	-0.060680389	1812.057617	-0.016342163	1811.916016
5/1/11 14:29	1319.666016	1807.871338	-0.003738403	1811.974121	-0.002487183	1811.672607	-0.427618027	1811.787231	-0.062316895	1812.057129	-0.024971008	1811.907349
5/1/11 14:39	1329.680908	1807.884399	0.003074646	1811.979858	0.026763916	1811.700806	-0.405840874	1811.807983	-0.062801361	1812.055664	-0.017837524	1811.914429
5/1/11 14:49	1339.670898	1807.886108	0.004989624	1811.981689	0.02885437	1811.702881	-0.403505325	1811.810303	-0.053554535	1812.064819	-0.001174927	1811.931152
5/1/11 14:59	1349.670776	1807.876465	0.009910583	1811.986694	0.012016296	1811.686035	-0.412965775	1811.800781	-0.048625946	1812.069824	-0.00340271	1811.928955
5/1/11 15:09	1359.66748	1807.883911	0.010108948	1811.986816	0.041397095	1811.715454	-0.398405075	1811.81543	-0.055763245	1812.062622	-0.017959595	1811.914307
5/1/11 15:19	1369.665039	1807.888306	0.015380859	1811.991089	0.031997681	1811.704956	-0.392950058	1811.820801	-0.043151855	1812.075317	-0.012687683	1811.919678
5/1/11 15:29	1379.666382	1807.901123	0.004829407	1811.981689	0.049095154	1811.723145	-0.390839577	1811.822998	-0.046432495	1812.072021	0.004859924	1811.937134
5/1/11 15:39	1389.665039	1807.910889	0.021774292	1811.998657	0.036567688	1811.710571	-0.396211624	1811.817627	-0.044132233	1812.074463	-0.000267029	1811.932007
5/1/11 15:49	1399.647217	1807.912598	0.02368927	1812.000488	0.038642883	1811.712646	-0.379817009	1811.833984	-0.034877777	1812.083618	0.00177002	1811.934082
5/1/11 15:59	1409.646118	1807.90271	0.014907837	1811.990723	0.037528992	1811.710449	-0.403096199	1811.809692	-0.036323547	1812.081055	-0.007827759	1811.925537
5/1/11 16:09	1419.645264	1807.903931	0.015274048	1811.991943	0.053153992	1811.727173	-0.402129173	1811.811646	-0.04328537	1812.075073	0.001327515	1811.933594
5/1/11 16:19	1429.639771	1807.913574	0.01738739	1811.994263	0.04058075	1811.7146	-0.377977371	1811.835815	-0.041175842	1812.077271	-0.003883362	1811.928467

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW20C_WLE	MW20D_WLD	MW20D_WLE	MW20E_WLD	MW20E_WLE	MW30A_WLD	MW30A_WLE	MW30C_WLD	MW30C_WLE	MW30D_WLD	MW30D_WLE
5/1/11 16:29	1439.636475	1807.908936	0.020095825	1811.996948	0.042793274	1811.716797	-0.382852554	1811.830933	-0.038482666	1812.079956	0.005783081	1811.93811
5/1/11 16:39	1449.648315	1807.910278	0.028671265	1812.005493	0.058540344	1811.717896	-0.389098167	1811.824707	-0.037231445	1812.081177	-0.000396729	1811.931885
5/1/11 16:49	1459.631104	1807.90271	0.021141052	1811.997925	0.029159546	1811.703247	-0.389007568	1811.824829	-0.037425995	1812.081055	0.006835938	1811.939087
5/1/11 16:59	1469.628906	1807.905029	0.014984131	1811.99292	0.015571594	1811.690674	-0.395258904	1811.81958	-0.043605804	1812.07605	0.000610352	1811.932861
5/1/11 17:09	1479.625854	1807.897827	0.016242981	1811.993042	0.031318665	1811.705322	-0.401409149	1811.812378	-0.042354584	1812.07605	-0.005577087	1811.926758
5/1/11 17:19	1489.62439	1807.905151	0.016242981	1811.993042	0.031318665	1811.705322	-0.408672333	1811.805176	-0.049674988	1812.068726	-0.012908936	1811.919434
5/1/11 17:29	1499.62207	1807.889526	0.022392273	1811.99939	0.015594482	1811.689697	-0.409820557	1811.803955	-0.058162689	1812.060547	-0.021339417	1811.911011
5/1/11 17:39	1509.622559	1807.897461	0.001281738	1811.978149	0.016624451	1811.690674	-0.40862751	1811.805176	-0.057296753	1812.061157	-0.027702332	1811.904541
5/1/11 17:49	1519.621948	1807.890259	0.00138092	1811.978149	0.001953125	1811.676025	-0.408581734	1811.805176	-0.064533234	1812.053955	-0.020324707	1811.911987
5/1/11 17:59	1529.623169	1807.921753	0.017196655	1811.995117	0.047035217	1811.722168	-0.414963722	1811.799927	-0.06337738	1812.056152	-0.019226074	1811.913086
5/1/11 18:09	1539.619629	1807.890625	0.029922485	1812.007813	0.044960022	1811.720093	-0.417029381	1811.797852	-0.065296173	1812.054199	-0.028594971	1811.903687
5/1/11 18:19	1549.622559	1807.889648	0.006980896	1811.984863	0.014579773	1811.689697	-0.410650253	1811.803223	-0.058917999	1812.05957	-0.028549194	1811.903809
5/1/11 18:29	1559.610474	1807.881348	0.006980896	1811.983765	0.014579773	1811.688599	-0.425248146	1811.788574	-0.066249847	1812.052246	-0.036903381	1811.895386
5/1/11 18:39	1569.606567	1807.882446	0.000816345	1811.970337	0.015655518	1811.6604	-0.424193382	1811.789673	-0.072433472	1812.046021	-0.028511047	1811.903809
5/1/11 18:49	1579.605103	1807.889893	0.000915527	1811.977783	-0.013656616	1811.6604	-0.416938782	1811.796875	-0.072338104	1812.046143	-0.021141052	1811.911133
5/1/11 18:59	1589.605225	1807.888916	-0.007469177	1811.96936	-0.014717102	1811.659302	-0.425248146	1811.788574	-0.073390961	1812.045044	-0.029525757	1811.902832
5/1/11 19:09	1599.606445	1807.880737	-0.008422852	1811.990479	-0.030418396	1811.672974	-0.418867111	1811.794922	-0.07434845	1812.044189	-0.030540466	1811.901733
5/1/11 19:19	1609.600952	1807.880615	0.050102234	1812.026978	0.042900085	1811.716919	-0.426301956	1811.787476	-0.059780121	1812.058716	-0.023246765	1811.909058
5/1/11 19:29	1619.597168	1807.587036	-0.00138855	1811.975342	-0.030471802	1811.643555	-0.433473587	1811.780273	-0.074638367	1812.043701	-0.037963867	1811.894287
5/1/11 19:39	1629.599731	1807.871948	-0.009674072	1811.967163	-0.046165466	1811.642578	-0.427083969	1811.786743	-0.075595856	1812.042847	-0.038970947	1811.893311
5/1/11 19:49	1639.591675	1807.856567	-0.025192261	1811.95166	-0.047187805	1811.626831	-0.420747757	1811.793091	-0.08379364	1812.034668	-0.03994751	1811.892334
5/1/11 19:59	1649.584351	1807.870239	-0.026153564	1811.936035	-0.062911987	1811.611084	-0.43645668	1811.777344	-0.084751129	1812.033691	-0.048294067	1811.884033
5/1/11 20:09	1659.59436	1807.853516	-0.020927429	1811.941284	-0.0650177	1811.609009	-0.423826218	1811.790039	-0.086860657	1812.031616	-0.043075562	1811.889282
5/1/11 20:19	1669.585815	1807.858887	-0.037498474	1811.939331	-0.067092896	1811.606934	-0.433368683	1811.780396	-0.096088409	1812.022339	-0.059768677	1811.872559
5/1/11 20:29	1679.580811	1807.848389	-0.040763855	1811.936157	-0.070266724	1811.60376	-0.436534882	1811.777222	-0.091941833	1812.026489	-0.055633545	1811.876709
5/1/11 20:39	1689.576782	1807.840088	-0.0417099	1811.935059	-0.071311951	1811.602783	-0.430425644	1811.783447	-0.09299469	1812.025513	-0.063980103	1811.868286
5/1/11 20:49	1699.577759	1807.838867	-0.050186157	1811.926636	-0.101722717	1811.572266	-0.438601494	1811.775146	-0.101463318	1812.016968	-0.065086365	1811.867188
5/1/11 20:59	1709.586304	1807.82959	-0.052192688	1811.917236	-0.104873657	1811.57019	-0.441809654	1811.771973	-0.10452652	1812.013916	-0.067153931	1811.865112
5/1/11 21:09	1719.581299	1807.81189	-0.062591553	1811.90686	-0.121643066	1811.567017	-0.443875313	1811.777344	-0.106544495	1812.011963	-0.076545715	1811.855713
5/1/11 21:19	1729.581055	1807.817139	-0.306472778	1811.919434	-0.138404846	1811.550293	-0.438776016	1811.775024	-0.101341248	1812.01709	-0.072387695	1811.859863
5/1/11 21:29	1739.563477	1807.814941	-0.067871094	1811.910034	-0.126914978	1811.548218	-0.434415817	1811.780396	-0.119152069	1812.000366	-0.082885742	1811.849365
5/1/11 21:39	1749.560181	1807.796265	-0.078262329	1811.89856	-0.144714355	1811.529297	-0.444925308	1811.768921	-0.114887238	1812.00354	-0.078681946	1811.853638
5/1/11 21:49	1759.557617	1807.785767	-0.066764832	1811.910034	-0.133224487	1811.540771	-0.448179245	1811.765625	-0.110733032	1812.00769	-0.074508667	1811.857788
5/1/11 21:59	1769.557129	1807.784668	-0.082481384	1811.894287	-0.134284973	1811.539795	-0.441845894	1811.771973	-0.111789703	1812.006714	-0.082893372	1811.849365
5/1/11 22:09	1779.554077	1807.782715	-0.084487915	1811.892334	-0.165718079	1811.508301	-0.458599091	1811.755249	-0.113807678	1812.004639	-0.084968567	1811.84729
5/1/11 22:19	1789.557861	1807.78894	-0.093933105	1811.883911	-0.167823792	1811.507324	-0.445976257	1811.768921	-0.115917206	1812.00354	-0.078689575	1811.853638
5/1/11 22:29	1799.557373	1807.780518	-0.079277039	1811.890259	-0.167823792	1811.491577	-0.445976257	1811.767822	-0.115917206	1812.009888	-0.079742432	1811.852539
5/1/11 22:39	1809.55481	1807.786865	-0.087654114	1811.88916	-0.183532715	1811.505127	-0.447119713	1811.766724	-0.116970062	1812.001465	-0.080795288	1811.851563
5/1/11 22:49	1819.551758	1807.778564	-0.088615417	1811.888184	-0.169914246	1811.50415	-0.448220253	1811.765625	-0.117923737	1812.000488	-0.074485779	1811.857788
5/1/11 22:59	1829.546509	1807.777466	-0.104423523	1811.887085	-0.185638428	1811.488403	-0.449184418	1811.764648	-0.119083405	1811.99939	-0.08290863	1811.849365
5/1/11 23:09	1839.539307	1807.782715	-0.084442139	1811.892334	-0.158401489	1811.515625	-0.451112747	1811.762695	-0.121089935	1811.997314	-0.077651978	1811.854614
5/1/11 23:19	1849.550415	1807.774414	-0.312606812	1811.891357	-0.174133301	1811.499878	-0.43742466	1811.769043	-0.114807129	1812.003662	-0.071403503	1811.86084
5/1/11 23:29	1859.549072	1807.773315	-0.093887329	1811.882935	-0.175193787	1811.498779	-0.445824623	1811.775391	-0.1158638	1812.002563	-0.07975769	1811.852539
5/1/11 23:39	1869.531494	1807.772095	-0.109703064	1811.87439	-0.190917969	1811.497803	-0.45414257	1811.759644	-0.124355316	1811.994141	-0.088180542	1811.844116
5/1/11 23:49	1879.530762	1807.771851	-0.102661133	1811.866943	-0.190940857	1811.483154	-0.446880341	1811.766968	-0.124549866	1811.993896	-0.09563446	1811.83667
5/1/11 23:59	1889.539551	1807.771729	-0.095436096	1811.881348	-0.205657959	1811.468384	-0.439581871	1811.77417	-0.13205719	1811.993652	-0.095680237	1811.83667
5/2/11 0:09	1899.542114	1807.747559	-0.112205505	1811.8573	-0.193084717	1811.466309	-0.449033737	1811.764771	-0.134162903	1811.984253	-0.09778595	1811.834473
5/2/11 0:19	1909.532227	1807.746582	-0.120574951	1811.856201	-0.208816528	1811.46521	-0.457350731	1811.75647	-0.135215759	1811.983276	-0.106170654	1811.826172

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW20C_WLE	MW20D_WLD	MW20D_WLE	MW20E_WLD	MW20E_WLE	MW30A_WLD	MW30A_WLE	MW30C_WLD	MW30C_WLE	MW30D_WLD	MW30D_WLE
5/2/11 0:29	1919.529785	1807.752319	-0.107284546	1811.869385	-0.195236206	1811.47876	-0.451098442	1811.762695	-0.129253387	1811.989136	-0.100059509	1811.832275
5/2/11 0:39	1929.521362	1807.742554	-0.117118835	1811.859741	-0.226768494	1811.447266	-0.453255653	1811.753296	-0.139064789	1811.994019	-0.102287292	1811.830078
5/2/11 0:49	1939.518555	1807.741821	-0.110542297	1811.858887	-0.227775574	1811.446289	-0.45435524	1811.759399	-0.139827728	1811.978638	-0.09588623	1811.836426
5/2/11 0:59	1949.516357	1807.740234	-0.111213684	1811.864502	-0.229827881	1811.458862	-0.449119568	1811.757324	-0.134235382	1811.984253	-0.111442566	1811.820801
5/2/11 1:09	1959.508789	1807.733276	-0.111961365	1811.864868	-0.21509552	1811.458984	-0.449119568	1811.764648	-0.133945465	1811.984497	-0.105049133	1811.827271
5/2/11 1:19	1969.519775	1807.746948	-0.127563477	1811.849243	-0.230819702	1811.457886	-0.435479164	1811.770996	-0.142215729	1811.983521	-0.106063843	1811.826294
5/2/11 1:29	1979.518677	1807.739502	-0.120346069	1811.856445	-0.216148376	1811.457886	-0.435341835	1811.771118	-0.135002136	1811.983398	-0.106109619	1811.826172
5/2/11 1:39	1989.518921	1807.7323	-0.112922668	1811.849243	-0.216140747	1811.457886	-0.45003891	1811.763794	-0.127571106	1811.983521	-0.098731995	1811.833618
5/2/11 1:49	1999.516846	1807.739868	-0.105392456	1811.87146	-0.201431274	1811.457886	-0.44277668	1811.778442	-0.127372742	1811.991089	-0.098655701	1811.833618
5/2/11 1:59	2009.499146	1807.747192	-0.105392456	1811.87146	-0.230781555	1811.428589	-0.450264931	1811.76355	-0.127372742	1811.983765	-0.097595215	1811.834717
5/2/11 2:09	2019.507568	1807.741089	-0.104141235	1811.872681	-0.215026855	1811.444336	-0.44199276	1811.764526	-0.133457184	1811.984985	-0.097511292	1811.834839
5/2/11 2:19	2029.502441	1807.734863	-0.110420227	1811.873779	-0.243293762	1811.460083	-0.433595657	1811.780273	-0.125068665	1811.993408	-0.096458435	1811.835815
5/2/11 2:29	2039.500854	1807.734863	-0.103088379	1811.873779	-0.199287415	1811.474731	-0.440804482	1811.772949	-0.125068665	1811.993408	-0.096458435	1811.835815
5/2/11 2:39	2049.498047	1807.741089	-0.104141235	1811.645508	-0.229698181	1811.444336	-0.441947937	1811.779175	-0.118785858	1811.999634	-0.082885742	1811.849365
5/2/11 2:49	2059.484375	1807.742188	-0.103088379	1811.888428	-0.21396637	1811.474731	-0.433505058	1811.780273	-0.117733002	1812.000732	-0.089126587	1811.84314
5/2/11 2:59	2069.48291	1807.734985	-0.0883255	1811.888428	-0.213951111	1811.460083	-0.426205635	1811.787598	-0.117637634	1812.000854	-0.096420288	1811.835938
5/2/11 3:09	2079.496338	1807.734985	-0.322761536	1811.654053	-0.184623718	1811.48938	-0.433369637	1811.780396	-0.117637634	1811.99353	-0.08908844	1811.843262
5/2/11 3:19	2089.478027	1807.733887	-0.096710205	1811.887451	-0.200325012	1811.473755	-0.434513092	1811.779297	-0.111358643	1812.00708	-0.075508118	1811.856812
5/2/11 3:29	2099.477783	1807.723389	-0.085334778	1811.884155	-0.218185425	1811.470581	-0.430289268	1811.783569	-0.114624023	1812.003784	-0.086051941	1811.846191
5/2/11 3:39	2109.487549	1807.441895	-0.300865173	1811.888428	-0.20665741	1811.467407	-0.41866684	1811.780396	-0.110355377	1812.008057	-0.081840515	1811.850464
5/2/11 3:49	2119.486084	1807.724365	-0.084335327	1811.885132	-0.209838867	1811.449463	-0.4146595	1811.799194	-0.098972321	1812.019531	-0.070381165	1811.861938
5/2/11 3:59	2129.496338	1807.711792	-0.07485199	1811.901978	-0.200439453	1811.473633	-0.427241325	1811.785522	-0.104148865	1812.013184	-0.075614929	1811.856689
5/2/11 4:09	2139.475342	1807.719116	-0.07485199	1811.909302	-0.185768127	1811.473633	-0.419935226	1811.793823	-0.104148865	1812.006958	-0.060966492	1811.871338
5/2/11 4:19	2149.474121	1807.716797	-0.069824219	1811.906982	-0.187904358	1811.486084	-0.421860695	1811.791992	-0.09180069	1812.026611	-0.055847168	1811.876465
5/2/11 4:29	2159.470703	1807.717896	-0.287467957	1811.688232	-0.194229126	1811.479858	-0.413503647	1811.800293	-0.090702057	1812.02771	-0.061073303	1811.871216
5/2/11 4:39	2169.468018	1807.704468	-0.052932739	1811.923828	-0.163825989	1811.510254	-0.427092552	1811.786743	-0.096881866	1812.021606	-0.061035156	1811.871216
5/2/11 4:49	2179.46875	1807.710693	-0.053985596	1811.915527	-0.164878845	1811.494507	-0.420893669	1811.792969	-0.090606689	1812.020508	-0.062088013	1811.870239
5/2/11 4:59	2189.466309	1807.710815	-0.053894043	1811.922974	-0.151229858	1811.523804	-0.429336548	1811.792847	-0.098892212	1812.027954	-0.054718018	1811.877563
5/2/11 5:09	2199.45874	1807.717163	-0.062255859	1811.914551	-0.165916443	1811.508057	-0.414693832	1811.799072	-0.098892212	1812.019531	-0.063102722	1811.869141
5/2/11 5:19	2209.455322	1807.706543	-0.05821228	1811.918579	-0.183776855	1811.490234	-0.417816162	1811.803345	-0.087493896	1812.023682	-0.058982849	1811.873291
5/2/11 5:29	2219.459473	1807.705566	-0.051841736	1811.917603	-0.184814453	1811.503906	-0.404309273	1811.809448	-0.0884552	1812.030029	-0.059997559	1811.872314
5/2/11 5:39	2229.449707	1807.712891	-0.051841736	1811.924927	-0.170135498	1811.503906	-0.411517143	1811.802246	-0.095787048	1812.022705	-0.067329407	1811.86499
5/2/11 5:49	2239.445801	1807.705688	-0.066383362	1811.9104	-0.155433655	1811.518555	-0.426260948	1811.802246	-0.088356018	1812.022705	-0.059959412	1811.872314
5/2/11 5:59	2249.452881	1807.706787	-0.058013916	1811.918823	-0.198394775	1811.475586	-0.410553932	1811.803223	-0.09463501	1812.023804	-0.058906555	1811.873413
5/2/11 6:09	2259.451416	1807.713013	-0.051742554	1811.925049	-0.155433655	1811.518555	-0.411517143	1811.802246	-0.095691681	1812.030151	-0.06729126	1811.86499
5/2/11 6:19	2269.447021	1807.706665	-0.050788879	1811.926025	-0.169082642	1811.505005	-0.410417557	1811.803345	-0.087398529	1812.031006	-0.058944702	1811.873413
5/2/11 6:29	2279.442139	1807.712891	-0.044509888	1811.917603	-0.170135498	1811.489258	-0.404083252	1811.809692	-0.0884552	1812.030029	-0.059997559	1811.872314
5/2/11 6:39	2289.440186	1807.687744	-0.055000305	1811.921875	-0.173294067	1811.500732	-0.414588928	1811.799194	-0.09161377	1812.026855	-0.05582428	1811.876465
5/2/11 6:49	2299.436523	1807.700195	-0.042564392	1811.934204	-0.175430298	1811.498657	-0.416837692	1811.811646	-0.079177856	1812.039307	-0.05065155	1811.881592
5/2/11 6:59	2309.432129	1807.7052	-0.044876099	1811.931885	-0.148231506	1811.525757	-0.404395103	1811.809448	-0.081481934	1812.036987	-0.052841187	1811.886719
5/2/11 7:09	2319.422119	1807.707031	-0.035423279	1811.941406	-0.167259216	1811.506836	-0.393871307	1811.827271	-0.072006226	1812.039063	-0.042808533	1811.889526
5/2/11 7:19	2329.419678	1807.70813	-0.018127441	1811.957642	-0.09752655	1811.576538	-0.397037506	1811.816772	-0.070384979	1812.048096	-0.025039673	1811.907227
5/2/11 7:29	2339.431396	1807.692993	-0.004821777	1811.972046	-0.074729919	1811.599365	-0.388715744	1811.825073	-0.055980682	1812.0625	-0.024559021	1811.907715
5/2/11 7:39	2349.41333	1807.705078	-6.10E-05	1811.976807	-0.063110352	1811.610962	-0.384850502	1811.843628	-0.051231384	1812.067261	-0.0128479	1811.919434
5/2/11 7:49	2359.411865	1807.703003	-0.001113892	1811.974609	-0.064163208	1811.608765	-0.371387482	1811.841309	-0.052284241	1812.065063	-0.013900757	1811.918457
5/2/11 7:59	2369.42627	1807.70105	0.00315094	1811.97998	-0.051582336	1811.621338	-0.381070137	1811.832764	-0.039646149	1812.078857	-0.00970459	1811.922607
5/2/11 8:09	2379.420898	1807.699463	0.001533508	1811.978394	-0.054679871	1811.619385	-0.376980782	1811.836792	-0.049663544	1812.068848	-0.011604309	1811.920654
5/2/11 8:19	2389.417236	1807.704468	-0.000946045	1811.97583	-0.087081909	1811.586914	-0.372749329	1811.841064	-0.044811249	1812.073608	-0.007156372	1811.925171

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW20C_WLE	MW20D_WLD	MW20D_WLE	MW20E_WLD	MW20E_WLE	MW30A_WLD	MW30A_WLE	MW30C_WLD	MW30C_WLE	MW30D_WLD	MW30D_WLE
5/2/11 8:29	2399.406738	1807.708618	-0.011108398	1811.965698	-0.059066772	1811.61499	-0.373983383	1811.839844	-0.054950714	1812.063477	-0.008934021	1811.92334
5/2/11 8:39	2409.401611	1807.703125	-0.009246826	1811.967529	-0.079040527	1811.594971	-0.379439354	1811.834351	-0.06042099	1812.06543	-0.006958008	1811.925293
5/2/11 8:49	2419.400879	1807.706421	0.009651184	1811.985352	-0.03818512	1811.620117	-0.368458748	1811.844238	-0.056152344	1812.061279	0.004547119	1811.93689
5/2/11 8:59	2429.402588	1807.697998	0.022209167	1811.999023	-0.025650024	1811.663086	-0.370026588	1811.836426	-0.043617249	1812.074829	0.009773254	1811.942139
5/2/11 9:09	2439.40332	1807.703613	0.028083801	1812.004761	-0.041435242	1811.632568	-0.378334999	1811.835449	-0.045162201	1812.073242	0.001228333	1811.933594
5/2/11 9:19	2449.401367	1807.703003	0.012565613	1811.98938	-0.042442322	1811.631592	-0.364690781	1811.849121	-0.045917511	1812.07251	0.007583618	1811.939941
5/2/11 9:29	2459.397217	1807.715088	0.002830505	1811.979614	-0.029945374	1811.644043	-0.36666584	1811.847168	-0.048324585	1812.070068	-0.009300232	1811.922974
5/2/11 9:39	2469.395752	1807.698486	0.015312195	1811.992188	-0.047607422	1811.626465	-0.362804413	1811.850952	-0.043182373	1812.075317	-0.004745483	1811.927612
5/2/11 9:49	2479.39209	1807.704346	0.013702393	1811.990479	-0.034980774	1811.639038	-0.357560158	1811.856201	-0.044803619	1812.073608	0.000679016	1811.932983
5/2/11 9:59	2489.388672	1807.709839	0.026695251	1812.00354	-0.021461487	1811.652588	-0.365831375	1811.8479	-0.039112091	1812.079346	-0.000617981	1811.931641
5/2/11 10:09	2499.385254	1807.710938	-0.001716614	1811.975098	-0.035995483	1811.65271	-0.343881607	1811.869873	-0.045570374	1812.072876	-0.000259399	1811.932007
5/2/11 10:19	2509.378174	1807.719238	0.020179749	1811.998047	0.007995605	1811.683105	-0.351089478	1811.855347	-0.031002045	1812.087402	0.021682739	1811.953979
5/2/11 10:29	2519.37793	1807.71521	0.039337158	1812.016113	-0.008872986	1811.665161	-0.35401535	1811.859741	-0.026477814	1812.092041	0.019294739	1811.95166
5/2/11 10:39	2529.375244	1807.713135	0.030067444	1812.006836	0.004577637	1811.678589	-0.354393005	1811.859375	-0.03572464	1812.082764	0.010559082	1811.942871
5/2/11 10:49	2539.369141	1807.719238	0.036247253	1812.020386	-0.0258255	1811.662842	-0.355898857	1811.85791	-0.036876678	1812.081543	0.009468079	1811.941772
5/2/11 10:59	2549.376465	1807.713867	0.016021729	1811.992798	-0.009979248	1811.664063	-0.354798317	1811.859009	-0.035140991	1812.083252	0.003463745	1811.935791
5/2/11 11:09	2559.382324	1807.714111	0.022567749	1812.000488	-0.010986328	1811.664063	-0.340886116	1811.874023	-0.035903931	1812.083618	0.017181396	1811.949463
5/2/11 11:19	2569.375244	1807.713135	0.037330627	1812.014038	0.018333435	1811.692383	-0.3481493	1811.865723	-0.021152496	1812.097168	0.024551392	1811.956909
5/2/11 11:29	2579.378662	1807.712524	0.043899536	1812.020752	0.017326355	1811.691406	-0.34184742	1811.871948	-0.014598846	1812.103882	0.031990051	1811.964355
5/2/11 11:39	2589.356445	1807.717773	0.034797668	1812.011597	0.046409607	1811.720459	-0.335000992	1811.878784	-0.016349792	1812.102051	0.030212402	1811.962524
5/2/11 11:49	2599.36792	1807.706787	0.037231445	1812.015137	0.018310547	1811.693359	-0.340886116	1811.872925	-0.013935089	1812.104492	0.024513245	1811.956787
5/2/11 11:59	2609.36499	1807.713257	0.022674561	1811.999512	0.018333435	1811.692383	-0.348238945	1811.865601	-0.021152496	1812.09729	0.039207458	1811.971558
5/2/11 12:09	2619.362305	1807.720215	0.037231445	1812.013794	0.003662109	1811.677734	-0.333812714	1811.880005	-0.013935089	1812.10437	0.03288269	1811.964111
5/2/11 12:19	2629.360352	1807.713989	0.036933899	1812.014893	0.032943726	1811.708008	-0.333722115	1811.880127	-0.014225006	1812.10437	0.031707764	1811.963989
5/2/11 12:29	2639.361328	1807.713135	0.044555664	1812.021362	0.018310547	1811.692383	-0.326234818	1811.887573	-0.006603241	1812.111816	0.03288269	1811.96521
5/2/11 12:39	2649.344482	1807.723633	0.033065796	1812.009888	0.021484375	1811.695557	-0.344890594	1811.868896	0.003894806	1812.122314	0.034996033	1811.967285
5/2/11 12:49	2659.339355	1807.725708	0.048614502	1812.026489	0.006973267	1811.682007	-0.32297802	1811.891846	-0.00989151	1812.109619	0.035354614	1811.967651
5/2/11 12:59	2669.335938	1807.724487	0.048416138	1812.025269	0.021591187	1811.695679	-0.330329895	1811.883545	-0.01008606	1812.108398	0.03527832	1811.967529
5/2/11 13:09	2679.333984	1807.740601	0.065574646	1812.041382	0.053131104	1811.726074	-0.320685387	1811.893066	-0.000259399	1812.118164	0.03754425	1811.969849
5/2/11 13:19	2689.345459	1807.74292	0.066833496	1812.043701	0.054214478	1811.728271	-0.312378883	1811.901367	0.008323669	1812.126831	0.053344727	1811.985596
5/2/11 13:29	2699.345703	1807.737183	0.067230225	1812.045044	0.068946838	1811.744019	-0.312378883	1811.901367	0.008712769	1812.127197	0.061897278	1811.993164
5/2/11 13:39	2709.337891	1807.744873	0.076225281	1812.052979	0.071891785	1811.745972	-0.309167862	1811.904663	0.017749786	1812.13623	0.070716858	1812.003052
5/2/11 13:49	2719.338135	1807.755859	0.071250916	1812.049072	0.087791443	1811.762939	-0.308112144	1811.906738	0.012741089	1812.132202	0.066040039	1811.998291
5/2/11 13:59	2729.335693	1807.756592	0.080474854	1812.057251	0.104515076	1811.778564	-0.305912018	1811.907959	0.021987915	1812.140381	0.081642151	1812.013916
5/2/11 14:09	2739.329102	1807.759766	0.083473206	1812.060303	0.077476501	1811.751465	-0.311057091	1811.90271	0.024974823	1812.143433	0.069488525	1812.001831
5/2/11 14:19	2749.330811	1807.76062	0.077804565	1812.053711	0.107910156	1811.780884	-0.302612305	1811.910156	0.026607513	1812.144043	0.077041626	1812.009399
5/2/11 14:29	2759.324219	1807.761475	0.077713013	1812.054565	0.078605652	1811.752686	-0.31004715	1811.903809	0.026512146	1812.14502	0.070732117	1812.003052
5/2/11 14:39	2769.327148	1807.762207	0.086219788	1812.062988	0.096107483	1811.770142	-0.292238235	1811.921631	0.027729034	1812.14624	0.073097229	1812.005371
5/2/11 14:49	2779.323975	1807.781372	0.097625732	1812.074463	0.113174438	1811.787231	-0.297383308	1811.916382	0.04643631	1812.164917	0.083328247	1812.015625
5/2/11 14:59	2789.320557	1807.768311	0.113838196	1812.090698	0.114303589	1811.78833	-0.296327591	1811.91748	0.040664673	1812.15918	0.091896057	1812.02417
5/2/11 15:09	2799.305176	1807.769043	0.100891113	1812.076782	0.116348267	1811.789307	-0.294219017	1811.918579	0.042381287	1812.159912	0.093841553	1812.026123
5/2/11 15:19	2809.324219	1807.769775	0.101745605	1812.077515	0.101676941	1811.775757	-0.29485321	1811.920044	0.049503326	1812.169067	0.072860718	1812.005127
5/2/11 15:29	2819.321045	1807.780273	0.097747803	1812.073486	0.092163086	1811.765137	-0.303684235	1811.909058	0.046585083	1812.16394	0.082992554	1812.015259
5/2/11 15:39	2829.304688	1807.783203	0.106826782	1812.083618	0.093322754	1811.767334	-0.295597076	1811.918213	0.040988922	1812.159424	0.085388184	1812.018799
5/2/11 15:49	2839.297363	1807.786987	0.11782074	1812.094604	0.125854492	1811.799927	-0.284679413	1811.929077	0.05197525	1812.17041	0.096069336	1812.02832
5/2/11 15:59	2849.302002	1807.793945	0.102958679	1812.079712	0.125831604	1811.799805	-0.292023659	1811.921753	0.05909729	1812.17749	0.082389832	1812.013672
5/2/11 16:09	2859.29541	1807.786743	0.102958679	1812.079834	0.140518188	1811.814575	-0.292203903	1811.921631	0.051780701	1812.170288	0.095985413	1812.02832
5/2/11 16:19	2869.293457	1807.771729	0.095344543	1812.072144	0.096481323	1811.770508	-0.2924757	1811.921387	0.051490784	1812.169922	0.081214905	1812.01355

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW20C_WLE	MW20D_WLD	MW20D_WLE	MW20E_WLD	MW20E_WLE	MW30A_WLD	MW30A_WLE	MW30C_WLD	MW30C_WLE	MW30D_WLD	MW30D_WLE
5/2/11 16:29	2879.296631	1807.781982	0.092033386	1812.067749	0.086006165	1811.759033	-0.295789719	1811.917969	0.040847778	1812.159302	0.085357666	1812.0177
5/2/11 16:30	2879.983643	1807.775635	0.092033386	1812.083496	0.086006165	1811.774658	-0.303133965	1811.910645	0.048179626	1812.166626	0.078025818	1812.010376
5/2/11 16:30	2880.150391	1807.780884	0.089927673	1812.066772	0.083892822	1811.757935	-0.305241585	1811.908569	0.038742065	1812.157227	0.075920105	1812.008179
5/2/11 16:30	2880.317627	1807.780884	0.089927673	1812.066772	0.083892822	1811.772583	-0.297897339	1811.908569	0.046070099	1812.149902	0.075920105	1812.008179
5/2/11 16:30	2880.48584	1807.77356	0.104568481	1812.081421	0.084945679	1811.757935	-0.304141998	1811.908569	0.032463074	1812.149902	0.075920105	1812.008179
5/2/11 16:30	2880.652588	1807.766235	0.082595825	1812.066772	0.098571777	1811.757935	-0.305196762	1811.908569	0.046070099	1812.164551	0.083244324	1812.015503
5/2/11 16:31	2880.820313	1807.773682	0.090026855	1812.066895	0.083908081	1811.757935	-0.305196762	1811.908569	0.046169281	1812.164673	0.0832901	1812.015625
5/2/11 16:31	2880.987305	1807.781006	0.082702637	1812.05957	0.083908081	1811.757935	-0.305196762	1811.908569	0.038837433	1812.164673	0.0832901	1812.015625
5/2/11 16:31	2881.154541	1807.773804	0.083854675	1812.05957	0.098594666	1811.772583	-0.305196762	1811.908569	0.046264648	1812.164673	0.084381104	1812.016724
5/2/11 16:31	2881.322754	1807.767578	0.090126038	1812.067993	0.069229126	1811.744385	-0.305196762	1811.909668	0.0389328	1812.158447	0.075996399	1812.008301
5/2/11 16:31	2881.489746	1807.773804	0.082702637	1812.05957	0.069221497	1811.743286	-0.305196762	1811.909668	0.038837433	1812.158325	0.0832901	1812.015625
5/2/11 16:31	2881.656982	1807.773682	0.090026855	1812.074219	0.083908081	1811.772583	-0.305196762	1811.908569	0.046169281	1812.164673	0.075958252	1812.008301
5/2/11 16:32	2881.825195	1807.767456	0.104675293	1812.08252	0.084968567	1811.759033	-0.296797752	1811.916992	0.039894104	1812.158325	0.090621948	1812.022949
5/2/11 16:32	2881.992432	1807.774902	0.098510742	1812.075317	0.099655151	1811.773682	-0.304097176	1811.909668	0.04732132	1812.165771	0.084381104	1812.016724
5/2/11 16:32	2882.159912	1807.766479	0.091186523	1812.066895	0.070289612	1811.743286	-0.289445877	1811.924316	0.039989471	1812.158447	0.077049255	1812.009399
5/2/11 16:32	2882.326904	1807.781128	0.091186523	1812.066895	0.084976196	1811.757935	-0.296797752	1811.916016	0.039989471	1812.157349	0.091720581	1812.024048
5/2/11 16:32	2882.494141	1807.774902	0.090126038	1812.067993	0.08391571	1811.759033	-0.297852516	1811.916992	0.046264648	1812.165771	0.075996399	1812.008301
5/2/11 16:32	2882.661865	1807.766479	0.091186523	1812.066895	0.099655151	1811.772583	-0.29675293	1811.916016	0.04732132	1812.164673	0.084381104	1812.016724
5/2/11 16:33	2882.829346	1807.774902	0.098510742	1812.075317	0.099655151	1811.773682	-0.304097176	1811.909668	0.039989471	1812.158447	0.084381104	1812.016724
5/2/11 16:33	2882.996582	1807.774902	0.105827332	1812.075317	0.099655151	1811.759033	-0.289445877	1811.924316	0.04732132	1812.165771	0.084381104	1812.016724
5/2/11 16:33	2883.163818	1807.7677	0.105926514	1812.082764	0.09967041	1811.773682	-0.296707153	1811.916016	0.032752991	1812.150146	0.091758728	1812.024048
5/2/11 16:33	2883.331543	1807.775024	0.097557068	1812.082764	0.083938599	1811.78833	-0.297761917	1811.917114	0.046360016	1812.165894	0.098014832	1812.030273
5/2/11 16:33	2883.499268	1807.7677	0.098617554	1812.082764	0.09967041	1811.773682	-0.296662331	1811.924438	0.047416687	1812.165894	0.091758728	1812.024048
5/2/11 16:33	2883.666992	1807.7677	0.098617554	1812.075439	0.084991455	1811.759033	-0.296662331	1811.917114	0.047416687	1812.165894	0.091758728	1812.024048
5/2/11 16:34	2883.834717	1807.7677	0.105926514	1812.082764	0.114318848	1811.78833	-0.296617508	1811.924561	0.047416687	1812.173218	0.091758728	1812.024048
5/2/11 16:34	2884.001953	1807.775024	0.113258362	1812.090088	0.114318848	1811.78833	-0.289310455	1811.924561	0.047416687	1812.165894	0.099075317	1812.031372
5/2/11 16:34	2884.168701	1807.7677	0.113258362	1812.097412	0.084991455	1811.759033	-0.289310455	1811.924561	0.047416687	1812.165894	0.091758728	1812.024048
5/2/11 16:34	2884.336182	1807.775024	0.105926514	1812.082764	0.09967041	1811.773682	-0.289310455	1811.924561	0.05475235	1812.173218	0.091758728	1812.024048
5/2/11 16:34	2884.503662	1807.767822	0.106025696	1812.082886	0.114341736	1811.78833	-0.289265633	1811.917236	0.054847717	1812.17334	0.099113464	1812.031372
5/2/11 16:34	2884.671631	1807.767822	0.106025696	1812.082886	0.114341736	1811.78833	-0.296571732	1811.917236	0.054847717	1812.17334	0.099113464	1812.031372
5/2/11 16:35	2884.839844	1807.775024	0.105926514	1812.090088	0.114318848	1811.773682	-0.289219856	1811.924561	0.05475235	1812.173218	0.106384277	1812.038696
5/2/11 16:35	2884.990479	1807.775146	0.113349915	1812.09021	0.099685669	1811.773682	-0.281921387	1811.924561	0.062164307	1812.17334	0.099113464	1812.031372
5/2/11 16:35	2885.157959	1807.775146	0.106025696	1812.082886	0.128982544	1811.802979	-0.296526909	1811.917236	0.062164307	1812.180664	0.099113464	1812.031372
5/2/11 16:35	2885.326172	1807.775146	0.113349915	1812.09021	0.128982544	1811.802979	-0.289219856	1811.924561	0.047515869	1812.166016	0.106422424	1812.038696
5/2/11 16:35	2885.493652	1807.775146	0.120681763	1812.097534	0.114341736	1811.78833	-0.289219856	1811.924561	0.062164307	1812.180664	0.099113464	1812.031372
5/2/11 16:35	2885.661133	1807.767822	0.128013611	1812.104858	0.099685669	1811.773682	-0.28187561	1811.931885	0.062164307	1812.180664	0.106422424	1812.038696
5/2/11 16:36	2885.829102	1807.775269	0.120788574	1812.097656	0.099708557	1811.773682	-0.281829834	1811.932007	0.062263489	1812.180664	0.106468201	1812.038818
5/2/11 16:36	2885.997314	1807.767944	0.128112793	1812.10498	0.114356995	1811.802979	-0.281829834	1811.932007	0.062263489	1812.180664	0.106468201	1812.038818
5/2/11 16:36	2886.164795	1807.775269	0.135429382	1812.112305	0.127944946	1811.802979	-0.275539398	1811.939331	0.068534851	1812.187988	0.106468201	1812.038818
5/2/11 16:36	2886.332275	1807.767944	0.113456726	1812.10498	0.128997803	1811.78833	-0.28187561	1811.931885	0.069591522	1812.187988	0.113800049	1812.046143
5/2/11 16:36	2886.5	1807.767944	0.135429382	1812.112305	0.128997803	1811.802979	-0.267223358	1811.946533	0.076927185	1812.195435	0.106468201	1812.038818
5/2/11 16:36	2886.666992	1807.775146	0.120681763	1812.097534	0.099685669	1811.773682	-0.267223358	1811.946533	0.069496155	1812.195313	0.099113464	1812.031372
5/2/11 16:37	2886.834473	1807.767944	0.128112793	1812.10498	0.128997803	1811.802979	-0.274531364	1811.939331	0.076927185	1812.195435	0.106468201	1812.038818
5/2/11 16:37	2887.001465	1807.775269	0.135429382	1812.112305	0.099708557	1811.773682	-0.274531364	1811.946533	0.076927185	1812.195435	0.113800049	1812.046143
5/2/11 16:37	2887.168457	1807.775269	0.128112793	1812.10498	0.114356995	1811.78833	-0.267177582	1811.946655	0.076927185	1812.195435	0.121131897	1812.053467
5/2/11 16:37	2887.336426	1807.775269	0.135429382	1812.112305	0.130058289	1811.802979	-0.258734703	1811.953979	0.077980042	1812.195435	0.113800049	1812.046143
5/2/11 16:37	2887.503662	1807.776245	0.135429382	1812.113281	0.115409851	1811.789429	-0.251390457	1811.955078	0.085296631	1812.196411	0.113800049	1812.046143
5/2/11 16:37	2887.670654	1807.769043	0.135520935	1812.113403	0.114364624	1811.789429	-0.252398491	1811.962402	0.084342957	1812.203857	0.121170044	1812.053467

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW20C_WLE	MW20D_WLD	MW20D_WLE	MW20E_WLD	MW20E_WLE	MW30A_WLD	MW30A_WLE	MW30C_WLD	MW30C_WLE	MW30D_WLD	MW30D_WLE
5/2/11 16:38	2887.838623	1807.775269	0.135429382	1812.112305	0.128997803	1811.802979	-0.267086983	1811.946777	0.084243774	1812.202637	0.121131897	1812.053467
5/2/11 16:38	2888.005615	1807.775391	0.135429382	1812.119629	0.114356995	1811.817749	-0.259697914	1811.9552	0.084243774	1812.203735	0.121131897	1812.053467
5/2/11 16:38	2888.172607	1807.775391	0.135520935	1812.112305	0.129005432	1811.802979	-0.252398491	1811.961426	0.084342957	1812.202759	0.128501892	1812.060791
5/2/11 16:38	2888.340088	1807.768066	0.142967224	1812.119751	0.143714905	1811.817749	-0.245046616	1811.96875	0.084438324	1812.202881	0.12121582	1812.053467
5/2/11 16:38	2888.507813	1807.775391	0.135520935	1812.126953	0.129005432	1811.802979	-0.252352715	1811.961426	0.09167099	1812.210083	0.128501892	1812.060791
5/2/11 16:38	2888.675293	1807.775391	0.135520935	1812.112305	0.129005432	1811.802979	-0.252352715	1811.961426	0.09167099	1812.210083	0.128501892	1812.060791
5/2/11 16:39	2888.843018	1807.768066	0.150283813	1812.119751	0.114379883	1811.788452	-0.252352715	1811.961426	0.09910202	1812.217529	0.128547668	1812.060791
5/2/11 16:39	2889.01123	1807.768066	0.142967224	1812.119751	0.143714905	1811.817749	-0.245000839	1811.96875	0.09910202	1812.217529	0.128547668	1812.060791
5/2/11 16:39	2889.162354	1807.766968	0.142967224	1812.118652	0.143714905	1811.81665	-0.245000839	1811.967773	0.09910202	1812.216431	0.128547668	1812.060791
5/2/11 16:39	2889.32959	1807.782837	0.17225647	1812.149048	0.143714905	1811.817749	-0.237656593	1811.976196	0.091766357	1812.210205	0.135879517	1812.068237
5/2/11 16:39	2889.49707	1807.760742	0.156455994	1812.126953	0.127952576	1811.817749	-0.231403351	1811.983398	0.10528183	1812.224854	0.134780884	1812.067139
5/2/11 16:39	2889.664307	1807.775513	0.150283813	1812.127075	0.143714905	1811.817749	-0.245000839	1811.96875	0.09910202	1812.217529	0.135879517	1812.068237
5/2/11 16:40	2889.832275	1807.760742	0.142868042	1812.119629	0.143692017	1811.817749	-0.244956017	1811.976196	0.099006653	1812.224854	0.13583374	1812.068115
5/2/11 16:41	2891.508057	1807.775269	0.156455994	1812.134277	0.143684387	1811.817749	-0.215615273	1811.998169	0.120891571	1812.23938	0.149414063	1812.081665
5/2/11 16:43	2893.16748	1807.766846	0.16368866	1812.140503	0.157310486	1811.831299	-0.202108383	1812.012695	0.134498596	1812.254028	0.164039612	1812.096313
5/2/11 16:45	2894.841064	1807.766724	0.179397583	1812.155029	0.158363342	1811.831299	-0.171614647	1812.042236	0.142871857	1812.26123	0.15776062	1812.090088
5/2/11 16:46	2896.497559	1807.775269	0.179298401	1812.15625	0.172996521	1811.847046	-0.149618149	1812.064209	0.157440186	1812.275879	0.179702759	1812.112061
5/2/11 16:48	2898.169922	1807.767822	0.179298401	1812.156128	0.158348083	1811.847046	-0.120359421	1812.086182	0.157440186	1812.275879	0.187034607	1812.119385
5/2/11 16:50	2899.843506	1807.775269	0.194038391	1812.163574	0.187660217	1811.861694	-0.098407745	1812.115356	0.172199249	1812.290649	0.187072754	1812.119385
5/2/11 16:51	2901.503418	1807.7677	0.201171875	1812.16333	0.172996521	1811.847046	-0.076412201	1812.137451	0.179420471	1812.297729	0.194313049	1812.126587
5/2/11 16:53	2903.176758	1807.760498	0.187667847	1812.163452	0.158348083	1811.817749	-0.04711628	1812.166748	0.179420471	1812.297852	0.195404053	1812.127686
5/2/11 16:55	2904.835693	1807.767822	0.194992065	1812.170776	0.172996521	1811.861694	-0.039899826	1812.17395	0.179420471	1812.297852	0.210067749	1812.142334
5/2/11 16:56	2906.510254	1807.760376	0.201271057	1812.177979	0.187637329	1811.861694	-0.010558128	1812.203247	0.194072723	1812.3125	0.201683044	1812.134033
5/2/11 16:58	2908.16748	1807.760376	0.201171875	1812.170654	0.18762207	1811.861694	0.004047394	1812.217896	0.193973541	1812.312378	0.201644897	1812.133911
5/2/11 17:00	2909.848389	1807.775146	0.193939209	1812.178101	0.188697815	1811.861694	0.005146027	1812.22522	0.19512558	1812.3125	0.210067749	1812.141357
5/2/11 17:01	2911.50415	1807.775024	0.208503723	1812.185303	0.18762207	1811.861694	0.026089668	1812.239868	0.201305389	1812.319824	0.208976746	1812.141235
5/2/11 17:03	2913.175781	1807.760254	0.193740845	1812.170532	0.172958374	1811.847046	0.040649414	1812.269165	0.186561584	1812.319702	0.201599121	1812.133911
5/2/11 17:05	2914.830811	1807.760864	0.200775146	1812.178589	0.20224762	1811.877319	0.062556267	1812.276367	0.200912476	1812.319336	0.223464966	1812.155762
5/2/11 17:06	2916.507813	1807.760864	0.187171936	1812.16394	0.173973083	1811.848022	0.070871353	1812.284668	0.201965332	1812.320435	0.224517822	1812.15686
5/2/11 17:08	2918.165527	1807.760864	0.201828003	1812.186035	0.188613892	1811.862671	0.078170776	1812.291992	0.201965332	1812.320435	0.224517822	1812.15686
5/2/11 17:10	2919.839355	1807.768188	0.209159851	1812.171265	0.203300476	1811.862671	0.085433006	1812.306641	0.209300995	1812.327759	0.224517822	1812.15686
5/2/11 17:11	2921.49707	1807.76709	0.193351746	1812.17749	0.188598633	1811.861572	0.100031853	1812.312744	0.209201813	1812.333984	0.223419189	1812.155762
5/2/11 17:13	2923.171387	1807.767212	0.201828003	1812.177612	0.203300476	1811.876221	0.114728928	1812.328491	0.209300995	1812.327759	0.224517822	1812.15686
5/2/11 17:15	2924.830078	1807.760864	0.200775146	1812.178589	0.188613892	1811.862671	0.136769295	1812.349487	0.216629028	1812.333984	0.230781555	1812.164185
5/2/11 17:16	2926.505615	1807.767334	0.208206177	1812.185059	0.202262878	1811.890991	0.128372192	1812.342163	0.215679169	1812.326782	0.230819702	1812.163086
5/2/11 17:18	2928.177979	1807.760132	0.208305359	1812.185059	0.202285767	1811.876343	0.150279045	1812.356689	0.215774536	1812.326904	0.230857849	1812.163208
5/2/11 17:20	2929.83374	1807.760132	0.208305359	1812.185059	0.187599182	1811.861572	0.142979622	1812.356812	0.215774536	1812.334229	0.238189697	1812.170532
5/2/11 17:21	2931.507813	1807.775024	0.208503723	1812.185303	0.202308655	1811.876343	0.150413513	1812.364258	0.215969086	1812.334473	0.238265991	1812.170532
5/2/11 17:23	2933.163086	1807.760254	0.223045349	1812.192505	0.187606812	1811.876343	0.135761261	1812.356934	0.223205566	1812.334351	0.230903625	1812.163208
5/2/11 17:25	2934.838135	1807.767578	0.201072693	1812.199829	0.187606812	1811.861694	0.157758713	1812.371582	0.223205566	1812.341675	0.238227844	1812.170532
5/2/11 17:26	2936.497559	1807.7677	0.215835571	1812.192627	0.202308655	1811.876343	0.150413513	1812.364258	0.223304749	1812.334473	0.238265991	1812.170532
5/2/11 17:28	2938.172119	1807.774902	0.201072693	1812.185181	0.202293396	1811.861694	0.157712936	1812.371582	0.223205566	1812.341675	0.245567322	1812.177856
5/2/11 17:30	2939.829346	1807.760132	0.214576721	1812.192505	0.201225281	1811.876343	0.156659126	1812.371582	0.229370117	1812.341553	0.244468689	1812.176758
5/2/11 17:31	2941.505127	1807.774536	0.208106995	1812.199585	0.20224762	1811.876221	0.164930344	1812.378784	0.230228424	1812.341309	0.245445251	1812.177734
5/2/11 17:33	2943.163086	1807.766968	0.215141296	1812.192017	0.216880798	1811.890869	0.172139168	1812.385986	0.222621918	1812.348511	0.237991333	1812.170288
5/2/11 17:35	2944.84375	1807.77417	0.215141296	1812.18457	0.202201843	1811.876221	0.17218399	1812.385986	0.229938507	1812.348389	0.237991333	1812.170288
5/2/11 17:36	2946.500977	1807.766846	0.215141296	1812.191895	0.216880798	1811.876221	0.17218399	1812.393311	0.222621918	1812.341064	0.237991333	1812.170288
5/2/11 17:38	2948.172363	1807.765747	0.21408844	1812.183594	0.201148987	1811.875244	0.178483009	1812.392334	0.228881836	1812.34729	0.236930847	1812.169189

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW20C_WLE	MW20D_WLD	MW20D_WLE	MW20E_WLD	MW20E_WLE	MW30A_WLD	MW30A_WLE	MW30C_WLD	MW30C_WLE	MW30D_WLD	MW30D_WLE
5/2/11 17:40	2949.829346	1807.773071	0.21408844	1812.190918	0.215820313	1811.875244	0.193216324	1812.414307	0.228881836	1812.339966	0.236930847	1812.169189
5/2/11 17:41	2951.501221	1807.765991	0.221496582	1812.198364	0.215843201	1811.889893	0.178572655	1812.392334	0.221660614	1812.347534	0.236968994	1812.169312
5/2/11 17:43	2953.163086	1807.77356	0.214477539	1812.213257	0.230560303	1811.889893	0.193306923	1812.392334	0.22195816	1812.347778	0.237091064	1812.169434
5/2/11 17:45	2954.836182	1807.781128	0.221984863	1812.184204	0.23059082	1811.889893	0.186052322	1812.399902	0.229465485	1812.3479	0.237174988	1812.169434
5/2/11 17:46	2956.494385	1807.766479	0.222091675	1812.198853	0.230606079	1811.875244	0.178708076	1812.407227	0.229564667	1812.3479	0.237213135	1812.169556
5/2/11 17:48	2958.168701	1807.775146	0.223243713	1812.192749	0.217002869	1811.890991	0.194586754	1812.408447	0.238048553	1812.349121	0.238311768	1812.170654
5/2/11 17:50	2959.825439	1807.782349	0.223144531	1812.199951	0.21698761	1811.890991	0.187288284	1812.401123	0.230621338	1812.349121	0.238265991	1812.170532
5/2/11 17:51	2961.499512	1807.775146	0.215927124	1812.200073	0.231681824	1811.905762	0.201848984	1812.408325	0.223400116	1812.341797	0.230979919	1812.16333
5/2/11 17:53	2963.174805	1807.776245	0.2317276	1812.208496	0.218078613	1811.89209	0.188250542	1812.416748	0.231864929	1812.350342	0.245681763	1812.179077
5/2/11 17:55	2964.831543	1807.767822	0.22429657	1812.207397	0.217002869	1811.905762	0.194586754	1812.408447	0.230716705	1812.349121	0.238311768	1812.170654
5/2/11 17:56	2966.50415	1807.790039	0.231819153	1812.207642	0.232765198	1811.905762	0.19568634	1812.408447	0.224647522	1812.342041	0.239440918	1812.171753
5/2/11 17:58	2968.158691	1807.789917	0.230674744	1812.20752	0.217018127	1811.891113	0.201985359	1812.415771	0.230815887	1812.349243	0.253013611	1812.185303
5/2/11 18:00	2969.833008	1807.775391	0.238098145	1812.214966	0.245300293	1811.92041	0.200885773	1812.415771	0.222537994	1812.349365	0.24571991	1812.177979
5/2/11 18:01	2971.505371	1807.774292	0.230773926	1812.206543	0.246360779	1811.919312	0.194678307	1812.407349	0.230911255	1812.348267	0.24571991	1812.177979
5/2/11 18:03	2973.160889	1807.782593	0.237998962	1812.214844	0.231697083	1811.92041	0.201939583	1812.408447	0.230815887	1812.349243	0.253013611	1812.185303
5/2/11 18:05	2974.834961	1807.775269	0.245330811	1812.222168	0.231697083	1811.905762	0.201985359	1812.415894	0.230815887	1812.349243	0.238349915	1812.170654
5/2/11 18:06	2976.494141	1807.782715	0.230773926	1812.214966	0.246360779	1811.92041	0.209329605	1812.423096	0.230911255	1812.349365	0.24571991	1812.177979
5/2/11 18:08	2978.166992	1807.790039	0.230773926	1812.200195	0.231704712	1811.92041	0.202030182	1812.415894	0.223594666	1812.342041	0.24571991	1812.177979
5/2/11 18:10	2979.824951	1807.782715	0.223442078	1812.200195	0.231704712	1811.905762	0.201985359	1812.415771	0.223594666	1812.349365	0.24571991	1812.177979
5/2/11 18:26	2996.491211	1807.775391	0.230773926	1812.214966	0.217033386	1811.891113	0.201985359	1812.423096	0.230911255	1812.342041	0.238388062	1812.170654
5/2/11 18:43	3013.151855	1807.770996	0.226509094	1812.203369	0.205513	1811.894287	0.205422401	1812.411865	0.226661682	1812.345093	0.248847961	1812.181152
5/2/11 19:00	3029.817139	1807.77124	0.219398499	1812.196167	0.205543518	1811.879639	0.212857246	1812.426636	0.219520569	1812.330688	0.234268188	1812.166626
5/2/11 19:16	3046.488525	1807.766357	0.221702576	1812.183838	0.192993164	1811.867065	0.192927361	1812.406738	0.221824646	1812.340332	0.221801758	1812.154053
5/2/11 19:33	3063.14917	1807.774902	0.208297729	1812.185059	0.194076538	1811.868164	0.194115639	1812.422607	0.215747833	1812.334229	0.222938538	1812.155273
5/2/11 19:50	3079.807373	1807.7677	0.193901062	1812.170654	0.180366516	1811.85437	0.195261955	1812.416382	0.201358795	1812.327148	0.209022522	1812.141357
5/2/11 20:06	3096.469727	1807.755493	0.188987732	1812.165771	0.138496399	1811.8125	0.20480442	1812.418579	0.19644165	1812.314941	0.203918457	1812.13623
5/2/11 20:23	3113.129639	1807.741089	0.167198181	1812.144043	0.138534546	1811.812622	0.197370529	1812.411255	0.196632385	1812.315063	0.20400238	1812.136353
5/2/11 20:40	3129.793701	1807.731934	0.165290833	1812.14209	0.077796936	1811.751831	0.195171356	1812.408936	0.194725037	1812.313232	0.194656372	1812.126953
5/2/11 20:56	3146.45459	1807.728638	0.147384644	1812.124146	0.074623108	1811.763306	0.206792831	1812.406006	0.191455841	1812.309937	0.191452026	1812.123779
5/2/11 21:13	3163.114014	1807.710449	0.136573792	1812.113403	0.056732178	1811.730713	0.181675911	1812.395508	0.173351288	1812.291748	0.195480347	1812.127808
5/2/11 21:30	3179.77417	1807.701416	0.134765625	1812.118896	0.054672241	1811.72876	0.186821938	1812.385986	0.186183929	1812.290039	0.178848267	1812.111206
5/2/11 21:46	3196.448975	1807.694092	0.120124817	1812.096924	0.025367737	1811.699463	0.172124863	1812.385986	0.164199829	1812.282715	0.178848267	1812.111206
5/2/11 22:03	3213.112305	1807.692993	0.104415894	1812.081177	0.02431488	1811.698364	0.178287506	1812.39209	0.163150787	1812.281616	0.170463562	1812.102783
5/2/11 22:20	3229.762207	1807.692017	0.110778809	1812.102295	0.023262024	1811.697266	0.170013428	1812.383789	0.162193298	1812.28064	0.162132263	1812.094482
5/2/11 22:36	3246.440918	1807.699219	0.118019104	1812.094849	0.023254395	1811.697266	0.170013428	1812.383789	0.162094116	1812.280518	0.169403076	1812.101685
5/2/11 22:53	3263.09668	1807.698486	0.102500916	1812.079346	0.007553101	1811.681641	0.161570549	1812.375366	0.153903961	1812.272339	0.161117554	1812.093384
5/2/11 23:10	3279.762939	1807.68396	0.109931946	1812.086792	-0.007102966	1811.666992	0.169005394	1812.382813	0.161334991	1812.279785	0.153823853	1812.086182
5/2/11 23:26	3296.420654	1807.678467	0.104507446	1812.081299	-0.019676208	1811.654297	0.171116829	1812.384888	0.163249969	1812.281738	0.148521423	1812.080811
5/2/11 23:43	3313.076416	1807.69458	0.09854126	1812.075317	-0.018577576	1811.655518	0.179522514	1812.393433	0.149929047	1812.268433	0.14969635	1812.089355
5/3/11 0:00	3329.742676	1807.672485	0.104705811	1812.08252	0.010734558	1811.684814	0.172260284	1812.386108	0.157161713	1812.275635	0.148597717	1812.080933
5/3/11 0:16	3346.402344	1807.691528	0.11013031	1811.625366	0.007598877	1811.681641	0.169276237	1812.383057	0.161529541	1812.280029	0.161239624	1812.093506
5/3/11 0:33	3363.072754	1807.678955	0.104904175	1812.081665	0.009712219	1811.683716	0.178560257	1812.392334	0.163639069	1812.282104	0.163345337	1812.095703
5/3/11 0:50	3379.732666	1807.680176	0.128044128	1812.104858	-0.003898621	1811.670166	0.186957359	1812.400757	0.164787292	1812.283203	0.16444397	1812.096802
5/3/11 1:06	3396.395752	1807.685669	0.127288818	1812.081055	0.023391724	1811.697388	0.177592278	1812.391357	0.17029953	1812.288818	0.178153992	1812.110474
5/3/11 1:23	3413.05835	1807.670166	0.12538147	1812.102173	0.007698059	1811.681763	0.183748245	1812.397583	0.169445038	1812.287842	0.176124573	1812.108398
5/3/11 1:40	3429.727051	1807.676636	-0.329811096	1811.646973	0.021331787	1811.695313	0.182870865	1812.396729	0.175796509	1812.294189	0.182441711	1812.114746
5/3/11 1:56	3446.391113	1807.672485	-0.098487854	1811.877319	-0.004852295	1811.669189	0.178740501	1812.392578	0.178966522	1812.297363	0.179328918	1812.111572
5/3/11 2:13	3463.042725	1807.682983	0.123420715	1812.10022	0.012985229	1811.657715	0.189245224	1812.403076	0.174812317	1812.293213	0.182487488	1812.114746

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW20C_WLE	MW20D_WLD	MW20D_WLE	MW20E_WLD	MW20E_WLE	MW30A_WLD	MW30A_WLE	MW30C_WLD	MW30C_WLE	MW30D_WLD	MW30D_WLE
5/3/11 2:30	3479.713379	1807.676758	-0.109863281	1811.866943	-0.00062561	1811.673462	0.197690964	1812.411499	0.183280945	1812.301758	0.189865112	1812.122192
5/3/11 2:46	3496.380371	1807.67688	-0.336967468	1811.639893	0.014053345	1811.68811	0.197690964	1812.411499	0.168632507	1812.287231	0.175201416	1812.107544
5/3/11 3:03	3513.043945	1807.671631	0.10471344	1812.081543	-0.013160706	1811.660889	0.199756622	1812.413574	0.170742035	1812.289185	0.16999054	1812.102295
5/3/11 3:20	3529.691406	1807.677856	0.119354248	1812.095093	-0.013160706	1811.645142	0.1923666	1812.405151	0.170742035	1812.288086	0.16999054	1812.102295
5/3/11 3:36	3546.360107	1807.670654	0.111068726	1812.095215	-0.028877258	1811.65979	0.184059143	1812.397827	0.155124664	1812.27356	0.161651611	1812.093994
5/3/11 3:53	3563.018555	1807.671631	0.134109497	1811.854492	-0.042480469	1811.631592	0.192457199	1812.40625	0.163505554	1812.281982	0.162704468	1812.094971
5/3/11 4:10	3579.686279	1807.670654	0.096427917	1812.073242	-0.014205933	1811.65979	0.184105873	1812.397949	0.155124664	1812.27356	0.161651611	1812.093994
5/3/11 4:26	3596.3479	1807.670776	-0.130592346	1812.088013	-0.028862	1811.645142	0.184196472	1812.405396	0.155220032	1812.273682	0.161689758	1812.093994
5/3/11 4:43	3613.010254	1807.678955	0.103759766	1812.081665	-0.028877258	1811.64624	0.198884964	1812.41272	0.162452698	1812.280884	0.168983459	1812.101318
5/3/11 5:00	3629.672119	1807.67395	0.121665955	1812.098511	-0.011024475	1811.662964	0.194613457	1812.408447	0.15838623	1812.276855	0.157524109	1812.089844
5/3/11 5:16	3646.336182	1807.681274	0.099693298	1812.076538	-0.040351868	1811.633667	0.187222481	1812.401001	0.151050568	1812.269531	0.157524109	1812.089844
5/3/11 5:33	3663.001953	1807.688477	0.100746155	1812.076416	-0.024642944	1811.648315	0.188233376	1812.4021	0.152103424	1812.270508	0.143943787	1812.076294
5/3/11 5:50	3679.670898	1807.668823	0.079910278	1812.056763	-0.038230896	1811.635742	0.181978226	1812.395752	0.145938873	1812.264404	0.145042419	1812.077393
5/3/11 6:06	3696.331787	1807.662476	-0.153572083	1811.823242	-0.037193298	1811.636841	0.183125496	1812.395874	0.146896362	1812.264282	0.138725281	1812.071045
5/3/11 6:23	3712.993896	1807.6698	0.088096619	1812.065063	-0.051872253	1811.622192	0.175643921	1812.389404	0.132228851	1812.250732	0.131347656	1812.063599
5/3/11 6:40	3729.658936	1807.666626	0.077705383	1812.054565	-0.055030823	1811.619019	0.179961205	1812.393799	0.129070282	1812.247559	0.128227234	1812.060547
5/3/11 6:56	3746.32373	1807.665405	0.083885193	1812.060669	-0.056106567	1811.61792	0.186262131	1812.400024	0.127914429	1812.246338	0.134468079	1812.066772
5/3/11 7:13	3762.977051	1807.669189	0.087913513	1812.064697	-0.043716431	1811.630371	0.191268921	1812.405029	0.139305115	1812.257813	0.139198303	1812.071533
5/3/11 7:30	3779.631836	1807.677734	0.104576111	1812.081421	0.013206482	1811.687256	0.197509766	1812.411377	0.163379669	1812.28186	0.173034668	1812.105347
5/3/11 7:46	3796.299805	1807.697754	0.124389648	1812.101196	0.039535522	1811.713623	0.194301605	1812.408081	0.161186218	1812.279663	0.192253113	1812.124512
5/3/11 8:03	3812.957275	1807.703491	0.144744873	1812.121582	0.066825867	1811.740845	0.199272156	1812.413086	0.181545258	1812.300049	0.190345764	1812.122681
5/3/11 8:20	3829.635986	1807.702637	0.143890381	1812.120728	0.095169067	1811.769165	0.219808578	1812.433594	0.18800354	1812.306396	0.204032898	1812.136353
5/3/11 8:36	3846.294678	1807.696899	0.173599243	1812.151489	0.124526978	1811.799561	0.219446182	1812.434326	0.18107605	1812.300537	0.204193115	1812.136475
5/3/11 8:53	3862.959473	1807.709839	0.172836304	1812.149658	0.123519897	1811.797607	0.218253136	1812.432129	0.194957733	1812.313477	0.217903137	1812.150146
5/3/11 9:10	3879.622559	1807.717529	0.187683105	1812.164551	0.123550415	1811.797607	0.225823402	1812.439697	0.195148468	1812.313721	0.22530365	1812.157593
5/3/11 11:56	4046.251953	1807.779907	0.249946594	1812.226807	0.265281677	1811.939331	0.257413864	1812.471191	0.24274826	1812.361206	0.270973206	1812.203247
5/3/11 14:43	4212.864746	1807.818604	0.237281799	1812.214233	0.230834961	1811.904907	0.267343521	1812.481201	0.25207901	1812.370605	0.252227783	1812.18457
5/3/11 17:30	4379.499023	1807.858643	0.277175903	1812.254028	0.29927063	1811.973267	0.262709618	1812.476563	0.262649536	1812.381104	0.269554138	1812.201904
5/3/11 20:16	4546.123535	1807.833862	0.208511353	1812.185303	0.178924561	1811.852905	0.237938881	1812.451782	0.21591568	1812.334351	0.222671509	1812.155029
5/3/11 23:03	4712.740234	1807.771362	0.144859314	1812.122681	0.078315735	1811.753418	0.203193665	1812.418091	0.174240112	1812.293701	0.17350769	1812.105835
5/4/11 1:50	4879.361328	1807.766357	0.11264801	1812.088379	0.023880005	1811.696899	0.199932098	1812.413696	0.14200592	1812.260498	0.141181946	1812.073486
5/4/11 4:36	5045.989746	1807.766113	0.089393616	1812.066162	-0.028419495	1811.64563	0.199432373	1812.420532	0.133415222	1812.251831	0.140129089	1812.072388
5/4/11 7:23	5212.611328	1807.78186	0.090286255	1812.067139	-0.013526917	1811.660522	0.184815407	1812.398682	0.126960754	1812.245361	0.125907898	1812.058228
5/4/11 10:10	5379.241699	1807.858276	0.152679443	1812.122192	0.12449646	1811.813232	0.212128639	1812.425903	0.160102844	1812.278564	0.189888	1812.122192
5/4/11 12:56	5545.875	1807.936401	0.201225281	1812.177979	0.216049194	1811.904785	0.223245621	1812.437012	0.201309204	1812.319824	0.215744019	1812.148071
5/4/11 15:43	5712.501953	1808.001465	0.21497345	1812.191772	0.273956299	1811.947998	0.230255127	1812.444092	0.200386047	1812.318848	0.236946106	1812.169189
5/4/11 18:30	5879.104492	1807.969971	0.184547424	1812.160278	0.192092896	1811.879761	0.162963867	1812.376831	0.177276611	1812.295776	0.19178772	1812.124146
5/4/11 21:16	6045.73584	1807.863403	0.091522217	1812.068359	0.061889648	1811.735962	0.128173828	1812.342041	0.098907471	1812.217407	0.113098145	1812.04541
5/5/11 0:03	6212.348145	1807.791382	0.034080505	1812.010864	-0.04725647	1811.626831	0.150952339	1812.364746	0.056098938	1812.174561	0.062728882	1811.994995
5/5/11 2:50	6378.972168	1807.757202	0.036636353	1812.013428	-0.058937073	1811.615112	0.168828964	1812.38269	0.08065033	1812.199097	0.080230713	1812.012573
5/5/11 5:36	6545.602539	1807.741211	0.035339355	1812.012207	-0.081993103	1811.592041	0.175293922	1812.388062	0.08669281	1812.204102	0.08644104	1812.018799
5/5/11 8:23	6712.226074	1807.765869	0.110992432	1812.088867	0.049316406	1811.752686	0.196134567	1812.41626	0.12694931	1812.244263	0.149726868	1812.082031
5/5/11 11:10	6878.849121	1807.809814	0.192054749	1812.168823	0.207893372	1811.881958	0.244668007	1812.46582	0.184848785	1812.303345	0.221878052	1812.154175
5/5/11 13:56	7045.460449	1807.848999	0.19443512	1812.171387	0.187110901	1811.862183	0.252465248	1812.467285	0.200824738	1812.320435	0.209564209	1812.141846
5/5/11 16:43	7212.100098	1807.880371	0.196556091	1812.17334	0.196868896	1811.87085	0.269828796	1812.468994	0.21131134	1812.329712	0.225799561	1812.158081
5/5/11 19:30	7378.706543	1807.895874	0.189796448	1812.166748	0.175056458	1811.849121	0.226581573	1812.44043	0.182640076	1812.301147	0.189491272	1812.121826
5/5/11 22:16	7545.33252	1807.831299	0.081359863	1812.058228	0.014839172	1811.688843	0.198739052	1812.405151	0.140022278	1812.251099	0.132110596	1812.064453
5/6/11 1:03	7711.962891	1807.82373	-0.181518555	1811.794189	-0.058441162	1811.615601	0.176677704	1812.390503	0.10320282	1812.22168	0.11013031	1812.04248

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW20C_WLE	MW20D_WLD	MW20D_WLE	MW20E_WLD	MW20E_WLE	MW30A_WLD	MW30A_WLE	MW30C_WLD	MW30C_WLE	MW30D_WLD	MW30D_WLE
5/6/11 3:50	7878.583496	1807.85022	0.048828125	1812.025635	-0.054924011	1811.619141	0.165434837	1812.379272	0.078155518	1812.196655	0.091903687	1812.02417
5/6/11 6:36	8045.212402	1807.866089	0.013389587	1811.990234	-0.12701416	1811.546997	0.152165413	1812.365967	0.072006226	1812.19043	0.063835144	1811.996094
5/6/11 9:23	8211.827148	1807.985352	0.096687317	1812.080811	0.075019836	1811.750122	0.162519455	1812.377441	0.110328674	1812.229858	0.13419342	1812.066528
5/6/11 12:10	8378.449219	1808.070801	0.152397156	1812.12915	0.152130127	1811.826172	0.152300835	1812.366089	0.130451202	1812.248901	0.15209198	1812.084351
5/6/11 14:56	8545.080078	1808.128418	0.129837036	1812.106689	0.15309906	1811.827148	0.124565125	1812.338379	0.107898712	1812.226318	0.123329163	1812.055664
5/6/11 17:43	8711.694336	1808.129272	0.108375549	1812.085205	0.122962952	1811.796997	0.094162941	1812.307983	0.071754456	1812.190186	0.086280823	1812.018555
5/6/11 20:30	8878.321289	1808.063843	0.013504028	1811.990356	0.005493164	1811.679565	0.050198555	1812.256714	0.020816803	1812.124634	0.027679443	1811.959961
5/6/11 23:16	9044.9375	1808.049438	-0.008140564	1811.968628	-0.022964478	1811.651123	0.051269531	1812.265137	-0.008144379	1812.117676	-0.008262634	1811.924072
5/7/11 2:03	9211.568359	1808.023438	-0.034332275	1811.942505	-0.064704895	1811.609375	0.053334236	1812.26709	-0.027046204	1812.091431	-0.027709961	1811.904541
5/7/11 4:50	9378.192383	1807.993286	-0.057197571	1811.919678	-0.109802246	1811.564209	0.052298546	1812.266113	-0.042575836	1812.075928	-0.036102295	1811.89624
5/7/11 7:36	9544.799805	1807.971924	-0.055786133	1811.921021	-0.090568542	1811.583496	0.050145149	1812.263916	-0.048439026	1812.070068	-0.039810181	1811.892456
5/7/11 10:23	9711.43457	1808.022949	0.024024963	1812.000854	0.045875549	1811.719971	0.119667053	1812.333496	0.016716003	1812.135132	0.045814514	1811.978149
5/7/11 13:10	9878.050781	1808.039795	0.055335999	1812.032104	0.098426819	1811.772461	0.112605095	1812.326416	0.040683746	1812.15918	0.054664612	1811.986938
5/7/11 15:56	10044.66895	1808.084961	0.078544617	1812.05542	0.136314392	1811.810303	0.151360512	1812.365234	0.078536987	1812.197021	0.092483521	1812.02478
5/7/11 16:32	10080.00195	1808.09729	0.089881897	1812.067627	0.140518188	1811.815552	0.147968292	1812.363892	0.075233459	1812.195679	0.089286804	1812.021606
5/7/11 16:32	10080.16895	1808.105591	0.084587097	1812.068726	0.142601013	1811.81665	0.157376289	1812.363892	0.077243805	1812.203003	0.098693848	1812.031006
5/7/11 16:32	10080.32031	1808.098267	0.06993103	1812.068726	0.142601013	1811.81665	0.157421112	1812.371216	0.084579468	1812.203003	0.098693848	1812.031006
5/7/11 16:32	10080.4873	1808.091064	0.099319458	1812.076172	0.157272339	1811.831299	0.157421112	1812.371216	0.092010498	1812.210449	0.091392517	1812.023682
5/7/11 16:32	10080.65527	1808.090942	0.091995239	1812.068726	0.157272339	1811.831299	0.157421112	1812.371216	0.084674835	1812.203003	0.098731995	1812.031006
5/7/11 16:32	10080.83887	1808.098389	0.091995239	1812.068848	0.142623901	1811.81665	0.157421112	1812.371216	0.077342987	1812.195801	0.098731995	1812.031006
5/7/11 16:33	10080.99023	1808.098389	0.099319458	1812.076172	0.142601013	1811.81665	0.157376289	1812.371216	0.099243164	1812.217773	0.09135437	1812.023682
5/7/11 16:33	10081.1582	1808.105713	0.091995239	1812.068848	0.142623901	1811.845947	0.164684296	1812.37854	0.092010498	1812.210449	0.091392517	1812.023682
5/7/11 16:33	10081.3252	1808.105713	0.091995239	1812.068848	0.157272339	1811.831299	0.149987221	1812.36377	0.077342987	1812.195801	0.098731995	1812.031006
5/7/11 16:33	10081.49219	1808.098389	0.099319458	1812.068848	0.142623901	1811.81665	0.149941444	1812.36377	0.084674835	1812.203125	0.098731995	1812.031006
5/7/11 16:33	10081.65918	1808.098267	0.091896057	1812.068726	0.142601013	1811.81665	0.16454792	1812.378418	0.077243805	1812.195679	0.106018066	1812.03833
5/7/11 16:34	10081.82715	1808.098267	0.091896057	1812.068726	0.142601013	1811.81665	0.157195091	1812.370972	0.084579468	1812.203003	0.09135437	1812.023682
5/7/11 16:34	10081.99414	1808.098267	0.084587097	1812.061401	0.142601013	1811.81665	0.157195091	1812.370972	0.077243805	1812.195679	0.09135437	1812.023682
5/7/11 16:34	10082.16113	1808.098267	0.091896057	1812.068726	0.142601013	1811.81665	0.157149315	1812.370972	0.06993103	1812.188354	0.09135437	1812.023682
5/7/11 16:34	10082.32813	1808.098267	0.091896057	1812.068726	0.127922058	1811.802002	0.149805069	1812.363647	0.077243805	1812.195679	0.09135437	1812.023682
5/7/11 16:34	10082.49512	1808.105591	0.091896057	1812.068726	0.127922058	1811.802002	0.149805069	1812.363647	0.084579468	1812.203003	0.09135437	1812.023682
5/7/11 16:34	10082.66211	1808.098389	0.077346802	1812.054199	0.113288879	1811.787354	0.157104492	1812.370972	0.070030212	1812.188477	0.098731995	1812.031006
5/7/11 16:35	10082.8291	1808.105713	0.077346802	1812.068848	0.142623901	1811.802002	0.142416	1812.363525	0.084674835	1812.203125	0.098731995	1812.031006
5/7/11 16:35	10082.99707	1808.098389	0.091995239	1812.068848	0.127944946	1811.802002	0.149805069	1812.363647	0.077342987	1812.195801	0.098731995	1812.031006
5/7/11 16:35	10083.16309	1808.112915	0.091896057	1812.061401	0.127922058	1811.802002	0.149805069	1812.363647	0.084579468	1812.203003	0.098693848	1812.031006
5/7/11 16:35	10083.33008	1808.098267	0.084587097	1812.061401	0.113273621	1811.787354	0.157104492	1812.370972	0.077243805	1812.195679	0.084037781	1812.016357
5/7/11 16:35	10083.49805	1808.105591	0.084587097	1812.061401	0.142601013	1811.802002	0.142416	1812.356323	0.084579468	1812.195679	0.09135437	1812.023682
5/7/11 16:35	10083.66504	1808.098389	0.070022583	1812.046875	0.113288879	1811.787354	0.142460823	1812.356323	0.077342987	1812.195801	0.084075928	1812.016357
5/7/11 16:36	10083.83203	1808.106812	0.077346802	1812.055176	0.113288879	1811.78833	0.135199547	1812.350098	0.077342987	1812.196899	0.084075928	1812.016357
5/7/11 16:36	10084	1808.099487	0.070022583	1812.047852	0.127944946	1811.802979	0.13515377	1812.349976	0.077342987	1812.196899	0.091392517	1812.023682
5/7/11 16:36	10084.16699	1808.099487	0.091995239	1812.069824	0.127944946	1811.802979	0.142506599	1812.357422	0.06269455	1812.182251	0.076759338	1812.009033
5/7/11 16:36	10084.33398	1808.105713	0.077346802	1812.054199	0.113288879	1811.787354	0.142506599	1812.356323	0.06269455	1812.181152	0.076759338	1812.009033
5/7/11 16:36	10084.50098	1808.098389	0.070022583	1812.046875	0.113288879	1811.787354	0.13524437	1812.348999	0.06269455	1812.181152	0.06943512	1812.001709
5/7/11 16:36	10084.66895	1808.098389	0.070022583	1812.046875	0.113288879	1811.787354	0.135199547	1812.348999	0.06269455	1812.181152	0.076759338	1812.009033
5/7/11 16:37	10084.83594	1808.098389	0.070022583	1812.046875	0.113288879	1811.787354	0.13524437	1812.348999	0.06269455	1812.181152	0.076759338	1812.009033
5/7/11 16:37	10085.00391	1808.099487	0.056419373	1812.033203	0.09967041	1811.773682	0.136296272	1812.350098	0.049095154	1812.167603	0.070487976	1812.002808
5/7/11 16:37	10085.1709	1808.099487	0.062698364	1812.040527	0.098617554	1811.773682	0.127944946	1812.342773	0.048042297	1812.167603	0.06943512	1812.001709
5/7/11 16:37	10085.33789	1808.106812	0.062698364	1812.040527	0.113288879	1811.78833	0.127944946	1812.342773	0.048042297	1812.167603	0.076759338	1812.009033
5/7/11 16:37	10085.50684	1808.098389	0.062698364	1812.039551	0.113288879	1811.787354	0.127944946	1812.341797	0.05537796	1812.173828	0.062095642	1811.994385

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW20C_WLE	MW20D_WLD	MW20D_WLE	MW20E_WLD	MW20E_WLE	MW30A_WLD	MW30A_WLE	MW30C_WLD	MW30C_WLE	MW30D_WLD	MW30D_WLE
5/7/11 16:37	10085.67383	1808.098389	0.070022583	1812.046875	0.113288879	1811.787354	0.127989769	1812.341797	0.05537796	1812.173828	0.06943512	1812.001709
5/7/11 16:38	10085.8418	1808.091064	0.055366516	1812.032227	0.113288879	1811.787354	0.12068367	1812.334473	0.05537796	1812.173828	0.062095642	1812.001709
5/7/11 16:38	10086.00781	1808.098389	0.062698364	1812.039551	0.098617554	1811.772705	0.11333847	1812.327148	0.05537796	1812.173828	0.054763794	1811.987061
5/7/11 16:38	10086.17578	1808.091064	0.048049927	1812.024902	0.083961487	1811.758057	0.12068367	1812.334473	0.048042297	1812.166504	0.054763794	1811.987061
5/7/11 16:38	10086.32617	1808.090942	0.047958374	1812.02478	0.083946228	1811.757935	0.11333847	1812.327148	0.040615082	1812.159058	0.062057495	1811.994385
5/7/11 16:38	10086.49316	1808.105591	0.062599182	1812.032104	0.083946228	1811.772583	0.106040001	1812.335571	0.040615082	1812.160156	0.062057495	1811.994385
5/7/11 16:38	10086.66113	1808.098267	0.055267334	1812.032104	0.098594666	1811.772583	0.113384247	1812.327148	0.04794693	1812.166382	0.062057495	1811.994385
5/7/11 16:39	10086.8291	1808.098267	0.062599182	1812.039429	0.098594666	1811.772583	0.113384247	1812.319824	0.025951385	1812.159058	0.054725647	1811.987061
5/7/11 16:39	10086.99609	1808.105591	0.062599182	1812.039429	0.113273621	1811.787354	0.106084824	1812.319946	0.033283234	1812.151733	0.054725647	1811.987061
5/7/11 16:39	10087.16406	1808.112915	0.055267334	1812.032104	0.098594666	1811.757935	0.106084824	1812.319946	0.033283234	1812.151733	0.047409058	1811.979736
5/7/11 16:39	10087.33203	1808.098389	0.04070282	1812.017578	0.083961487	1811.758057	0.098777771	1812.312622	0.040714264	1812.15918	0.054763794	1811.987061
5/7/11 16:39	10087.49902	1808.098267	0.047958374	1812.02478	0.098617554	1811.772583	0.09886837	1812.319946	0.018730164	1812.159058	0.047409058	1811.979736
5/7/11 16:39	10087.66699	1808.106812	0.055366516	1812.033203	0.083961487	1811.759033	0.098822594	1812.313721	0.026046753	1812.145508	0.047447205	1811.979736
5/7/11 16:40	10087.83496	1808.099365	0.04901123	1812.025879	0.084999084	1811.759033	0.09987545	1812.305298	0.034332275	1812.137085	0.033813477	1811.966064
5/7/11 16:40	10088.00195	1808.099365	0.05632019	1812.033081	0.099655151	1811.773682	0.085223198	1812.299072	0.027004242	1812.145508	0.048461914	1811.980713
5/7/11 16:40	10088.16895	1808.099365	0.055267334	1812.040527	0.083946228	1811.759033	0.09886837	1812.291748	0.025951385	1812.152832	0.040084839	1811.972412
5/7/11 16:40	10088.33594	1808.105591	0.047958374	1812.02478	0.069259644	1811.743286	0.069526672	1812.283325	0.003982544	1812.122437	0.040084839	1811.972412
5/7/11 16:40	10088.50391	1808.090942	0.040611267	1812.017456	0.098594666	1811.772583	0.084170341	1812.297974	0.025951385	1812.144409	0.03276062	1811.965088
5/7/11 16:40	10088.67285	1808.098389	0.04070282	1812.017578	0.083961487	1811.758057	0.084260941	1812.298096	0.004081726	1812.122559	0.040122986	1811.972412
5/7/11 16:41	10088.83984	1808.090942	0.047958374	1812.02478	0.083946228	1811.743286	0.076916695	1812.290771	0.025951385	1812.144409	0.040084839	1811.972412
5/7/11 16:41	10089.00781	1808.098267	0.047958374	1812.02478	0.069259644	1811.743286	0.076916695	1812.290771	0.003982544	1812.122437	0.03276062	1811.965088
5/7/11 16:41	10089.17676	1808.098389	0.04070282	1812.017578	0.083961487	1811.758057	0.076916695	1812.290771	0.011398315	1812.129883	0.032806396	1811.965088
5/7/11 16:41	10089.34473	1808.098267	0.040611267	1812.017456	0.083946228	1811.757935	0.069572449	1812.283447	0.011299133	1812.129761	0.018096924	1811.950439
5/7/11 16:41	10089.51172	1808.098389	0.03339386	1812.010254	0.083961487	1811.758057	0.069572449	1812.283447	0.011398315	1812.129883	0.025466919	1811.957764
5/7/11 16:41	10089.67871	1808.098267	0.033294678	1812.017456	0.069259644	1811.743286	0.062309265	1812.276123	0.011299133	1812.129761	0.018096924	1811.950439
5/7/11 16:42	10089.84668	1808.098267	0.040611267	1812.017456	0.083946228	1811.757935	0.054965019	1812.268799	0.011299133	1812.129761	0.025428772	1811.957764
5/7/11 16:43	10091.50195	1808.105713	0.026062012	1812.00293	0.054595947	1811.728638	0.040313721	1812.254028	-0.017913818	1812.100586	0.010803223	1811.943115
5/7/11 16:45	10093.17773	1808.098511	0.026161194	1812.00293	0.069290161	1811.743286	0.003620148	1812.217407	-0.039798737	1812.078613	0.00353241	1811.935791
5/7/11 16:47	10094.83496	1808.105835	0.011528015	1811.988281	0.055671692	1811.728638	-0.024622917	1812.202881	-0.03874588	1812.078613	-0.011116028	1811.921143
5/7/11 16:48	10096.50977	1808.091309	0.011619568	1811.988403	0.055679321	1811.728638	-0.046492577	1812.167358	-0.038650513	1812.079834	-0.025741577	1811.906616
5/7/11 16:50	10098.17188	1808.091309	0.004272461	1811.981079	0.026351929	1811.713989	-0.068488121	1812.151611	-0.060630798	1812.056763	-0.025741577	1811.906616
5/7/11 16:52	10099.8457	1808.106079	0.004272461	1811.981201	0.039993286	1811.713989	-0.084192276	1812.129639	-0.076255798	1812.042236	-0.033058167	1811.899292
5/7/11 16:53	10101.50293	1808.098633	0.011619568	1811.988403	0.025299072	1811.699341	-0.113578796	1812.10022	-0.08366394	1812.03479	-0.040367126	1811.891968
5/7/11 16:55	10103.17676	1808.091309	-0.003036499	1811.973755	0.025299072	1811.699341	-0.135619164	1812.078247	-0.076351166	1812.042114	-0.047706604	1811.884644
5/7/11 16:57	10104.83496	1808.092407	-0.010368347	1811.967529	0.025299072	1811.700439	-0.150362015	1812.063477	-0.076351166	1812.042114	-0.055030823	1811.877319
5/7/11 16:58	10106.50684	1808.092407	-0.016647339	1811.960205	0.026351929	1811.700439	-0.178613663	1812.035156	-0.082611084	1812.035889	-0.046653748	1811.88562
5/7/11 17:00	10108.16504	1808.099609	-0.009414673	1811.967407	0.011695862	1811.685791	-0.193302155	1812.020508	-0.097377777	1812.021118	-0.054023743	1811.878296
5/7/11 17:02	10109.83984	1808.099609	-0.009315491	1811.967407	0.026351929	1811.700439	-0.215306282	1811.998535	-0.104610443	1812.013794	-0.053977966	1811.878296
5/7/11 17:03	10111.49609	1808.092285	-0.016738892	1811.960083	0.026344299	1811.700439	-0.237257004	1811.976563	-0.104709625	1812.013794	-0.06136322	1811.870972
5/7/11 17:05	10113.1709	1808.091064	-0.003135681	1811.973633	0.025283813	1811.699341	-0.24560833	1811.969238	-0.091094971	1812.028442	-0.062408447	1811.869873
5/7/11 17:07	10114.82813	1808.099487	-0.015785217	1811.959961	0.011672974	1811.685669	-0.266598701	1811.947266	-0.097473145	1812.020996	-0.067657471	1811.864624
5/7/11 17:08	10116.50293	1808.099609	-0.009414673	1811.967407	0.011695862	1811.685791	-0.259208679	1811.95459	-0.104709625	1812.013794	-0.06136322	1811.870972
5/7/11 17:10	10118.17578	1808.099609	-0.016738892	1811.960083	0.026344299	1811.700439	-0.2739048	1811.939941	-0.104709625	1812.013794	-0.06136322	1811.870972
5/7/11 17:12	10119.83594	1808.100586	-0.015785217	1811.96106	0.012748718	1811.686768	-0.280194283	1811.92627	-0.132968903	1811.985352	-0.067657471	1811.864624
5/7/11 17:13	10121.51074	1808.092163	-0.008460999	1811.967285	0.027381897	1811.700317	-0.287547112	1811.925171	-0.118400574	1811.999023	-0.060340881	1811.871948
5/7/11 17:15	10123.16992	1808.085815	-0.015686035	1811.96106	0.012733459	1811.686768	-0.309497833	1811.904297	-0.125728607	1811.992676	-0.074951172	1811.8573
5/7/11 17:17	10124.84375	1808.100586	-0.008460999	1811.968384	0.012733459	1811.686768	-0.316797256	1811.896973	-0.125728607	1811.992676	-0.082305908	1811.849976
5/7/11 17:18	10126.50098	1808.085815	-0.008460999	1811.968384	0.012733459	1811.686768	-0.324150085	1811.889648	-0.13306427	1811.985352	-0.067657471	1811.864624

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW20C_WLE	MW20D_WLD	MW20D_WLE	MW20E_WLD	MW20E_WLE	MW30A_WLD	MW30A_WLE	MW30C_WLD	MW30C_WLE	MW30D_WLD	MW30D_WLE
5/7/11 17:20	10128.17578	1808.085938	-0.015686035	1811.961182	0.027381897	1811.701416	-0.331494331	1811.882324	-0.13306427	1811.985474	-0.074951172	1811.8573
5/7/11 17:22	10129.83301	1808.093262	-0.008354187	1811.968506	0.012748718	1811.686768	-0.338838577	1811.875	-0.118301392	1812.000122	-0.082267761	1811.850098
5/7/11 17:23	10131.50684	1808.093262	-0.015686035	1811.953857	0.012748718	1811.686768	-0.346190453	1811.867676	-0.118301392	1812.000122	-0.074951172	1811.8573
5/7/11 17:25	10133.16504	1808.100586	-0.015686035	1811.961182	0.027397156	1811.701416	-0.34614563	1811.867676	-0.12563324	1811.992798	-0.082267761	1811.850098
5/7/11 17:27	10134.84082	1808.093262	-0.015686035	1811.961182	-0.001937866	1811.672119	-0.360753059	1811.853027	-0.118301392	1812.000122	-0.082267761	1811.850098
5/7/11 17:28	10136.49609	1808.093262	-0.023017883	1811.968506	0.011695862	1811.686768	-0.376452446	1811.838379	-0.126689911	1811.992798	-0.082267761	1811.850098
5/7/11 17:30	10138.16895	1808.099609	-0.009513855	1811.967407	0.011695862	1811.685791	-0.354546547	1811.859253	-0.126689911	1811.991699	-0.083366394	1811.848877
5/7/11 17:32	10139.84277	1808.092163	-0.016845703	1811.959961	0.011672974	1811.685669	-0.369242668	1811.844604	-0.119457245	1811.999023	-0.083366394	1811.848877
5/7/11 17:33	10141.49902	1808.092163	-0.016845703	1811.959961	0.026329041	1811.700317	-0.361808777	1811.852051	-0.126785278	1811.991699	-0.090690613	1811.841553
5/7/11 17:35	10143.17188	1808.092041	-0.016937256	1811.959839	0.011657715	1811.685669	-0.376452446	1811.837402	-0.119552612	1811.998901	-0.083404541	1811.848877
5/7/11 17:37	10144.83301	1808.084839	-0.01789856	1811.959961	0.011672974	1811.685669	-0.376452446	1811.828979	-0.126785278	1811.983276	-0.077095032	1811.855225
5/7/11 17:38	10146.50488	1808.08374	-0.025222778	1811.951538	0.025268555	1811.699341	-0.377504349	1811.836304	-0.120510101	1811.997925	-0.084411621	1811.8479
5/7/11 17:40	10148.16309	1808.092041	-0.016937256	1811.959839	0.011657715	1811.685669	-0.383804321	1811.829956	-0.112216949	1812.006226	-0.084457397	1811.8479
5/7/11 17:42	10149.83887	1808.092041	-0.024269104	1811.952515	0.026306152	1811.700317	-0.383758545	1811.830078	-0.12688446	1811.991577	-0.076087952	1811.856201
5/7/11 17:43	10151.49414	1808.085693	-0.008552551	1811.968262	0.027366638	1811.701416	-0.390093803	1811.82373	-0.133159637	1811.985352	-0.075027466	1811.8573
5/7/11 17:45	10153.17188	1808.084717	-0.009613037	1811.967163	0.011657715	1811.685669	-0.398493767	1811.815308	-0.119552612	1811.998901	-0.090774536	1811.841553
5/7/11 17:47	10154.82813	1808.084717	-0.016937256	1811.959839	0.026306152	1811.700317	-0.391104698	1811.822754	-0.119552612	1811.998901	-0.083404541	1811.848877
5/7/11 17:48	10156.49902	1808.092041	-0.016937256	1811.959839	0.011657715	1811.685669	-0.398493767	1811.815308	-0.12688446	1811.991577	-0.083404541	1811.848877
5/7/11 17:50	10158.17676	1808.084717	-0.009613037	1811.967163	0.011657715	1811.685669	-0.405755997	1811.808105	-0.12688446	1811.991577	-0.090736389	1811.841553
5/7/11 17:52	10159.83398	1808.085693	-0.023216248	1811.953613	0.011657715	1811.686768	-0.40571022	1811.808105	-0.12688446	1811.991577	-0.090736389	1811.841553
5/7/11 17:53	10161.50684	1808.085693	-0.030525208	1811.946289	-0.001976013	1811.672119	-0.397348404	1811.816406	-0.118495941	1812	-0.089675903	1811.842651
5/7/11 17:55	10163.16406	1808.078369	-0.015884399	1811.960938	-0.001976013	1811.672119	-0.404745102	1811.809082	-0.118495941	1812	-0.075027466	1811.8573
5/7/11 17:57	10164.83594	1808.085693	-0.015983582	1811.960815	-0.016662598	1811.657349	-0.412044525	1811.801758	-0.125926971	1811.992554	-0.082382202	1811.849976
5/7/11 17:58	10166.49316	1808.085693	-0.02331543	1811.953613	-0.001976013	1811.672119	-0.419352531	1811.794434	-0.125827789	1811.992676	-0.08971405	1811.842529
5/7/11 18:00	10168.16797	1808.078369	-0.023216248	1811.953613	-0.001976013	1811.672119	-0.412089348	1811.801758	-0.125827789	1811.992676	-0.082344055	1811.849976
5/7/11 18:02	10169.83984	1808.078369	-0.03062439	1811.946167	-0.001991272	1811.671997	-0.419487953	1811.794312	-0.125926971	1811.992554	-0.08971405	1811.842529
5/7/11 18:03	10171.49707	1808.093018	-0.03062439	1811.946167	-0.001991272	1811.671997	-0.412135124	1811.801636	-0.118598938	1811.999878	-0.082382202	1811.849976
5/7/11 18:05	10173.1709	1808.078369	-0.03062439	1811.946167	-0.001991272	1811.671997	-0.412089348	1811.801758	-0.125926971	1811.992554	-0.08971405	1811.842529
5/7/11 18:07	10174.82617	1808.085693	-0.02331543	1811.953491	-0.001991272	1811.671997	-0.419397354	1811.794434	-0.125926971	1811.992554	-0.082382202	1811.849976
5/7/11 18:08	10176.50098	1808.078369	-0.015983582	1811.960815	0.012695313	1811.686768	-0.412089348	1811.800659	-0.125926971	1811.991455	-0.082382202	1811.849976
5/7/11 18:10	10178.1582	1808.085693	-0.030525208	1811.946289	-0.001976013	1811.672119	-0.419397354	1811.794434	-0.125827789	1811.992676	-0.082344055	1811.849976
5/7/11 18:12	10179.83398	1808.078369	-0.03062439	1811.946167	0.012695313	1811.686768	-0.411999702	1811.801758	-0.125926971	1811.992554	-0.082382202	1811.849976
5/7/11 18:28	10196.48633	1808.085571	-0.015815735	1811.960938	0.01360321	1811.687622	-0.432940483	1811.780884	-0.133075714	1811.985352	-0.074371338	1811.85791
5/7/11 18:45	10213.16504	1808.078247	-0.023147583	1811.953613	-0.001075745	1811.672974	-0.425551414	1811.788208	-0.125743866	1811.992676	-0.074371338	1811.85791
5/7/11 19:02	10229.80762	1808.076538	-0.032279968	1811.94458	-0.016746521	1811.65625	-0.426651955	1811.794556	-0.12651062	1811.991943	-0.091011047	1811.841309
5/7/11 19:18	10246.47266	1808.076782	-0.032081604	1811.944702	-0.003097534	1811.670898	-0.435006142	1811.778809	-0.13470459	1811.983765	-0.090927124	1811.841431
5/7/11 19:35	10263.13477	1808.068481	-0.039306641	1811.936401	-0.032409668	1811.640625	-0.420272827	1811.793579	-0.134609222	1811.983887	-0.098182678	1811.834106
5/7/11 19:52	10279.80566	1808.066528	-0.057029724	1811.9198	-0.050231934	1811.623779	-0.445474625	1811.768311	-0.130340576	1811.988159	-0.101348877	1811.830933
5/7/11 20:08	10296.4707	1808.060913	-0.048049927	1811.928711	-0.034416199	1811.639648	-0.429724693	1811.784058	-0.136035919	1811.982422	-0.10005188	1811.832275
5/7/11 20:25	10313.13086	1808.052612	-0.049102783	1811.927734	-0.035469055	1811.63855	-0.445338249	1811.768433	-0.144405365	1811.973999	-0.109489441	1811.823853
5/7/11 20:42	10329.79883	1808.045532	-0.070899963	1811.905884	-0.079437256	1811.579956	-0.430641174	1811.783203	-0.144210815	1811.974243	-0.108352661	1811.823975
5/7/11 20:58	10346.45996	1808.031128	-0.078010559	1811.898804	-0.10874176	1811.565308	-0.452591896	1811.76123	-0.151348114	1811.967041	-0.122909546	1811.809448
5/7/11 21:15	10363.1123	1808.028564	-0.095077515	1811.881714	-0.110900879	1811.56311	-0.454795837	1811.759033	-0.153751373	1811.964722	-0.125144958	1811.807129
5/7/11 21:32	10379.77539	1808.010986	-0.10546875	1811.871338	-0.128700256	1811.545288	-0.450613976	1811.763184	-0.164154053	1811.954346	-0.128265381	1811.804077
5/7/11 21:48	10396.44141	1808.009766	-0.113952637	1811.862915	-0.144454956	1811.529541	-0.458969116	1811.754883	-0.165302277	1811.953125	-0.129356384	1811.802979
5/7/11 22:05	10413.10254	1808.001709	-0.114707947	1811.862061	-0.145454407	1811.528564	-0.467466354	1811.745239	-0.173381805	1811.94397	-0.1302948	1811.802002
5/7/11 22:22	10429.77539	1807.991699	-0.1173172	1811.859497	-0.162330627	1811.511719	-0.462317467	1811.751465	-0.175979614	1811.942505	-0.139945984	1811.792358
5/7/11 22:38	10446.42773	1807.99292	-0.108734131	1811.868042	-0.161247253	1811.512817	-0.453824043	1811.76001	-0.174728394	1811.943726	-0.153465271	1811.778809

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW20C_WLE	MW20D_WLD	MW20D_WLE	MW20E_WLD	MW20E_WLE	MW30A_WLD	MW30A_WLE	MW30C_WLD	MW30C_WLE	MW30D_WLD	MW30D_WLE
5/7/11 22:55	10463.09277	1808.003662	-0.120018005	1811.856812	-0.172691345	1811.501343	-0.457913399	1811.755859	-0.171375275	1811.947021	-0.150230408	1811.782104
5/7/11 23:12	10479.74805	1807.998657	-0.139793396	1811.837036	-0.17162323	1811.503418	-0.464213371	1811.749634	-0.192214966	1811.92627	-0.148078918	1811.78418
5/7/11 23:28	10496.40918	1808.006958	-0.131416321	1811.845459	-0.184196472	1811.489868	-0.462103844	1811.751709	-0.190105438	1811.928345	-0.147018433	1811.785278
5/7/11 23:45	10513.08496	1808.010132	-0.128250122	1811.848511	-0.210365295	1811.463623	-0.473535538	1811.740356	-0.18693924	1811.931519	-0.158500671	1811.773804
5/8/11 0:02	10529.74902	1807.990234	-0.126335144	1811.850586	-0.178947449	1811.495117	-0.47147274	1811.74231	-0.192359924	1811.926147	-0.149154663	1811.783203
5/8/11 0:18	10546.40137	1808.003784	-0.127288818	1811.849487	-0.194633484	1811.47937	-0.465044975	1811.748779	-0.193317413	1811.925171	-0.157485962	1811.77478
5/8/11 0:35	10563.07324	1808.011597	-0.127952576	1811.849976	-0.194572449	1811.479492	-0.457791328	1811.755981	-0.1929245	1811.925537	-0.173034668	1811.759277
5/8/11 0:52	10579.73535	1807.988281	-0.135482788	1811.841309	-0.210350037	1811.463623	-0.473400116	1811.740356	-0.194179535	1811.924316	-0.165779114	1811.766479
5/8/11 1:08	10596.39941	1807.998779	-0.139640808	1811.837158	-0.192489624	1811.481567	-0.477679253	1811.736084	-0.191013336	1811.92749	-0.169944763	1811.762329
5/8/11 1:25	10613.05664	1807.990234	-0.140792847	1811.843384	-0.178924561	1811.46582	-0.46394825	1811.749878	-0.199481964	1811.918945	-0.156394958	1811.775879
5/8/11 1:42	10629.71582	1807.999878	-0.132316589	1811.845581	-0.192489624	1811.482544	-0.470191956	1811.744629	-0.198329926	1811.921143	-0.162612915	1811.769653
5/8/11 1:58	10646.38281	1807.998779	-0.123931885	1811.837158	-0.207176208	1811.466797	-0.470191956	1811.743652	-0.198329926	1811.920166	-0.161560059	1811.770752
5/8/11 2:15	10663.04102	1807.992676	-0.131156921	1811.845703	-0.221847534	1811.453247	-0.470101357	1811.744751	-0.198226929	1811.921265	-0.16884613	1811.763428
5/8/11 2:32	10679.70703	1808.000854	-0.137527466	1811.839233	-0.205078125	1811.468994	-0.475385666	1811.738403	-0.203552246	1811.914917	-0.175163269	1811.75708
5/8/11 2:48	10696.36523	1807.994751	-0.143699646	1811.847778	-0.202941895	1811.455322	-0.480576515	1811.732178	-0.201339722	1811.916016	-0.159408569	1811.772949
5/8/11 3:05	10713.02832	1807.997803	-0.140640259	1811.836182	-0.20085907	1811.473145	-0.485776901	1811.728027	-0.206645966	1811.911865	-0.170951843	1811.761353
5/8/11 3:22	10729.69824	1808	-0.131103516	1811.838379	-0.213401794	1811.460693	-0.469103813	1811.751953	-0.204437256	1811.914063	-0.161468506	1811.770874
5/8/11 3:38	10746.35352	1808	-0.137374878	1811.831055	-0.197669983	1811.460693	-0.468045235	1811.745728	-0.203380585	1811.915039	-0.167747498	1811.764526
5/8/11 3:55	10763.0166	1808.008301	-0.13747406	1811.839355	-0.184059143	1811.491089	-0.469103813	1811.745728	-0.197223663	1811.922241	-0.17615509	1811.756104
5/8/11 4:12	10779.67285	1807.99353	-0.137527466	1811.839233	-0.205078125	1811.468994	-0.468078613	1811.745728	-0.203552246	1811.914917	-0.167831421	1811.764526
5/8/11 4:28	10796.33496	1807.979004	-0.151008606	1811.832031	-0.219734192	1811.454346	-0.468033791	1811.745728	-0.210762024	1811.907715	-0.174072266	1811.758179
5/8/11 4:45	10812.99902	1807.987427	-0.14264679	1811.83313	-0.218681335	1811.455322	-0.467022896	1811.746826	-0.202396393	1811.916016	-0.181388855	1811.750977
5/8/11 5:02	10829.66895	1807.987427	-0.151008606	1811.83313	-0.21762085	1811.469971	-0.473366737	1811.73938	-0.208652496	1811.908691	-0.181388855	1811.750977
5/8/11 5:18	10846.32422	1807.98645	-0.15196991	1811.824829	-0.219718933	1811.439697	-0.475430489	1811.731079	-0.210666656	1811.893066	-0.182403564	1811.749878
5/8/11 5:35	10862.99512	1807.991699	-0.14679718	1811.822632	-0.229110718	1811.444946	-0.484766006	1811.736328	-0.212825775	1811.898315	-0.184501648	1811.747803
5/8/11 5:52	10879.64941	1807.99707	-0.156082153	1811.820679	-0.238464355	1811.435547	-0.472271919	1811.741577	-0.222114563	1811.903687	-0.17918396	1811.753174
5/8/11 6:08	10896.30957	1807.989746	-0.163414001	1811.820679	-0.223823547	1811.435547	-0.479444504	1811.734375	-0.222114563	1811.896362	-0.186515808	1811.74585
5/8/11 6:25	10912.97754	1807.997559	-0.162857056	1811.813965	-0.252174377	1811.436523	-0.48596096	1811.727905	-0.221553802	1811.896851	-0.185661316	1811.746582
5/8/11 6:42	10929.62988	1807.998657	-0.146873474	1811.815308	-0.220855713	1811.453125	-0.476460457	1811.737305	-0.220222473	1811.898193	-0.191192627	1811.741089
5/8/11 6:58	10946.2998	1808.007568	-0.167312622	1811.816895	-0.234359741	1811.439697	-0.475358963	1811.723755	-0.218673706	1811.89978	-0.189933777	1811.742432
5/8/11 7:15	10962.95801	1808.007324	-0.152946472	1811.823853	-0.219772339	1811.454224	-0.475358963	1811.745728	-0.204303741	1811.90686	-0.17540741	1811.756836
5/8/11 7:32	10979.63574	1808.015869	-0.144203186	1811.832642	-0.203117371	1811.470947	-0.480685234	1811.72583	-0.217536926	1811.915527	-0.166244507	1811.766113
5/8/11 7:48	10996.28809	1808.018555	-0.13394165	1811.842896	-0.184417725	1811.474976	-0.469166756	1811.738403	-0.207256317	1811.92688	-0.16254425	1811.769775
5/8/11 8:05	11012.94727	1808.035156	-0.117050171	1811.852539	-0.151176453	1811.522827	-0.464990616	1811.748779	-0.197647095	1811.920776	-0.144485474	1811.787842
5/8/11 8:22	11029.6084	1808.047485	-0.104988098	1811.871826	-0.133087158	1811.540894	-0.454746246	1811.766357	-0.185592651	1811.932861	-0.133346558	1811.79895
5/8/11 8:38	11046.28516	1808.064087	-0.103134155	1811.880981	-0.102577209	1811.571411	-0.446478844	1811.767334	-0.169109344	1811.949341	-0.131973267	1811.800293
5/8/11 8:55	11062.93848	1808.068115	-0.091949463	1811.884888	-0.084632874	1811.589355	-0.443452835	1811.770386	-0.16526413	1811.953125	-0.121208191	1811.811035
5/8/11 9:12	11079.59766	1808.078003	-0.073829651	1811.92395	-0.081413269	1811.591553	-0.455076218	1811.758667	-0.147155762	1811.971313	-0.110603333	1811.821655
5/8/11 11:58	11246.22461	1808.146362	-0.028434753	1811.948364	-0.028785706	1811.659912	-0.438639641	1811.775146	-0.145809174	1811.972778	-0.079902649	1811.852417
5/8/11 14:45	11412.84082	1808.209961	-0.038276672	1811.938477	-0.010429382	1811.663574	-0.442866325	1811.770996	-0.126293182	1811.992188	-0.090515137	1811.841797
5/8/11 17:32	11579.46484	1808.235596	-0.041137695	1811.934692	-0.029174805	1811.644897	-0.475819588	1811.738037	-0.152187347	1811.966309	-0.122787476	1811.816895
5/8/11 20:18	11746.08008	1808.211548	-0.117347717	1811.859497	-0.089836121	1811.584229	-0.499673843	1811.714111	-0.21270752	1811.905762	-0.16242981	1811.769897
5/8/11 23:05	11912.70801	1808.177979	-0.180145264	1811.796631	-0.204093933	1811.469971	-0.554908752	1811.658936	-0.25353241	1811.864868	-0.217987061	1811.714355
5/9/11 1:52	12079.33105	1808.17041	-0.201339722	1811.774414	-0.217666626	1811.455322	-0.561124802	1811.65271	-0.267417908	1811.851074	-0.238922119	1811.693359
5/9/11 4:38	12245.95605	1808.175171	-0.241668701	1811.735107	-0.295043945	1811.379028	-0.579880714	1811.633911	-0.300441742	1811.817993	-0.27947998	1811.652832
5/9/11 7:25	12412.58398	1808.174927	-0.247703552	1811.728027	-0.269355774	1811.403564	-0.59778595	1811.61499	-0.32106781	1811.796387	-0.291137695	1811.641113
5/9/11 10:12	12579.20117	1808.227539	-0.203773499	1811.773071	-0.197799683	1811.476196	-0.600257874	1811.62085	-0.299175262	1811.82666	-0.241111755	1811.691162
5/9/11 12:58	12745.81543	1808.260864	-0.199966431	1811.769531	-0.157798767	1811.516235	-0.523621559	1811.690186	-0.288043976	1811.830444	-0.237663269	1811.69458

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW20C_WLE	MW20D_WLD	MW20D_WLE	MW20E_WLD	MW20E_WLE	MW30A_WLD	MW30A_WLE	MW30C_WLD	MW30C_WLE	MW30D_WLD	MW30D_WLE
5/9/11 15:45	12912.44727	1808.301636	-0.19594574	1811.802856	-0.117721558	1811.556274	-0.564343452	1811.657837	-0.262042999	1811.864746	-0.212059021	1811.720215
5/9/11 18:32	13079.07129	1808.304688	-0.668861389	1811.307983	-0.57559967	1811.08374	-0.64780426	1811.551392	-0.632476807	1811.50061	-0.574508667	1811.357788
5/9/11 21:18	13245.69336	1808.223022	-0.875114441	1811.101685	-0.863845825	1810.811279	-0.833172798	1811.37439	-0.788532257	1811.330933	-0.766174316	1811.166138
5/10/11 0:05	13412.30078	1808.209229	-0.89642334	1811.080444	-0.877433777	1810.796631	-0.861627579	1811.352173	-0.823467255	1811.294922	-0.795265198	1811.137085
5/10/11 2:52	13578.92676	1808.203003	-0.894050598	1811.088989	-0.889076233	1810.827881	-0.851118088	1811.361694	-0.821079254	1811.296387	-0.785095215	1811.147217
5/10/11 5:38	13745.55469	1808.157471	-0.918823242	1811.057983	-0.937393188	1810.737671	-0.877615929	1811.33728	-0.839588165	1811.279907	-0.824882507	1811.107422
5/10/11 8:25	13912.16602	1808.095581	-0.943252563	1811.040894	-0.914276123	1810.760742	-0.883565903	1811.3302	-0.878604889	1811.239868	-0.824874878	1811.107422
5/10/11 11:12	14078.79785	1808.137817	-0.842803955	1811.134033	-0.763275146	1810.910767	-0.828203201	1811.38562	-0.806415558	1811.312012	-0.747756958	1811.18457
5/10/11 13:58	14245.4082	1808.154663	-0.797065735	1811.179688	-0.747192383	1810.925781	-0.782753944	1811.43103	-0.744972229	1811.373535	-0.695678711	1811.236572
5/10/11 16:45	14412.03418	1808.204468	-0.805717468	1811.171143	-0.719909668	1810.954102	-0.777856827	1811.435913	-0.740039825	1811.378418	-0.704086304	1811.228271
5/10/11 19:32	14578.66016	1808.168457	-0.856330872	1811.120483	-0.792251587	1810.881836	-0.820522308	1811.393311	-0.776004791	1811.342407	-0.761817932	1811.170532
5/10/11 22:18	14745.27637	1808.086182	-0.902099609	1811.074707	-0.889846802	1810.78418	-0.837378502	1811.376465	-0.81444931	1811.303955	-0.778633118	1811.153687
5/11/11 1:05	14911.90234	1808.073364	-0.944206238	1811.032593	-0.968490601	1810.705566	-0.842652321	1811.371094	-0.84192276	1811.276489	-0.813301086	1811.119019
5/11/11 3:52	15078.51758	1808.040527	-0.962486267	1811.014282	-0.987297058	1810.686768	-0.85412693	1811.359619	-0.845554352	1811.272949	-0.817276001	1811.11499
5/11/11 6:38	15245.15137	1808.032471	-0.97782135	1810.999023	-0.980171204	1810.693848	-0.846757889	1811.367065	-0.875511169	1811.24292	-0.839630127	1811.092651
5/11/11 9:25	15411.76953	1808.004639	-0.968887329	1811.007935	-0.992897034	1810.681152	-0.837687492	1811.36145	-0.8592453	1811.259155	-0.830451965	1811.101807
5/11/11 12:12	15578.3877	1808.065552	-0.724708557	1811.252075	-0.689254761	1810.984741	-0.76897049	1811.444824	-0.702926636	1811.415527	-0.659141541	1811.273193
5/11/11 14:58	15745.00391	1808.058594	-0.372871399	1811.604004	-0.440513611	1811.233521	-0.578771591	1811.63501	-0.424301147	1811.694092	-0.388412476	1811.543945
5/11/11 17:45	15911.62402	1808.032837	-0.243263245	1811.732544	-0.272422791	1811.400513	-0.587025642	1811.626831	-0.338600159	1811.779907	-0.294273376	1811.638062
5/11/11 20:32	16078.25977	1808.037476	-0.277641296	1811.692871	-0.344406128	1811.345337	-0.607439995	1811.607422	-0.35100174	1811.768555	-0.313575745	1811.618774
5/11/11 23:18	16244.87988	1808.005493	-0.279312134	1811.69751	-0.353820801	1811.32019	-0.580153465	1811.633667	-0.338027954	1811.780396	-0.323928833	1811.608398
5/12/11 2:05	16411.49414	1808.01709	-0.274147034	1811.708984	-0.342086792	1811.301514	-0.590407372	1811.623413	-0.318229675	1811.800171	-0.291030884	1811.641235
5/12/11 4:52	16578.11719	1808.023682	-0.261497498	1811.715454	-0.358810425	1811.315186	-0.577775002	1811.635986	-0.327461243	1811.791016	-0.30670166	1811.62561
5/12/11 15:58	17244.60156	1808.09436	-0.190216064	1811.786621	-0.16847229	1811.505615	-0.541579247	1811.672241	-0.24156189	1811.884155	-0.204933167	1811.727417

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW30E_WLD	MW30E_WLE	MW31A_WLD	MW31A_WLE	MW31C_WLD	MW31C_WLE	MW47B_WLD	MW47B_WLE	MW47C_WLD	MW47C_WLE	MW47D_WLD
4/30/11 16:29	2.551150084	0.001060486	1811.242065	-0.083837509	1812.822998	-0.090763092	1812.945679	-0.094731331	1813.739258	-0.055780411	1813.650391	-0.047128677
4/30/11 16:39	9.998366356	-0.058601379	1811.182373	-0.028810501	1812.794189	-0.000133514	1812.945557	-0.151469707	1813.587769	-2.510100365	1811.140259	-0.064914703
4/30/11 16:49	19.99691582	-0.116241455	1811.124756	-0.043851852	1812.779175	0.008247375	1812.953979	-0.163400173	1813.575806	-2.630225182	1811.020142	-0.081176758
4/30/11 16:59	29.99004936	-0.153968811	1811.085938	-0.081370354	1812.741577	0.02097702	1812.966675	-0.179775238	1813.559448	-2.676897049	1810.973511	-0.080236435
4/30/11 17:09	39.98183441	-0.17073822	1811.070313	-0.096973419	1812.726074	0.027252197	1812.9729	-0.180829525	1813.55835	-2.695261955	1810.955078	-0.076967239
4/30/11 17:19	49.97788239	-0.177047729	1811.063965	-0.095910072	1812.727051	0.028110504	1812.973755	-0.187144756	1813.552124	-2.710232735	1810.940186	-0.08760643
4/30/11 17:29	59.9766655	-0.163497925	1811.077515	-0.104279518	1812.71875	0.012680054	1812.958374	-0.188199043	1813.551025	-2.706959724	1810.943481	-0.080005646
4/30/11 17:39	69.97721863	-0.180290222	1811.060669	-0.099152565	1812.723877	0.025360107	1812.971069	-0.194635391	1813.544556	-2.70906353	1810.941284	-0.077781677
4/30/11 17:49	79.97341919	-0.201293945	1811.039673	-0.127380371	1812.695557	0.01184082	1812.95752	-0.205276489	1813.533936	-2.711053848	1810.939331	-0.075445175
4/30/11 17:59	89.97554779	-0.204483032	1811.036499	-0.102309227	1812.720703	0.022274017	1812.968018	-0.209485054	1813.529785	-2.719590187	1810.930786	-0.075325012
4/30/11 18:09	99.9717865	-0.201278687	1811.039795	-0.274406433	1812.548584	0.026355743	1812.972046	-0.200953007	1813.53833	-2.715381622	1810.935059	-0.066789627
4/30/11 18:19	109.9689636	-0.192901611	1811.048096	-0.111735344	1812.711304	0.005096436	1812.950806	-0.211593628	1813.527588	-2.713043213	1810.937378	-0.060123444
4/30/11 18:29	119.956665	-0.196113586	1811.044922	-0.114898682	1812.70813	0.002212524	1812.947876	-0.201767445	1813.537476	-2.720527649	1810.92981	-0.076263428
4/30/11 18:39	129.9540863	-0.211830139	1811.029175	-0.152589798	1812.67041	0.008621216	1812.954346	-0.207147121	1813.532104	-2.717252731	1810.933105	-0.068660736
4/30/11 18:49	139.9494781	-0.196136475	1811.044922	-0.407996178	1812.415039	0.002346039	1812.947998	-0.201767445	1813.537476	-2.716199875	1810.934204	-0.06760788
4/30/11 18:59	149.9534149	-0.216087341	1811.024902	-0.06148243	1812.761475	0.011856079	1812.95752	-0.207032681	1813.532227	-2.712810516	1810.937622	-0.064218521
4/30/11 19:09	159.960968	-0.205680847	1811.035278	-0.72524929	1812.097778	0.000453949	1812.946167	-0.20691824	1813.532349	-2.717019081	1810.93335	-0.068426132
4/30/11 19:19	169.9581451	-0.209892273	1811.031128	-0.113712311	1812.709229	-0.003761292	1812.941895	-0.206799507	1813.532471	-2.721232414	1810.929199	-0.068311691
4/30/11 19:29	179.9511261	-0.225631714	1811.015381	-0.122195244	1812.700806	-0.004817963	1812.940918	-0.212183475	1813.5271	-2.713628769	1810.936768	-0.073692322
4/30/11 19:39	189.9528656	-0.22668457	1811.014282	-0.102132797	1812.721924	-0.255825043	1812.690918	-0.205632687	1813.534668	-2.711405754	1810.940063	-0.071468353
4/30/11 19:49	199.947876	-0.230903625	1811.010132	-0.105697632	1812.717285	-0.017284393	1812.928467	-0.208791733	1813.530396	-2.710237503	1810.940186	-0.074626923
4/30/11 19:59	209.9439545	-0.220466614	1811.020508	-0.102126122	1812.720825	0.000476837	1812.946167	-0.208670616	1813.530518	-2.714447975	1810.935913	-0.074510574
4/30/11 20:09	219.9481049	-0.238319397	1811.002686	-0.134613037	1812.688354	-0.258911133	1812.686768	-0.211829185	1813.527344	-2.717606544	1810.932739	-0.069015503
4/30/11 20:19	229.9294434	-0.227882385	1811.012085	-0.117956161	1812.705078	-0.022476196	1812.923218	-0.204109669	1813.535156	-2.709887505	1810.940552	-0.065618515
4/30/11 20:29	239.9272766	-0.233161926	1811.007813	-0.143951416	1812.679077	-0.019374847	1812.92627	-0.212650299	1813.526611	-2.709768295	1810.940674	-0.065507889
4/30/11 20:39	249.9377594	-0.249923706	1810.98999	-0.160765648	1812.662231	-0.014156342	1812.931519	-0.210427284	1813.528809	-2.711873055	1810.938477	-0.058958054
4/30/11 20:49	259.9354858	-0.256202698	1810.98584	-0.136834145	1812.686157	-0.034358978	1812.911377	-0.207037449	1813.532227	-2.704159737	1810.946289	-0.064222336
4/30/11 20:59	269.9232483	-0.272964478	1810.968018	-0.125494003	1812.69751	-0.037521362	1812.908203	-0.205866337	1813.533325	-2.711639404	1810.938721	-0.058719635
4/30/11 21:09	279.9238892	-0.262527466	1810.978516	-0.144137383	1812.678833	-0.041744232	1812.903931	-0.210079193	1813.529175	-2.715852737	1810.93457	-0.062932968
4/30/11 21:19	289.9251099	-0.281463623	1810.960571	-0.141008377	1812.682007	-0.045692444	1812.900024	-0.205635071	1813.533569	-2.711408615	1810.938965	-0.067144394
4/30/11 21:29	299.9246216	-0.257423401	1810.984619	-0.146203995	1812.676758	-0.299999237	1812.645752	-0.206570625	1813.532715	-2.70802021	1810.942383	-0.059429169
4/30/11 21:39	309.9195862	-0.275268555	1810.965698	-0.120001793	1812.703003	-0.05398941	1812.891724	-0.214059353	1813.525146	-2.706849098	1810.943604	-0.062589645
4/30/11 21:49	319.918335	-0.280540466	1810.961548	-0.116951942	1812.706055	-0.050880432	1812.894775	-0.205285072	1813.533936	-2.706734657	1810.943604	-0.058143616
4/30/11 21:59	329.9153442	-0.298370361	1810.942627	-0.143183708	1812.67981	-0.062431335	1812.883301	-0.205170631	1813.534058	-2.706616402	1810.943726	-0.062356949
4/30/11 22:09	339.9111023	-0.301559448	1810.939453	-0.102680206	1812.720337	-0.050807953	1812.894897	-0.203999519	1813.535278	-2.705449104	1810.944946	-0.056852341
4/30/11 22:19	349.9128113	-0.303695679	1810.937256	-0.098293304	1812.724731	-0.053836823	1812.891846	-0.198505402	1813.540771	-2.704277992	1810.946167	-0.060014725
4/30/11 22:29	359.9077759	-0.321525574	1810.919434	-0.12969017	1812.693359	-0.056079865	1812.889648	-0.200609684	1813.538574	-2.702054977	1810.948364	-0.053462982
4/30/11 22:39	369.9070129	-0.310028076	1810.93103	-0.132774353	1812.690186	-0.051795959	1812.893921	-0.195106506	1813.544189	-2.700883865	1810.949463	-0.056619644
4/30/11 22:49	379.9004211	-0.325767517	1810.915283	-0.141340256	1812.681641	-0.045528412	1812.900146	-0.191837788	1813.547363	-2.701938629	1810.948486	-0.057674408
4/30/11 22:59	389.9001465	-0.297477722	1810.928833	-0.127653122	1812.695313	-0.046585083	1812.89917	-0.188560486	1813.550659	-2.698665619	1810.95166	-0.058729172
4/30/11 23:09	399.8978577	-0.299583435	1810.941406	-0.137074471	1812.685913	-0.31968689	1812.625977	-0.182009697	1813.557251	-2.69644165	1810.953979	-0.047849655
4/30/11 23:19	409.8957214	-0.331039429	1810.909912	-0.102387428	1812.720581	-0.072761536	1812.872925	-0.184113979	1813.555176	-2.69854641	1810.951904	-0.054281235
4/30/11 23:29	419.8928528	-0.320571899	1810.92041	-0.121352196	1812.70166	-0.062351227	1812.883301	-0.179676056	1813.55957	-2.689776421	1810.960571	-0.045513153
4/30/11 23:39	429.8929138	-0.307998657	1810.919434	-0.123142242	1812.699829	-0.064594269	1812.881104	-0.17744875	1813.561768	-2.696208954	1810.954224	-0.043289185
4/30/11 23:49	439.8961182	-0.309043884	1810.932007	-0.109612465	1812.713379	-0.058322906	1812.887329	-0.174177647	1813.565063	-2.692933083	1810.95752	-0.044342041
4/30/11 23:59	449.8925171	-0.326904297	1810.914063	-0.112778664	1812.710205	-0.054031372	1812.891602	-0.17300415	1813.566162	-2.691764832	1810.958618	-0.043172836
5/1/11 0:09	459.879425	-0.315414429	1810.925537	-0.130685806	1812.692261	-0.057193756	1812.88855	-0.176163197	1813.56311	-2.681940079	1810.968506	-0.033348083
5/1/11 0:19	469.8830261	-0.31754303	1810.923462	-0.111951828	1812.71106	-0.074871063	1812.87085	-0.17066431	1813.568604	-2.685096741	1810.965332	-0.036504745

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW30E_WLD	MW30E_WLE	MW31A_WLD	MW31A_WLE	MW31C_WLD	MW31C_WLE	MW47B_WLD	MW47B_WLE	MW47C_WLD	MW47C_WLE	MW47D_WLD
5/1/11 0:29	479.881073	-0.3332901	1810.937012	-0.983931541	1811.839111	-0.060077667	1812.88562	-0.17066431	1813.568604	-2.68076992	1810.969604	-0.036504745
5/1/11 0:39	489.8788452	-0.321784973	1810.919189	-0.11496067	1812.708008	-0.048591614	1812.897095	-0.165170193	1813.574097	-2.683930397	1810.966431	-0.035337448
5/1/11 0:49	499.8612976	-0.323898315	1810.916016	-0.446723938	1812.376221	-0.050701141	1812.89502	-0.167274475	1813.572021	-2.673048019	1810.977295	-0.028787613
5/1/11 0:59	509.8616943	-0.327064514	1810.91394	-0.112762451	1812.710205	-0.05386734	1812.891846	-0.161777973	1813.577393	-2.676206589	1810.974121	-0.027614594
5/1/11 1:09	519.8577881	-0.329177856	1810.911865	-0.100292206	1812.722656	-0.048652649	1812.897095	-0.168212414	1813.571045	-2.673989296	1810.97644	-0.034051895
5/1/11 1:19	529.8606567	-0.328117371	1810.911865	-0.084573746	1812.738403	-0.047599792	1812.898071	-0.162830353	1813.576416	-2.677258492	1810.973145	-0.032999039
5/1/11 1:29	539.8572388	-0.300918579	1810.940063	-0.100371361	1812.722656	-0.04132843	1812.904419	-0.155229568	1813.583984	-2.661002159	1810.98938	-0.025398254
5/1/11 1:39	549.8531494	-0.328147888	1810.912842	-0.59741497	1812.225586	-0.04013443	1812.905518	-0.149847507	1813.589355	-2.664279938	1810.986084	-0.028665543
5/1/11 1:49	559.8547363	-0.313522339	1810.92749	-0.707325935	1812.115723	-0.047325134	1812.898438	-0.149847507	1813.589355	-2.664279938	1810.986084	-0.015687943
5/1/11 1:59	569.8573608	-0.328147888	1810.912842	-0.084573746	1812.738403	-0.047462463	1812.898193	-0.149847507	1813.589355	-2.664279938	1810.986084	-0.020011902
5/1/11 2:09	579.8534546	-0.331344604	1810.910767	-0.101346016	1812.72168	-0.042247772	1812.903442	-0.1476264	1813.591553	-2.65773201	1810.992676	-0.013467789
5/1/11 2:19	589.8516235	-0.316688538	1810.924316	-0.087895393	1812.735107	-0.043300629	1812.902344	-0.144351006	1813.594849	-2.654456139	1810.995972	-0.014518738
5/1/11 2:29	599.8493652	-0.311408997	1810.929565	-0.698219299	1812.124756	-0.045211792	1812.900513	-0.13908577	1813.600098	-2.649190903	1811.001221	-0.009254456
5/1/11 2:39	609.8544312	-0.311408997	1810.929565	-1.013371468	1812.747559	-0.045211792	1812.900513	-0.130430698	1813.608765	-2.644859314	1811.005493	-0.004922867
5/1/11 2:49	619.8500366	-0.320793152	1810.920166	-0.084581375	1812.738403	-0.025291443	1812.92041	-0.129495144	1813.609741	-2.648255348	1811.002197	-0.008317947
5/1/11 2:59	629.8358154	-0.318656921	1810.921265	-0.060652733	1812.762329	-0.045291901	1812.900391	-0.12306118	1813.616211	-2.650471687	1810.999878	-0.006212234
5/1/11 3:09	639.8425293	-0.305030823	1810.936035	-0.362076759	1812.460938	-0.024505615	1812.921143	-0.124115467	1813.615112	-2.638543129	1811.011841	-0.002939224
5/1/11 3:19	649.840332	-0.308189392	1810.932861	-0.057563782	1812.765381	-0.042324066	1812.90332	-0.127274036	1813.611938	-2.641702652	1811.008667	0.002557755
5/1/11 3:29	659.8231201	-0.296722412	1810.944336	-0.075544357	1812.747437	-0.023387909	1812.922363	-0.134757996	1813.604492	-2.636203766	1811.01416	0.008056641
5/1/11 3:39	669.822876	-0.298858643	1810.942139	-0.062996864	1812.76001	-0.025363922	1812.920288	-0.132537365	1813.606689	-2.633987427	1811.016357	0.010282516
5/1/11 3:49	679.8244629	-0.297805786	1810.943237	-0.069253922	1812.753784	-0.031616211	1812.914063	-0.131484985	1813.607788	-2.628602982	1811.021729	0.01566124
5/1/11 3:59	689.817688	-0.297828674	1810.944214	-0.677424431	1812.145508	-0.031478882	1812.914185	-0.131484985	1813.607788	-2.628602982	1811.021729	0.01566124
5/1/11 4:09	699.8319702	-0.323982239	1810.916992	-0.073435783	1812.749512	-0.028316498	1812.917358	-0.132653713	1813.61084	-2.629776001	1811.02063	0.027475357
5/1/11 4:19	709.8260498	-0.323982239	1810.931641	-0.066086769	1812.756836	-0.284656525	1812.661011	-0.132653713	1813.606567	-2.616788864	1811.033569	0.023147583
5/1/11 4:29	719.821228	-0.309326172	1810.931641	-0.360240936	1812.462769	-0.029373169	1812.91626	-0.133706093	1813.605469	-2.617840767	1811.032593	0.022096634
5/1/11 4:39	729.8097534	-0.295722961	1810.930664	-0.353007317	1812.469971	-0.022064209	1812.923584	-0.129378319	1813.609863	-2.617840767	1811.032593	0.026422501
5/1/11 4:49	739.8087769	-0.296798706	1810.945313	-0.068037033	1812.754883	-0.030284882	1812.915405	-0.134757996	1813.604492	-2.618893623	1811.031494	0.0340271
5/1/11 4:59	749.8054199	-0.308273315	1810.932739	-0.357975006	1812.464966	-0.012630463	1812.933105	-0.13160181	1813.607666	-2.611409187	1811.03894	0.032855988
5/1/11 5:09	759.8016968	-0.308296204	1810.932739	-0.674258232	1812.148682	-0.013542175	1812.932129	-0.128326416	1813.61084	-2.60813427	1811.042236	0.036130905
5/1/11 5:19	769.7966919	-0.296775818	1810.944214	-0.302601814	1812.520386	-0.023117065	1812.922607	-0.130430698	1813.608765	-2.605910301	1811.044434	0.038352966
5/1/11 5:29	779.7998047	-0.297859192	1810.943115	-0.069174767	1812.753784	-0.002056122	1812.943604	-0.131484985	1813.607788	-2.602637291	1811.047729	0.045955658
5/1/11 5:39	789.7988892	-0.299942017	1810.94104	-0.349799156	1812.473145	-0.011493683	1812.934204	-0.133591652	1813.605591	-2.600416183	1811.049927	0.048175812
5/1/11 5:49	799.7960815	-0.299995422	1810.94104	-1.089653969	1811.733276	-0.026008606	1812.919678	-0.133591652	1813.605591	-2.596088409	1811.054321	0.052503586
5/1/11 5:59	809.7993774	-0.302085876	1810.938965	-0.058732033	1812.764282	-0.01360321	1812.932129	-0.135695934	1813.603516	-2.598193169	1811.052246	0.05039978
5/1/11 6:09	819.8001709	-0.290557861	1810.935791	-0.714054108	1812.108887	-0.009441376	1812.936279	-0.138854504	1813.600342	-2.592697144	1811.057739	0.055894852
5/1/11 6:19	829.7947388	-0.279067993	1810.961914	-0.078748703	1812.744263	-0.004226685	1812.941406	-0.145288944	1813.593994	-2.586148262	1811.064209	0.058116913
5/1/11 6:29	839.7921143	-0.266487122	1810.974487	-0.06717205	1812.755859	-0.02936554	1812.916382	-0.139790058	1813.599487	-2.58497715	1811.06543	0.059288025
5/1/11 6:39	849.7927856	-0.282226563	1810.959839	-0.800889969	1812.022095	-0.023094177	1812.922607	-0.140842438	1813.598389	-2.590356827	1811.060059	0.058235168
5/1/11 6:49	859.7770996	-0.285400391	1810.970337	-0.063920021	1812.759033	-0.00428772	1812.941406	-0.139675617	1813.599609	-2.589190483	1811.061157	0.06373024
5/1/11 6:59	869.7738037	-0.289588928	1810.980713	-0.074478149	1812.748535	-0.022239685	1812.923462	-0.142832279	1813.596436	-2.583686829	1811.06665	0.056249619
5/1/11 7:09	879.7728882	-0.304222107	1810.936768	-0.786218643	1812.036743	-0.016105652	1812.929565	-0.139556885	1813.599609	-2.584739685	1811.065674	0.06385231
5/1/11 7:19	889.7697144	-0.290596008	1810.964111	-0.06919384	1812.753784	-0.017299652	1812.928345	-0.136279106	1813.602905	-2.585793495	1811.064575	0.062797546
5/1/11 7:29	899.7668457	-0.277984619	1810.963013	-0.085887909	1812.737061	-0.012218475	1812.933472	-0.138385773	1813.60083	-2.583577156	1811.066772	0.056360245
5/1/11 7:39	909.7659912	-0.274795532	1810.966187	-1.996304512	1810.82666	-0.010253906	1812.935425	-0.136279106	1813.602905	-2.58147049	1811.06897	0.062797546
5/1/11 7:49	919.7631836	-0.262214661	1810.993408	-0.055584908	1812.767456	-0.267780304	1812.677979	-0.137331486	1813.601929	-2.582522392	1811.067871	0.066068649
5/1/11 7:59	929.7573853	-0.245422363	1810.995605	-0.346652985	1812.476318	-0.00214386	1812.943604	-0.135224819	1813.604004	-2.584739685	1811.065674	0.059520721
5/1/11 8:09	939.7544556	-0.24118042	1810.999878	-1.053284645	1811.769653	0.009262085	1812.954956	-0.126692772	1813.612549	-2.589190483	1811.061157	0.059406281
5/1/11 8:19	949.7680054	-0.231712341	1811.009277	-0.040267944	1812.782715	0.010902405	1812.956543	-0.1319561	1813.6073	-2.585793495	1811.064575	0.062797546

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW30E_WLD	MW30E_WLE	MW31A_WLD	MW31A_WLE	MW31C_WLD	MW31C_WLE	MW47B_WLD	MW47B_WLE	MW47C_WLD	MW47C_WLE	MW47D_WLD
5/1/11 8:29	959.7615967	-0.218025208	1811.022949	-0.056062698	1812.766968	0.016899109	1812.962646	-0.13300848	1813.606201	-2.582522392	1811.067871	0.057415009
5/1/11 8:39	969.7555542	-0.204376221	1811.021973	-0.042458534	1812.780518	0.008377075	1812.954102	-0.134062767	1813.605225	-2.583577156	1811.066772	0.056360245
5/1/11 8:49	979.753479	-0.191749573	1811.049194	-0.036281586	1812.786743	0.014232635	1812.959961	-0.130782604	1813.608398	-2.584629059	1811.065796	0.055307388
5/1/11 8:59	989.7450562	-0.203216553	1811.037842	-0.034486771	1812.788452	0.023536682	1812.969238	-0.13300848	1813.606201	-2.586845398	1811.063599	0.057415009
5/1/11 9:09	999.7601318	-0.191642761	1811.049316	-0.030339241	1812.792603	0.027282715	1812.973022	-0.127511978	1813.611694	-2.585680962	1811.064697	0.06291008
5/1/11 9:19	1009.750244	-0.195777893	1811.045288	-0.034796715	1812.788208	0.029975891	1812.975708	-0.136045933	1813.603149	-2.585560799	1811.064819	0.067354202
5/1/11 9:29	1019.749146	-0.182029724	1811.05896	-0.006690979	1812.816284	0.03540802	1812.981079	-0.13710022	1813.602173	-2.582291603	1811.068115	0.066301346
5/1/11 9:39	1029.747192	-0.15738678	1811.084717	-0.071213722	1812.751709	0.041740417	1812.987427	-0.142363548	1813.596924	-2.578899384	1811.071533	0.069696426
5/1/11 9:49	1039.740234	-0.146156311	1811.094849	-0.294201851	1812.528809	0.039951324	1812.985596	-0.149854183	1813.589355	-2.582057953	1811.068359	0.062210083
5/1/11 9:59	1049.738892	-0.144927979	1811.096069	-0.118026733	1812.704956	0.054695129	1813.000366	-0.144469738	1813.594727	-2.58100605	1811.069336	0.063262939
5/1/11 10:09	1059.74707	-0.115837097	1811.125122	-0.015029907	1812.807983	0.05607605	1813.001709	-0.144469738	1813.594727	-2.589661598	1811.060791	0.058931351
5/1/11 10:19	1069.72522	-0.10546875	1811.135498	-0.004346848	1812.818604	0.059597015	1813.005249	-0.153010845	1813.586182	-2.585214615	1811.065186	0.063381195
5/1/11 10:29	1079.729004	-0.090919495	1811.149048	-0.026321411	1812.796631	0.089450836	1813.035156	-0.14867878	1813.590576	-2.580883026	1811.069458	0.063381195
5/1/11 10:39	1089.724976	-0.076309204	1811.164673	-0.026242256	1812.796753	0.060562134	1813.006226	-0.144355297	1813.594849	-2.585214615	1811.065186	0.054721832
5/1/11 10:49	1099.723145	-0.065788269	1811.175171	-0.015915871	1812.807129	0.092552185	1813.038208	-0.14856863	1813.590698	-2.589427948	1811.060913	0.054840088
5/1/11 10:59	1109.720703	-0.067955017	1811.173096	-0.010519028	1812.8125	0.098041534	1813.043701	-0.159327984	1813.579956	-2.595855713	1811.054565	0.052736282
5/1/11 11:09	1119.717285	-0.040763855	1811.200195	0.009426117	1812.832397	0.088882446	1813.034546	-0.152779579	1813.586426	-2.597962379	1811.05249	0.050630569
5/1/11 11:19	1129.715332	-0.014533997	1811.22644	0.013653755	1812.83667	0.100093842	1813.045776	-0.160261631	1813.578979	-2.596797943	1811.053589	0.043138504
5/1/11 11:29	1139.710205	-0.011444092	1811.229614	-0.005156517	1812.817871	0.096343994	1813.041992	-0.152779579	1813.586426	-2.602293968	1811.048096	0.046298981
5/1/11 11:39	1149.706421	-0.01146698	1811.229492	0.002192497	1812.825195	0.111118317	1813.056763	-0.157102585	1813.582153	-2.602293968	1811.048096	0.046298981
5/1/11 11:49	1159.718628	-0.012542725	1811.228516	-0.006212234	1812.816772	0.102893829	1813.048584	-0.149501801	1813.589722	-2.603348732	1811.046997	0.036588669
5/1/11 11:59	1169.719971	-0.011520386	1811.229492	0.002272606	1812.825195	0.104084015	1813.049805	-0.148447514	1813.59082	-2.602293968	1811.048096	0.041975021
5/1/11 12:09	1179.701172	0.007446289	1811.248413	0.013647079	1812.83667	0.100566864	1813.046265	-0.144236565	1813.594971	-2.606738091	1811.043701	0.037530899
5/1/11 12:19	1189.705322	-0.021903992	1811.219116	0.00641346	1812.829346	0.115200043	1813.060913	-0.144236565	1813.594971	-2.602406502	1811.047974	0.03319931
5/1/11 12:29	1199.699097	-0.018798828	1811.222168	0.016810417	1812.839844	0.111335754	1813.057007	-0.145410061	1813.593872	-2.612235069	1811.038208	0.03635788
5/1/11 12:39	1209.700073	-0.003082275	1811.237915	0.025180817	1812.848145	0.1198349	1813.065552	-0.144355297	1813.594849	-2.611180305	1811.039185	0.033088684
5/1/11 12:49	1219.697754	-0.020935059	1811.220093	0.015756607	1812.838745	0.117721558	1813.063477	-0.137809277	1813.60144	-2.608957291	1811.041382	0.030979156
5/1/11 12:59	1229.688965	0.010528564	1811.222168	0.009575844	1812.83252	0.118778229	1813.064453	-0.145410061	1813.593872	-2.607902527	1811.04248	0.03635788
5/1/11 13:09	1239.687256	-0.000991821	1811.23999	0.01290226	1812.835938	0.100120544	1813.045776	-0.146574497	1813.592651	-2.61340332	1811.036987	0.030860901
5/1/11 13:19	1249.681152	-0.003105164	1811.237915	-0.289574623	1812.533447	0.112663269	1813.05835	-0.140023708	1813.599243	-2.611180305	1811.039185	0.028757095
5/1/11 13:29	1259.67981	-0.012519836	1811.228516	-0.313588142	1812.509399	0.110610962	1813.056274	-0.143415451	1813.595825	-2.610244751	1811.040161	0.029691696
5/1/11 13:39	1269.67688	-0.026092529	1811.214966	0.039095879	1812.862061	0.096878052	1813.042603	-0.142363548	1813.596924	-2.604865074	1811.045532	0.035072327
5/1/11 13:49	1279.674561	0.000106812	1811.241089	0.013955116	1812.836914	0.122859955	1813.068604	-0.145522118	1813.59375	-2.603692055	1811.046753	0.036245346
5/1/11 13:59	1289.690552	-0.015342712	1811.225708	-0.661149979	1812.843262	0.105659485	1813.073364	-0.150906086	1813.588379	-2.600420952	1811.049927	0.03519249
5/1/11 14:09	1299.670654	-0.015266418	1811.225708	0.027607918	1812.850586	0.134529114	1813.0802	-0.150906086	1813.588379	-2.604743958	1811.045654	0.039516449
5/1/11 14:19	1309.682495	-0.015678406	1811.225342	0.034955978	1812.85791	0.122081757	1813.067749	-0.150906086	1813.588379	-2.604743958	1811.045654	0.03519249
5/1/11 14:29	1319.666016	-0.016586304	1811.225464	0.019319534	1812.842285	-0.128814697	1812.816895	-0.1476264	1813.591553	-2.60579586	1811.044556	0.038463593
5/1/11 14:39	1329.680908	-0.00177002	1811.239258	0.026312828	1812.849243	0.119510651	1813.065186	-0.151958466	1813.58728	-2.601472855	1811.04895	0.038463593
5/1/11 14:49	1339.670898	0.029701233	1811.270752	0.028820038	1812.851807	0.135997772	1813.081665	-0.149854183	1813.589355	-2.603692055	1811.046753	0.040567398
5/1/11 14:59	1349.670776	-0.00163269	1811.23938	0.033981323	1812.856934	0.126148224	1813.071899	-0.151958466	1813.58728	-2.60579586	1811.044556	0.042795181
5/1/11 15:09	1359.66748	0.012969971	1811.254028	0.004498482	1812.827515	0.14107132	1813.086792	-0.156281471	1813.583008	-2.60579586	1811.044556	0.038463593
5/1/11 15:19	1369.665039	-0.011100769	1811.229858	0.054076195	1812.877075	0.131694794	1813.077393	-0.15101862	1813.588257	-2.600533485	1811.049805	0.039403915
5/1/11 15:29	1379.666382	0.005180359	1811.246216	0.004887581	1812.827881	0.143890381	1813.0896	-0.153244019	1813.585938	-2.602758408	1811.047607	0.03717804
5/1/11 15:39	1389.665039	0.021888733	1811.262939	0.043395042	1812.866333	0.146274567	1813.091919	-0.151139736	1813.588135	-2.609309196	1811.041138	0.034955978
5/1/11 15:49	1399.647217	0.024055481	1811.265015	0.037441254	1812.860474	0.148113251	1813.09375	-0.153360844	1813.585815	-2.60720253	1811.043213	0.037061691
5/1/11 15:59	1409.646118	0.037757874	1811.27771	0.04227829	1812.507324	0.145446777	1813.099487	-0.146807671	1813.593506	-2.600653648	1811.050781	0.034955978
5/1/11 16:09	1419.645264	0.053695679	1811.294678	-0.307476997	1812.515503	0.153923035	1813.099609	-0.153360844	1813.585815	-2.602874756	1811.047485	0.037061691
5/1/11 16:19	1429.639771	0.02645874	1811.267456	0.031762123	1812.854736	0.148704529	1813.09436	-0.151254177	1813.588013	-2.605095863	1811.045288	0.043495178

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW30E_WLD	MW30E_WLE	MW31A_WLD	MW31A_WLE	MW31C_WLD	MW31C_WLE	MW47B_WLD	MW47B_WLE	MW47C_WLD	MW47C_WLE	MW47D_WLD
5/1/11 16:29	1439.636475	0.028404236	1811.269409	-0.251277924	1812.571655	0.158969879	1813.104614	-0.149149895	1813.590088	-2.602992058	1811.047363	0.041273117
5/1/11 16:39	1449.648315	0.01474762	1811.255737	0.028326035	1812.851318	0.160293579	1813.105957	-0.152425289	1813.586792	-2.601939201	1811.048462	0.037998199
5/1/11 16:49	1459.631104	0.014801025	1811.255859	0.050460815	1812.873413	0.160018921	1813.105713	-0.152425289	1813.586792	-2.597612381	1811.052734	0.04665184
5/1/11 16:59	1469.628906	0.001144409	1811.243164	0.036854744	1812.859863	0.153888702	1813.099609	-0.155700684	1813.583496	-2.600887299	1811.049561	0.047704697
5/1/11 17:09	1479.625854	0.016838074	1811.257813	0.060126305	1812.883057	0.147891998	1813.093628	-0.154646397	1813.584595	-2.59117794	1811.059204	0.053091049
5/1/11 17:19	1489.62439	0.002151489	1811.243164	0.045542717	1812.86853	-0.093795776	1812.851929	-0.158973694	1813.580322	-2.595505714	1811.054932	0.04875946
5/1/11 17:29	1499.62207	-0.013542175	1811.227417	0.022352219	1812.845337	0.154026031	1813.099731	-0.160027981	1813.579224	-2.596559525	1811.053833	0.052036285
5/1/11 17:39	1509.622559	-0.02709198	1811.213867	0.030997276	1812.854004	0.162132263	1813.107788	-0.163301468	1813.575928	-2.586845398	1811.063599	0.053091049
5/1/11 17:49	1519.621948	-0.027114868	1811.213867	0.023727417	1812.84668	0.140293121	1813.085938	-0.163301468	1813.575928	-2.59117794	1811.059204	0.053091049
5/1/11 17:59	1529.623169	-0.026092529	1811.215942	0.017308235	1812.840332	0.148807526	1813.094482	-0.162249088	1813.577026	-2.590126038	1811.060303	0.054143906
5/1/11 18:09	1539.619629	-0.028251648	1811.213867	0.022590637	1812.845581	0.139652252	1813.085327	-0.173010826	1813.566162	-2.587900162	1811.0625	0.052036285
5/1/11 18:19	1549.622559	-0.044021606	1811.197021	0.052072525	1812.875	0.1471138	1813.092773	-0.168683529	1813.570557	-2.587900162	1811.0625	0.056360245
5/1/11 18:29	1559.610474	-0.029335022	1811.21167	0.029202461	1812.852173	0.153381348	1813.099121	-0.174063206	1813.565186	-2.584629059	1811.065796	0.055307388
5/1/11 18:39	1569.606567	-0.028305054	1811.212646	0.015595436	1812.838623	0.147247314	1813.092896	-0.173010826	1813.566162	-2.583577156	1811.066772	0.056360245
5/1/11 18:49	1579.605103	-0.028327942	1811.212646	-0.006538391	1812.816406	0.154716492	1813.100464	-0.168683529	1813.570557	-2.587900162	1811.0625	0.056360245
5/1/11 18:59	1589.605225	-0.044075012	1811.196899	0.03651619	1812.859497	0.146331787	1813.092041	-0.174063206	1813.565186	-2.584629059	1811.065796	0.055307388
5/1/11 19:09	1599.606445	-0.045158386	1811.195801	0.020959854	1812.843994	0.152744293	1813.098389	-0.179442883	1813.559814	-2.585680962	1811.064697	0.058588028
5/1/11 19:19	1609.600952	-0.074478149	1811.166504	0.050123215	1812.873047	0.152606964	1813.098267	-0.175115108	1813.564087	-2.56403923	1811.086304	0.084552765
5/1/11 19:29	1619.597168	-0.059738159	1811.181274	-0.008249283	1812.814697	0.145004272	1813.090698	-0.179442883	1813.559814	-2.581349373	1811.069092	0.058588028
5/1/11 19:39	1629.599731	-0.075508118	1811.165527	0.042198181	1812.865234	0.092823029	1813.038574	-0.176167488	1813.56311	-2.591056824	1811.059326	0.057535172
5/1/11 19:49	1639.591675	-0.061920166	1811.179077	-0.002725601	1812.820313	0.121349335	1813.067017	-0.185874939	1813.553345	-2.596441269	1811.053955	0.052150726
5/1/11 19:59	1649.584351	-0.077682495	1811.16333	0.018191338	1812.841187	0.098453522	1813.044189	-0.182601452	1813.556641	-2.588840485	1811.061523	0.055429459
5/1/11 20:09	1659.59436	-0.094451904	1811.146606	0.030902863	1812.853882	0.11831665	1813.063965	-0.180380344	1813.558838	-2.586614609	1811.063721	0.057645798
5/1/11 20:19	1669.585815	-0.096618652	1811.144409	0.028635025	1812.851563	0.123809814	1813.069458	-0.191140175	1813.548096	-2.584396362	1811.06604	0.055540085
5/1/11 20:29	1679.580811	-0.099784851	1811.141235	0.018157005	1812.841187	0.105854034	1813.051514	-0.189971447	1813.549316	-2.583222389	1811.067139	0.056715012
5/1/11 20:39	1689.576782	-0.130187988	1811.11084	0.031410217	1812.85437	0.119594574	1813.065308	-0.19102335	1813.548218	-2.579951286	1811.070435	0.059986115
5/1/11 20:49	1699.577759	-0.131217957	1811.109741	0.00146389	1812.824463	0.111068726	1813.056763	-0.183422565	1813.555786	-2.58100605	1811.069336	0.063262939
5/1/11 20:59	1709.586304	-0.11971283	1811.121338	-0.008073807	1812.814941	0.116428375	1813.062134	-0.185526848	1813.553711	-2.578778267	1811.071655	0.061159134
5/1/11 21:09	1719.581299	-0.136543274	1811.104492	0.004559517	1812.827515	0.106071472	1813.052856	-0.18435812	1813.554932	-2.581936836	1811.068481	0.062326431
5/1/11 21:19	1729.581055	-0.138656616	1811.102295	-0.006159782	1812.816772	0.096633911	1813.042358	-0.186464787	1813.552734	-2.579715729	1811.070679	0.064548492
5/1/11 21:29	1739.563477	-0.141815186	1811.10022	0.005656242	1812.828613	0.07882309	1813.024536	-0.185293674	1813.553955	-2.574217796	1811.076172	0.065719604
5/1/11 21:39	1749.560181	-0.145004272	1811.095947	-0.012171745	1812.810791	0.083118439	1813.028809	-0.188454628	1813.550781	-2.573055267	1811.077393	0.06688118
5/1/11 21:49	1759.557617	-0.148170471	1811.092896	-0.293930054	1812.529053	0.07995224	1813.025635	-0.19161129	1813.547607	-2.576211929	1811.074219	0.063724518
5/1/11 21:59	1769.557129	-0.149230957	1811.091797	0.005505562	1812.828491	0.078895569	1813.024658	-0.188335896	1813.550903	-2.572932243	1811.077515	0.067005157
5/1/11 22:09	1779.554077	-0.151359558	1811.0896	0.003474236	1812.826416	0.07692337	1813.022583	-0.190442085	1813.548828	-2.57503891	1811.075317	0.064897537
5/1/11 22:19	1789.557861	-0.168136597	1811.073975	-0.01947403	1812.803467	0.075874329	1813.021606	-0.187166691	1813.552002	-2.576090813	1811.074341	0.06816864
5/1/11 22:29	1799.557373	-0.1534729	1811.116943	-0.005869865	1812.817139	0.082141876	1813.027832	-0.188221455	1813.551025	-2.577145576	1811.073242	0.062791824
5/1/11 22:39	1809.55481	-0.139846802	1811.086426	-0.007082939	1812.815918	0.059108734	1813.004761	-0.18494606	1813.554321	-2.578197479	1811.072144	0.061738968
5/1/11 22:49	1819.551758	-0.155601501	1811.085449	0.006407738	1812.829346	0.072849274	1813.018555	-0.1773386	1813.557617	-2.583581924	1811.071167	0.065010071
5/1/11 22:59	1829.546509	-0.15663147	1811.084351	-0.001799583	1812.821167	0.064323425	1813.01001	-0.182722569	1813.556519	-2.580301285	1811.070068	0.063959122
5/1/11 23:09	1839.539307	-0.144088745	1811.096924	0.011072159	1812.834106	0.077007294	1813.022705	-0.180495262	1813.558716	-2.578083038	1811.072266	0.061853409
5/1/11 23:19	1849.550415	-0.145141602	1811.095825	-0.33422184	1812.48877	0.061302185	1813.006958	-0.181549549	1813.557617	-2.57480526	1811.075562	0.060800552
5/1/11 23:29	1859.549072	-0.160881042	1811.080078	0.009119034	1812.832153	0.074897766	1813.02063	-0.178278446	1813.560913	-2.575857162	1811.074585	0.064079285
5/1/11 23:39	1869.531494	-0.161911011	1811.079102	-0.028492928	1812.794434	0.066375732	1813.012085	-0.175000668	1813.564209	-2.576911926	1811.073486	0.067352295
5/1/11 23:49	1879.530762	-0.161857605	1811.079102	0.000715256	1812.82373	0.06596756	1813.011719	-0.175000668	1813.564209	-2.576911926	1811.073486	0.063024521
5/1/11 23:59	1889.539551	-0.176460266	1811.064575	-0.006676674	1812.816284	-0.190513611	1812.755127	-0.170677662	1813.568604	-2.572584152	1811.077759	0.067352295
5/2/11 0:09	1899.542114	-0.178573608	1811.0625	-0.001471519	1812.821533	0.063716888	1813.009399	-0.172781944	1813.566406	-2.570361137	1811.080078	0.065248489
5/2/11 0:19	1909.532227	-0.179634094	1811.061401	-0.017073631	1812.805908	0.062660217	1813.008301	-0.173834324	1813.56543	-2.575740814	1811.074707	0.068523407

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW30E_WLD	MW30E_WLE	MW31A_WLD	MW31A_WLE	MW31C_WLD	MW31C_WLE	MW47B_WLD	MW47B_WLE	MW47C_WLD	MW47C_WLE	MW47D_WLD
5/2/11 0:29	1919.529785	-0.16594696	1811.075073	-0.289251328	1812.533691	0.061058044	1813.006714	-0.174886227	1813.564331	-2.572464943	1811.077881	0.067472458
5/2/11 0:39	1929.521362	-0.182617188	1811.05835	0.001655579	1812.824585	0.065856934	1813.011597	-0.168337822	1813.570923	-2.570243835	1811.0802	0.069692612
5/2/11 0:49	1939.518555	-0.183753967	1811.057251	0.00052166	1812.823486	0.057888031	1813.00354	-0.169392109	1813.569824	-2.571298599	1811.079102	0.072965622
5/2/11 0:59	1949.516357	-0.185966492	1811.069702	-0.000534058	1812.82251	0.050060272	1812.995728	-0.170444489	1813.568848	-2.568023682	1811.082397	0.067586899
5/2/11 1:09	1959.508789	-0.186042786	1811.054932	-0.001586914	1812.821411	-0.001838684	1812.943848	-0.167164326	1813.572021	-2.569075584	1811.081299	0.070861816
5/2/11 1:19	1969.519775	-0.18711853	1811.053955	-0.017224312	1812.805786	-0.207832336	1812.737915	-0.168216705	1813.571045	-2.570127487	1811.080322	0.074136734
5/2/11 1:29	1979.518677	-0.20174408	1811.039307	-0.009673119	1812.813354	0.048366547	1812.994019	-0.163888931	1813.575317	-2.561468124	1811.088867	0.074136734
5/2/11 1:39	1989.518921	-0.18711853	1811.053955	-0.288187027	1812.53479	0.048503876	1812.994141	-0.163888931	1813.575317	-2.557145119	1811.093262	0.078468323
5/2/11 1:49	1999.516846	-0.187171936	1811.039185	-0.002484322	1812.820557	-0.200233459	1812.745483	-0.163888931	1813.575317	-2.557145119	1811.093262	0.082792282
5/2/11 1:59	2009.499146	-0.187171936	1811.039185	0.034891129	1812.85791	0.042510986	1812.988159	-0.158509254	1813.580688	-2.556092262	1811.094238	0.088176727
5/2/11 2:09	2019.507568	-0.200828552	1811.05481	0.012756348	1812.835693	0.042785645	1812.988525	-0.158509254	1813.580688	-2.551760674	1811.098633	0.092498779
5/2/11 2:19	2029.502441	-0.199768066	1811.04126	0.013809204	1812.836792	0.051166534	1812.996826	-0.157457352	1813.581787	-2.550708771	1811.099731	0.093551636
5/2/11 2:29	2039.500854	-0.185119629	1811.055908	0.006699562	1812.829712	0.051166534	1812.996826	-0.161784649	1813.577393	-2.546385765	1811.104004	0.09787941
5/2/11 2:39	2049.498047	-0.186172485	1811.05481	0.012836456	1812.835815	0.064762115	1813.010498	-0.158509254	1813.580688	-2.543109894	1811.1073	0.105482101
5/2/11 2:49	2059.484375	-0.170455933	1811.070557	0.021282196	1812.844238	0.073143005	1813.018799	-0.157457352	1813.581787	-2.537730217	1811.112671	0.09787941
5/2/11 2:59	2069.48291	-0.185142517	1811.055908	-0.000772476	1812.822266	-0.183059692	1812.762695	-0.148806572	1813.590454	-2.533402443	1811.116943	0.106534958
5/2/11 3:09	2079.496338	-0.185142517	1811.055908	0.006858826	1812.829834	0.065952301	1813.011597	-0.148806572	1813.590454	-2.529070854	1811.121338	0.115188599
5/2/11 3:19	2089.478027	-0.171539307	1811.069458	0.005645752	1812.828613	0.072227478	1813.017944	-0.154181957	1813.585083	-2.530122757	1811.120239	0.11413765
5/2/11 3:29	2099.477783	-0.174674988	1811.066284	0.017223358	1812.84021	0.061595917	1813.007324	-0.153017044	1813.586182	-2.524626732	1811.125732	0.119634628
5/2/11 3:39	2109.487549	-0.177871704	1811.048462	-0.593875885	1812.229126	-0.183120728	1812.762573	-0.15617609	1813.583008	-2.519129753	1811.131226	0.129461288
5/2/11 3:49	2119.486084	-0.181007385	1811.060059	0.010893822	1812.833862	0.069919586	1813.015625	-0.159332752	1813.579834	-2.517963409	1811.132446	0.126306534
5/2/11 3:59	2129.496338	-0.200965881	1811.03894	0.012931824	1812.835938	0.064781189	1812.768799	-0.168920994	1813.570313	-2.518897057	1811.13147	0.129695892
5/2/11 4:09	2139.475342	-0.186309814	1811.054688	0.020280838	1812.843262	0.072090149	1813.017822	-0.164597988	1813.574585	-2.510241508	1811.140137	0.129695892
5/2/11 4:19	2149.474121	-0.159011841	1811.082031	0.025803566	1812.848755	0.069705963	1813.015381	-0.162370205	1813.576904	-2.512345314	1811.138062	0.136241913
5/2/11 4:29	2159.470703	-0.165374756	1811.075684	0.013215065	1812.836182	0.079219818	1813.024902	-0.171967506	1813.567261	-2.508960724	1811.141479	0.130975723
5/2/11 4:39	2169.468018	-0.164344788	1811.07666	-0.016030312	1812.807007	0.086681366	1813.032349	-0.167635441	1813.571533	-2.504628181	1811.145752	0.135309219
5/2/11 4:49	2179.46875	-0.165405273	1811.075562	-0.280939102	1812.541992	0.078296661	1813.024048	-0.16868782	1813.570557	-2.505680084	1811.144775	0.138580322
5/2/11 4:59	2189.466309	-0.181137085	1811.075562	0.012000084	1812.834961	0.071109772	1813.016846	-0.164364338	1813.574829	-2.501357079	1811.149048	0.142911911
5/2/11 5:09	2199.45874	-0.151817322	1811.089233	0.003518105	1812.826538	0.077381134	1813.023071	-0.156757355	1813.58252	-2.502409935	1811.147949	0.146186829
5/2/11 5:19	2209.455322	-0.154960632	1811.056763	0.007779121	1812.830811	0.074081421	1813.019775	-0.159918308	1813.579346	-2.501238823	1811.14917	0.138698578
5/2/11 5:29	2219.459473	-0.170707703	1811.070313	-0.608955383	1812.213989	0.065834045	1813.011475	-0.160970211	1813.578247	-2.497962952	1811.152466	0.141973495
5/2/11 5:39	2229.449707	-0.170707703	1811.070313	0.021465302	1812.844482	0.073162079	1813.018799	-0.156642914	1813.582642	-2.502290726	1811.148071	0.14630127
5/2/11 5:49	2239.445801	-0.170730591	1811.070313	0.021305084	1812.844238	0.087947845	1813.033691	-0.160970211	1813.578247	-2.502290726	1811.148071	0.141973495
5/2/11 5:59	2249.452881	-0.169677734	1811.071289	0.02967453	1812.852661	0.081680298	1813.027344	-0.155590534	1813.583618	-2.496911049	1811.153442	0.143026352
5/2/11 6:09	2259.451416	-0.156074524	1811.055664	0.014116287	1812.837158	0.080623627	1813.026367	-0.15231514	1813.586914	-2.497962952	1811.152466	0.14630127
5/2/11 6:19	2269.447021	-0.169647217	1811.071411	-0.248522758	1812.574463	0.07421875	1813.019897	-0.15126276	1813.588013	-2.496911049	1811.153442	0.143026352
5/2/11 6:29	2279.442139	-0.156044006	1811.084961	0.02893734	1812.851929	0.080486298	1813.026123	-0.147987366	1813.591309	-2.493635178	1811.156738	0.14630127
5/2/11 6:39	2289.440186	-0.188529968	1811.05249	0.040437698	1812.863403	0.091976166	1813.03772	-0.151144028	1813.588135	-2.492464066	1811.157959	0.147472382
5/2/11 6:49	2299.436523	-0.16129303	1811.079712	-0.255011559	1812.567993	0.097053528	1813.042725	-0.144590855	1813.594604	-2.490242958	1811.160156	0.149694443
5/2/11 6:59	2309.432129	-0.134010315	1811.107056	0.021074295	1812.521606	0.08000946	1813.040405	-0.151029587	1813.588257	-2.492349625	1811.158081	0.151914597
5/2/11 7:09	2319.422119	-0.137969971	1811.103027	-0.613130569	1812.209839	0.0963974	1813.042114	-0.15090847	1813.588379	-2.483577728	1811.166748	0.15203476
5/2/11 7:19	2329.419678	-0.111106873	1811.129883	-0.110724449	1812.71228	0.096973419	1813.042725	-0.149744034	1813.589478	-2.486737251	1811.163696	0.157531738
5/2/11 7:29	2339.431396	-0.10243988	1811.13855	0.029495239	1812.852539	0.088855743	1813.034546	-0.160384655	1813.578857	-2.484398842	1811.166016	0.155538559
5/2/11 7:39	2349.41333	-0.076416016	1811.149902	0.025774956	1812.848755	0.101169586	1813.046875	-0.159218311	1813.579956	-2.487555504	1811.162842	0.152381897
5/2/11 7:49	2359.411865	-0.062820435	1811.177124	0.017168045	1812.840088	0.100112915	1813.045776	-0.160270214	1813.578979	-2.48860836	1811.161743	0.151329041
5/2/11 7:59	2369.42627	-0.050262451	1811.190796	-0.26483345	1812.558105	0.104412079	1813.050049	-0.159099102	1813.580078	-2.496091843	1811.154297	0.148168564
5/2/11 8:09	2379.420898	-0.05355072	1811.1875	0.033309937	1812.856323	0.102993011	1813.048706	-0.161203384	1813.578003	-2.498196602	1811.152222	0.146062851
5/2/11 8:19	2389.417236	-0.056900024	1811.184082	0.03761673	1812.860596	-0.140914917	1812.80481	-0.151383877	1813.587891	-2.497032166	1811.15332	0.142904282

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW30E_WLD	MW30E_WLE	MW31A_WLD	MW31A_WLE	MW31C_WLD	MW31C_WLE	MW47B_WLD	MW47B_WLE	MW47C_WLD	MW47C_WLE	MW47D_WLD
5/2/11 8:29	2399.406738	-0.072181702	1811.168823	0.050906181	1812.873901	0.10458374	1813.050293	-0.161091328	1813.578125	-2.502407074	1811.147949	0.146181107
5/2/11 8:39	2409.401611	-0.077400208	1811.178345	0.023338318	1812.846313	0.106357574	1813.052002	-0.157699108	1813.581543	-2.503347397	1811.147095	0.13658905
5/2/11 8:49	2419.400879	-0.051246643	1811.188721	0.041193008	1812.864136	0.110656738	1813.056396	-0.15653038	1813.582764	-2.502178192	1811.148193	0.133430481
5/2/11 8:59	2429.402588	-0.038703918	1811.202271	-0.275034904	1812.547974	0.115856171	1813.061523	-0.162964344	1813.576294	-2.508612633	1811.141724	0.131324768
5/2/11 9:09	2439.40332	-0.039634705	1811.201416	0.024479866	1812.847412	0.128898621	1813.074585	-0.155357361	1813.583862	-2.509664536	1811.140747	0.121616364
5/2/11 9:19	2449.401367	-0.026069641	1811.214966	0.052828789	1812.875854	-0.128219604	1812.817505	-0.152086258	1813.587158	-2.515040398	1811.135376	0.129220963
5/2/11 9:29	2459.397217	-0.042800903	1811.198242	0.065620422	1812.88855	0.125598907	1813.071289	-0.149860859	1813.589355	-2.512823105	1811.137573	0.127113342
5/2/11 9:39	2469.395752	-0.031524658	1811.209473	0.054548264	1812.877563	0.123809814	1813.069458	-0.144364357	1813.594849	-2.515982628	1811.134399	0.128282547
5/2/11 9:49	2479.39209	-0.03377533	1811.207275	0.052519798	1812.875488	0.10774231	1813.053467	-0.146468639	1813.592773	-2.513758659	1811.136597	0.121850967
5/2/11 9:59	2489.388672	-0.020011902	1811.220947	0.073554039	1812.896484	0.12783432	1813.073486	-0.147521019	1813.591675	-2.514811516	1811.13562	0.120798111
5/2/11 10:09	2499.385254	-0.020240784	1811.220825	0.066205978	1812.88916	0.143722534	1813.089355	-0.138865471	1813.600342	-2.510483742	1811.139893	0.120798111
5/2/11 10:19	2509.378174	-0.005523682	1811.235474	-0.190015793	1812.632935	0.150913239	1813.096558	-0.138865471	1813.600342	-2.519138336	1811.131226	0.120798111
5/2/11 10:29	2519.37793	-0.007453918	1811.233521	0.040925026	1812.863892	0.13318634	1813.078857	-0.13664484	1813.602539	-2.516917229	1811.133423	0.123018265
5/2/11 10:39	2529.375244	0.006378174	1811.247437	0.077701569	1812.900635	0.138217926	1813.083862	-0.133371353	1813.605835	-2.517971992	1811.132446	0.117637634
5/2/11 10:49	2539.369141	-0.009315491	1811.231689	0.07585144	1812.898804	0.137023926	1813.082764	-0.130095959	1813.609131	-2.519023895	1811.131348	0.120912552
5/2/11 10:59	2549.376465	0.006225586	1811.247192	0.062322617	1812.885254	0.146369934	1813.092041	-0.129044056	1813.610229	-2.513644218	1811.136719	0.121965408
5/2/11 11:09	2559.382324	-0.009567261	1811.232544	0.083800316	1812.906738	0.131072998	1813.076782	-0.125772953	1813.613403	-2.519023895	1811.131348	0.116584778
5/2/11 11:19	2569.375244	0.005065918	1811.246094	0.069254875	1812.892212	0.153186798	1813.098877	-0.125772953	1813.613403	-2.519023895	1811.131348	0.116584778
5/2/11 11:29	2579.378662	0.018592834	1811.259644	0.083958626	1812.906982	-0.088108063	1812.857544	-0.125772953	1813.613403	-2.523351669	1811.127075	0.112262726
5/2/11 11:39	2589.356445	0.048400879	1811.289429	0.060055733	1812.883057	0.15007019	1813.095703	-0.126824856	1813.612427	-2.520076752	1811.130371	0.115533829
5/2/11 11:49	2599.36792	0.005088806	1811.246094	0.054512978	1812.877441	0.160377502	1813.106079	-0.121440887	1813.617798	-2.519023895	1811.131348	0.120912552
5/2/11 11:59	2609.36499	0.019729614	1811.260742	0.09838295	1812.921387	0.16783905	1813.113525	-0.121440887	1813.617798	-2.519023895	1811.131348	0.116584778
5/2/11 12:09	2619.362305	0.005088806	1811.246094	0.099039078	1812.921021	-0.094909668	1812.849731	-0.120388508	1813.617798	-2.517971992	1811.131348	0.117637634
5/2/11 12:19	2629.360352	0.005172729	1811.246094	0.105492592	1812.928467	-0.10370636	1812.842041	-0.117117882	1813.62207	-2.514697075	1811.135742	0.120912552
5/2/11 12:29	2639.361328	0.019752502	1811.260742	0.114180565	1812.937134	0.176067352	1813.121826	-0.116065502	1813.623169	-2.517971992	1811.132446	0.121965408
5/2/11 12:39	2649.344482	0.022911072	1811.263916	0.087204933	1812.910156	0.163543701	1813.109253	-0.10962677	1813.629639	-2.511537552	1811.138916	0.119743347
5/2/11 12:49	2659.339355	0.02268219	1811.264771	0.116449356	1812.939453	0.172111511	1813.117798	-0.10962677	1813.629639	-2.511537552	1811.138916	0.124071121
5/2/11 12:59	2669.335938	0.052085876	1811.293091	0.109056473	1812.932007	0.179141998	1813.124878	-0.113958836	1813.625244	-2.507210732	1811.143188	0.124071121
5/2/11 13:09	2679.333984	0.039405823	1811.280396	0.148202896	1812.971191	0.196456909	1813.14209	-0.111852169	1813.627441	-2.505104065	1811.145264	0.126178741
5/2/11 13:19	2689.345459	0.069755554	1811.310791	0.07582283	1812.898804	0.183132172	1813.128784	-0.106468201	1813.632813	-2.504051208	1811.146362	0.127229691
5/2/11 13:29	2699.345703	0.069648743	1811.310669	0.142802238	1812.964722	0.206718445	1813.151367	-0.109747887	1813.628418	-2.502999306	1811.146362	0.123954773
5/2/11 13:39	2709.337891	0.087882996	1811.328857	0.115704536	1812.938721	0.192108154	1813.137817	-0.111964703	1813.627319	-2.509548187	1811.140869	0.126060486
5/2/11 13:49	2719.338135	0.073921204	1811.31604	0.125128746	1812.94812	0.196006775	1813.141724	-0.10553503	1813.633667	-2.503113747	1811.147217	0.128168106
5/2/11 13:59	2729.335693	0.090774536	1811.331787	0.119029045	1812.942017	-0.29391861	1812.651733	-0.113137722	1813.626099	-2.506389618	1811.144043	0.129220963
5/2/11 14:09	2739.329102	0.063301086	1811.304321	0.121297836	1812.944336	0.222106934	1813.167847	-0.106701374	1813.632568	-2.504284859	1811.146118	0.131324768
5/2/11 14:19	2749.330811	0.064201355	1811.304077	0.121376991	1812.944336	0.215614319	1813.161377	-0.11103344	1813.628174	-2.504284859	1811.146118	0.127000809
5/2/11 14:29	2759.324219	0.108230591	1811.349243	0.144248962	1812.967285	0.216533661	1813.162231	-0.109981537	1813.629272	-2.503232956	1811.147217	0.132375717
5/2/11 14:39	2769.327148	0.06791687	1811.30896	0.125358582	1812.948364	0.238918304	1813.18457	-0.106820583	1813.632446	-2.5043993	1811.145996	0.139865875
5/2/11 14:49	2779.323975	0.069496155	1811.310547	0.134941101	1812.957886	0.229129791	1813.174805	-0.109039307	1813.630127	-2.49796772	1811.152466	0.137641907
5/2/11 14:59	2789.320557	0.114433289	1811.355469	0.157971382	1812.980957	0.230869293	1813.176514	-0.112314701	1813.626953	-2.505565643	1811.144775	0.134370804
5/2/11 15:09	2799.305176	0.116638184	1811.356567	0.116128922	1812.939087	0.225105286	1813.170776	-0.110210419	1813.629028	-2.499138832	1811.151245	0.140798569
5/2/11 15:19	2809.324219	0.102035522	1811.344116	0.152709007	1812.975708	0.21856308	1813.164307	-0.109155655	1813.630127	-2.493756294	1811.156616	0.141853333
5/2/11 15:29	2819.321045	0.122207642	1811.362183	0.105529785	1812.928467	0.220489502	1813.166138	-0.105997086	1813.633179	-2.490597725	1811.15979	0.145011902
5/2/11 15:39	2829.304688	0.093727112	1811.334717	0.158459663	1812.982544	0.238208771	1813.184937	-0.112547874	1813.627686	-2.488492966	1811.162964	0.151443481
5/2/11 15:49	2839.297363	0.09677124	1811.337769	0.133016586	1812.956055	0.234737396	1813.18042	-0.105061531	1813.634155	-2.48966217	1811.160767	0.154602051
5/2/11 15:59	2849.302002	0.126167297	1811.367188	0.141423225	1812.963379	-0.00617218	1812.938477	-0.108335018	1813.629883	-2.48860836	1811.160767	0.151329041
5/2/11 16:09	2859.29541	0.126167297	1811.367188	0.140048027	1812.963013	0.241786957	1813.1875	-0.113721371	1813.625488	-2.48966217	1811.160767	0.150274277
5/2/11 16:19	2869.293457	0.09690094	1811.337891	0.132221222	1812.9552	0.219402313	1813.165039	-0.113721371	1813.625488	-2.481006622	1811.169434	0.150274277

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW30E_WLD	MW30E_WLE	MW31A_WLD	MW31A_WLE	MW31C_WLD	MW31C_WLE	MW47B_WLD	MW47B_WLE	MW47C_WLD	MW47C_WLE	MW47D_WLD
5/2/11 16:29	2879.296631	0.086509705	1811.327515	0.158017159	1812.980957	0.230670929	1813.176392	-0.109510422	1813.629761	-2.485451698	1811.164917	0.158813477
5/2/11 16:30	2879.983643	0.086509705	1811.327515	0.128727913	1812.95166	0.245319366	1813.19104	-0.113833427	1813.625366	-2.485451698	1811.164917	0.150161743
5/2/11 16:30	2880.150391	0.084403992	1811.325439	0.141283035	1812.964233	0.250534058	1813.196289	-0.111614704	1813.627563	-2.30578804	1811.344604	0.148057938
5/2/11 16:30	2880.317627	0.084403992	1811.325439	0.133934021	1812.956909	0.213909149	1813.159668	-0.107282639	1813.631958	-1.851373672	1811.799072	0.148057938
5/2/11 16:30	2880.48584	0.070770264	1811.310791	-0.137109756	1812.685913	0.228561401	1813.174316	-0.102954865	1813.63623	-1.440236092	1812.210205	0.148057938
5/2/11 16:30	2880.652588	0.069717407	1811.310791	0.14136219	1812.964355	0.221237183	1813.166992	-0.094299793	1813.644897	-1.189227104	1812.461182	0.148057938
5/2/11 16:31	2880.820313	0.084381104	1811.325439	0.119350433	1812.942383	0.228702545	1813.174438	-0.085644722	1813.653564	-1.059394836	1812.590942	0.152381897
5/2/11 16:31	2880.987305	0.09903717	1811.325439	0.14136219	1812.964355	0.236026764	1813.181763	-0.072661877	1813.666626	-0.903593063	1812.746826	0.156709671
5/2/11 16:31	2881.154541	0.084350586	1811.325317	0.135068893	1812.958008	0.229892731	1813.175537	-0.0672822	1813.671997	-0.815984726	1812.834351	0.15776062
5/2/11 16:31	2881.322754	0.099014282	1811.341064	0.134013176	1812.957031	0.214187622	1813.159912	-0.064006805	1813.675171	-0.717498779	1812.932861	0.152381897
5/2/11 16:31	2881.489746	0.084381104	1811.326416	0.134013176	1812.957031	0.221378326	1813.167114	-0.055351734	1813.683838	-0.661239624	1812.989136	0.156709671
5/2/11 16:31	2881.656982	0.084381104	1811.325439	0.134013176	1812.957031	-0.027641296	1812.918091	-0.046696663	1813.692505	-0.604976654	1813.04541	0.161035538
5/2/11 16:32	2881.825195	0.085426331	1811.326416	0.126699448	1812.949707	0.221378326	1813.167114	-0.042364597	1813.696899	-0.540061951	1813.110352	0.161035538
5/2/11 16:32	2881.992432	0.085403442	1811.326416	0.135148048	1812.95813	0.229892731	1813.175537	-0.032661438	1813.706543	-0.474092484	1813.17627	0.166416168
5/2/11 16:32	2882.159912	0.085403442	1811.326416	0.127833366	1812.950806	0.229892731	1813.175537	-0.032661438	1813.706543	-0.448122025	1813.202271	0.166416168
5/2/11 16:32	2882.326904	0.085403442	1811.325317	0.135068893	1812.958008	0.229892731	1813.175537	-0.024006367	1813.71521	-0.409173965	1813.241211	0.170747757
5/2/11 16:32	2882.494141	0.084350586	1811.326416	0.148674965	1812.97168	0.221511841	1813.167236	-0.025058746	1813.714111	-0.371278763	1813.279053	0.17401886
5/2/11 16:32	2882.661865	0.085403442	1811.325317	0.113173485	1812.936157	0.222564697	1813.168213	-0.019674301	1813.719604	-0.348587036	1813.301758	0.175071716
5/2/11 16:33	2882.829346	0.085403442	1811.326416	0.127833366	1812.950806	0.222564697	1813.168213	-0.015351295	1813.723877	-0.309638977	1813.340698	0.175071716
5/2/11 16:33	2882.996582	0.085403442	1811.326416	-0.473023415	1812.349976	0.229892731	1813.175537	-0.015351295	1813.723877	-0.29665184	1813.35376	0.179403305
5/2/11 16:33	2883.163818	0.085372925	1811.325317	0.135227203	1812.958252	0.222702026	1813.168457	-0.01101923	1813.728271	-0.262031555	1813.388306	0.183727264
5/2/11 16:33	2883.331543	0.069641113	1811.311646	0.141521454	1812.964478	0.22164917	1813.167358	-0.007748127	1813.731445	-0.237117767	1813.41333	0.182674408
5/2/11 16:33	2883.499268	0.100036621	1811.341064	0.127993584	1812.950928	0.230026245	1813.175781	-0.006696224	1813.732544	-0.223083496	1813.427246	0.183727264
5/2/11 16:33	2883.666992	0.085372925	1811.326416	0.135306358	1812.958252	0.230026245	1813.175781	-0.002364159	1813.736816	-0.201444626	1813.448975	0.188058853
5/2/11 16:34	2883.834717	0.100036621	1811.341064	-0.179685593	1812.643311	0.230026245	1813.175781	0.001959324	1813.741211	-0.184129715	1813.466309	0.183727264
5/2/11 16:34	2884.001953	0.114723206	1811.355713	0.150050163	1812.973022	0.237354279	1813.183105	0.001959324	1813.741211	-0.162492752	1813.487915	0.188058853
5/2/11 16:34	2884.168701	0.114723206	1811.355713	0.128072739	1812.95105	0.230026245	1813.175781	0.001959324	1813.741211	-0.153837204	1813.496582	0.188058853
5/2/11 16:34	2884.336182	0.085372925	1811.326416	0.150050163	1812.973022	0.237354279	1813.183105	0.001959324	1813.741211	-0.140853882	1813.509521	0.192380905
5/2/11 16:34	2884.503662	0.085350037	1811.326416	0.135466576	1812.958496	0.230163574	1813.175903	0.010618687	1813.749878	-0.127872467	1813.522461	0.196714401
5/2/11 16:34	2884.671631	0.085350037	1811.326416	0.135466576	1812.958496	0.230163574	1813.175903	0.010618687	1813.749878	-0.114889145	1813.535522	0.192380905
5/2/11 16:35	2884.839844	0.114723206	1811.355713	0.142893791	1812.96582	0.222702026	1813.168457	0.006291389	1813.745483	-0.106233597	1813.544189	0.196714401
5/2/11 16:35	2884.990479	0.100006104	1811.341064	0.135466576	1812.958496	0.230163574	1813.175903	0.014945984	1813.75415	-0.09324646	1813.557129	0.196714401
5/2/11 16:35	2885.157959	0.085350037	1811.326416	0.120883942	1812.943848	0.230163574	1813.175903	0.014945984	1813.75415	-0.084590912	1813.565796	0.196714401
5/2/11 16:35	2885.326172	0.114692688	1811.355713	0.128232002	1812.951172	0.222839355	1813.168579	0.014945984	1813.75415	-0.071609497	1813.578735	0.201042175
5/2/11 16:35	2885.493652	0.100006104	1811.341064	0.201507568	1813.024536	0.222839355	1813.168579	0.014945984	1813.75415	-0.067285538	1813.58313	0.201042175
5/2/11 16:35	2885.661133	0.100006104	1811.341064	0.150208473	1812.973145	-0.267868042	1812.677856	0.014945984	1813.75415	-0.049970627	1813.600464	0.201042175
5/2/11 16:36	2885.829102	0.099983215	1811.340942	0.150287628	1812.973267	0.244953156	1813.190674	0.019273758	1813.758545	-0.049970627	1813.600464	0.205368042
5/2/11 16:36	2885.997314	0.1146698	1811.355713	0.128313065	1812.951294	0.215652466	1813.161377	0.019273758	1813.758545	-0.041315079	1813.609131	0.205368042
5/2/11 16:36	2886.164795	0.084274292	1811.326294	0.135625839	1812.958618	0.222980499	1813.168701	0.019273758	1813.758545	-0.032661438	1813.617676	0.205368042
5/2/11 16:36	2886.332275	0.099983215	1811.340942	0.128232002	1812.951172	0.222980499	1813.168701	0.023601532	1813.762817	-0.02400589	1813.626343	0.209695816
5/2/11 16:36	2886.5	0.085319519	1811.326294	0.128232002	1812.951172	0.222980499	1813.168701	0.023601532	1813.762817	-0.019678116	1813.630737	0.205368042
5/2/11 16:36	2886.666992	0.114692688	1811.341064	0.135545731	1812.958496	0.230163574	1813.175903	0.023601532	1813.762817	-0.011022568	1813.639404	0.209695816
5/2/11 16:37	2886.834473	0.099983215	1811.340942	0.135545731	1812.958496	0.230304718	1813.176025	0.023601532	1813.762817	-0.006694794	1813.643677	0.21402359
5/2/11 16:37	2887.001465	0.099983215	1811.340942	0.135545731	1812.958496	0.222980499	1813.168701	0.027929306	1813.767212	0.001960754	1813.652344	0.21402359
5/2/11 16:37	2887.168457	0.099983215	1811.340942	0.142974854	1812.965942	0.237632751	1813.18335	0.023601532	1813.762817	0.001960754	1813.652344	0.21402359
5/2/11 16:37	2887.336426	0.115722656	1811.355713	-0.186680794	1812.636353	0.222980499	1813.168701	0.027929306	1813.767212	0.010620117	1813.661011	0.21402359
5/2/11 16:37	2887.503662	0.115722656	1811.356689	0.135704994	1812.95874	0.222980499	1813.168701	0.027929306	1813.767212	0.010620117	1813.661011	0.21402359
5/2/11 16:37	2887.670654	0.099952698	1811.342041	0.128471375	1812.951416	0.237766266	1813.183472	0.027929306	1813.767212	0.023597717	1813.67395	0.222679138

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW30E_WLD	MW30E_WLE	MW31A_WLD	MW31A_WLE	MW31C_WLD	MW31C_WLE	MW47B_WLD	MW47B_WLE	MW47C_WLD	MW47C_WLE	MW47D_WLD
5/2/11 16:38	2887.838623	0.1146698	1811.355713	0.143134117	1812.966064	0.230304718	1813.176025	0.03225708	1813.771484	0.019273758	1813.669678	0.218351364
5/2/11 16:38	2888.005615	0.129325867	1811.371338	-0.127908707	1812.695068	0.230304718	1813.176025	0.03225708	1813.771484	0.027929306	1813.678345	0.222679138
5/2/11 16:38	2888.172607	0.099952698	1811.340942	0.135784149	1812.95874	-0.040534973	1812.905151	0.03225708	1813.771484	0.032253265	1813.682617	0.218351364
5/2/11 16:38	2888.340088	0.114616394	1811.355591	0.135865211	1812.958862	0.230579376	1813.17627	0.03225708	1813.771484	0.036584854	1813.687012	0.222679138
5/2/11 16:38	2888.507813	0.099952698	1811.340942	0.128550529	1812.951538	0.223117828	1813.168823	0.03225708	1813.771484	0.045240402	1813.695679	0.222679138
5/2/11 16:38	2888.675293	0.114639282	1811.355713	0.128550529	1812.951538	0.230442047	1813.176147	0.0365839	1813.775879	0.049568176	1813.699951	0.222679138
5/2/11 16:39	2888.843018	0.114616394	1811.355591	0.157839775	1812.980835	-0.018440247	1812.927246	0.03225708	1813.771484	0.053890228	1813.704346	0.227006912
5/2/11 16:39	2889.01123	0.114616394	1811.355591	0.165268898	1812.988281	0.230579376	1813.17627	0.040911674	1813.780151	0.053890228	1813.704346	0.227006912
5/2/11 16:39	2889.162354	0.114616394	1811.354614	0.150607109	1812.973633	0.230579376	1813.17627	0.040911674	1813.780151	0.058223724	1813.708618	0.227006912
5/2/11 16:39	2889.32959	0.129272461	1811.370239	0.165268898	1812.988281	0.215927124	1813.161621	0.0365839	1813.775879	0.058223724	1813.708618	0.227006912
5/2/11 16:39	2889.49707	0.128257751	1811.370361	0.134889603	1812.957886	0.229389191	1813.175049	0.035531998	1813.77478	0.065826416	1813.716187	0.225954056
5/2/11 16:39	2889.664307	0.129272461	1811.370239	0.135944366	1812.958984	0.223251343	1813.168945	0.0365839	1813.775879	0.062545776	1813.712891	0.23566246
5/2/11 16:40	2889.832275	0.114639282	1811.370361	0.150686264	1812.973633	0.230442047	1813.176147	0.0365839	1813.775879	0.071205139	1813.721558	0.231334686
5/2/11 16:41	2891.508057	0.129325867	1811.370361	0.11299324	1812.936035	0.244037628	1813.189697	0.044187546	1813.783447	0.104774475	1813.755127	0.238937378
5/2/11 16:43	2893.16748	0.142929077	1811.38501	0.156785965	1812.979736	0.229251862	1813.174927	0.044187546	1813.783447	0.117757797	1813.768188	0.243265152
5/2/11 16:45	2894.841064	0.143981934	1811.399658	0.165427208	1812.988403	0.230304718	1813.176025	0.049567223	1813.788818	0.140451431	1813.790894	0.248643875
5/2/11 16:46	2896.497559	0.173355103	1811.414307	0.158080101	1812.981079	0.222839355	1813.168579	0.053894997	1813.793091	0.149106979	1813.799561	0.248643875
5/2/11 16:48	2898.169922	0.173355103	1811.414307	0.172660828	1812.995605	0.222839355	1813.168579	0.049567223	1813.788818	0.162090302	1813.8125	0.252971649
5/2/11 16:50	2899.843506	0.173324585	1811.414307	0.179929733	1813.00293	0.230304718	1813.176025	0.058221817	1813.797485	0.175067902	1813.825439	0.252971649
5/2/11 16:51	2901.503418	0.188011169	1811.429077	0.201906204	1813.024902	0.222702026	1813.168457	0.058221817	1813.797485	0.188055038	1813.838501	0.257299423
5/2/11 16:53	2903.176758	0.173355103	1811.414307	0.188217163	1813.018555	0.231220245	1813.17688	0.054946899	1813.794189	0.193435669	1813.843872	0.254024506
5/2/11 16:55	2904.835693	0.202697754	1811.443726	0.195370674	1813.018311	0.216567993	1813.162231	0.059274673	1813.798462	0.197761536	1813.848145	0.262683868
5/2/11 16:56	2906.510254	0.173355103	1811.414307	0.230956078	1813.053955	0.222839355	1813.168579	0.062549591	1813.801758	0.205369949	1813.855713	0.257299423
5/2/11 16:58	2908.16748	0.173377991	1811.414429	0.194239616	1813.017212	0.222702026	1813.168457	0.062549591	1813.801758	0.214025497	1813.86438	0.257299423
5/2/11 17:00	2909.848389	0.174407959	1811.443726	0.210033417	1813.031982	0.179958344	1813.124634	0.063602448	1813.801758	0.215076447	1813.86438	0.254024506
5/2/11 17:01	2911.50415	0.202728271	1811.443726	-0.062142372	1812.760864	0.222702026	1813.168457	0.066877365	1813.806152	0.218347549	1813.868774	0.257299423
5/2/11 17:03	2913.175781	0.188064575	1811.443726	0.223482132	1813.046509	0.237216949	1813.182861	0.066877365	1813.806152	0.222675323	1813.873047	0.257299423
5/2/11 17:05	2914.830811	0.173484802	1811.414551	0.223323822	1813.046265	-0.034191132	1812.911499	0.062549591	1813.801758	0.222675323	1813.873047	0.257299423
5/2/11 17:06	2916.507813	0.189201355	1811.430176	0.231609344	1813.054565	0.215881348	1813.161621	0.067929268	1813.807129	0.228055954	1813.878418	0.254024506
5/2/11 17:08	2918.165527	0.189201355	1811.430176	0.224216461	1813.047241	0.223209381	1813.168945	0.063602448	1813.802856	0.236715317	1813.887085	0.25835228
5/2/11 17:10	2919.839355	0.203887939	1811.430176	0.231450081	1813.054443	0.223209381	1813.168945	0.067929268	1813.807129	0.236715317	1813.887085	0.254024506
5/2/11 17:11	2921.49707	0.203903198	1811.443848	-0.12878418	1812.694214	0.222015381	1813.167725	0.066877365	1813.806152	0.231330872	1813.881714	0.252971649
5/2/11 17:13	2923.171387	0.203887939	1811.444946	0.216743469	1813.039673	0.208576202	1813.154297	0.067929268	1813.807129	0.236715317	1813.887085	0.254024506
5/2/11 17:15	2924.830078	0.218551636	1811.458496	0.215769768	1813.038818	0.22215271	1813.167847	0.066877365	1813.806152	0.244318008	1813.894653	0.248643875
5/2/11 17:16	2926.505615	0.217468262	1811.443848	0.237746239	1813.060791	0.214962006	1813.160645	0.071208954	1813.810425	0.23998642	1813.890381	0.252971649
5/2/11 17:18	2928.177979	0.217437744	1811.443848	0.230237961	1813.053223	0.215103149	1813.160767	0.071208954	1813.810425	0.23998642	1813.890381	0.252971649
5/2/11 17:20	2929.83374	0.202781677	1811.443848	0.237746239	1813.060791	-0.304904938	1812.640747	0.066877365	1813.806152	0.244318008	1813.894653	0.252971649
5/2/11 17:21	2931.507813	0.202728271	1811.443726	0.230478287	1813.053467	0.208068848	1813.153809	0.066877365	1813.806152	0.248641968	1813.899048	0.252971649
5/2/11 17:23	2933.163086	0.217414856	1811.458374	0.201189041	1813.02417	0.215240479	1813.160889	0.075532913	1813.814819	0.248641968	1813.899048	0.252971649
5/2/11 17:25	2934.838135	0.20275116	1811.443726	0.230478287	1813.053467	0.215240479	1813.160889	0.071208954	1813.810425	0.248641968	1813.899048	0.252971649
5/2/11 17:26	2936.497559	0.202728271	1811.443726	0.259799957	1813.082764	0.208068848	1813.153809	0.071208954	1813.810425	0.248641968	1813.899048	0.257299423
5/2/11 17:28	2938.172119	0.20275116	1811.443726	0.245059013	1813.067993	0.207931519	1813.153564	0.071208954	1813.810425	0.244318008	1813.894653	0.257299423
5/2/11 17:30	2939.829346	0.216392517	1811.458496	0.236690521	1813.059692	0.214050293	1813.15979	0.070157051	1813.809326	0.2519207	1813.902344	0.2519207
5/2/11 17:31	2941.505127	0.21749115	1811.458496	0.237587929	1813.060547	0.214824677	1813.160522	0.075532913	1813.814819	0.252973557	1813.90332	0.252971649
5/2/11 17:33	2943.163086	0.217559814	1811.458496	0.230000496	1813.052979	0.214412689	1813.160156	0.071208954	1813.810425	0.252973557	1813.90332	0.257299423
5/2/11 17:35	2944.84375	0.217559814	1811.473267	0.222844124	1813.045776	-0.034606934	1812.911133	0.075532913	1813.814819	0.252973557	1813.90332	0.257299423
5/2/11 17:36	2946.500977	0.232223511	1811.458618	0.222764969	1813.045776	0.221736908	1813.16748	0.075532913	1813.814819	0.252973557	1813.90332	0.257299423
5/2/11 17:38	2948.172363	0.231178284	1811.472168	0.229103088	1813.052124	0.220687866	1813.166382	0.078812599	1813.817993	0.2519207	1813.902344	0.256248474

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW30E_WLD	MW30E_WLE	MW31A_WLD	MW31A_WLE	MW31C_WLD	MW31C_WLE	MW47B_WLD	MW47B_WLE	MW47C_WLD	MW47C_WLE	MW47D_WLD
5/2/11 17:40	2949.829346	0.231178284	1811.45752	0.229183197	1813.052124	-0.028331757	1812.917358	0.070157051	1813.809326	0.256244659	1813.906616	0.2519207
5/2/11 17:41	2951.501221	0.231147766	1811.472168	0.207287788	1813.030273	0.220821381	1813.166504	0.074480057	1813.813721	0.2519207	1813.902344	0.2519207
5/2/11 17:43	2953.163086	0.216415405	1811.442749	0.229342461	1813.052368	0.221237183	1813.166992	0.074480057	1813.813721	0.2519207	1813.902344	0.256248474
5/2/11 17:45	2954.836182	0.216362	1811.457397	0.244164467	1813.067139	0.221511841	1813.167236	0.074480057	1813.813721	0.256244659	1813.906616	0.256248474
5/2/11 17:46	2956.494385	0.230995178	1811.472046	0.251512527	1813.074463	0.228977203	1813.174683	0.074480057	1813.813721	0.256244659	1813.906616	0.2519207
5/2/11 17:48	2958.168701	0.21736145	1811.458374	0.260119438	1813.08313	0.237491608	1813.183228	0.075532913	1813.814819	0.252973557	1813.90332	0.252971649
5/2/11 17:50	2959.825439	0.232048035	1811.473022	0.245377541	1813.068359	-0.268005371	1812.677734	0.075532913	1813.814819	0.261629105	1813.911987	0.257299423
5/2/11 17:51	2961.499512	0.21736145	1811.458374	0.245377541	1813.068359	0.230163574	1813.175903	0.075532913	1813.814819	0.252973557	1813.90332	0.257299423
5/2/11 17:53	2963.174805	0.218391418	1811.474121	0.252727509	1813.076782	0.230304718	1813.177002	0.075532913	1813.815796	0.257295609	1813.908691	0.252971649
5/2/11 17:55	2964.831543	0.232017517	1811.473022	0.260119438	1813.08313	0.222839355	1813.168579	0.075532913	1813.814819	0.257295609	1813.907715	0.252971649
5/2/11 17:56	2966.50415	0.218360901	1811.458374	0.224615097	1813.047607	0.231498718	1813.177246	0.080916405	1813.82019	0.254024506	1813.904419	0.262683868
5/2/11 17:58	2968.158691	0.217330933	1811.458374	0.252965927	1813.075928	0.222980499	1813.168701	0.075532913	1813.814819	0.257295609	1813.907715	0.252971649
5/2/11 18:00	2969.833008	0.216262817	1811.473022	0.252886772	1813.075928	0.237766266	1813.183472	0.075532913	1813.814819	0.252973557	1813.90332	0.252971649
5/2/11 18:01	2971.505371	0.231964111	1811.471924	0.245617867	1813.068604	0.245090485	1813.190796	0.075532913	1813.814819	0.257295609	1813.907715	0.252971649
5/2/11 18:03	2973.160889	0.217330933	1811.443726	0.23822403	1813.061157	0.244953156	1813.190674	0.075532913	1813.814819	0.257295609	1813.907715	0.257299423
5/2/11 18:05	2974.834961	0.217330933	1811.458374	0.245617867	1813.068604	0.244953156	1813.190674	0.075532913	1813.814819	0.265956879	1813.916382	0.252971649
5/2/11 18:06	2976.494141	0.231964111	1811.473022	0.260277748	1813.083252	0.245090485	1813.190796	0.079864502	1813.819092	0.257295609	1813.907715	0.252971649
5/2/11 18:08	2978.166992	0.217308044	1811.458374	0.245697021	1813.068726	0.252414703	1813.19812	0.079864502	1813.819092	0.261629105	1813.911987	0.257299423
5/2/11 18:10	2979.824951	0.231964111	1811.443604	0.26759243	1813.090576	0.252414703	1813.19812	0.079864502	1813.819092	0.257295609	1813.907715	0.252971649
5/2/11 18:26	2996.491211	0.217308044	1811.473022	0.245617867	1813.068604	0.223117828	1813.168823	0.084187508	1813.823364	0.257295609	1813.907715	0.257299423
5/2/11 18:43	3013.151855	0.205841064	1811.446899	0.23459816	1813.057617	0.240795135	1813.186523	0.083023071	1813.822266	0.260454178	1813.910889	0.251804352
5/2/11 19:00	3029.817139	0.191101074	1811.432129	0.234758377	1813.057739	0.241069794	1813.186768	0.091678619	1813.830933	0.256132126	1813.906494	0.256130219
5/2/11 19:16	3046.488525	0.193161011	1811.434204	0.229475021	1813.05249	0.243461609	1813.189209	0.093785286	1813.833008	0.262561798	1813.912964	0.258237839
5/2/11 19:33	3063.14917	0.179496765	1811.405762	0.245429039	1813.068359	0.252105713	1813.197754	0.094837189	1813.834106	0.259290695	1813.909668	0.254962921
5/2/11 19:50	3079.807373	0.16607666	1811.407104	0.24664402	1813.06958	0.244739532	1813.19043	0.100216866	1813.839478	0.256010056	1813.906372	0.251686096
5/2/11 20:06	3096.469727	0.138801575	1811.379761	0.314837456	1813.137817	0.225288391	1813.171021	0.10664463	1813.845825	0.262447357	1813.912842	0.253791809
5/2/11 20:23	3113.129639	0.138748169	1811.379761	0.234170914	1813.057129	0.218250275	1813.16394	0.10664463	1813.845825	0.271102905	1813.921509	0.258119583
5/2/11 20:40	3129.793701	0.10723877	1811.348267	0.231822014	1813.05481	0.209095001	1813.154785	0.113195419	1813.852417	0.264665604	1813.915039	0.25601387
5/2/11 20:56	3146.45459	0.133453369	1811.374512	-0.100838661	1812.722168	0.183815002	1813.129517	0.105713844	1813.844971	0.257184982	1813.907593	0.257183075
5/2/11 21:13	3163.114014	0.115699768	1811.356689	0.211148262	1813.03418	0.187561035	1813.133301	0.115532875	1813.854736	0.267007828	1813.917358	0.262683868
5/2/11 21:30	3179.77417	0.098831177	1811.325195	0.216228485	1813.039185	0.163890839	1813.109619	0.10910511	1813.848389	0.264904022	1813.915283	0.256248474
5/2/11 21:46	3196.448975	0.08416748	1811.325195	0.21614933	1813.039185	0.171215057	1813.116943	0.117760658	1813.856934	0.264904022	1813.915283	0.264902115
5/2/11 22:03	3213.112305	0.083114624	1811.324097	0.244225502	1813.067261	0.17748642	1813.123169	0.116708755	1813.855957	0.259523392	1813.909912	0.255195618
5/2/11 22:20	3229.762207	0.067344666	1811.30835	0.199296951	1813.022217	0.154586792	1813.100342	0.12430954	1813.863525	0.258470535	1813.908813	0.258472443
5/2/11 22:36	3246.440918	0.082054138	1811.32312	0.206690788	1813.029663	-0.094562531	1812.851074	0.12430954	1813.863525	0.258470535	1813.908813	0.258472443
5/2/11 22:53	3263.09668	0.066261292	1811.307251	0.21290493	1813.035889	0.153671265	1813.099365	0.131912231	1813.871094	0.266073227	1813.916504	0.253087997
5/2/11 23:10	3279.762939	0.051574707	1811.292603	0.235039711	1813.057983	0.168464661	1813.114136	0.131912231	1813.871094	0.257417679	1813.907837	0.261743546
5/2/11 23:26	3296.420654	0.039077759	1811.280029	-0.114638329	1812.708374	0.148319244	1813.093994	0.134018898	1813.873291	0.259523392	1813.909912	0.255195618
5/2/11 23:43	3313.076416	0.040054321	1811.281006	0.21630764	1813.039307	0.157115936	1813.102783	0.139398575	1813.878662	0.264904022	1813.915283	0.2519207
5/3/11 0:00	3329.742676	0.054740906	1811.295776	0.207986832	1813.031006	0.163246155	1813.108887	0.142674446	1813.881958	0.263851166	1813.914307	0.259527206
5/3/11 0:16	3346.402344	0.066192627	1811.307251	0.206274033	1813.029297	0.161411285	1813.107056	0.1448946	1813.884155	0.266073227	1813.916504	0.261743546
5/3/11 0:33	3363.072754	0.068305969	1811.309326	0.222648621	1813.045654	0.163520813	1813.109253	0.147001266	1813.88623	0.276834488	1813.927246	0.272506714
5/3/11 0:50	3379.732666	0.054672241	1811.295654	0.201806068	1813.02478	0.15738678	1813.103027	0.152380943	1813.891602	0.282213211	1813.932617	0.282217026
5/3/11 1:06	3396.395752	0.067138672	1811.308105	0.215573311	1813.038574	0.178722382	1813.12439	0.155656815	1813.894897	0.285490036	1813.935913	0.285488129
5/3/11 1:23	3413.05835	0.06603241	1811.307007	0.20587635	1813.028809	0.169563293	1813.115234	0.153550148	1813.892822	0.292037964	1813.942383	0.283382416
5/3/11 1:40	3429.727051	0.094291687	1811.335327	0.227110863	1813.050049	0.168643951	1813.11438	0.161150932	1813.900391	0.2909832	1813.941406	0.286659241
5/3/11 1:56	3446.391113	0.068115234	1811.309082	0.202125549	1813.025146	0.165542603	1813.111206	0.165364265	1813.904541	0.295196533	1813.945557	0.290872574
5/3/11 2:13	3463.042725	0.056617737	1811.297607	0.212601662	1813.035645	0.176029205	1813.121704	0.168520927	1813.907715	0.302680969	1813.953125	0.298353195

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW30E_WLD	MW30E_WLE	MW31A_WLD	MW31A_WLE	MW31C_WLD	MW31C_WLE	MW47B_WLD	MW47B_WLE	MW47C_WLD	MW47C_WLE	MW47D_WLD
5/3/11 2:30	3479.713379	0.057647705	1811.298706	0.227342606	1813.050293	0.154186249	1813.099854	0.172847748	1813.912109	0.302680969	1813.953125	0.294029236
5/3/11 2:46	3496.380371	0.057647705	1811.298584	0.220028877	1813.042969	0.161514282	1813.107178	0.168520927	1813.907715	0.302680969	1813.953125	0.294029236
5/3/11 3:03	3513.043945	0.04510498	1811.286133	0.229373932	1813.052368	0.163627625	1813.109375	0.179282188	1813.918457	0.304786682	1813.9552	0.296134949
5/3/11 3:20	3529.691406	0.04510498	1811.285034	-0.671974182	1812.151001	0.156299591	1813.102051	0.179282188	1813.918457	0.300460815	1813.950806	0.296134949
5/3/11 3:36	3546.360107	0.044021606	1811.285034	-0.050035477	1812.772949	0.170036316	1813.115723	0.178230286	1813.91748	0.295080185	1813.945435	0.295084
5/3/11 3:53	3563.018555	0.030418396	1811.271484	0.236766815	1813.059814	0.156440735	1813.102173	0.174954414	1813.914185	0.296133041	1813.946533	0.29180336
5/3/11 4:10	3579.686279	0.02935791	1811.270386	0.228479385	1813.051514	0.155384064	1813.101074	0.18255806	1813.921753	0.290752411	1813.941162	0.290752411
5/3/11 4:26	3596.3479	0.029335022	1811.270386	0.221324921	1813.044312	0.155521393	1813.101196	0.18255806	1813.921753	0.295080185	1813.945435	0.290752411
5/3/11 4:43	3613.010254	0.02935791	1811.270386	0.228638649	1813.051636	0.170036316	1813.115723	0.178230286	1813.91748	0.290752411	1813.941162	0.286428452
5/3/11 5:00	3629.672119	0.017807007	1811.258789	0.216980934	1813.039917	0.144054413	1813.089722	0.185716629	1813.924927	0.285255432	1813.935669	0.280927658
5/3/11 5:16	3646.336182	0.017807007	1811.258789	0.216901779	1813.039917	0.151359558	1813.097046	0.185716629	1813.924927	0.289583206	1813.939941	0.285259247
5/3/11 5:33	3663.001953	0.018859863	1811.259888	0.210564613	1813.033569	0.152416229	1813.098145	0.19542408	1813.934692	0.286308289	1813.936646	0.281980515
5/3/11 5:50	3679.670898	0.005233765	1811.246216	-0.389239311	1812.433716	0.146297455	1813.092041	0.187820435	1813.927002	0.283033371	1813.933472	0.278709412
5/3/11 6:06	3696.331787	-0.023033142	1811.216919	-0.380712509	1812.442261	0.139892578	1813.085571	0.19320488	1813.932373	0.288412094	1813.938843	0.28408432
5/3/11 6:23	3712.993896	-0.023033142	1811.218018	-0.380950928	1812.442017	0.154388428	1813.100098	0.19320488	1813.932373	0.288412094	1813.938843	0.279760361
5/3/11 6:40	3729.658936	-0.011543274	1811.229492	0.216980934	1813.039917	0.136726379	1813.082397	0.190048218	1813.929321	0.285255432	1813.935669	0.280927658
5/3/11 6:56	3746.32373	-0.012557983	1811.228516	0.223357201	1813.046387	0.120887756	1813.06665	0.188996315	1813.928223	0.288532257	1813.938965	0.279874802
5/3/11 7:13	3762.977051	0.014976501	1811.255981	0.206186295	1813.029175	0.131771088	1813.077515	0.195545197	1813.934814	0.286424637	1813.936768	0.282100677
5/3/11 7:30	3779.631836	0.073699951	1811.314697	0.212363243	1813.0354	0.132118225	1813.077881	0.190158844	1813.929443	0.281044006	1813.931396	0.268058777
5/3/11 7:46	3796.299805	0.099632263	1811.340698	-0.670173645	1812.152832	0.14496994	1813.090698	0.187002182	1813.92627	0.277887344	1813.928223	0.277889252
5/3/11 8:03	3812.957275	0.126731873	1811.367798	0.221271515	1813.044312	0.143547058	1813.089233	0.184895515	1813.924072	0.280107498	1813.930542	0.267127991
5/3/11 8:20	3829.635986	0.12563324	1811.366699	0.234164238	1813.057129	0.164745331	1813.110474	0.183843613	1813.923096	0.274726868	1813.925171	0.261743546
5/3/11 8:36	3846.294678	0.169525146	1811.411621	0.240839958	1813.063843	0.187271118	1813.132935	0.188175201	1813.927368	0.266073227	1813.916504	0.266077042
5/3/11 8:53	3862.959473	0.168388367	1811.409424	0.202906609	1813.025879	0.171977997	1813.117676	0.187120438	1813.926392	0.265018463	1813.915405	0.260688782
5/3/11 9:10	3879.622559	0.182991028	1811.42395	0.232628822	1813.055664	0.179580688	1813.125244	0.191444397	1813.930664	0.265018463	1813.915405	0.260688782
5/3/11 11:56	4046.251953	0.280143738	1811.521118	0.270598412	1813.093628	0.241348267	1813.187012	0.204199791	1813.943481	0.251800537	1813.902222	0.243148804
5/3/11 14:43	4212.864746	0.260452271	1811.501465	0.267186165	1813.09021	0.229640961	1813.175293	0.203497887	1813.942749	0.242450714	1813.892822	0.233795166
5/3/11 17:30	4379.499023	0.269798279	1811.510864	0.284816742	1813.107788	0.284568787	1813.230225	0.188762665	1813.927979	0.249349594	1813.89978	0.240697861
5/3/11 20:16	4546.123535	0.193321228	1811.434326	0.230975151	1813.053955	0.230670929	1813.176392	0.183035851	1813.922241	0.243621826	1813.894043	0.243625641
5/3/11 23:03	4712.740234	0.10723114	1811.349243	-1.03485775	1811.788086	0.152511597	1813.098145	0.192038536	1813.931274	0.248298645	1813.898682	0.235313416
5/4/11 1:50	4879.361328	0.067398071	1811.30835	0.207554817	1813.030518	0.149684906	1813.095337	0.217886925	1813.957153	0.235198975	1813.88562	0.222215652
5/4/11 4:36	5045.989746	0.044593811	1811.285645	0.221895218	1813.044922	0.133602142	1813.079346	0.234614372	1813.973877	0.234615326	1813.88501	0.225963593
5/4/11 7:23	5212.611328	0.015144348	1811.270752	0.192599297	1813.015625	0.127494812	1813.073242	0.223387718	1813.962646	0.23204422	1813.882446	0.219060898
5/4/11 10:10	5379.241699	0.168968201	1811.410034	0.211708069	1813.034668	0.181507111	1813.127197	0.205496788	1813.944702	0.192510605	1813.842896	0.179531097
5/4/11 12:56	5545.875	0.245361328	1811.486328	0.259792328	1813.082764	0.223186493	1813.168945	0.194853783	1813.934082	0.173215866	1813.823608	0.160232544
5/4/11 15:43	5712.501953	0.274002075	1811.515015	0.230485916	1813.053467	0.22220993	1813.15332	0.155788422	1813.89502	0.155790329	1813.806152	0.147132874
5/4/11 18:30	5879.104492	0.221420288	1811.462402	0.170480728	1812.993408	0.184505463	1813.130249	0.098007202	1813.83728	0.145610809	1813.796021	0.136959076
5/4/11 21:16	6045.73584	0.076286316	1811.317261	0.143157005	1812.966187	0.113712311	1813.059448	0.114729881	1813.854004	0.136367798	1813.786743	0.119056702
5/5/11 0:03	6212.348145	-0.003677368	1811.237305	0.143927574	1812.966919	0.100372314	1813.046021	0.208767891	1813.947998	0.143850327	1813.794189	0.122211456
5/5/11 2:50	6378.972168	0.014198303	1811.255249	0.176589966	1812.999512	0.09539032	1813.041138	0.249115944	1813.988403	0.162565231	1813.812988	0.145254135
5/5/11 5:36	6545.602539	-0.008743286	1811.231201	0.190470695	1813.013428	0.101306915	1813.046997	0.277070999	1814.016357	0.199174881	1813.849609	0.177532196
5/5/11 8:23	6712.226074	0.109451294	1811.334717	0.19482708	1813.017822	0.014476776	1812.960083	0.274267197	1814.01355	0.200695038	1813.851074	0.183383942
5/5/11 11:10	6878.849121	0.222991943	1811.478638	0.237303734	1813.060303	0.191585541	1813.137329	0.276485443	1814.015747	0.194257736	1813.844604	0.176950455
5/5/11 13:56	7045.460449	0.231491089	1811.473511	0.216341972	1813.039307	0.208675385	1813.154419	0.28772068	1814.026978	0.196838379	1813.847168	0.183849335
5/5/11 16:43	7212.100098	0.240852356	1811.481812	0.232840538	1813.055786	0.233127594	1813.178833	0.280589104	1814.019775	0.202684402	1813.853027	0.189704895
5/5/11 19:30	7378.706543	0.174888611	1811.415894	0.226821899	1813.049805	0.241184235	1813.18689	0.25508976	1813.994385	0.203155518	1813.853516	0.194503784
5/5/11 22:16	7545.33252	0.058494568	1811.299561	-0.071855545	1812.751099	-0.108768463	1812.836914	0.247487068	1813.986694	0.208534241	1813.858887	0.191223145
5/6/11 1:03	7711.962891	0.014686584	1811.255737	0.177081108	1813.000122	0.117973328	1813.063721	0.25357151	1813.992798	0.210290909	1813.860718	0.188652039

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW30E_WLD	MW30E_WLE	MW31A_WLD	MW31A_WLE	MW31C_WLD	MW31C_WLE	MW47B_WLD	MW47B_WLE	MW47C_WLD	MW47C_WLE	MW47D_WLD
5/6/11 3:50	7878.583496	-0.026199341	1811.214844	0.187889099	1813.010864	0.107975006	1813.053711	0.255912781	1813.995117	0.203979492	1813.85437	0.178012848
5/6/11 6:36	8045.212402	-0.039581299	1811.201416	0.130706787	1812.953735	0.072509766	1813.018188	0.230183601	1813.96936	0.191230774	1813.841675	0.1739254
5/6/11 9:23	8211.827148	0.090316772	1811.332397	0.155694962	1812.978638	0.118038177	1813.063721	0.203048706	1813.942261	0.15111351	1813.801514	0.129480362
5/6/11 12:10	8378.449219	0.166625977	1811.407593	0.167150497	1812.990112	0.159889221	1813.105591	0.154166222	1813.893433	0.106555939	1813.756958	0.093576431
5/6/11 14:56	8545.080078	0.168357849	1811.409424	0.103051186	1812.926025	0.121948242	1813.067627	0.093809128	1813.833008	0.067844391	1813.718262	0.050533295
5/6/11 17:43	8711.694336	0.137542725	1811.37854	0.065279961	1812.888306	0.10112381	1813.046875	0.03649807	1813.775757	0.019187927	1813.669556	0.006204605
5/6/11 20:30	8878.321289	0.034538269	1811.275513	0.021476746	1812.844482	0.057777405	1813.003418	0.032985687	1813.772217	-0.001634598	1813.648804	-0.01461792
5/6/11 23:16	9044.9375	0.006271362	1811.247314	0.044635773	1812.867676	0.028583527	1812.974243	0.084216118	1813.823486	-0.02397728	1813.626465	-0.036960602
5/7/11 2:03	9211.568359	-0.035842896	1811.2052	-0.261091232	1812.56189	0.032073975	1812.977783	0.086322784	1813.825562	-0.004560471	1813.645874	-0.026199341
5/7/11 4:50	9378.192383	-0.066429138	1811.174561	-0.269327164	1812.553711	0.002010345	1812.947754	0.105156898	1813.84436	-0.011695862	1813.638672	-0.037662506
5/7/11 7:36	9544.799805	-0.060256958	1811.180786	0.036248207	1812.859253	0.009254456	1812.954956	0.117316246	1813.856567	-0.008192062	1813.642212	-0.025503159
5/7/11 10:23	9711.43457	0.075088501	1811.316162	0.068745613	1812.891724	0.05342865	1812.999146	0.126670837	1813.865967	-0.024803162	1813.62561	-0.04643631
5/7/11 13:10	9878.050781	0.112640381	1811.353638	0.075752258	1812.898682	-0.171131134	1812.774414	0.156730652	1813.895996	-0.020708084	1813.629639	-0.038015366
5/7/11 15:56	10044.66895	0.179847717	1811.420898	0.115135193	1812.93811	0.115604401	1813.061279	0.149599075	1813.888794	-0.019184113	1813.631226	-0.036495209
5/7/11 16:32	10080.00195	0.169471741	1811.412598	0.118881226	1812.941895	0.119548798	1813.065186	0.149479866	1813.888672	-0.014972687	1813.635376	-0.032283783
5/7/11 16:32	10080.16895	0.186264038	1811.412598	0.120909691	1812.943848	0.128845215	1813.074585	0.14726162	1813.886475	-0.082113266	1813.568237	-0.021524429
5/7/11 16:32	10080.32031	0.171600342	1811.412598	0.120989799	1812.94397	0.136173248	1813.081909	0.151584625	1813.890869	-0.73560524	1812.914795	-0.025850296
5/7/11 16:32	10080.4873	0.186233521	1811.427246	0.113677025	1812.936646	0.128982544	1813.074707	0.138606071	1813.877808	-1.319850922	1812.330566	-0.03017807
5/7/11 16:32	10080.65527	0.156890869	1811.397949	0.077037811	1812.900024	0.128982544	1813.074707	0.129950523	1813.869141	-1.44103241	1812.209351	-0.03017807
5/7/11 16:32	10080.83887	0.156890869	1811.397949	0.113677025	1812.936523	0.121658325	1813.067383	0.121291161	1813.860474	-1.518929482	1812.13147	-0.025850296
5/7/11 16:33	10080.99023	0.171600342	1811.412598	0.120909691	1812.943848	0.128845215	1813.074707	0.103981018	1813.843262	-1.635778427	1812.014648	-0.038833618
5/7/11 16:33	10081.1582	0.156890869	1811.397949	0.106247902	1812.929199	0.136310577	1813.082031	0.108312607	1813.847534	-1.70935154	1811.94104	-0.034505844
5/7/11 16:33	10081.3252	0.171577454	1811.412598	0.128143311	1812.951172	0.128982544	1813.074707	0.09099865	1813.8302	-1.808886528	1811.841553	-0.025850296
5/7/11 16:33	10081.49219	0.186233521	1811.427246	0.120749474	1812.943726	0.128982544	1813.074707	0.078015327	1813.817261	-1.860821724	1811.789551	-0.034505844
5/7/11 16:33	10081.65918	0.186264038	1811.427246	0.127984047	1812.950928	0.128845215	1813.074585	0.073687553	1813.812866	-1.917084694	1811.733276	-0.043161392
5/7/11 16:34	10081.82715	0.171600342	1811.412598	0.127904892	1812.950928	0.121520996	1813.067261	0.073687553	1813.812866	-1.96901989	1811.681396	-0.038833618
5/7/11 16:34	10081.99414	0.186264038	1811.427246	0.113278389	1812.936279	0.136173248	1813.081909	0.065032959	1813.804199	-2.029606819	1811.620728	-0.047489166
5/7/11 16:34	10082.16113	0.156913757	1811.397949	0.127904892	1812.950928	0.143497467	1813.089233	0.056377411	1813.795654	-2.077209473	1811.573242	-0.038833618
5/7/11 16:34	10082.32813	0.186264038	1811.427246	0.120511055	1812.943481	-0.127494812	1812.818237	0.056377411	1813.795654	-2.107502937	1811.542847	-0.047489166
5/7/11 16:34	10082.49512	0.171600342	1811.412598	0.11319828	1812.936157	0.121520996	1813.067261	0.047722816	1813.786987	-2.142127991	1811.508301	-0.05181694
5/7/11 16:34	10082.66211	0.171577454	1811.412598	0.1204319	1812.943359	0.128982544	1813.074707	0.047722816	1813.786987	-2.168093681	1811.4823	-0.05181694
5/7/11 16:35	10082.8291	0.171577454	1811.412598	0.098456383	1812.921387	0.114334106	1813.060059	0.0390625	1813.77832	-2.194063187	1811.456299	-0.05181694
5/7/11 16:35	10082.99707	0.171577454	1811.412598	0.11319828	1812.936157	0.128982544	1813.074707	0.0390625	1813.77832	-2.220028877	1811.43042	-0.056144714
5/7/11 16:35	10083.16309	0.171600342	1811.412598	0.11319828	1812.936157	0.128845215	1813.074585	0.034739494	1813.773926	-2.237335205	1811.413086	-0.056144714
5/7/11 16:35	10083.33008	0.156913757	1811.397949	0.1204319	1812.943359	0.128845215	1813.074585	0.034739494	1813.773926	-2.258976936	1811.391357	-0.060472488
5/7/11 16:35	10083.49805	0.156913757	1811.412598	0.113119125	1812.936157	0.128845215	1813.074585	0.034739494	1813.773926	-2.271960258	1811.378418	-0.064800262
5/7/11 16:35	10083.66504	0.156890869	1811.397949	0.120511055	1812.943481	0.121658325	1813.067383	0.0260849	1813.765381	-2.293598175	1811.356812	-0.064800262
5/7/11 16:36	10083.83203	0.156890869	1811.398926	0.120591164	1812.943604	0.128982544	1813.074707	0.0260849	1813.765381	-2.315239906	1811.335205	-0.069126129
5/7/11 16:36	10084	0.156890869	1811.398926	0.135172844	1812.95813	0.136310577	1813.082031	0.030407906	1813.769653	-2.323895454	1811.326538	-0.069126129
5/7/11 16:36	10084.16699	0.142227173	1811.384277	0.105930328	1812.928955	0.136310577	1813.082031	0.0260849	1813.765381	-2.341201782	1811.309204	-0.073453903
5/7/11 16:36	10084.33398	0.156890869	1811.397949	0.105930328	1812.928955	0.114334106	1813.060059	0.021752357	1813.760986	-2.345533371	1811.30481	-0.073453903
5/7/11 16:36	10084.50098	0.142227173	1811.383301	0.113357544	1812.936279	0.128982544	1813.074707	0.0260849	1813.765381	-2.358515739	1811.29187	-0.082109451
5/7/11 16:36	10084.66895	0.142227173	1811.383301	0.076641083	1812.899658	0.121658325	1813.067383	0.021752357	1813.760986	-2.371499062	1811.278931	-0.077781677
5/7/11 16:37	10084.83594	0.142227173	1811.397949	0.113357544	1812.936279	0.128982544	1813.074707	0.013097763	1813.752319	-2.38448143	1811.265869	-0.077781677
5/7/11 16:37	10085.00391	0.143287659	1811.384277	0.12903595	1812.952026	0.130039215	1813.075684	0.02280426	1813.762085	-2.392085075	1811.258301	-0.085390091
5/7/11 16:37	10085.1709	0.142227173	1811.384277	0.09877491	1812.921753	0.128982544	1813.074707	0.013097763	1813.752319	-2.406119347	1811.244263	-0.082109451
5/7/11 16:37	10085.33789	0.142227173	1811.384277	0.120749474	1812.943726	0.121658325	1813.067383	0.013097763	1813.752319	-2.414774895	1811.235596	-0.090764999
5/7/11 16:37	10085.50684	0.156890869	1811.397949	0.150074005	1812.973022	0.121658325	1813.067383	0.013097763	1813.752319	-2.423429489	1811.226929	-0.08644104

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW30E_WLD	MW30E_WLE	MW31A_WLD	MW31A_WLE	MW31C_WLD	MW31C_WLE	MW47B_WLD	MW47B_WLE	MW47C_WLD	MW47C_WLE	MW47D_WLD
5/7/11 16:37	10085.67383	0.142227173	1811.383301	0.106168747	1812.929199	0.114334106	1813.060059	0.008769512	1813.748047	-2.423429489	1811.226929	-0.090764999
5/7/11 16:38	10085.8418	0.156890869	1811.397949	0.098855019	1812.921875	0.107006073	1813.052734	0.013097763	1813.752319	-2.43641758	1811.213989	-0.090764999
5/7/11 16:38	10086.00781	0.127571106	1811.36853	0.106168747	1812.929199	0.121658325	1813.067383	0.008769512	1813.748047	-2.445072174	1811.205322	-0.095096588
5/7/11 16:38	10086.17578	0.127571106	1811.36853	0.135492325	1812.958496	0.114334106	1813.060059	0.004442215	1813.743652	-2.453727722	1811.196655	-0.090764999
5/7/11 16:38	10086.32617	0.127593994	1811.368652	0.120829582	1812.943848	0.121520996	1813.067261	0.008769512	1813.748047	-2.453727722	1811.196655	-0.095096588
5/7/11 16:38	10086.49316	0.127593994	1811.384277	-0.2234869	1812.599487	0.128845215	1813.074585	0.004442215	1813.743652	-2.458055496	1811.192383	-0.095096588
5/7/11 16:38	10086.66113	0.11290741	1811.353882	0.106247902	1812.929199	0.121520996	1813.067261	0.008769512	1813.748047	-2.479693413	1811.170654	-0.090764999
5/7/11 16:39	10086.8291	0.127593994	1811.353882	0.113596916	1812.936523	0.128845215	1813.074585	0.008769512	1813.748047	-2.471037865	1811.179321	-0.099420547
5/7/11 16:39	10086.99609	0.127593994	1811.368652	0.106327057	1812.929321	0.121520996	1813.067261	0.008769512	1813.748047	-2.471037865	1811.179321	-0.099420547
5/7/11 16:39	10087.16406	0.127593994	1811.368652	0.120989799	1812.94397	0.106868744	1813.052612	0.004442215	1813.743652	-2.484020233	1811.166382	-0.095096588
5/7/11 16:39	10087.33203	0.112884521	1811.353882	0.106327057	1812.929321	0.128982544	1813.074707	0.004442215	1813.743652	-2.488348007	1811.161987	-0.099420547
5/7/11 16:39	10087.49902	0.127571106	1811.368652	0.099173546	1812.922119	0.114196777	1813.059937	-0.004212856	1813.734985	-2.492675781	1811.157715	-0.103752136
5/7/11 16:39	10087.66699	0.127571106	1811.369629	0.106407166	1812.929443	0.114334106	1813.060059	0.000114441	1813.73938	-2.497003555	1811.153442	-0.103752136
5/7/11 16:40	10087.83496	0.099304199	1811.339233	-0.06106472	1812.761963	0.115253448	1813.060913	0.005494118	1813.744751	-2.504606247	1811.145752	-0.10269928
5/7/11 16:40	10088.00195	0.113967896	1811.35498	0.100146294	1812.923096	0.122577667	1813.068237	0.001166821	1813.740356	-2.504606247	1811.145752	-0.098367691
5/7/11 16:40	10088.16895	0.127593994	1811.35498	0.099173546	1812.922119	0.128845215	1813.074585	0.004442215	1813.743652	-2.509990692	1811.140381	-0.103752136
5/7/11 16:40	10088.33594	0.11290741	1811.353882	0.091824532	1812.914795	0.114196777	1813.059937	0.000114441	1813.73938	-2.509990692	1811.140381	-0.108076096
5/7/11 16:40	10088.50391	0.083564758	1811.324585	0.106407166	1812.929443	0.106868744	1813.052612	0.004442215	1813.743652	-2.522973061	1811.127441	-0.099420547
5/7/11 16:40	10088.67285	0.083534241	1811.324585	-0.105908394	1812.717041	0.121658325	1813.067383	0.000114441	1813.73938	-2.518645287	1811.131714	-0.103752136
5/7/11 16:41	10088.83984	0.098251343	1811.339233	0.099253654	1812.922241	0.114196777	1813.059937	-0.004212856	1813.734985	-2.531628609	1811.118774	-0.103752136
5/7/11 16:41	10089.00781	0.11290741	1811.353882	0.135890961	1812.958862	0.114196777	1813.059937	-0.004212856	1813.734985	-2.527296066	1811.123047	-0.103752136
5/7/11 16:41	10089.17676	0.098220825	1811.339233	0.106567383	1812.929565	0.121658325	1813.067383	0.000114441	1813.73938	-2.527296066	1811.123047	-0.103752136
5/7/11 16:41	10089.34473	0.083564758	1811.324585	0.077278137	1812.900269	0.121520996	1813.067261	0.000114441	1813.73938	-2.531628609	1811.118774	-0.108076096
5/7/11 16:41	10089.51172	0.083534241	1811.324585	0.106567383	1812.929565	0.114334106	1813.060059	-0.012868404	1813.726318	-2.535951614	1811.114502	-0.108076096
5/7/11 16:41	10089.67871	0.083564758	1811.324585	0.091983795	1812.914917	0.114196777	1813.059937	-0.004212856	1813.734985	-2.531628609	1811.118774	-0.112407684
5/7/11 16:42	10089.84668	0.083564758	1811.324585	0.099332809	1812.922363	0.114196777	1813.059937	-0.004212856	1813.734985	-2.540283203	1811.110107	-0.112407684
5/7/11 16:43	10091.50195	0.083534241	1811.309937	0.077357292	1812.900391	0.121658325	1813.067383	-0.00854063	1813.730713	-2.56192112	1811.088501	-0.121063232
5/7/11 16:45	10093.17773	0.068847656	1811.309814	0.069929123	1812.892944	0.099834442	1813.045532	-0.017195702	1813.722046	-2.583559036	1811.066895	-0.121063232
5/7/11 16:47	10094.83496	0.069908142	1811.324463	0.070008278	1812.892944	0.114467621	1813.060181	-0.021523476	1813.717651	-2.605196953	1811.045166	-0.125389099
5/7/11 16:48	10096.50977	0.055221558	1811.296265	-0.244905472	1812.578125	0.121936798	1813.067627	-0.017195702	1813.722046	-2.618180275	1811.032227	-0.121063232
5/7/11 16:50	10098.17188	0.055221558	1811.295166	0.062855721	1812.885864	0.107284546	1813.052979	-0.021523476	1813.717651	-2.618180275	1811.032227	-0.125389099
5/7/11 16:52	10099.8457	0.054138184	1811.295166	0.055506706	1812.87854	0.121936798	1813.067627	-0.021523476	1813.717651	-2.635490417	1811.014893	-0.125389099
5/7/11 16:53	10101.50293	0.039474487	1811.280518	0.026137352	1812.849121	0.121936798	1813.067627	-0.034506321	1813.704712	-2.639818192	1811.01062	-0.129713058
5/7/11 16:55	10103.17676	0.039474487	1811.280518	0.026058197	1812.848999	0.107284546	1813.052979	-0.030178547	1813.709106	-2.64414978	1811.006226	-0.121063232
5/7/11 16:57	10104.83496	0.010162354	1811.251221	0.055187225	1812.878174	0.114608765	1813.060303	-0.025850773	1813.713379	-2.652805328	1810.997559	-0.129713058
5/7/11 16:58	10106.50684	0.011222839	1811.252197	0.026950836	1812.849976	0.115665436	1813.061401	-0.029126167	1813.710083	-2.66040802	1810.98999	-0.120010376
5/7/11 17:00	10108.16504	0.025901794	1811.266968	0.026950836	1812.849976	0.115524292	1813.061279	-0.029126167	1813.710083	-2.66040802	1810.98999	-0.120010376
5/7/11 17:02	10109.83984	0.025871277	1811.266846	-0.046402931	1812.776611	0.115665436	1813.061401	-0.033453941	1813.705811	-2.664735794	1810.985596	-0.120010376
5/7/11 17:03	10111.49609	0.011245728	1811.252197	0.026950836	1812.849976	0.115524292	1813.061279	-0.037781715	1813.701416	-2.66040802	1810.98999	-0.120010376
5/7/11 17:05	10113.1709	-0.004501343	1811.237549	0.033291817	1812.856323	0.136444092	1813.082153	-0.038833618	1813.700439	-2.670115471	1810.980225	-0.116735458
5/7/11 17:07	10114.82813	0.011276245	1811.252319	-0.294415474	1812.528564	0.123767853	1813.069458	-0.036729336	1813.702515	-2.672338486	1810.978027	-0.123285294
5/7/11 17:08	10116.50293	0.025901794	1811.266968	0.005056381	1812.828003	0.115524292	1813.061279	-0.033453941	1813.705811	-2.682045937	1810.968384	-0.115682602
5/7/11 17:10	10118.17578	0.011245728	1811.252197	0.012289047	1812.835327	0.115524292	1813.061279	-0.042109013	1813.697144	-2.673391342	1810.977051	-0.115682602
5/7/11 17:12	10119.83594	-0.002388	1811.238647	-0.279753685	1812.543213	0.13841629	1813.084106	-0.032401562	1813.706787	-2.672338486	1810.978027	-0.110301971
5/7/11 17:13	10121.51074	-0.002365112	1811.237549	0.035240173	1812.858276	0.13841629	1813.084106	-0.054039478	1813.685181	-2.689649582	1810.960693	-0.11895752
5/7/11 17:15	10123.16992	-0.01701355	1811.223999	-0.001317978	1812.821655	0.138553619	1813.084229	-0.036729336	1813.702515	-2.689649582	1810.960693	-0.114629745
5/7/11 17:17	10124.84375	-0.01701355	1811.223999	0.013424873	1812.836426	0.131092072	1813.076782	-0.049716473	1813.689453	-2.67666626	1810.973755	-0.114629745
5/7/11 17:18	10126.50098	-0.01701355	1811.223999	-0.279753685	1812.543213	0.13841629	1813.084106	-0.04105711	1813.69812	-2.693976402	1810.956421	-0.110301971

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW30E_WLD	MW30E_WLE	MW31A_WLD	MW31A_WLE	MW31C_WLD	MW31C_WLE	MW47B_WLD	MW47B_WLE	MW47C_WLD	MW47C_WLE	MW47D_WLD
5/7/11 17:20	10128.17578	-0.031677246	1811.209351	0.013344765	1812.836304	-0.125110626	1812.820557	-0.036729336	1813.702515	-2.680994034	1810.96936	-0.123285294
5/7/11 17:22	10129.83301	-0.017044067	1811.223999	-0.243116379	1812.579834	0.116577148	1813.062256	-0.04105711	1813.69812	-2.67666626	1810.973755	-0.101648331
5/7/11 17:23	10131.50684	-0.017044067	1811.223999	0.01326561	1812.836304	0.123901367	1813.06958	-0.049716473	1813.689453	-2.680994034	1810.96936	-0.110301971
5/7/11 17:25	10133.16504	-0.017044067	1811.223999	-0.001317978	1812.821655	-0.13243866	1812.813232	-0.04105711	1813.693848	-2.693976402	1810.965088	-0.110301971
5/7/11 17:27	10134.84082	-0.017044067	1811.223999	-0.286986351	1812.536011	0.131229401	1813.076904	-0.054039478	1813.685181	-2.680994034	1810.96936	-0.101648331
5/7/11 17:28	10136.49609	-0.047416687	1811.194702	-0.001157761	1812.821777	0.138553619	1813.084229	-0.054039478	1813.685181	-2.693976402	1810.956421	-0.114629745
5/7/11 17:30	10138.16895	-0.03276062	1811.208252	0.004975319	1812.828003	0.130039215	1813.075684	-0.037781715	1813.701416	-2.686373711	1810.963989	-0.098367691
5/7/11 17:32	10139.84277	-0.018074036	1811.2229	-0.302863121	1812.520142	0.137367249	1813.083008	-0.055091858	1813.684082	-2.677718163	1810.972656	-0.107023239
5/7/11 17:33	10141.49902	-0.018074036	1811.2229	-0.002292633	1812.820679	0.130039215	1813.075684	-0.046436787	1813.692749	-2.682045937	1810.968384	-0.115682602
5/7/11 17:35	10143.17188	-0.018043518	1811.223022	-0.009527206	1812.813477	0.129901886	1813.075562	-0.072406769	1813.66687	-2.677718163	1810.972656	-0.115682602
5/7/11 17:37	10144.83301	-0.018074036	1811.221924	0.011396408	1812.834351	0.114334106	1813.060059	-0.060475826	1813.678711	-2.696081161	1810.954346	-0.108076096
5/7/11 17:38	10146.50488	-0.033790588	1811.207275	0.011396408	1812.834351	0.136310577	1813.082031	-0.051820755	1813.687378	-2.678771019	1810.97168	-0.103752136
5/7/11 17:40	10148.16309	-0.032707214	1811.208252	0.004003525	1812.827026	0.121520996	1813.067261	-0.064799309	1813.674438	-2.691753387	1810.958618	-0.112407684
5/7/11 17:42	10149.83887	-0.032707214	1811.208252	-0.016876221	1812.806152	0.129901886	1813.075562	-0.068078995	1813.671143	-2.708011627	1810.942383	-0.098367691
5/7/11 17:43	10151.49414	-0.002342224	1811.238647	-0.008550644	1812.814453	0.123630524	1813.069336	-0.062695026	1813.676514	-2.680994034	1810.96936	-0.114629745
5/7/11 17:45	10153.17188	-0.032707214	1811.208252	0.005056381	1812.813354	0.129768372	1813.075562	-0.055091858	1813.684082	-2.695029259	1810.955322	-0.107023239
5/7/11 17:47	10154.82813	-0.032707214	1811.208252	-0.309972763	1812.513062	0.115253448	1813.060913	-0.068078995	1813.671143	-2.686373711	1810.963989	-0.098367691
5/7/11 17:48	10156.49902	-0.032707214	1811.208252	-0.024267197	1812.798706	0.122577667	1813.068237	-0.059423923	1813.67981	-2.699356079	1810.95105	-0.107023239
5/7/11 17:50	10158.17676	-0.032707214	1811.208252	0.005135536	1812.828125	0.137229919	1813.082886	-0.068078995	1813.671143	-2.690701485	1810.959717	-0.107023239
5/7/11 17:52	10159.83398	-0.032707214	1811.208252	0.0564785	1812.879517	0.129901886	1813.075562	-0.055091858	1813.684082	-2.695029259	1810.955322	-0.107023239
5/7/11 17:53	10161.50684	-0.016990662	1811.223999	-0.023053169	1812.814575	0.116306305	1813.07666	-0.049716473	1813.689453	-2.693976402	1810.956421	-0.110301971
5/7/11 17:55	10163.16406	-0.031646729	1811.209351	-0.001236916	1812.821777	0.123630524	1813.069336	-0.067027092	1813.672241	-2.698304176	1810.952148	-0.105970383
5/7/11 17:57	10164.83594	-0.016960144	1811.223999	-0.001157761	1812.821777	0.138145447	1813.083862	-0.049716473	1813.689453	-2.693976402	1810.956421	-0.114629745
5/7/11 17:58	10166.49316	-0.031646729	1811.209351	-0.008471489	1812.814453	0.116168976	1813.06189	-0.045384407	1813.693848	-2.67666626	1810.973755	-0.088661194
5/7/11 18:00	10168.16797	-0.016990662	1811.223999	-0.023211479	1812.799805	0.123630524	1813.069336	-0.071354389	1813.667847	-2.680994034	1810.96936	-0.084337234
5/7/11 18:02	10169.83984	-0.016960144	1811.223999	-0.016058922	1812.806885	0.116168976	1813.06189	-0.045384407	1813.693848	-2.70263195	1810.947754	-0.101648331
5/7/11 18:03	10171.49707	-0.03162384	1811.209351	-0.015979767	1812.807007	0.116168976	1813.06189	-0.054039478	1813.685181	-2.689649582	1810.960693	-0.101648331
5/7/11 18:05	10173.1709	-0.046287537	1811.194702	-0.015899658	1812.807129	0.123493195	1813.069214	-0.045384407	1813.693848	-2.67666626	1810.973755	-0.097314835
5/7/11 18:07	10174.82617	-0.03162384	1811.209351	-0.008550644	1812.814453	0.123493195	1813.069214	-0.058371544	1813.680908	-2.70263195	1810.947754	-0.092992783
5/7/11 18:08	10176.50098	-0.03162384	1811.208374	0.006111145	1812.829102	0.123493195	1813.069214	-0.058371544	1813.680908	-2.685321808	1810.965088	-0.101648331
5/7/11 18:10	10178.1582	-0.031646729	1811.209351	-0.015899658	1812.807129	-0.125385284	1812.820313	-0.075677395	1813.663574	-2.685321808	1810.965088	-0.110301971
5/7/11 18:12	10179.83398	-0.016960144	1811.223999	-0.015741348	1812.807251	0.130817413	1813.076538	-0.058371544	1813.680908	-2.693976402	1810.956421	-0.097314835
5/7/11 18:28	10196.48633	-0.030342102	1811.210693	0.007325172	1812.830322	0.130634308	1813.076294	-0.074623108	1813.664551	-2.701577187	1810.948853	-0.08760643
5/7/11 18:45	10213.16504	-0.030342102	1811.210693	-0.014605522	1812.80835	0.115982056	1813.061646	-0.074623108	1813.664551	-2.697250366	1810.953125	-0.096261978
5/7/11 19:02	10229.80762	-0.060821533	1811.180176	-0.068059921	1812.754883	0.121612549	1813.067261	-0.063746929	1813.675537	-2.682045937	1810.968384	-0.085390091
5/7/11 19:18	10246.47266	-0.047233582	1811.193726	0.0052948	1812.828247	0.114562988	1813.060303	-0.076729774	1813.662476	-2.669063568	1810.981323	-0.098367691
5/7/11 19:35	10263.13477	-0.061950684	1811.179077	-0.016636848	1812.806396	0.12216568	1813.067749	-0.08106184	1813.658203	-2.686373711	1810.963989	-0.081056595
5/7/11 19:52	10279.80566	-0.065132141	1811.175903	-0.019877434	1812.803101	0.118999481	1813.072021	-0.105856419	1813.633423	-2.706840515	1810.943604	-0.101524353
5/7/11 20:08	10296.4707	-0.064239502	1811.176758	-0.026057243	1812.796875	0.113555908	1813.059204	-0.091821194	1813.647461	-2.69280529	1810.957642	-0.083162308
5/7/11 20:25	10313.13086	-0.065292358	1811.175781	-0.013344765	1812.796021	0.104122162	1813.043579	-0.093925476	1813.646362	-2.690582275	1810.960815	-0.089597702
5/7/11 20:42	10329.79883	-0.094696045	1811.146362	-0.019558907	1812.803467	-0.143566132	1812.802124	-0.079886436	1813.659302	-2.698185921	1810.952148	-0.075559616
5/7/11 20:58	10346.45996	-0.094749451	1811.14624	-0.034105301	1812.788818	0.091091156	1813.036743	-0.101528645	1813.637695	-2.676548004	1810.973877	-0.097200394
5/7/11 21:15	10363.1123	-0.126098633	1811.114868	-0.021751404	1812.80127	0.081245422	1813.026978	-0.090648174	1813.64856	-2.665671349	1810.984741	-0.094976425
5/7/11 21:32	10379.77539	-0.099967957	1811.140991	-0.046889305	1812.776123	0.070888519	1813.016602	-0.10679388	1813.632446	-2.68181324	1810.968628	-0.059186935
5/7/11 21:48	10396.44141	-0.115653992	1811.125366	-0.047865868	1812.782471	0.0623703	1813.000732	-0.112173557	1813.627075	-2.678537369	1810.971802	-0.086204529
5/7/11 22:05	10413.10254	-0.146141052	1811.093872	-0.049158096	1812.773804	0.054405212	1813.000122	-0.108898163	1813.630371	-2.662279129	1810.988159	-0.078601837
5/7/11 22:22	10429.77539	-0.148124695	1811.092896	-0.044000626	1812.778931	0.05160141	1812.997314	-0.115332603	1813.623901	-2.677368164	1810.973022	-0.076379776
5/7/11 22:38	10446.42773	-0.13243103	1811.108643	-0.035471916	1812.787476	0.045608521	1812.991333	-0.122933388	1813.616333	-2.680642128	1810.969727	-0.058015823

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW30E_WLD	MW30E_WLE	MW31A_WLD	MW31A_WLE	MW31C_WLD	MW31C_WLE	MW47B_WLD	MW47B_WLE	MW47C_WLD	MW47C_WLE	MW47D_WLD
5/7/11 22:55	10463.09277	-0.143997192	1811.097046	-0.054123878	1812.768799	-0.207290649	1812.738403	-0.102461815	1813.636719	-2.694795609	1810.955566	-0.067840576
5/7/11 23:12	10479.74805	-0.15763855	1811.083374	-0.044781685	1812.778198	0.051300049	1812.996948	-0.104689598	1813.634521	-2.675380707	1810.974976	-0.070064545
5/7/11 23:28	10496.40918	-0.170211792	1811.070801	-0.029064178	1812.793945	0.05235672	1812.998047	-0.103635311	1813.63562	-2.674326897	1810.976074	-0.086320877
5/7/11 23:45	10513.08496	-0.18170166	1811.059326	-0.040401459	1812.782593	-0.200820923	1812.744873	-0.104804039	1813.634399	-2.697133064	1810.953247	-0.065851212
5/8/11 0:02	10529.74902	-0.179542542	1811.061523	-0.053034782	1812.769897	0.04271698	1812.988403	-0.111354828	1813.62793	-2.686373711	1810.963989	-0.076730728
5/8/11 0:18	10546.40137	-0.195281982	1811.045776	-0.053769112	1812.769165	0.041797638	1812.987549	-0.103752136	1813.635498	-2.700408936	1810.949951	-0.069126129
5/8/11 0:35	10563.07324	-0.195373535	1811.045654	-0.091700554	1812.731323	0.041301727	1812.987061	-0.100476265	1813.638794	-2.697133064	1810.953247	-0.065851212
5/8/11 0:52	10579.73535	-0.196380615	1811.030029	-0.062138557	1812.760864	0.033699036	1812.97937	-0.117786884	1813.62146	-2.68847847	1810.961914	-0.07450676
5/8/11 1:08	10596.39941	-0.178565979	1811.0625	-0.044551849	1812.778442	0.058818817	1813.004517	-0.110302925	1813.628906	-2.689649582	1810.960693	-0.071350098
5/8/11 1:25	10613.05664	-0.179595947	1811.061401	-0.045368195	1812.777588	0.042995453	1812.988647	-0.124337673	1813.614868	-2.699356079	1810.95105	-0.094045639
5/8/11 1:42	10629.71582	-0.193222046	1811.048828	-0.080869675	1812.742065	0.044185638	1812.989868	-0.123285294	1813.615967	-2.67666626	1810.973755	-0.088661194
5/8/11 1:58	10646.38281	-0.193222046	1811.047852	-0.057839394	1812.765137	0.052547455	1812.998291	-0.126558781	1813.612671	-2.67561245	1810.974731	-0.078950882
5/8/11 2:15	10663.04102	-0.178588867	1811.063477	-0.050366402	1812.772583	0.038051605	1812.983765	-0.143868923	1813.595337	-2.684267044	1810.966064	-0.08760643
5/8/11 2:32	10679.70703	-0.191108704	1811.049927	-0.071442604	1812.751587	0.031646729	1812.977295	-0.134159565	1813.605103	-2.674557686	1810.97583	-0.077896118
5/8/11 2:48	10696.36523	-0.203681946	1811.036255	-0.33408165	1812.488892	0.032840729	1812.978516	-0.128779888	1813.610474	-2.682160378	1810.968262	-0.081176758
5/8/11 3:05	10713.02832	-0.201545715	1811.039429	-0.052485466	1812.770508	0.035861969	1812.981567	-0.138606071	1813.600586	-2.670349121	1810.97998	-0.086675644
5/8/11 3:22	10729.69824	-0.199462891	1811.026855	-0.050534248	1812.772461	0.023456573	1812.998413	-0.140827179	1813.602783	-2.672570229	1810.973511	-0.054271698
5/8/11 3:38	10746.35352	-0.21308136	1811.027954	-0.056868553	1812.766113	0.031845093	1812.977539	-0.135445118	1813.60376	-2.675843239	1810.974609	-0.074859619
5/8/11 3:55	10763.0166	-0.199447632	1811.042603	-0.072508812	1812.750488	0.023319244	1812.968994	-0.145154476	1813.594116	-2.681224823	1810.969116	-0.071580887
5/8/11 4:12	10779.67285	-0.205764771	1811.035278	-0.086105347	1812.736816	0.031646729	1812.977295	-0.155797482	1813.583496	-2.683213234	1810.967163	-0.077896118
5/8/11 4:28	10796.33496	-0.220466614	1811.020508	-0.062959671	1812.76001	0.032840729	1812.978516	-0.150417805	1813.588867	-2.660522461	1810.989868	-0.063861847
5/8/11 4:45	10812.99902	-0.219413757	1811.021606	-0.063038826	1812.76001	0.025512695	1812.971191	-0.163400173	1813.575806	-2.682160378	1810.968262	-0.072517395
5/8/11 5:02	10829.66895	-0.21836853	1811.021606	-0.048492432	1812.774536	0.032840729	1812.978516	-0.176387787	1813.562866	-2.677832603	1810.972534	-0.076845169
5/8/11 5:18	10846.32422	-0.220497131	1811.005859	-0.078836441	1812.744141	0.017272949	1812.963013	-0.160129547	1813.579102	-2.683213234	1810.967163	-0.064914703
5/8/11 5:35	10862.99512	-0.215194702	1811.011108	-0.066170692	1812.756836	0.037055969	1812.982788	-0.172178745	1813.567017	-2.677951813	1810.972412	-0.081291199
5/8/11 5:52	10879.64941	-0.239295959	1811.001709	-0.068367958	1812.754639	0.020492554	1812.966187	-0.153926373	1813.585327	-2.672686577	1810.977661	-0.080356598
5/8/11 6:08	10896.30957	-0.239295959	1811.001709	-0.397864342	1812.425171	0.005844116	1812.951538	-0.175564289	1813.563721	-2.694324493	1810.956055	-0.067369461
5/8/11 6:25	10912.97754	-0.238121033	1811.00293	-0.074822426	1812.748169	0.013534546	1812.959229	-0.152873993	1813.586304	-2.693272591	1810.957153	-0.061990738
5/8/11 6:42	10929.62988	-0.235801697	1811.005249	-0.365729332	1812.457275	0.021869659	1812.967529	-0.185392857	1813.553833	-2.695493698	1810.954834	-0.085853577
5/8/11 6:58	10946.2998	-0.23487854	1811.020874	-0.071415901	1812.751465	0.008960724	1812.954712	-0.167023659	1813.572266	-2.685783386	1810.968994	-0.084798813
5/8/11 7:15	10962.95801	-0.234794617	1811.020874	-0.0128479	1812.810181	-0.225833893	1812.719849	-0.18433857	1813.554932	-2.694438934	1810.955933	-0.076145172
5/8/11 7:32	10979.63574	-0.203163147	1811.023193	-0.062197685	1812.760742	0.00969696	1812.955444	-0.19954443	1813.539673	-2.705322266	1810.945068	-0.091350555
5/8/11 7:48	10996.28809	-0.183914185	1811.043457	-0.065406799	1812.757568	0.034099579	1812.979736	-0.178022861	1813.561157	-2.683795929	1810.966553	-0.082807541
5/8/11 8:05	11012.94727	-0.164527893	1811.076538	-0.061264038	1812.761719	0.028240204	1812.973877	-0.199777603	1813.539429	-2.683913231	1810.966431	-0.082927704
5/8/11 8:22	11029.6084	-0.132453918	1811.108521	-0.073126793	1812.749878	0.048259735	1812.993896	-0.179308414	1813.559937	-2.698064804	1810.952271	-0.075437546
5/8/11 8:38	11046.28516	-0.102256775	1811.138794	-0.138268471	1812.684692	0.050418854	1812.996094	-0.208547115	1813.53064	-2.714320183	1810.936035	-0.083042145
5/8/11 8:55	11062.93848	-0.099281311	1811.141724	-0.047409058	1812.775635	-0.187164307	1812.758545	-0.209718227	1813.529541	-2.711163521	1810.939209	-0.09286499
5/8/11 9:12	11079.59766	-0.096199036	1811.144775	-0.037249565	1812.785767	0.065448761	1813.011108	-0.215214729	1813.524048	-2.708004951	1810.942383	-0.085382462
5/8/11 11:58	11246.22461	0.000450134	1811.241455	-0.005706787	1812.817261	0.103565216	1813.049316	-0.242228031	1813.496948	-2.717712402	1810.932617	-0.108068466
5/8/11 14:45	11412.84082	-0.011100769	1811.229858	-0.046808243	1812.776123	0.101551056	1813.047241	-0.28573513	1813.453491	-2.739581108	1810.910767	-0.121282578
5/8/11 17:32	11579.46484	-0.059249878	1811.181763	-0.063732147	1812.759277	0.091449738	1813.037109	-0.334749699	1813.404541	-2.76262188	1810.887817	-0.148651123
5/8/11 20:18	11746.08008	-0.105323792	1811.135742	-0.088526726	1812.734497	0.051933289	1812.997681	-0.370772362	1813.368408	-2.772683144	1810.877686	-0.167362213
5/8/11 23:05	11912.70801	-0.1902771	1811.050781	-0.128781319	1812.694214	-0.003620148	1812.942139	-0.412645817	1813.326538	-2.797242165	1810.853149	-0.187599182
5/9/11 1:52	12079.33105	-0.233047485	1811.007935	-0.149671555	1812.67334	-0.017494202	1812.928223	-0.409837246	1813.329346	-2.803089142	1810.84729	-0.19344902
5/9/11 4:38	12245.95605	-0.266593933	1810.974365	-0.139123917	1812.683838	-0.057674408	1812.888062	-0.433929443	1813.305298	-2.805547714	1810.844849	-0.195903778
5/9/11 7:25	12412.58398	-0.269012451	1810.970947	-0.193746567	1812.629272	-0.072158813	1812.873535	-0.467381477	1813.271851	-2.838999748	1810.811401	-0.229354858
5/9/11 10:12	12579.20117	-0.198318481	1811.057373	-0.174518585	1812.648438	-0.027420044	1812.918213	-0.495458126	1813.243774	-2.897364616	1810.753052	-0.287721634
5/9/11 12:58	12745.81543	-0.143913269	1811.097046	-0.156383514	1812.666626	-0.023376465	1812.922363	-0.506567478	1813.232666	-2.912805557	1810.737549	-0.311817169

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW30E_WLD	MW30E_WLE	MW31A_WLD	MW31A_WLE	MW31C_WLD	MW31C_WLE	MW47B_WLD	MW47B_WLE	MW47C_WLD	MW47C_WLE	MW47D_WLD
5/9/11 15:45	12912.44727	-0.104125977	1811.123291	-0.153232574	1812.6698	0.017559052	1812.963257	-0.520252228	1813.218994	-2.904849052	1810.745605	-0.286550522
5/9/11 18:32	13079.07129	-0.488296509	1810.767334	-0.229128838	1812.593872	-0.14799118	1812.797729	-0.564928055	1813.174316	-3.364990234	1810.2854	-0.811609268
5/9/11 21:18	13245.69336	-0.717964172	1810.52417	-0.317980766	1812.505005	-0.544586182	1812.401123	-0.592419147	1813.146851	-3.479037285	1810.171387	-0.934310913
5/10/11 0:05	13412.30078	-0.746536255	1810.494507	-0.332910538	1812.490112	-0.323894501	1812.621826	-0.589848042	1813.149414	-3.506759644	1810.143677	-0.953378677
5/10/11 2:52	13578.92676	-0.757858276	1810.482056	-0.329746246	1812.493286	-0.329158783	1812.616577	-0.591017246	1813.148193	-3.490617752	1810.15979	-0.954547882
5/10/11 5:38	13745.55469	-0.806427002	1810.435669	-0.355214119	1812.467773	-0.35370636	1812.592041	-0.606341839	1813.132935	-3.49728775	1810.153076	-0.948234558
5/10/11 8:25	13912.16602	-0.825576782	1810.415405	-0.36879921	1812.454224	-0.38710022	1812.558594	-0.603889942	1813.135376	-3.529456139	1810.120972	-0.984735489
5/10/11 11:12	14078.79785	-0.675468445	1810.565552	-0.365772247	1812.457275	-0.329750061	1812.615967	-0.582608223	1813.156616	-3.508174896	1810.142212	-0.941810608
5/10/11 13:58	14245.4082	-0.601409912	1810.639648	-0.277170181	1812.545776	-0.254032135	1812.69165	-0.567869186	1813.171387	-3.484780312	1810.165649	-0.94005394
5/10/11 16:45	14412.03418	-0.617980957	1810.623047	-0.271565437	1812.551392	-0.248195648	1812.69751	-0.588802814	1813.150391	-3.518696785	1810.131714	-0.978298187
5/10/11 19:32	14578.66016	-0.675514221	1810.565552	-0.270031929	1812.552979	-0.276988983	1812.668701	-0.583422661	1813.155762	-3.526299477	1810.124146	-0.994562149
5/10/11 22:18	14745.27637	-0.714698792	1810.526367	-0.330758095	1812.492188	-0.315200806	1812.630493	-0.609392643	1813.129883	-3.508994102	1810.141357	-0.959939957
5/11/11 1:05	14911.90234	-0.793281555	1810.447754	-0.306707382	1812.516235	-0.328071594	1812.617676	-0.575707436	1813.163574	-3.496946335	1810.153442	-0.973859787
5/11/11 3:52	15078.51758	-0.826957703	1810.414063	-0.31076622	1812.512207	-0.360767365	1812.584961	-0.571263313	1813.167969	-3.501157761	1810.14917	-0.965087891
5/11/11 6:38	15245.15137	-0.848983765	1810.39209	-0.369239807	1812.453735	-0.361637115	1812.584106	-0.589044571	1813.150146	-3.57519722	1810.075195	-1.000178337
5/11/11 9:25	15411.76953	-0.861541748	1810.394165	-0.389613152	1812.43335	-0.367523193	1812.578125	-0.567054749	1813.172119	-3.488293648	1810.162109	-0.956554413
5/11/11 12:12	15578.3877	-0.601547241	1810.639404	-0.277241707	1812.545776	-0.277488708	1812.668213	-0.575591087	1813.163696	-3.345364571	1810.305054	-0.770341873
5/11/11 14:58	15745.00391	-0.411834717	1810.829224	-0.475231171	1812.347778	-0.123130798	1812.82251	-0.497806549	1813.241455	-2.921355247	1810.729004	-0.329021454
5/11/11 17:45	15911.62402	-0.286911011	1810.954102	-0.476633072	1812.346313	-0.074924469	1812.870728	-0.59524107	1813.144043	-2.871643066	1810.778809	-0.262004852
5/11/11 20:32	16078.25977	-0.315368652	1810.926758	-0.151276588	1812.671753	-0.071178436	1812.874512	-0.548102379	1813.191162	-2.854797363	1810.795654	-0.262472153
5/11/11 23:18	16244.87988	-0.339660645	1810.901367	-0.168936729	1812.654053	-0.095691681	1812.849976	-0.558632851	1813.180542	-2.878314972	1810.772095	-0.247034073
5/12/11 2:05	16411.49414	-0.31362915	1810.927368	-0.143485069	1812.679443	-0.076568604	1812.869141	-0.561084747	1813.178101	-3.049547195	1810.60083	-0.175912857
5/12/11 4:52	16578.11719	-0.330444336	1810.910522	-0.15169239	1812.671265	-0.084812164	1812.86084	-2.851527214	1810.887695	-6.659956932	1806.990479	-3.414131165
5/12/11 15:58	17244.60156	-0.183197021	1811.07251	-0.115852356	1812.707153	0.000324249	1812.946045	-0.605417252	1813.133789	-2.834211349	1810.816162	-0.233226776

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW47D_WLE	MW48B_WLD	MW48B_WLE	MW48C_WLD	MW48C_WLE	MW48D_WLD	MW48D_WLE	MW49B_WLD	MW49B_WLE	MW49C_WLD	MW49C_WLE
4/30/11 16:29	2.551150084	1813.715332	-0.073093414	1813.503418	-0.086074829	1813.522827	-0.073093414	1813.601074	-0.125024796	1813.548828	-0.064439774	1813.89978
4/30/11 16:39	9.998366356	1813.650391	-0.510673046	1812.992798	-0.272647858	1813.250244	-0.017311096	1813.58374	-1.224755287	1812.322998	-0.060585022	1813.838135
4/30/11 16:49	19.99691582	1813.634155	-0.557224274	1812.946167	-0.462013245	1813.060791	-0.020586014	1813.580444	-1.340556622	1812.207275	-0.068187714	1813.830566
4/30/11 16:59	29.99004936	1813.63501	-0.573603153	1812.92981	-0.560617447	1812.96228	-0.006668091	1813.59436	-1.368855476	1812.177856	-0.053215027	1813.844482
4/30/11 17:09	39.98183441	1813.638306	-0.604950905	1812.898438	-0.617929459	1812.904907	-0.003395081	1813.597656	-1.409916878	1812.137939	-0.051000595	1813.847778
4/30/11 17:19	49.97788239	1813.627686	-0.632904053	1812.870483	-0.654546738	1812.868286	-0.005382538	1813.595703	-1.4421978	1812.105591	-0.052984238	1813.845825
4/30/11 17:29	59.9766655	1813.635254	-0.651268959	1812.852173	-0.672906876	1812.849976	0.002218246	1813.603271	-1.464894295	1812.082886	-0.036733627	1813.862061
4/30/11 17:39	69.97721863	1813.637573	-0.662028313	1812.841431	-0.679338455	1812.843506	0.008769989	1813.609863	-1.479977131	1812.067871	-0.034505844	1813.864258
4/30/11 17:49	79.97341919	1813.639893	-0.681328773	1812.822144	-0.698638916	1812.824219	-0.006202698	1813.594849	-1.50360918	1812.044189	-0.032167435	1813.866577
4/30/11 17:59	89.97554779	1813.640015	-0.689869404	1812.813599	-0.698524475	1812.824341	-0.001756668	1813.599365	-1.515420914	1812.032349	-0.039655685	1813.859131
4/30/11 18:09	99.9717865	1813.64856	-0.689983845	1812.813477	-0.689985275	1812.832886	0.006778717	1813.607788	-1.525247097	1812.022583	-0.027839661	1813.870972
4/30/11 18:19	109.9689636	1813.655151	-0.713615894	1812.789795	-0.696302414	1812.826538	0.000461578	1813.601563	-1.535892487	1812.011963	-0.034158707	1813.864624
4/30/11 18:29	119.956665	1813.639038	-0.716772556	1812.786621	-0.690803528	1812.832031	0.010288239	1813.611328	-1.539049149	1812.008789	-0.041641235	1813.857178
4/30/11 18:39	129.9540863	1813.646606	-0.722152233	1812.78125	-0.691856384	1812.831055	0.004907608	1813.605957	-1.548756123	1811.999023	-0.02971077	1813.869019
4/30/11 18:49	139.9494781	1813.647705	-0.716772556	1812.786621	-0.682151794	1812.840698	0.014616013	1813.615723	-1.565018654	1811.982788	-0.028659821	1813.870117
4/30/11 18:59	149.9534149	1813.651123	-0.730692863	1812.772705	-0.687417984	1812.835449	0.013677597	1813.614746	-1.561628819	1811.986206	-0.025268555	1813.873535
4/30/11 19:09	159.960968	1813.646851	-0.739229202	1812.76416	-0.687294006	1812.835571	0.009469986	1813.610596	-1.574492931	1811.97229	-0.029478073	1813.868286
4/30/11 19:19	169.9581451	1813.646973	-0.743442535	1812.76001	-0.682851791	1812.839966	0.013910294	1813.61499	-1.58302927	1811.964722	-0.033691406	1813.865112
4/30/11 19:29	179.9511261	1813.641602	-0.744494438	1812.758911	-0.683904648	1812.838989	0.017190933	1813.618286	-1.588408947	1811.959351	-0.026088715	1813.872681
4/30/11 19:39	189.9528656	1813.644897	-0.750926495	1812.75354	-0.686008453	1812.837891	0.015087128	1813.617188	-1.585133553	1811.962646	-0.031463623	1813.86731
4/30/11 19:49	199.947876	1813.640625	-0.749757767	1812.753662	-0.689167023	1812.83374	0.01625061	1813.61731	-1.589344501	1811.958496	-0.022695541	1813.876099
4/30/11 19:59	209.9439545	1813.640747	-0.758296013	1812.745117	-0.6847229	1812.838135	0.012041092	1813.613159	-1.597882748	1811.949951	-0.031230927	1813.867554
4/30/11 20:09	219.9481049	1813.64624	-0.761455059	1812.741943	-0.683555603	1812.839355	0.017541885	1813.618652	-1.601041794	1811.946777	-0.025737762	1813.873047
4/30/11 20:19	229.9294434	1813.649658	-0.766717911	1812.736694	-0.693145752	1812.829712	0.012277603	1813.613281	-1.61063242	1811.937134	-0.026674271	1813.87207
4/30/11 20:29	239.9272766	1813.64978	-0.775258541	1812.728149	-0.688703537	1812.834106	0.021043777	1813.62207	-1.606190205	1811.94165	-0.02655983	1813.872192
4/30/11 20:39	249.9377594	1813.656372	-0.768707752	1812.734741	-0.686479568	1812.836426	0.018938065	1813.619995	-1.612622261	1811.934082	-0.024332047	1813.873413
4/30/11 20:49	259.9354858	1813.651123	-0.773973465	1812.729492	-0.68309021	1812.839722	0.018005371	1813.619019	-1.6135602	1811.934204	-0.016618729	1813.88208
4/30/11 20:59	269.9232483	1813.656616	-0.77712965	1812.726318	-0.677591324	1812.845215	0.014848709	1813.615967	-1.616716385	1811.93103	-0.015443802	1813.883301
4/30/11 21:09	279.9238892	1813.652344	-0.772687912	1812.730713	-0.681804657	1812.841064	0.014959335	1813.615967	-1.625257492	1811.922485	-0.019657135	1813.87915
4/30/11 21:19	289.9251099	1813.648193	-0.781226158	1812.722168	-0.681688309	1812.841187	0.015079498	1813.616089	-1.629467964	1811.918335	-0.023866653	1813.874878
4/30/11 21:29	299.9246216	1813.655884	-0.782161713	1812.721313	-0.68262291	1812.84021	0.018472672	1813.619507	-1.630403519	1811.918457	-0.020475388	1813.879395
4/30/11 21:39	309.9195862	1813.65271	-0.785322666	1812.71814	-0.68145752	1812.841431	0.023965836	1813.625	-1.633564472	1811.914185	-0.01930809	1813.879395
4/30/11 21:49	319.918335	1813.657227	-0.78087616	1812.722534	-0.685665131	1812.837158	0.019758224	1813.62085	-1.637773514	1811.910034	-0.014862061	1813.883911
4/30/11 21:59	329.9153442	1813.652954	-0.78941679	1812.713989	-0.681222916	1812.841675	0.019872665	1813.620972	-1.637663364	1811.910156	-0.01474762	1813.884033
4/30/11 22:09	339.9111023	1813.658447	-0.783918381	1812.719482	-0.675725937	1812.847168	0.025371552	1813.626465	-1.636487961	1811.911255	-0.017904282	1813.880859
4/30/11 22:19	349.9128113	1813.655273	-0.787079334	1812.716309	-0.678886414	1812.843994	0.022209167	1813.623291	-1.635325432	1811.913574	-0.016736984	1813.883057
4/30/11 22:29	359.9077759	1813.661865	-0.789183617	1812.714233	-0.67665863	1812.846191	0.024433136	1813.625488	-1.637430191	1811.9104	-0.010187149	1813.88855
4/30/11 22:39	369.9070129	1813.658691	-0.788012505	1812.715454	-0.675491333	1812.847412	0.0169487	1813.618042	-1.636254311	1811.911499	-0.013343811	1813.885376
4/30/11 22:49	379.9004211	1813.657593	-0.784735203	1812.723022	-0.672214508	1812.850586	0.028877258	1813.629883	-1.641640663	1811.906128	-0.014396667	1813.884399
4/30/11 22:59	389.9001465	1813.656616	-0.772810936	1812.730591	-0.668941498	1812.853882	0.032150269	1813.633179	-1.638363361	1811.909424	-0.015451431	1813.883301
4/30/11 23:09	399.8978577	1813.66748	-0.774915218	1812.728516	-0.662389755	1812.860474	0.038702011	1813.639771	-1.63613987	1811.910645	-0.008901596	1813.888794
4/30/11 23:19	409.8957214	1813.661011	-0.772687912	1812.730713	-0.660171509	1812.862671	0.040924072	1813.641968	-1.638244629	1811.909546	-0.011005402	1813.887695
4/30/11 23:29	419.8928528	1813.6698	-0.772573471	1812.730835	-0.655729294	1812.867065	0.045366287	1813.646484	-1.638130188	1811.909668	-0.002235413	1813.896484
4/30/11 23:39	429.8929138	1813.671997	-0.770354271	1812.733032	-0.657833099	1812.86499	0.038938522	1813.640015	-1.64023447	1811.912964	-0.012994766	1813.886841
4/30/11 23:49	439.8961182	1813.670898	-0.771406651	1812.732056	-0.658885956	1812.864014	0.046541214	1813.647583	-1.636959076	1811.910889	-0.005392075	1813.893311
4/30/11 23:59	449.8925171	1813.672119	-0.770233631	1812.733154	-0.653385162	1812.869507	0.043382645	1813.644409	-1.640117645	1811.907715	0.000104904	1813.898926
5/1/11 0:09	459.879425	1813.682007	-0.7733922	1812.72998	-0.652215958	1812.870605	0.048879623	1813.649902	-1.634621143	1811.913208	0.005599976	1813.904419
5/1/11 0:19	469.8830261	1813.678833	-0.77222538	1812.731201	-0.646717072	1812.876099	0.054374695	1813.655396	-1.637777805	1811.911011	0.002443314	1813.902222

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW47D_WLE	MW48B_WLD	MW48B_WLE	MW48C_WLD	MW48C_WLE	MW48D_WLD	MW48D_WLE	MW49B_WLD	MW49B_WLE	MW49C_WLD	MW49C_WLE
5/1/11 0:29	479.881073	1813.678833	-0.77222538	1812.731201	-0.646717072	1812.876099	0.050046921	1813.651123	-1.637777805	1811.910034	0.002443314	1813.901245
5/1/11 0:39	489.8788452	1813.679932	-0.771054268	1812.732422	-0.649877548	1812.872925	0.055545807	1813.656616	-1.636606693	1811.911133	0.016597748	1813.915405
5/1/11 0:49	499.8612976	1813.686523	-0.777490616	1812.725952	-0.647655487	1812.875244	0.053440094	1813.654541	-1.63438797	1811.912354	0.018815994	1813.916504
5/1/11 0:59	509.8616943	1813.687744	-0.771994591	1812.731445	-0.642158508	1812.880737	0.058937073	1813.660034	-1.637546539	1811.910278	0.015657425	1813.914429
5/1/11 1:09	519.8577881	1813.681274	-0.769768715	1812.733643	-0.63561058	1812.887207	0.061153412	1813.662231	-1.63532114	1811.912476	0.02220726	1813.921021
5/1/11 1:19	529.8606567	1813.682251	-0.764387131	1812.739014	-0.634555817	1812.888306	0.062208176	1813.66333	-1.634266853	1811.912476	0.023260117	1813.921021
5/1/11 1:29	539.8572388	1813.689941	-0.761113644	1812.74231	-0.626955032	1812.895874	0.069812775	1813.670898	-1.630998135	1811.915771	0.030860901	1813.928589
5/1/11 1:39	549.8531494	1813.686646	-0.764387131	1812.739014	-0.625900269	1812.896973	0.066539764	1813.667603	-1.629943848	1811.917847	0.031915665	1813.930664
5/1/11 1:49	559.8547363	1813.699585	-0.764387131	1812.739014	-0.630228043	1812.892578	0.066539764	1813.667603	-1.629943848	1811.917847	0.031915665	1813.930664
5/1/11 1:59	569.8573608	1813.695313	-0.760059357	1812.743408	-0.630228043	1812.892578	0.075195313	1813.67627	-1.625616074	1811.926514	0.031915665	1813.930664
5/1/11 2:09	579.8534546	1813.701782	-0.762166023	1812.741211	-0.619346619	1812.903564	0.08174324	1813.682861	-1.62772274	1811.920044	0.034141541	1813.932861
5/1/11 2:19	589.8516235	1813.700806	-0.763217926	1812.740234	-0.616077423	1812.906738	0.080692291	1813.681763	-1.628774643	1811.919067	0.037416458	1813.936157
5/1/11 2:29	599.8493652	1813.706055	-0.753625393	1812.749756	-0.610811234	1812.911987	0.085956573	1813.687012	-1.623509407	1811.919922	0.038354874	1813.937134
5/1/11 2:39	609.8544312	1813.710327	-0.749297619	1812.75415	-0.606479645	1812.920654	0.094612122	1813.691406	-1.623509407	1811.924316	0.038354874	1813.937134
5/1/11 2:49	619.8500366	1813.707031	-0.748362064	1812.755005	-0.601215363	1812.921631	0.091220856	1813.692261	-1.622573853	1811.925171	0.03928566	1813.937988
5/1/11 2:59	629.8358154	1813.709106	-0.750583172	1812.752808	-0.59910965	1812.923706	0.093326569	1813.694336	-1.624790668	1811.921997	0.045724869	1813.943481
5/1/11 3:09	639.8425293	1813.712402	-0.751637459	1812.751831	-0.595840454	1812.927002	0.096599579	1813.697632	-1.625844955	1811.92627	0.048997879	1813.943481
5/1/11 3:19	649.840332	1813.717896	-0.759123802	1812.744263	-0.594667435	1812.928223	0.102096558	1813.703125	-1.629003525	1811.918823	0.050167084	1813.948975
5/1/11 3:29	659.8231201	1813.723389	-0.762280464	1812.741089	-0.593500137	1812.929321	0.10326767	1813.704346	-1.632160187	1811.915649	0.055664063	1813.954468
5/1/11 3:39	669.822876	1813.725586	-0.760059357	1812.743408	-0.595607758	1812.927246	0.109815598	1813.710938	-1.634266853	1811.913574	0.057886124	1813.956665
5/1/11 3:49	679.8244629	1813.730957	-0.759006977	1812.744385	-0.590223312	1812.932617	0.110868454	1813.711914	-1.637546539	1811.910278	0.05893898	1813.957764
5/1/11 3:59	689.817688	1813.730957	-0.763334751	1812.740112	-0.585895538	1812.937012	0.110868454	1813.711914	-1.641870022	1811.910278	0.067592621	1813.962036
5/1/11 4:09	699.8319702	1813.742798	-0.760176182	1812.743286	-0.582736969	1812.940063	0.109699249	1813.710815	-1.63438797	1811.913452	0.07075119	1813.969482
5/1/11 4:19	709.8260498	1813.738403	-0.764503479	1812.738892	-0.578409195	1812.944458	0.118354797	1813.719482	-1.63438797	1811.913452	0.07075119	1813.969482
5/1/11 4:29	719.821228	1813.737427	-0.761228085	1812.742188	-0.575134277	1812.947754	0.121629715	1813.722656	-1.635439873	1811.913452	0.069700241	1813.969482
5/1/11 4:39	729.8097534	1813.741699	-0.761228085	1812.742188	-0.579462051	1812.943359	0.121629715	1813.722656	-1.635439873	1811.908081	0.074028015	1813.977173
5/1/11 4:49	739.8087769	1813.749268	-0.766608238	1812.736816	-0.57185936	1812.950928	0.124904633	1813.725952	-1.640815258	1811.908081	0.077302933	1813.977173
5/1/11 4:59	749.8054199	1813.748169	-0.767783642	1812.735596	-0.573030472	1812.949829	0.128061295	1813.729126	-1.637659073	1811.904785	0.076131821	1813.973877
5/1/11 5:09	759.8016968	1813.751465	-0.764503479	1812.738892	-0.569753647	1812.953125	0.135669708	1813.736694	-1.641990662	1811.905762	0.084787369	1813.983521
5/1/11 5:19	769.7966919	1813.753662	-0.770939827	1812.732422	-0.567531586	1812.955322	0.133563995	1813.734619	-1.649475098	1811.902588	0.085958481	1813.984741
5/1/11 5:29	779.7998047	1813.76123	-0.767662525	1812.735718	-0.564258575	1812.958618	0.136833191	1813.737915	-1.654857159	1811.892944	0.084903717	1813.983643
5/1/11 5:39	789.7988892	1813.763428	-0.769768715	1812.733643	-0.566364288	1812.956543	0.139059067	1813.740112	-1.652636051	1811.895142	0.091451645	1813.990234
5/1/11 5:49	799.7960815	1813.767822	-0.77410078	1812.72937	-0.562036514	1812.960815	0.139059067	1813.740112	-1.652636051	1811.890869	0.095779419	1813.994507
5/1/11 5:59	809.7993774	1813.765747	-0.776205063	1812.727173	-0.56414032	1812.95874	0.141277313	1813.74231	-1.659068108	1811.889771	0.098007202	1813.997803
5/1/11 6:09	819.8001709	1813.77124	-0.779364109	1812.724121	-0.562973022	1812.959839	0.138118744	1813.739136	-1.662226677	1811.88562	0.094848633	1813.993652
5/1/11 6:19	829.7947388	1813.773438	-0.781470776	1812.721924	-0.560750961	1812.962158	0.144668579	1813.745728	-1.664333344	1811.886719	0.101396561	1813.999146
5/1/11 6:29	839.7921143	1813.774658	-0.784626961	1812.71875	-0.559579849	1812.963257	0.15017128	1813.751221	-1.667489529	1811.880249	0.106895447	1814.005615
5/1/11 6:39	849.7927856	1813.77356	-0.78567934	1812.717773	-0.560632706	1812.962158	0.149118423	1813.750244	-1.668541908	1811.880249	0.101511002	1814.001343
5/1/11 6:49	859.7770996	1813.779053	-0.784508228	1812.718872	-0.559465408	1812.963379	0.150285721	1813.751343	-1.671702862	1811.880371	0.107006073	1814.010132
5/1/11 6:59	869.7738037	1813.771606	-0.783337116	1812.720093	-0.56262207	1812.960205	0.147129059	1813.748169	-1.67053175	1811.871826	0.103849411	1814.001587
5/1/11 7:09	879.7728882	1813.779175	-0.780061722	1812.723389	-0.559347153	1812.963501	0.150403976	1813.751465	-1.675911427	1811.876221	0.107124329	1814.005859
5/1/11 7:19	889.7697144	1813.778076	-0.781116009	1812.72229	-0.556074142	1812.966797	0.153673172	1813.754761	-1.681293488	1811.869751	0.110403061	1814.008057
5/1/11 7:29	899.7668457	1813.771729	-0.778895378	1812.724487	-0.553852081	1812.968994	0.151565552	1813.752686	-1.674745083	1811.873047	0.108295441	1814.00708
5/1/11 7:39	909.7659912	1813.778076	-0.776788712	1812.726685	-0.551746368	1812.971069	0.149349213	1813.750366	-1.672638416	1811.876221	0.106069565	1814.005859
5/1/11 7:49	919.7631836	1813.781372	-0.773513317	1812.729858	-0.552797318	1812.970093	0.152620316	1813.753662	-1.673690796	1811.874146	0.109350204	1814.008057
5/1/11 7:59	929.7573853	1813.77478	-0.771406651	1812.732056	-0.550691605	1812.972168	0.154727936	1813.755737	-1.667256355	1811.880493	0.111455917	1814.010254
5/1/11 8:09	939.7544556	1813.774658	-0.771525383	1812.731934	-0.546482086	1812.976318	0.154613495	1813.755615	-1.663047791	1811.884766	0.111333847	1814.010132
5/1/11 8:19	949.7680054	1813.778076	-0.776788712	1812.726685	-0.556074142	1812.966797	0.149349213	1813.750366	-1.672638416	1811.875122	0.106069565	1814.004883

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW47D_WLE	MW48B_WLD	MW48B_WLE	MW48C_WLD	MW48C_WLE	MW48D_WLD	MW48D_WLE	MW49B_WLD	MW49B_WLE	MW49C_WLD	MW49C_WLE
5/1/11 8:29	959.7615967	1813.772705	-0.773513317	1812.729858	-0.552797318	1812.970093	0.148298264	1813.74939	-1.673690796	1811.874146	0.100690842	1813.999512
5/1/11 8:39	969.7555542	1813.771729	-0.778895378	1812.724487	-0.553852081	1812.968994	0.151565552	1813.752686	-1.670417309	1811.868774	0.108295441	1814.00708
5/1/11 8:49	979.753479	1813.77063	-0.775619984	1812.727783	-0.554904938	1812.967896	0.150514603	1813.751587	-1.676849365	1811.870972	0.106191635	1814.005005
5/1/11 8:59	989.7450562	1813.772705	-0.782168388	1812.721191	-0.548465729	1812.974365	0.152620316	1813.753662	-1.682345867	1811.869751	0.105018616	1814.003784
5/1/11 9:09	999.7601318	1813.778198	-0.78099966	1812.722412	-0.555957794	1812.966919	0.149461746	1813.750488	-1.681176662	1811.866577	0.101860046	1814.00061
5/1/11 9:19	1009.750244	1813.782715	-0.789537907	1812.713867	-0.551511765	1812.971313	0.149583817	1813.75061	-1.685387611	1811.862427	0.106304169	1814.005127
5/1/11 9:29	1019.749146	1813.781616	-0.786264896	1812.717163	-0.552566528	1812.970337	0.152851105	1813.753906	-1.682114601	1811.865723	0.109580994	1814.008301
5/1/11 9:39	1029.747192	1813.785034	-0.791527748	1812.711914	-0.549175262	1812.973633	0.156248093	1813.757324	-1.691705227	1811.857178	0.104318619	1814.00415
5/1/11 9:49	1039.740234	1813.777466	-0.799014091	1812.704346	-0.56098938	1812.961914	0.144430161	1813.745483	-1.694864273	1811.852905	0.105482101	1814.004272
5/1/11 9:59	1049.738892	1813.778564	-0.793634415	1812.709839	-0.559936523	1812.962891	0.145483017	1813.746582	-1.693811893	1811.854004	0.102210999	1814.000977
5/1/11 10:09	1059.74707	1813.774292	-0.797962189	1812.705444	-0.555604935	1812.967285	0.141159058	1813.742188	-1.698139668	1811.849609	0.106534958	1814.005249
5/1/11 10:19	1069.72522	1813.778687	-0.797843456	1812.705566	-0.559812546	1812.963013	0.149932861	1813.750977	-1.702348232	1811.845459	0.102325439	1814.001099
5/1/11 10:29	1079.729004	1813.778687	-0.793515682	1812.709961	-0.555490494	1812.967407	0.145605087	1813.746704	-1.706675529	1811.840088	0.106658936	1814.004395
5/1/11 10:39	1089.724976	1813.77002	-0.806498528	1812.696899	-0.559812546	1812.963013	0.136949539	1813.738037	-1.702348232	1811.845459	0.106658936	1814.005371
5/1/11 10:49	1099.723145	1813.770142	-0.806384087	1812.697021	-0.559703827	1812.963135	0.141391754	1813.742432	-1.710888863	1811.836914	0.098114014	1813.996826
5/1/11 10:59	1109.720703	1813.768066	-0.804160595	1812.699219	-0.561807632	1812.96106	0.139287949	1813.740356	-1.712993145	1811.839111	0.096008301	1813.994751
5/1/11 11:09	1119.717285	1813.765991	-0.806267262	1812.697144	-0.559581757	1812.963257	0.137182236	1813.738281	-1.710772038	1811.837036	0.093902588	1813.992676
5/1/11 11:19	1129.715332	1813.758423	-0.809425831	1812.69397	-0.567073822	1812.955811	0.138349533	1813.73938	-1.718258381	1811.82959	0.095075607	1813.993896
5/1/11 11:29	1139.710205	1813.761597	-0.801939487	1812.701538	-0.568237305	1812.95459	0.137182236	1813.738281	-1.715099812	1811.832642	0.08524704	1813.984009
5/1/11 11:39	1149.706421	1813.761597	-0.801939487	1812.701538	-0.563915253	1812.958984	0.13284874	1813.733887	-1.715099812	1811.832642	0.08524704	1813.984009
5/1/11 11:49	1159.718628	1813.751953	-0.807321548	1812.696045	-0.564968109	1812.957886	0.131795883	1813.73291	-1.711826801	1811.835938	0.084192276	1813.98291
5/1/11 11:59	1169.719971	1813.757324	-0.801939487	1812.701538	-0.563915253	1812.958984	0.13284874	1813.733887	-1.715099812	1811.832642	0.08092308	1813.979736
5/1/11 12:09	1179.701172	1813.752808	-0.797728539	1812.705688	-0.564025879	1812.958862	0.128404617	1813.729492	-1.719548225	1811.828247	0.076475143	1813.97522
5/1/11 12:19	1189.705322	1813.748535	-0.797728539	1812.705688	-0.564025879	1812.958862	0.132736206	1813.733765	-1.715216637	1811.83252	0.072151184	1813.970947
5/1/11 12:29	1199.699097	1813.751709	-0.80322504	1812.700195	-0.565198898	1812.957642	0.127241135	1813.728271	-1.71205759	1811.835693	0.075311661	1813.974121
5/1/11 12:39	1209.700073	1813.748413	-0.797843456	1812.705566	-0.564146042	1812.95874	0.13261795	1813.733643	-1.711003304	1811.836792	0.080688477	1813.979492
5/1/11 12:49	1219.697754	1813.746338	-0.795624256	1812.707764	-0.566253662	1812.956543	0.126186371	1813.727295	-1.717443943	1811.829346	0.078578949	1813.976318
5/1/11 12:59	1229.688965	1813.751709	-0.794569969	1812.708862	-0.56086731	1812.962036	0.131563187	1813.732666	-1.716389656	1811.831421	0.079633713	1813.978394
5/1/11 13:09	1239.687256	1813.746216	-0.800066471	1812.703369	-0.562040329	1812.960815	0.134721756	1813.73584	-1.717554092	1811.8302	0.07847023	1813.977295
5/1/11 13:19	1249.681152	1813.744019	-0.802170753	1812.701294	-0.564146042	1812.95874	0.128295898	1813.72937	-1.715335369	1811.83252	0.080688477	1813.979492
5/1/11 13:29	1259.67981	1813.744995	-0.805562973	1812.697876	-0.563205719	1812.959595	0.129230499	1813.730347	-1.718727589	1811.829102	0.081628799	1813.980347
5/1/11 13:39	1269.67688	1813.750366	-0.804510593	1812.698975	-0.562152863	1812.960693	0.125955582	1813.727051	-1.713343143	1811.834473	0.087003708	1813.985718
5/1/11 13:49	1279.674561	1813.751587	-0.80766964	1812.695801	-0.565311432	1812.95752	0.127124786	1813.728149	-1.725157261	1811.82373	0.079521179	1813.97937
5/1/11 13:59	1289.690552	1813.750488	-0.804394245	1812.698975	-0.566364288	1812.956543	0.130399704	1813.731445	-1.721886158	1811.825928	0.07847023	1813.977295
5/1/11 14:09	1299.670654	1813.754883	-0.808721542	1812.694702	-0.562040329	1812.960815	0.130399704	1813.731445	-1.726209164	1811.821533	0.07847023	1813.977295
5/1/11 14:19	1309.682495	1813.750488	-0.813053608	1812.69043	-0.562040329	1812.960815	0.134721756	1813.73584	-1.730536938	1811.817261	0.082792282	1813.981567
5/1/11 14:29	1319.666016	1813.753784	-0.814105988	1812.689331	-0.558761597	1812.964111	0.138002396	1813.739014	-1.727261543	1811.821533	0.077417374	1813.977295
5/1/11 14:39	1329.680908	1813.753784	-0.814105988	1812.689331	-0.558761597	1812.964111	0.138002396	1813.739014	-1.731589317	1811.816162	0.0860672	1813.984863
5/1/11 14:49	1339.670898	1813.755859	-0.812001228	1812.691406	-0.556657791	1812.966187	0.140106201	1813.741211	-1.729484558	1811.818359	0.088172913	1813.986938
5/1/11 14:59	1349.670776	1813.758057	-0.818428993	1812.684937	-0.554437637	1812.968384	0.138002396	1813.739014	-1.735916615	1811.81189	0.081741333	1813.980469
5/1/11 15:09	1359.66748	1813.753784	-0.814105988	1812.689331	-0.563093185	1812.959717	0.138002396	1813.739014	-1.735916615	1811.81189	0.081741333	1813.980469
5/1/11 15:19	1369.665039	1813.754761	-0.813165665	1812.690308	-0.557830811	1812.964966	0.138933182	1813.73999	-1.73498106	1811.811768	0.082679749	1813.980347
5/1/11 15:29	1379.666382	1813.752441	-0.811059475	1812.692383	-0.56004715	1812.962769	0.136716843	1813.737793	-1.732874393	1811.814941	0.084787369	1813.983521
5/1/11 15:39	1389.665039	1813.750244	-0.817610264	1812.685791	-0.553619385	1812.969238	0.130167007	1813.731201	-1.730770111	1811.817017	0.091215134	1813.98999
5/1/11 15:49	1399.647217	1813.752319	-0.811180592	1812.692261	-0.560167313	1812.962646	0.136600494	1813.737671	-1.73299551	1811.814819	0.093320847	1813.992065
5/1/11 15:59	1409.646118	1813.751343	-0.817610264	1812.68689	-0.562274933	1812.96167	0.130167007	1813.7323	-1.73837328	1811.80835	0.087944031	1813.985596
5/1/11 16:09	1419.645264	1813.752319	-0.819835663	1812.683594	-0.555835724	1812.967041	0.136600494	1813.737671	-1.737318993	1811.810425	0.084665298	1813.983398
5/1/11 16:19	1429.639771	1813.758789	-0.817728996	1812.685669	-0.549406052	1812.973389	0.138706207	1813.739746	-1.739544392	1811.808228	0.091104507	1813.989868

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW47D_WLE	MW48B_WLD	MW48B_WLE	MW48C_WLD	MW48C_WLE	MW48D_WLD	MW48D_WLE	MW49B_WLD	MW49B_WLE	MW49C_WLD	MW49C_WLE
5/1/11 16:29	1439.636475	1813.756592	-0.81994772	1812.683472	-0.551624298	1812.971191	0.14081192	1813.741821	-1.733108044	1811.814697	0.088876724	1813.987671
5/1/11 16:39	1449.648315	1813.753296	-0.823223114	1812.680176	-0.54624939	1812.976563	0.146190643	1813.747314	-1.745042801	1811.802734	0.089929581	1813.988647
5/1/11 16:49	1459.631104	1813.761963	-0.823223114	1812.680176	-0.550573349	1812.97229	0.146190643	1813.747314	-1.745042801	1811.802734	0.089929581	1813.988647
5/1/11 16:59	1469.628906	1813.763062	-0.822171211	1812.681274	-0.549520493	1812.973389	0.142915726	1813.744019	-1.752645969	1811.796143	0.09098053	1813.990845
5/1/11 17:09	1479.625854	1813.768433	-0.825448513	1812.677979	-0.548465729	1812.974365	0.148298264	1813.74939	-1.751591682	1811.796143	0.087713242	1813.98645
5/1/11 17:19	1489.62439	1813.764038	-0.825448513	1812.677979	-0.544143677	1812.97876	0.152620316	1813.753662	-1.751591682	1811.796143	0.100690842	1813.999512
5/1/11 17:29	1499.62207	1813.767334	-0.8265028	1812.67688	-0.549520493	1812.973389	0.155899048	1813.756958	-1.756973267	1811.790771	0.099636078	1813.998413
5/1/11 17:39	1509.622559	1813.768433	-0.829771996	1812.673706	-0.539810181	1812.983032	0.156951904	1813.758057	-1.75591898	1811.79187	0.100690842	1813.999512
5/1/11 17:49	1519.621948	1813.768433	-0.829771996	1812.673706	-0.539810181	1812.983032	0.156951904	1813.758057	-1.764574051	1811.783203	0.100690842	1813.999512
5/1/11 17:59	1529.623169	1813.769409	-0.833051682	1812.67041	-0.551746368	1812.971069	0.145021439	1813.746094	-1.763522148	1811.785278	0.097419739	1813.997192
5/1/11 18:09	1539.619629	1813.767334	-0.835158348	1812.668213	-0.545196533	1812.977661	0.151565552	1813.752686	-1.76995182	1811.778931	0.099636078	1813.999512
5/1/11 18:19	1549.622559	1813.771729	-0.835158348	1812.668213	-0.540864944	1812.981934	0.155899048	1813.756958	-1.7710042	1811.777832	0.098583221	1813.998413
5/1/11 18:29	1559.610474	1813.77063	-0.831878185	1812.671509	-0.541917801	1812.980957	0.159170151	1813.760254	-1.7710042	1811.776733	0.098583221	1813.997314
5/1/11 18:39	1569.606567	1813.771729	-0.839481354	1812.66394	-0.536542892	1812.986328	0.155899048	1813.756958	-1.778606892	1811.769165	0.103963852	1814.002686
5/1/11 18:49	1579.605103	1813.771729	-0.835158348	1812.668213	-0.536542892	1812.986328	0.1602211	1813.76123	-1.774283886	1811.77356	0.103963852	1814.002686
5/1/11 18:59	1589.605225	1813.77063	-0.840533733	1812.662842	-0.537593842	1812.985229	0.16350174	1813.764526	-1.783991337	1811.763794	0.107244492	1814.005981
5/1/11 19:09	1599.606445	1813.773926	-0.841585636	1812.661865	-0.538646698	1812.984253	0.162448883	1813.76355	-1.78504324	1811.762695	0.101860046	1814.00061
5/1/11 19:19	1609.600952	1813.799805	-0.841585636	1812.661865	-0.538646698	1812.984253	0.158117294	1813.759155	-1.780711174	1811.76709	0.123502731	1814.022217
5/1/11 19:29	1619.597168	1813.773926	-0.83726263	1812.666138	-0.534315109	1812.988525	0.166776657	1813.767822	-1.789371014	1811.758423	0.106191635	1814.005005
5/1/11 19:39	1629.599731	1813.772827	-0.842638016	1812.660767	-0.539699554	1812.983154	0.161396027	1813.762451	-1.790422916	1811.757324	0.10080719	1813.999512
5/1/11 19:49	1639.591675	1813.767456	-0.843689919	1812.659668	-0.540750504	1812.982056	0.156013489	1813.75708	-1.791475296	1811.756348	0.095428467	1813.994141
5/1/11 19:59	1649.584351	1813.770752	-0.844744682	1812.658691	-0.537473679	1812.985352	0.159290314	1813.760376	-1.792529583	1811.755249	0.094373703	1813.993164
5/1/11 20:09	1659.59436	1813.772949	-0.851182938	1812.652222	-0.539579391	1812.983276	0.157184601	1813.758301	-1.790308475	1811.753174	0.100925446	1813.999634
5/1/11 20:19	1669.585815	1813.770874	-0.844632149	1812.658813	-0.546016693	1812.976807	0.163734436	1813.764771	-1.792413235	1811.755371	0.107477188	1814.006226
5/1/11 20:29	1679.580811	1813.771973	-0.843459129	1812.659912	-0.544843674	1812.978027	0.160575867	1813.761597	-1.795571804	1811.752197	0.104318619	1814.003052
5/1/11 20:39	1689.576782	1813.775269	-0.848843098	1812.654541	-0.541566849	1812.981323	0.163850784	1813.764893	-1.796624184	1811.751221	0.103265762	1814.002075
5/1/11 20:49	1699.577759	1813.778564	-0.849897385	1812.653564	-0.551280975	1812.971558	0.158470154	1813.759521	-1.797678471	1811.750122	0.110866547	1814.009644
5/1/11 20:59	1709.586304	1813.776489	-0.852001667	1812.651367	-0.540403366	1812.982422	0.160692215	1813.761719	-1.795450687	1811.743652	0.113090515	1814.011841
5/1/11 21:09	1719.581299	1813.777588	-0.849774361	1812.653687	-0.542507172	1812.980347	0.158588409	1813.759644	-1.802941322	1811.744873	0.109931946	1814.008667
5/1/11 21:19	1729.581055	1813.779907	-0.852935314	1812.650513	-0.54133606	1812.981567	0.155427933	1813.75647	-1.800715923	1811.74707	0.1121521	1814.010864
5/1/11 21:29	1739.563477	1813.781006	-0.851768494	1812.651611	-0.54882431	1812.973999	0.152271271	1813.753296	-1.803872585	1811.744995	0.113323212	1814.013184
5/1/11 21:39	1749.560181	1813.782227	-0.846270084	1812.657104	-0.547653198	1812.97522	0.157764435	1813.758789	-1.802710533	1811.745117	0.118818283	1814.017578
5/1/11 21:49	1759.557617	1813.779053	-0.84942627	1812.654053	-0.546487808	1812.976318	0.150279999	1813.751343	-1.805866718	1811.741943	0.115661621	1814.014404
5/1/11 21:59	1769.557129	1813.782349	-0.850478649	1812.652954	-0.547538757	1812.975342	0.153556824	1813.754639	-1.798264027	1811.749512	0.114608765	1814.013428
5/1/11 22:09	1779.554077	1813.780151	-0.848261833	1812.655151	-0.549646378	1812.973145	0.147121429	1813.748169	-1.809025764	1811.73877	0.108175278	1814.006958
5/1/11 22:19	1789.557861	1813.783447	-0.849314213	1812.654053	-0.546365738	1812.97644	0.14607048	1813.74707	-1.806800365	1811.742065	0.106067657	1814.005859
5/1/11 22:29	1799.557373	1813.778076	-0.846036434	1812.657349	-0.543096542	1812.979736	0.145015717	1813.746094	-1.802476883	1811.745361	0.110395432	1814.009155
5/1/11 22:39	1809.55481	1813.7771	-0.842765808	1812.660645	-0.544149399	1812.97876	0.148290634	1813.74939	-1.803529263	1811.744263	0.113670349	1814.012451
5/1/11 22:49	1819.551758	1813.776001	-0.839485645	1812.659668	-0.549524307	1812.968994	0.147239685	1813.748291	-1.804581165	1811.743164	0.1126194	1814.011353
5/1/11 22:59	1829.546509	1813.779297	-0.840538025	1812.662842	-0.550577164	1812.97229	0.150518417	1813.751587	-1.801305771	1811.74646	0.10723877	1814.005981
5/1/11 23:09	1839.539307	1813.7771	-0.842642307	1812.660767	-0.548358917	1812.974487	0.148414612	1813.749512	-1.799082756	1811.748657	0.109462738	1814.008179
5/1/11 23:19	1849.550415	1813.776123	-0.839373589	1812.664063	-0.545080185	1812.977783	0.151683807	1813.752686	-1.808792114	1811.747681	0.108407974	1814.007202
5/1/11 23:29	1859.549072	1813.779419	-0.836093903	1812.667358	-0.541805267	1812.981079	0.150630951	1813.751709	-1.801189423	1811.746582	0.111682892	1814.006104
5/1/11 23:39	1869.531494	1813.782715	-0.832820415	1812.670654	-0.542860031	1812.97998	0.153907776	1813.755005	-1.80224371	1811.745605	0.110630035	1814.009399
5/1/11 23:49	1879.530762	1813.77832	-0.828493118	1812.674927	-0.547187805	1812.975708	0.149576187	1813.75061	-1.797915936	1811.749878	0.106302261	1814.005127
5/1/11 23:59	1889.539551	1813.782715	-0.824165344	1812.679199	-0.542860031	1812.97998	0.153907776	1813.755005	-1.797915936	1811.749878	0.110630035	1814.009399
5/2/11 0:09	1899.542114	1813.780518	-0.826269627	1812.677124	-0.549291611	1812.973511	0.15180397	1813.75293	-1.795688629	1811.752075	0.104196548	1814.007324
5/2/11 0:19	1909.532227	1813.783813	-0.827322006	1812.676147	-0.541688919	1812.981201	0.155075073	1813.756104	-1.796740532	1811.755371	0.111801147	1814.006226

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW47D_WLE	MW48B_WLD	MW48B_WLE	MW48C_WLD	MW48C_WLE	MW48D_WLD	MW48D_WLE	MW49B_WLD	MW49B_WLE	MW49C_WLD	MW49C_WLE
5/2/11 0:29	1919.529785	1813.782715	-0.828373909	1812.675049	-0.538414001	1812.984375	0.158349991	1813.759399	-1.797792912	1811.75	0.115076065	1814.013794
5/2/11 0:39	1929.521362	1813.785034	-0.830480576	1812.672974	-0.544847488	1812.978027	0.156244278	1813.757324	-1.795576096	1811.752197	0.112968445	1814.011719
5/2/11 0:49	1939.518555	1813.78833	-0.827207565	1812.67627	-0.541574478	1812.981323	0.15086174	1813.751953	-1.792298794	1811.755493	0.116241455	1814.015015
5/2/11 0:59	1949.516357	1813.782837	-0.828259468	1812.675171	-0.533971786	1812.988892	0.158464432	1813.759521	-1.797682762	1811.753418	0.115190506	1814.012939
5/2/11 1:09	1959.508789	1813.786133	-0.820656776	1812.682739	-0.53935051	1812.983521	0.157413483	1813.758423	-1.798735142	1811.749023	0.118465424	1814.017212
5/2/11 1:19	1969.519775	1813.789429	-0.826036453	1812.677368	-0.540403366	1812.982422	0.1606884	1813.761719	-1.799787045	1811.752319	0.121740341	1814.020508
5/2/11 1:29	1979.518677	1813.789429	-0.821708679	1812.681763	-0.536075592	1812.986816	0.165019989	1813.766113	-1.795454979	1811.752319	0.121740341	1814.020508
5/2/11 1:39	1989.518921	1813.793823	-0.813053608	1812.69043	-0.527420044	1812.995483	0.173675537	1813.77478	-1.795454979	1811.752319	0.126068115	1814.02478
5/2/11 1:49	1999.516846	1813.798096	-0.813053608	1812.69043	-0.52309227	1812.999756	0.169343948	1813.770386	-1.795454979	1811.752319	0.130395889	1814.033447
5/2/11 1:59	2009.499146	1813.803467	-0.816329002	1812.687134	-0.522041321	1813.000854	0.179050446	1813.780151	-1.795454979	1811.752319	0.126068115	1814.02478
5/2/11 2:09	2019.507568	1813.807861	-0.807673931	1812.695801	-0.517713547	1813.005127	0.183382034	1813.784424	-1.785747528	1811.762085	0.131448746	1814.030273
5/2/11 2:19	2029.502441	1813.808838	-0.810949326	1812.692505	-0.512332916	1813.010498	0.180103302	1813.781128	-1.789027691	1811.758789	0.141155243	1814.035645
5/2/11 2:29	2039.500854	1813.813232	-0.806621552	1812.696777	-0.512332916	1813.010498	0.184434891	1813.785522	-1.789027691	1811.758789	0.136833191	1814.035645
5/2/11 2:39	2049.498047	1813.820801	-0.803346157	1812.700073	-0.513385773	1813.009521	0.183382034	1813.784424	-1.790079594	1811.75769	0.140104294	1814.038818
5/2/11 2:49	2059.484375	1813.813232	-0.806621552	1812.696777	-0.508005142	1813.014893	0.193090439	1813.794189	-1.789027691	1811.758789	0.149810791	1814.048584
5/2/11 2:59	2069.48291	1813.821777	-0.806621552	1812.696777	-0.503677368	1813.019165	0.193090439	1813.794189	-1.78037262	1811.767456	0.15414238	1814.052856
5/2/11 3:09	2079.496338	1813.830444	-0.806621552	1812.696777	-0.499349594	1813.023438	0.197418213	1813.798462	-1.78037262	1811.767456	0.158466339	1814.057251
5/2/11 3:19	2089.478027	1813.829468	-0.803346157	1812.700073	-0.500402451	1813.022461	0.20069313	1813.801758	-1.781424522	1811.762085	0.161745071	1814.060547
5/2/11 3:29	2099.477783	1813.834961	-0.806505203	1812.696899	-0.499233246	1813.023682	0.206184387	1813.807251	-1.788906574	1811.758911	0.16724205	1814.061646
5/2/11 3:39	2109.487549	1813.844727	-0.809663773	1812.693726	-0.498060226	1813.02478	0.207357407	1813.808472	-1.787742138	1811.76001	0.168411255	1814.067139
5/2/11 3:49	2119.486084	1813.841553	-0.812820435	1812.690552	-0.496894836	1813.026001	0.208524704	1813.80957	-1.795221806	1811.752563	0.169578552	1814.068359
5/2/11 3:59	2129.496338	1813.844971	-0.813757896	1812.689697	-0.506483078	1813.016357	0.211919785	1813.812988	-1.800487041	1811.747314	0.172967911	1814.071777
5/2/11 4:09	2139.475342	1813.844971	-0.813757896	1812.689697	-0.49782753	1813.025024	0.20759201	1813.808594	-1.796164036	1811.755981	0.181627274	1814.080444
5/2/11 4:19	2149.474121	1813.851563	-0.811534882	1812.691895	-0.495609283	1813.027222	0.209814072	1813.810913	-1.802591324	1811.749512	0.175195694	1814.06958
5/2/11 4:29	2159.470703	1813.846313	-0.816800117	1812.686646	-0.496541977	1813.026367	0.213205338	1813.814209	-1.80785656	1811.738892	0.169929504	1814.072021
5/2/11 4:39	2169.468018	1813.850586	-0.816800117	1812.686646	-0.496541977	1813.026367	0.217533112	1813.818604	-1.80785656	1811.73999	0.174257278	1814.072998
5/2/11 4:49	2179.46875	1813.853882	-0.817852497	1812.685547	-0.497594833	1813.025269	0.212152481	1813.813232	-1.804585934	1811.743164	0.18185997	1814.076294
5/2/11 4:59	2189.466309	1813.858154	-0.809196949	1812.694214	-0.493270874	1813.029541	0.212152481	1813.813232	-1.804585934	1811.743164	0.18185997	1814.080566
5/2/11 5:09	2199.45874	1813.86145	-0.805917263	1812.69751	-0.489995956	1813.032837	0.219755173	1813.820801	-1.801305771	1811.74646	0.180809021	1814.07959
5/2/11 5:19	2209.455322	1813.854004	-0.809078217	1812.694336	-0.488824844	1813.034058	0.225250244	1813.826294	-1.795811653	1811.747681	0.186302185	1814.080688
5/2/11 5:29	2219.459473	1813.8573	-0.805807114	1812.697632	-0.485553741	1813.037354	0.224197388	1813.825317	-1.80119133	1811.746582	0.185251236	1814.083984
5/2/11 5:39	2229.449707	1813.861572	-0.805807114	1812.697632	-0.485553741	1813.037354	0.219875336	1813.820923	-1.80119133	1811.746582	0.189582825	1814.088379
5/2/11 5:49	2239.445801	1813.8573	-0.805807114	1812.697632	-0.489875793	1813.032959	0.21554184	1813.81665	-1.796864033	1811.750977	0.193904877	1814.092651
5/2/11 5:59	2249.452881	1813.858276	-0.800423145	1812.703003	-0.484500885	1813.03833	0.225250244	1813.826294	-1.791484356	1811.756348	0.190633774	1814.089355
5/2/11 6:09	2259.451416	1813.861572	-0.801475048	1812.701904	-0.481222153	1813.041626	0.228528976	1813.82959	-1.783881187	1811.763916	0.193904877	1814.092651
5/2/11 6:19	2269.447021	1813.858276	-0.800423145	1812.703003	-0.475845337	1813.046997	0.229581833	1813.830688	-1.787160873	1811.76062	0.199289322	1814.098022
5/2/11 6:29	2279.442139	1813.861572	-0.797152042	1812.706299	-0.481222153	1813.041626	0.228528976	1813.82959	-1.783881187	1811.763916	0.198238373	1814.097046
5/2/11 6:39	2289.440186	1813.862793	-0.795976639	1812.707397	-0.475723267	1813.047119	0.234024048	1813.835083	-1.787037849	1811.765137	0.199403763	1814.098145
5/2/11 6:49	2299.436523	1813.86499	-0.798083305	1812.705322	-0.469173431	1813.053711	0.231916428	1813.833008	-1.793476105	1811.754272	0.210279465	1814.109009
5/2/11 6:59	2309.432129	1813.867188	-0.795866489	1812.703247	-0.475608826	1813.042969	0.234138489	1813.835205	-1.795582771	1811.752197	0.19519043	1814.093994
5/2/11 7:09	2319.422119	1813.86731	-0.800077438	1812.703369	-0.471164703	1813.051636	0.234254837	1813.835327	-1.795461655	1811.748047	0.199634552	1814.098389
5/2/11 7:19	2329.419678	1813.872803	-0.79890871	1812.704468	-0.478651047	1813.044189	0.231096268	1813.832153	-1.793245316	1811.749146	0.193201065	1814.090942
5/2/11 7:29	2339.431396	1813.87085	-0.805226326	1812.698242	-0.476312637	1813.046509	0.224779129	1813.825806	-1.80493784	1811.742798	0.194486618	1814.093262
5/2/11 7:39	2349.41333	1813.867676	-0.804050446	1812.699341	-0.479469299	1813.043335	0.234609604	1813.835693	-1.812426567	1811.735352	0.187002182	1814.085815
5/2/11 7:49	2359.411865	1813.866699	-0.800779819	1812.702637	-0.476194382	1813.046631	0.237880707	1813.838989	-1.804823399	1811.741943	0.1902771	1814.088013
5/2/11 7:59	2369.42627	1813.863525	-0.808263779	1812.69519	-0.479354858	1813.043457	0.221740723	1813.822754	-1.807984352	1811.739746	0.187116623	1814.085938
5/2/11 8:09	2379.420898	1813.861328	-0.797389984	1812.706055	-0.481458664	1813.041382	0.228292465	1813.829346	-1.805756569	1811.742065	0.185012817	1814.08374
5/2/11 8:19	2389.417236	1813.858154	-0.791888714	1812.711548	-0.480289459	1813.042603	0.229455948	1813.830566	-1.808915615	1811.743164	0.190509796	1814.084961

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW47D_WLE	MW48B_WLD	MW48B_WLE	MW48C_WLD	MW48C_WLE	MW48D_WLD	MW48D_WLE	MW49B_WLD	MW49B_WLE	MW49C_WLD	MW49C_WLE
5/2/11 8:29	2399.406738	1813.86145	-0.788613319	1812.714844	-0.48567009	1813.037231	0.232736588	1813.83374	-1.805640221	1811.742188	0.18513298	1814.083862
5/2/11 8:39	2409.401611	1813.851929	-0.793876648	1812.709595	-0.482278824	1813.040527	0.227472305	1813.828491	-1.802248001	1811.745605	0.188526154	1814.083008
5/2/11 8:49	2419.400879	1813.848755	-0.797035217	1812.706421	-0.489765167	1813.033081	0.219982147	1813.821045	-1.80540657	1811.741333	0.181034088	1814.078735
5/2/11 8:59	2429.402588	1813.84668	-0.794814587	1812.708618	-0.49187088	1813.031006	0.213552475	1813.814575	-1.807513237	1811.740234	0.178928375	1814.077637
5/2/11 9:09	2439.40332	1813.836914	-0.791538715	1812.711914	-0.488595963	1813.034302	0.216823578	1813.817871	-1.804237843	1811.74353	0.177875519	1814.07666
5/2/11 9:19	2449.401367	1813.844482	-0.788263321	1812.71521	-0.489646912	1813.033203	0.220104218	1813.821167	-1.796630383	1811.751221	0.17250061	1814.071289
5/2/11 9:29	2459.397217	1813.842407	-0.78604269	1812.717407	-0.487426758	1813.0354	0.213665009	1813.814697	-1.798737049	1811.749023	0.170394897	1814.069214
5/2/11 9:39	2469.395752	1813.843628	-0.780546188	1812.7229	-0.481929779	1813.040894	0.214838028	1813.815918	-1.797572613	1811.750244	0.17155838	1814.070313
5/2/11 9:49	2479.39209	1813.837158	-0.782650471	1812.720825	-0.492689133	1813.030151	0.212734222	1813.813843	-1.79534483	1811.752441	0.169454575	1814.068237
5/2/11 9:59	2489.388672	1813.83606	-0.775047302	1812.728394	-0.489414215	1813.033447	0.211681366	1813.812744	-1.792074203	1811.755737	0.164079666	1814.062866
5/2/11 10:09	2499.385254	1813.83606	-0.775047302	1812.728394	-0.485086441	1813.03772	0.216005325	1813.817017	-1.792074203	1811.755737	0.168401718	1814.067139
5/2/11 10:19	2509.378174	1813.83606	-0.779375076	1812.723999	-0.485086441	1813.03772	0.211681366	1813.812744	-1.787746429	1811.761108	0.164079666	1814.063843
5/2/11 10:29	2519.37793	1813.838379	-0.777153969	1812.726318	-0.491519928	1813.031372	0.209575653	1813.810669	-1.789853096	1811.757935	0.166296005	1814.065063
5/2/11 10:39	2529.375244	1813.833008	-0.773880959	1812.729492	-0.492574692	1813.030273	0.212842941	1813.813965	-1.782252312	1811.765503	0.165241241	1814.063965
5/2/11 10:49	2539.369141	1813.836182	-0.76627779	1812.737183	-0.484972	1813.037842	0.211791992	1813.812866	-1.787631989	1811.760132	0.164188385	1814.062988
5/2/11 10:59	2549.376465	1813.83728	-0.769553185	1812.733887	-0.488246918	1813.034668	0.212842941	1813.813965	-1.782252312	1811.765503	0.165241241	1814.063965
5/2/11 11:09	2559.382324	1813.831909	-0.761950016	1812.741455	-0.489299774	1813.033569	0.224779129	1813.825806	-1.774649143	1811.77417	0.164188385	1814.063965
5/2/11 11:19	2569.375244	1813.831909	-0.761950016	1812.741455	-0.480644226	1813.042236	0.216123581	1813.817139	-1.778972626	1811.768799	0.164188385	1814.062988
5/2/11 11:29	2579.378662	1813.827515	-0.761950016	1812.741455	-0.484972	1813.037842	0.220451355	1813.821533	-1.775701523	1811.772095	0.163137436	1814.06189
5/2/11 11:39	2589.356445	1813.830811	-0.75867033	1812.744751	-0.477369308	1813.045532	0.215070724	1813.816162	-1.780024529	1811.767822	0.163137436	1814.06189
5/2/11 11:49	2599.36792	1813.836182	-0.757618427	1812.74585	-0.480644226	1813.042236	0.216123581	1813.817139	-1.774649143	1811.77417	0.164188385	1814.063965
5/2/11 11:59	2609.36499	1813.831909	-0.753294945	1812.750122	-0.480644226	1813.042236	0.220451355	1813.821533	-1.770317078	1811.777466	0.164188385	1814.062988
5/2/11 12:09	2619.362305	1813.831909	-0.752243042	1812.750122	-0.470937729	1813.050903	0.221504211	1813.821533	-1.770317078	1811.777466	0.168521881	1814.067261
5/2/11 12:19	2629.360352	1813.836182	-0.753294945	1812.750122	-0.471988678	1813.050903	0.224779129	1813.825806	-1.770317078	1811.778564	0.172843933	1814.072632
5/2/11 12:29	2639.361328	1813.83728	-0.752243042	1812.751221	-0.475265503	1813.047607	0.225830078	1813.826904	-1.770317078	1811.777466	0.168521881	1814.067261
5/2/11 12:39	2649.344482	1813.835083	-0.750136375	1812.753296	-0.468830109	1813.053955	0.223609924	1813.824707	-1.767158508	1811.78064	0.176002502	1814.074707
5/2/11 12:49	2659.339355	1813.839355	-0.750136375	1812.753296	-0.473157883	1813.049683	0.223609924	1813.824707	-1.767158508	1811.781738	0.17168045	1814.071533
5/2/11 12:59	2669.335938	1813.839355	-0.754459381	1812.749023	-0.468830109	1813.053955	0.232265472	1813.833374	-1.771490574	1811.776245	0.176002502	1814.074707
5/2/11 13:09	2679.333984	1813.841431	-0.748029709	1812.755371	-0.47105217	1813.051758	0.230043411	1813.831055	-1.769383907	1811.777344	0.173786163	1814.071533
5/2/11 13:19	2689.345459	1813.842529	-0.746977806	1812.75647	-0.469999313	1813.052856	0.231096268	1813.832153	-1.768331528	1811.779419	0.17483902	1814.073608
5/2/11 13:29	2699.345703	1813.838257	-0.750248432	1812.752075	-0.468946457	1813.052856	0.236474991	1813.836426	-1.763999939	1811.78479	0.17483902	1814.074707
5/2/11 13:39	2709.337891	1813.841309	-0.748142242	1812.755249	-0.466840744	1813.05603	0.229927063	1813.831055	-1.77382803	1811.773926	0.173666	1814.068115
5/2/11 13:49	2719.338135	1813.843506	-0.750367641	1812.753052	-0.464735031	1813.058105	0.232034683	1813.83313	-1.768444061	1811.780396	0.174716949	1814.074585
5/2/11 13:59	2729.335693	1813.844482	-0.749315262	1812.75415	-0.459354401	1813.063477	0.24174118	1813.842773	-1.766337395	1811.781494	0.185480118	1814.084229
5/2/11 14:09	2739.329102	1813.84668	-0.747210979	1812.756226	-0.461578369	1813.061279	0.239517212	1813.840576	-1.768565178	1811.779175	0.178928375	1814.077637
5/2/11 14:19	2749.330811	1813.842285	-0.760193825	1812.743164	-0.465906143	1813.056885	0.230863571	1813.831909	-1.771840572	1811.774902	0.175657272	1814.073364
5/2/11 14:29	2759.324219	1813.847656	-0.754813671	1812.748657	-0.460525513	1813.062378	0.23191452	1813.833008	-1.771840572	1811.776001	0.175657272	1814.074463
5/2/11 14:39	2769.327148	1813.855225	-0.755980492	1812.747437	-0.46169281	1813.061157	0.239402771	1813.840454	-1.768679619	1811.779053	0.183141708	1814.081909
5/2/11 14:49	2779.323975	1813.852905	-0.753876209	1812.749512	-0.463914871	1813.05896	0.23718071	1813.838257	-1.770902634	1811.776855	0.185245514	1814.083984
5/2/11 14:59	2789.320557	1813.849731	-0.761479378	1812.741943	-0.467191696	1813.055664	0.23390007	1813.834961	-1.774178028	1811.77356	0.181974411	1814.080688
5/2/11 15:09	2799.305176	1813.856079	-0.750719547	1812.752686	-0.456430435	1813.066406	0.240337372	1813.841431	-1.772073746	1811.774658	0.184080124	1814.081787
5/2/11 15:19	2809.324219	1813.857178	-0.753993034	1812.74939	-0.446722031	1813.076172	0.25437355	1813.855469	-1.775342464	1811.771362	0.18513298	1814.082886
5/2/11 15:29	2819.321045	1813.860352	-0.755161762	1812.748291	-0.447891235	1813.074951	0.253204346	1813.854248	-1.771131516	1811.775635	0.193668365	1814.091431
5/2/11 15:39	2829.304688	1813.867798	-0.757384777	1812.74707	-0.454441071	1813.069458	0.250982285	1813.853149	-1.774411678	1811.773438	0.194719315	1814.093506
5/2/11 15:49	2839.297363	1813.869873	-0.762881279	1812.740479	-0.451282501	1813.071533	0.245481491	1813.846558	-1.775576115	1811.772217	0.193555832	1814.092285
5/2/11 15:59	2849.302002	1813.865601	-0.761826992	1812.740479	-0.450227737	1813.071533	0.250867844	1813.85083	-1.775576115	1811.772217	0.193555832	1814.092285
5/2/11 16:09	2859.29541	1813.865601	-0.762881279	1812.740479	-0.451282501	1813.071533	0.254140854	1813.855225	-1.784235477	1811.76355	0.197877884	1814.09668
5/2/11 16:19	2869.293457	1813.865601	-0.767209053	1812.736206	-0.446954727	1813.075928	0.258468628	1813.859497	-1.788563251	1811.759277	0.197877884	1814.09668

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW47D_WLE	MW48B_WLD	MW48B_WLE	MW48C_WLD	MW48C_WLE	MW48D_WLD	MW48D_WLE	MW49B_WLD	MW49B_WLE	MW49C_WLD	MW49C_WLE
5/2/11 16:29	2879.296631	1813.874146	-0.762998104	1812.740479	-0.438417435	1813.084473	0.262680054	1813.86377	-1.780024529	1811.766724	0.20208931	1814.099854
5/2/11 16:30	2879.983643	1813.865479	-0.75867033	1812.744751	-0.442743301	1813.080078	0.25835228	1813.859375	-1.780024529	1811.767822	0.20208931	1814.10083
5/2/11 16:30	2880.150391	1813.863403	-0.760774612	1812.742676	-0.436193466	1813.08667	0.260574341	1813.861694	-1.769146442	1811.778687	0.199985504	1814.098755
5/2/11 16:30	2880.317627	1813.863403	-0.752119541	1812.751343	-0.44052124	1813.082275	0.260574341	1813.861694	-1.695572853	1811.89978	0.204317093	1814.098755
5/2/11 16:30	2880.48584	1813.863403	-0.739136696	1812.764282	-0.44052124	1813.082275	0.260574341	1813.861694	-1.53977108	1812.008057	0.199985504	1814.098755
5/2/11 16:30	2880.652588	1813.863403	-0.708843708	1812.794556	-0.431861877	1813.090942	0.260574341	1813.861694	-1.396955967	1812.150879	0.195661545	1814.094482
5/2/11 16:31	2880.820313	1813.867676	-0.695856571	1812.807617	-0.423206329	1813.099609	0.260574341	1813.861694	-1.306072235	1812.241699	0.199985504	1814.098755
5/2/11 16:31	2880.987305	1813.87207	-0.674218655	1812.829224	-0.41888237	1813.104004	0.256246567	1813.8573	-1.232499123	1812.349854	0.204317093	1814.098755
5/2/11 16:31	2881.154541	1813.873047	-0.660183907	1812.843262	-0.413497925	1813.109375	0.261627197	1813.862671	-1.131912231	1812.414795	0.205369949	1814.103027
5/2/11 16:31	2881.322754	1813.867676	-0.639593601	1812.86377	-0.410228729	1813.112671	0.260574341	1813.861694	-1.055063725	1812.493774	0.199985504	1814.099854
5/2/11 16:31	2881.489746	1813.87207	-0.62228775	1812.881104	-0.405895233	1813.116943	0.256246567	1813.8573	-1.011787891	1812.536011	0.204317093	1814.103027
5/2/11 16:31	2881.656982	1813.876343	-0.609300613	1812.894165	-0.397239685	1813.12561	0.260574341	1813.861694	-0.951197147	1812.596558	0.212972641	1814.111694
5/2/11 16:32	2881.825195	1813.876343	-0.59632206	1812.907104	-0.392913818	1813.129883	0.260574341	1813.861694	-0.912249088	1812.636597	0.212972641	1814.112793
5/2/11 16:32	2881.992432	1813.881714	-0.582282543	1812.921143	-0.383205414	1813.139648	0.261627197	1813.862671	-0.880903721	1812.679932	0.214025497	1814.112793
5/2/11 16:32	2882.159912	1813.881714	-0.573627472	1812.92981	-0.383205414	1813.139648	0.261627197	1813.862671	-0.841955185	1812.704834	0.218347549	1814.116089
5/2/11 16:32	2882.326904	1813.886108	-0.560644627	1812.942749	-0.374549866	1813.148315	0.257299423	1813.858398	-0.807330132	1812.73938	0.222679138	1814.120361
5/2/11 16:32	2882.494141	1813.889282	-0.553041935	1812.950439	-0.375602722	1813.147217	0.256246567	1813.8573	-0.786744595	1812.762085	0.221628189	1814.12146
5/2/11 16:32	2882.661865	1813.890381	-0.53900671	1812.964355	-0.365896225	1813.156982	0.257299423	1813.858398	-0.768382072	1812.77832	0.222679138	1814.120361
5/2/11 16:33	2882.829346	1813.890381	-0.530351639	1812.973022	-0.361568451	1813.161255	0.261627197	1813.862671	-0.74241209	1812.80542	0.222679138	1814.12146
5/2/11 16:33	2882.996582	1813.894653	-0.521696568	1812.981689	-0.352912903	1813.169922	0.257299423	1813.858398	-0.7164464	1812.831299	0.227006912	1814.125732
5/2/11 16:33	2883.163818	1813.899048	-0.517364502	1812.986084	-0.348581314	1813.174316	0.257299423	1813.858398	-0.703463554	1812.84436	0.227006912	1814.125732
5/2/11 16:33	2883.331543	1813.897949	-0.509766102	1812.993652	-0.340976715	1813.181885	0.260574341	1813.861694	-0.682873726	1812.865967	0.230283737	1814.130127
5/2/11 16:33	2883.499268	1813.899048	-0.504386425	1812.999023	-0.339925766	1813.182861	0.261627197	1813.862671	-0.668843269	1812.878906	0.23566246	1814.134399
5/2/11 16:33	2883.666992	1813.90332	-0.49140358	1813.011963	-0.335601807	1813.187256	0.261627197	1813.862671	-0.651528358	1812.89624	0.227006912	1814.134399
5/2/11 16:34	2883.834717	1813.899048	-0.49140358	1813.011963	-0.331274033	1813.191528	0.261627197	1813.862671	-0.642873287	1812.904907	0.23566246	1814.134399
5/2/11 16:34	2884.001953	1813.90332	-0.482748032	1813.02063	-0.322620392	1813.200195	0.265954971	1813.867065	-0.629890442	1812.917847	0.23998642	1814.138794
5/2/11 16:34	2884.168701	1813.90332	-0.478416443	1813.025024	-0.318286896	1813.20459	0.265954971	1813.867065	-0.621235371	1812.926514	0.23998642	1814.138794
5/2/11 16:34	2884.336182	1813.907715	-0.47409296	1813.029297	-0.313964844	1813.208862	0.261627197	1813.862671	-0.612579823	1812.935181	0.23566246	1814.134399
5/2/11 16:34	2884.503662	1813.911987	-0.47409296	1813.029297	-0.309633255	1813.213257	0.261627197	1813.862671	-0.603924751	1812.943848	0.23998642	1814.138794
5/2/11 16:34	2884.671631	1813.907715	-0.465433598	1813.037964	-0.305309296	1813.217529	0.257299423	1813.858398	-0.59526968	1812.952515	0.244318008	1814.143066
5/2/11 16:35	2884.839844	1813.911987	-0.461105824	1813.042358	-0.292322159	1813.230469	0.261627197	1813.862671	-0.586614609	1812.961182	0.244318008	1814.143066
5/2/11 16:35	2884.990479	1813.911987	-0.461105824	1813.042358	-0.292322159	1813.230469	0.261627197	1813.862671	-0.573631763	1812.974121	0.24864006	1814.147461
5/2/11 16:35	2885.157959	1813.911987	-0.456778526	1813.046631	-0.287994385	1813.234863	0.261627197	1813.862671	-0.569299698	1812.978516	0.244318008	1814.143066
5/2/11 16:35	2885.326172	1813.916382	-0.452450752	1813.051025	-0.283666611	1813.239136	0.261627197	1813.862671	-0.564976692	1812.982788	0.24864006	1814.147461
5/2/11 16:35	2885.493652	1813.916382	-0.452450752	1813.051025	-0.279338837	1813.24353	0.257299423	1813.858398	-0.560644627	1812.987183	0.24864006	1814.147461
5/2/11 16:35	2885.661133	1813.916382	-0.452450752	1813.051025	-0.275016785	1813.247803	0.265954971	1813.867065	-0.556321621	1812.991455	0.252973557	1814.151733
5/2/11 16:36	2885.829102	1813.920654	-0.452450752	1813.051025	-0.275016785	1813.247803	0.270282745	1813.871338	-0.551989555	1812.99585	0.252973557	1814.151733
5/2/11 16:36	2885.997314	1813.920654	-0.443795681	1813.05957	-0.262029648	1813.260864	0.265954971	1813.867065	-0.53900671	1813.008789	0.24864006	1814.147461
5/2/11 16:36	2886.164795	1813.920654	-0.43514061	1813.068237	-0.262029648	1813.260864	0.261627197	1813.862671	-0.534683228	1813.013062	0.252973557	1814.151733
5/2/11 16:36	2886.332275	1813.925049	-0.439467907	1813.063965	-0.2533741	1813.269531	0.261627197	1813.862671	-0.530351639	1813.017456	0.257301331	1814.156006
5/2/11 16:36	2886.5	1813.920654	-0.439467907	1813.063965	-0.2533741	1813.269531	0.265954971	1813.867065	-0.526028156	1813.021729	0.257301331	1814.1604
5/2/11 16:36	2886.666992	1813.925049	-0.43514061	1813.068237	-0.249046326	1813.273804	0.265954971	1813.867065	-0.521696091	1813.026123	0.257301331	1814.156006
5/2/11 16:37	2886.834473	1813.929321	-0.430812836	1813.072632	-0.240390778	1813.282471	0.265954971	1813.867065	-0.517368793	1813.030396	0.261627197	1814.1604
5/2/11 16:37	2887.001465	1813.929321	-0.426485062	1813.076904	-0.240390778	1813.282471	0.265954971	1813.867065	-0.513041019	1813.03479	0.261627197	1814.1604
5/2/11 16:37	2887.168457	1813.929321	-0.426485062	1813.076904	-0.231735229	1813.291138	0.270282745	1813.871338	-0.513041019	1813.03479	0.265954971	1814.164673
5/2/11 16:37	2887.336426	1813.929321	-0.426485062	1813.076904	-0.236059189	1813.286743	0.270282745	1813.871338	-0.508713722	1813.039063	0.265954971	1814.164673
5/2/11 16:37	2887.503662	1813.929321	-0.422157764	1813.081299	-0.227403641	1813.29541	0.265954971	1813.867065	-0.504385948	1813.040161	0.265954971	1814.161499
5/2/11 16:37	2887.670654	1813.937988	-0.422157764	1813.081299	-0.223079681	1813.299805	0.265954971	1813.867065	-0.504385948	1813.044434	0.265954971	1814.165771

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW47D_WLE	MW48B_WLD	MW48B_WLE	MW48C_WLD	MW48C_WLE	MW48D_WLD	MW48D_WLE	MW49B_WLD	MW49B_WLE	MW49C_WLD	MW49C_WLE
5/2/11 16:38	2887.838623	1813.933594	-0.41782999	1813.085571	-0.214426041	1813.308472	0.270282745	1813.871338	-0.500058174	1813.047729	0.265954971	1814.164673
5/2/11 16:38	2888.005615	1813.937988	-0.41782999	1813.085571	-0.214426041	1813.308472	0.274610519	1813.875732	-0.495730877	1813.052002	0.270282745	1814.169067
5/2/11 16:38	2888.172607	1813.933594	-0.413502693	1813.089966	-0.210098267	1813.312744	0.270282745	1813.871338	-0.495730877	1813.052002	0.270282745	1814.169067
5/2/11 16:38	2888.340088	1813.937988	-0.413502693	1813.089966	-0.205766678	1813.317139	0.270282745	1813.871338	-0.495730877	1813.052002	0.265954971	1814.164673
5/2/11 16:38	2888.507813	1813.937988	-0.409174919	1813.094238	-0.19711113	1813.325684	0.270282745	1813.871338	-0.495730877	1813.052002	0.270282745	1814.17334
5/2/11 16:38	2888.675293	1813.937988	-0.413502693	1813.089966	-0.201442719	1813.321411	0.274610519	1813.875732	-0.491403103	1813.056396	0.270282745	1814.169067
5/2/11 16:39	2888.843018	1813.942261	-0.409174919	1813.094238	-0.19278717	1813.330078	0.270282745	1813.871338	-0.482748032	1813.065063	0.274610519	1814.17334
5/2/11 16:39	2889.01123	1813.942261	-0.413502693	1813.089966	-0.19278717	1813.330078	0.265954971	1813.867065	-0.482748032	1813.065063	0.274610519	1814.17334
5/2/11 16:39	2889.162354	1813.942261	-0.409174919	1813.094238	-0.188455582	1813.334351	0.270282745	1813.871338	-0.478420258	1813.068359	0.270282745	1814.167969
5/2/11 16:39	2889.32959	1813.942261	-0.404842854	1813.098633	-0.184131622	1813.338745	0.274610519	1813.875732	-0.478420258	1813.069336	0.274610519	1814.17334
5/2/11 16:39	2889.49707	1813.941284	-0.401571751	1813.101807	-0.176525116	1813.346313	0.273557663	1813.874634	-0.475144863	1813.07373	0.277891159	1814.177734
5/2/11 16:39	2889.664307	1813.950928	-0.400519848	1813.102905	-0.17547226	1813.347412	0.274610519	1813.875732	-0.47409296	1813.078003	0.274610519	1814.169067
5/2/11 16:40	2889.832275	1813.946655	-0.400519848	1813.102905	-0.166816711	1813.356079	0.274610519	1813.875732	-0.47409296	1813.07373	0.278942108	1814.17334
5/2/11 16:41	2891.508057	1813.954224	-0.388584614	1813.114868	-0.137577057	1813.385254	0.282213211	1813.883301	-0.453506947	1813.099609	0.282213211	1814.182007
5/2/11 16:43	2893.16748	1813.958618	-0.379933834	1813.123535	-0.102956772	1813.419922	0.282213211	1813.883301	-0.436196804	1813.1073	0.290868759	1814.185303
5/2/11 16:45	2894.841064	1813.963989	-0.370226383	1813.133179	-0.067277908	1813.455566	0.287591934	1813.888672	-0.426485062	1813.124634	0.287597656	1814.185303
5/2/11 16:46	2896.497559	1813.963989	-0.357239246	1813.14624	-0.045640945	1813.477173	0.287591934	1813.888672	-0.409174442	1813.138672	0.287597656	1814.186401
5/2/11 16:48	2898.169922	1813.968262	-0.352911949	1813.150513	-0.019674301	1813.503174	0.287591934	1813.888672	-0.400519371	1813.147217	0.283266068	1814.182007
5/2/11 16:50	2899.843506	1813.968262	-0.348584175	1813.154785	0.00629425	1813.529175	0.287591934	1813.888672	-0.387536526	1813.155884	0.283266068	1814.182007
5/2/11 16:51	2901.503418	1813.972656	-0.339929104	1813.163452	0.027933121	1813.550781	0.28326416	1813.884277	-0.383209229	1813.164551	0.283266068	1814.182007
5/2/11 16:53	2903.176758	1813.96936	-0.334549427	1813.173218	0.046295166	1813.573486	0.284317017	1813.885376	-0.373501778	1813.173218	0.284318924	1814.182007
5/2/11 16:55	2904.835693	1813.978027	-0.325894356	1813.17749	0.067934036	1813.59082	0.284317017	1813.885376	-0.364846706	1813.181885	0.284318924	1814.182007
5/2/11 16:56	2906.510254	1813.972656	-0.318291187	1813.185181	0.075536728	1813.598389	0.28326416	1813.884277	-0.357243538	1813.190552	0.283266068	1814.182007
5/2/11 16:58	2908.16748	1813.972656	-0.313963413	1813.189453	0.092845917	1813.615723	0.28326416	1813.884277	-0.357243538	1813.194824	0.278942108	1814.17334
5/2/11 17:00	2909.848389	1813.972656	-0.308583736	1813.193848	0.111213684	1813.633057	0.284317017	1813.884277	-0.352916241	1813.199219	0.278942108	1814.177734
5/2/11 17:01	2911.50415	1813.972656	-0.305308342	1813.19812	0.118816376	1813.641602	0.278938293	1813.880005	-0.344256401	1813.203491	0.274610519	1814.17334
5/2/11 17:03	2913.175781	1813.972656	-0.305308342	1813.19812	0.131793976	1813.654663	0.28326416	1813.884277	-0.33560133	1813.212158	0.270282745	1814.169067
5/2/11 17:05	2914.830811	1813.972656	-0.296653271	1813.206787	0.144781113	1813.667603	0.28326416	1813.884277	-0.33560133	1813.213257	0.274610519	1814.170044
5/2/11 17:06	2916.507813	1813.96936	-0.291269302	1813.212158	0.158817291	1813.681641	0.284317017	1813.885376	-0.325893879	1813.217529	0.275663376	1814.174438
5/2/11 17:08	2918.165527	1813.973633	-0.28694582	1813.216431	0.167472839	1813.690308	0.275661469	1813.876709	-0.330225945	1813.217529	0.275663376	1814.174438
5/2/11 17:10	2919.839355	1813.96936	-0.278290749	1813.225098	0.17612648	1813.698975	0.279989243	1813.881104	-0.325893879	1813.221924	0.271335602	1814.165771
5/2/11 17:11	2921.49707	1813.968262	-0.279343128	1813.224121	0.179403305	1813.702271	0.278938293	1813.880005	-0.31829071	1813.229492	0.270282745	1814.169067
5/2/11 17:13	2923.171387	1813.96936	-0.278290749	1813.225098	0.184782028	1813.707642	0.284317017	1813.885376	-0.317238808	1813.229492	0.271335602	1814.169067
5/2/11 17:15	2924.830078	1813.963989	-0.27068758	1813.232788	0.196712494	1813.719604	0.278938293	1813.880005	-0.313963413	1813.234863	0.270282745	1814.165771
5/2/11 17:16	2926.505615	1813.968262	-0.266360283	1813.237061	0.205368042	1813.728271	0.278938293	1813.880005	-0.313963413	1813.233887	0.270282745	1814.169067
5/2/11 17:18	2928.177979	1813.968262	-0.266360283	1813.237061	0.209695816	1813.732544	0.28326416	1813.884277	-0.305308342	1813.242432	0.265954971	1814.17334
5/2/11 17:20	2929.83374	1813.968262	-0.266360283	1813.237061	0.209695816	1813.732544	0.278938293	1813.880005	-0.305308342	1813.242432	0.270282745	1814.169067
5/2/11 17:21	2931.507813	1813.968262	-0.257704735	1813.245728	0.218351364	1813.741211	0.28326416	1813.884277	-0.305308342	1813.246826	0.265954971	1814.164673
5/2/11 17:23	2933.163086	1813.968262	-0.257704735	1813.245728	0.227006912	1813.749878	0.278938293	1813.880005	-0.300984859	1813.246826	0.270282745	1814.169067
5/2/11 17:25	2934.838135	1813.968262	-0.253373146	1813.25	0.227006912	1813.749878	0.278938293	1813.880005	-0.296652794	1813.251099	0.270282745	1814.169067
5/2/11 17:26	2936.497559	1813.972656	-0.249049664	1813.254395	0.231338501	1813.75415	0.278938293	1813.880005	-0.296652794	1813.251099	0.274610519	1814.169067
5/2/11 17:28	2938.172119	1813.972656	-0.244717598	1813.258667	0.239994049	1813.762817	0.278938293	1813.880005	-0.292329788	1813.255493	0.270282745	1814.169067
5/2/11 17:30	2939.829346	1813.967285	-0.245769978	1813.25769	0.234609604	1813.757446	0.282213211	1813.883301	-0.293382168	1813.255493	0.264904022	1814.169067
5/2/11 17:31	2941.505127	1813.968262	-0.240390301	1813.263062	0.239994049	1813.762817	0.278938293	1813.880005	-0.283670425	1813.259766	0.265954971	1814.164673
5/2/11 17:33	2943.163086	1813.972656	-0.236062527	1813.267334	0.239994049	1813.762817	0.278938293	1813.880005	-0.287997723	1813.259766	0.265954971	1814.164673
5/2/11 17:35	2944.84375	1813.972656	-0.231735229	1813.271729	0.244316101	1813.767212	0.278938293	1813.880005	-0.283670425	1813.26416	0.261627197	1814.164673
5/2/11 17:36	2946.500977	1813.972656	-0.227407455	1813.276001	0.244316101	1813.767212	0.278938293	1813.880005	-0.283670425	1813.259766	0.265954971	1814.164673
5/2/11 17:38	2948.172363	1813.971558	-0.228459835	1813.274902	0.243263245	1813.766113	0.277885437	1813.878906	-0.284722328	1813.263062	0.264904022	1814.167969

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW47D_WLE	MW48B_WLD	MW48B_WLE	MW48C_WLD	MW48C_WLE	MW48D_WLD	MW48D_WLE	MW49B_WLD	MW49B_WLE	MW49C_WLD	MW49C_WLE
5/2/11 17:40	2949.829346	1813.967285	-0.228459835	1813.274902	0.243263245	1813.766113	0.277885437	1813.878906	-0.280395031	1813.267334	0.264904022	1814.163696
5/2/11 17:41	2951.501221	1813.967285	-0.228459835	1813.274902	0.247596741	1813.770508	0.277885437	1813.878906	-0.280395031	1813.271729	0.264904022	1814.163696
5/2/11 17:43	2953.163086	1813.971558	-0.224132061	1813.279297	0.247596741	1813.770508	0.277885437	1813.878906	-0.276067257	1813.271729	0.264904022	1814.167969
5/2/11 17:45	2954.836182	1813.971558	-0.219804287	1813.283569	0.251924515	1813.77478	0.273557663	1813.874634	-0.271739483	1813.276001	0.264904022	1814.163696
5/2/11 17:46	2956.494385	1813.967285	-0.224132061	1813.279297	0.251924515	1813.77478	0.277885437	1813.878906	-0.276067257	1813.271729	0.260576248	1814.163696
5/2/11 17:48	2958.168701	1813.968262	-0.218752384	1813.284668	0.257303238	1813.780151	0.278938293	1813.880005	-0.275014877	1813.272827	0.261627197	1814.164673
5/2/11 17:50	2959.825439	1813.972656	-0.21442461	1813.28894	0.257303238	1813.780151	0.274610519	1813.875732	-0.275014877	1813.272827	0.261627197	1814.156006
5/2/11 17:51	2961.499512	1813.972656	-0.210097313	1813.293335	0.257303238	1813.780151	0.278938293	1813.880005	-0.275014877	1813.2771	0.257301331	1814.156006
5/2/11 17:53	2963.174805	1813.96936	-0.205769539	1813.298706	0.261631012	1813.785522	0.274610519	1813.876709	-0.269635201	1813.278198	0.254024506	1814.157104
5/2/11 17:55	2964.831543	1813.968262	-0.205769539	1813.297607	0.261631012	1813.784424	0.274610519	1813.875732	-0.269635201	1813.2771	0.267007828	1814.164673
5/2/11 17:56	2966.50415	1813.978027	-0.204717159	1813.298706	0.262683868	1813.785522	0.279989243	1813.881104	-0.260975838	1813.285767	0.25835228	1814.156006
5/2/11 17:58	2968.158691	1813.968262	-0.197114468	1813.306274	0.257303238	1813.780151	0.278938293	1813.880005	-0.266359806	1813.285767	0.257301331	1814.169067
5/2/11 18:00	2969.833008	1813.968262	-0.201441765	1813.302002	0.261631012	1813.784424	0.278938293	1813.880005	-0.257704735	1813.285767	0.265954971	1814.1604
5/2/11 18:01	2971.505371	1813.968262	-0.197114468	1813.306274	0.261631012	1813.784424	0.274610519	1813.875732	-0.26202774	1813.284668	0.265954971	1814.163696
5/2/11 18:03	2973.160889	1813.972656	-0.192786694	1813.310669	0.261631012	1813.784424	0.274610519	1813.875732	-0.26202774	1813.285767	0.261627197	1814.1604
5/2/11 18:05	2974.834961	1813.968262	-0.197114468	1813.306274	0.261631012	1813.784424	0.274610519	1813.875732	-0.253372669	1813.294434	0.261627197	1814.1604
5/2/11 18:06	2976.494141	1813.968262	-0.192786694	1813.310669	0.265954971	1813.788818	0.274610519	1813.875732	-0.253372669	1813.294434	0.261627197	1814.1604
5/2/11 18:08	2978.166992	1813.972656	-0.197114468	1813.306274	0.265954971	1813.788818	0.274610519	1813.875732	-0.253372669	1813.294434	0.257301331	1814.1604
5/2/11 18:10	2979.824951	1813.968262	-0.192786694	1813.310669	0.27028656	1813.793091	0.274610519	1813.875732	-0.253372669	1813.294434	0.261627197	1814.1604
5/2/11 18:26	2996.491211	1813.972656	-0.171144485	1813.332275	0.27028656	1813.793091	0.274610519	1813.875732	-0.231734753	1813.31604	0.261627197	1814.1604
5/2/11 18:43	3013.151855	1813.967163	-0.150675297	1813.352783	0.277769089	1813.800659	0.277769089	1813.878784	-0.219921112	1813.327881	0.264787674	1814.163574
5/2/11 19:00	3029.817139	1813.971436	-0.137692451	1813.365723	0.282100677	1813.804932	0.282096863	1813.883179	-0.211265564	1813.336548	0.2604599	1814.15918
5/2/11 19:16	3046.488525	1813.973511	-0.122607708	1813.380859	0.288534164	1813.811401	0.284202576	1813.885254	-0.200503826	1813.34729	0.266893387	1814.165649
5/2/11 19:33	3063.14917	1813.970215	-0.108568192	1813.394897	0.289587021	1813.8125	0.280927658	1813.881958	-0.190796852	1813.356934	0.263618469	1814.162354
5/2/11 19:50	3079.807373	1813.967041	-0.094533443	1813.408936	0.29063797	1813.813477	0.286306381	1813.887329	-0.176761627	1813.371094	0.264669418	1814.159058
5/2/11 20:06	3096.469727	1813.969116	-0.088097095	1813.415283	0.292743683	1813.815552	0.28408432	1813.885132	-0.170334339	1813.377441	0.262447357	1814.161255
5/2/11 20:23	3113.129639	1813.973389	-0.075118542	1813.428345	0.292743683	1813.815552	0.288412094	1813.889526	-0.153019428	1813.394775	0.262447357	1814.161255
5/2/11 20:40	3129.793701	1813.971313	-0.077222824	1813.426147	0.281978607	1813.80481	0.281978607	1813.883057	-0.150795937	1813.396973	0.268997192	1814.167725
5/2/11 20:56	3146.45459	1813.972534	-0.067399025	1813.436035	0.287479401	1813.810303	0.287475586	1813.88855	-0.140972137	1813.40686	0.270166397	1814.168945
5/2/11 21:13	3163.114014	1813.978027	-0.057570457	1813.445801	0.284320831	1813.807129	0.284317017	1813.885376	-0.139799118	1813.407959	0.275663376	1814.174438
5/2/11 21:30	3179.77417	1813.971558	-0.055351734	1813.44812	0.282217026	1813.805054	0.282213211	1813.883301	-0.133252621	1813.414551	0.269231796	1814.167969
5/2/11 21:46	3196.448975	1813.980225	-0.042364597	1813.46106	0.2865448	1813.809448	0.286540985	1813.887573	-0.120265484	1813.42749	0.264904022	1814.163696
5/2/11 22:03	3213.112305	1813.970459	-0.034761429	1813.468628	0.285491943	1813.80835	0.281160355	1813.882202	-0.116994381	1813.430786	0.26817894	1814.166992
5/2/11 22:20	3229.762207	1813.973755	-0.022833347	1813.480591	0.28443718	1813.807251	0.284433365	1813.885498	-0.113716602	1813.434082	0.267124176	1814.165894
5/2/11 22:36	3246.440918	1813.973755	-0.018509865	1813.484863	0.28443718	1813.807251	0.284433365	1813.885498	-0.100738525	1813.447021	0.262796402	1814.165894
5/2/11 22:53	3263.09668	1813.968384	-0.015230179	1813.488159	0.28338623	1813.806274	0.279054642	1813.880127	-0.093131065	1813.454712	0.261745453	1814.160522
5/2/11 23:10	3279.762939	1813.977051	-0.002247334	1813.501221	0.28338623	1813.806274	0.279054642	1813.880127	-0.084475994	1813.463379	0.261745453	1814.160522
5/2/11 23:26	3296.420654	1813.970459	0.008514404	1813.511963	0.289819717	1813.812622	0.276832581	1813.87793	-0.073714256	1813.474121	0.26817894	1814.166992
5/2/11 23:43	3313.076416	1813.971558	0.018221378	1813.521606	0.2865448	1813.809448	0.282213211	1813.883301	-0.064006805	1813.483765	0.264904022	1814.163696
5/3/11 0:00	3329.742676	1813.974854	0.021501541	1813.524902	0.285491943	1813.80835	0.281160355	1813.882202	-0.060731411	1813.488159	0.26817894	1814.167969
5/3/11 0:16	3346.402344	1813.977051	0.032373428	1813.535767	0.287714005	1813.810547	0.287708282	1813.888794	-0.058510303	1813.489258	0.27473259	1814.173462
5/3/11 0:33	3363.072754	1813.987793	0.034479618	1813.537842	0.289819717	1813.812622	0.289815903	1813.890869	-0.047748566	1813.5	0.272506714	1814.171265
5/3/11 0:50	3379.732666	1813.997559	0.039859295	1813.543335	0.299528122	1813.822388	0.295194626	1813.89624	-0.042368889	1813.505371	0.282213211	1814.18103
5/3/11 1:06	3396.395752	1814.000732	0.043139458	1813.546509	0.298475266	1813.821289	0.298471451	1813.899536	-0.03476572	1813.511963	0.285493851	1814.183228
5/3/11 1:23	3413.05835	1813.998657	0.049687862	1813.553101	0.300701141	1813.823486	0.300691605	1813.901733	-0.032540321	1813.515259	0.28771019	1814.186523
5/3/11 1:40	3429.727051	1814.001953	0.048633575	1813.552002	0.299646378	1813.82251	0.303964615	1813.905029	-0.029271603	1813.518555	0.295310974	1814.194092
5/3/11 1:56	3446.391113	1814.006226	0.070157051	1813.573608	0.308181763	1813.831055	0.308177948	1813.90918	-0.016403198	1813.530273	0.299524307	1814.197266
5/3/11 2:13	3463.042725	1814.013672	0.073313713	1813.576782	0.311338425	1813.834229	0.31133461	1813.912354	-0.00996685	1813.537842	0.301628113	1814.200439

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW47D_WLE	MW48B_WLD	MW48B_WLE	MW48C_WLD	MW48C_WLE	MW48D_WLD	MW48D_WLE	MW49B_WLD	MW49B_WLE	MW49C_WLD	MW49C_WLE
5/3/11 2:30	3479.713379	1814.009277	0.07764101	1813.581055	0.307016373	1813.829834	0.31133461	1813.912354	-0.000264168	1813.547485	0.302680969	1814.201416
5/3/11 2:46	3496.380371	1814.009277	0.086296558	1813.589722	0.315670013	1813.838501	0.315662384	1813.916748	0.004067898	1813.55188	0.311340332	1814.210083
5/3/11 3:03	3513.043945	1814.011475	0.084075451	1813.587524	0.322101593	1813.844971	0.31344223	1813.914551	0.01049757	1813.55835	0.304786682	1814.203613
5/3/11 3:20	3529.691406	1814.011475	0.088402748	1813.591797	0.317777634	1813.840576	0.31344223	1813.914551	0.01049757	1813.557251	0.304786682	1814.202515
5/3/11 3:36	3546.360107	1814.010376	0.091678143	1813.595093	0.321048737	1813.843872	0.312389374	1813.913452	0.013777733	1813.561523	0.303735733	1814.202515
5/3/11 3:53	3563.018555	1814.00708	0.097058296	1813.600464	0.313446045	1813.836304	0.309114456	1813.910156	0.014829636	1813.562622	0.300458908	1814.199219
5/3/11 4:10	3579.686279	1814.006104	0.096005917	1813.599365	0.312393188	1813.835205	0.303733826	1813.904785	0.022432804	1813.57019	0.299407959	1814.19812
5/3/11 4:26	3596.3479	1814.006104	0.104660988	1813.608032	0.312393188	1813.835205	0.303733826	1813.904785	0.031087875	1813.578857	0.299407959	1814.19812
5/3/11 4:43	3613.010254	1814.001709	0.104660988	1813.608032	0.308069229	1813.830933	0.3080616	1813.90918	0.026760578	1813.575562	0.295080185	1814.194946
5/3/11 5:00	3629.672119	1813.996216	0.112147331	1813.615601	0.311229706	1813.834106	0.311220169	1813.912231	0.029919147	1813.577759	0.298238754	1814.197021
5/3/11 5:16	3646.336182	1814.00061	0.112147331	1813.615601	0.311229706	1813.834106	0.306892395	1813.907959	0.034246445	1813.582031	0.298238754	1814.192627
5/3/11 5:33	3663.001953	1813.997314	0.113199711	1813.616577	0.312280655	1813.835083	0.303617477	1813.904663	0.039626598	1813.586426	0.290636063	1814.188354
5/3/11 5:50	3679.670898	1813.994019	0.122907162	1813.626343	0.313333511	1813.836182	0.308996201	1813.910034	0.045006275	1813.592773	0.296020508	1814.194824
5/3/11 6:06	3696.331787	1813.99939	0.128286839	1813.631714	0.31870842	1813.841553	0.305721283	1813.906738	0.054713726	1813.602539	0.297071457	1814.195801
5/3/11 6:23	3712.993896	1813.995117	0.128286839	1813.631714	0.31870842	1813.841553	0.305721283	1813.906738	0.054713726	1813.602539	0.297071457	1814.195801
5/3/11 6:40	3729.658936	1813.996216	0.129457951	1813.632935	0.311229706	1813.834106	0.302564621	1813.903564	0.055884838	1813.603638	0.293914795	1814.192627
5/3/11 6:56	3746.32373	1813.995117	0.128405571	1813.631836	0.305845261	1813.828735	0.305841446	1813.90686	0.054832458	1813.602661	0.292863846	1814.19165
5/3/11 7:13	3762.977051	1813.997437	0.130626678	1813.634033	0.308069229	1813.830933	0.303733826	1813.904785	0.057053566	1813.604858	0.290756226	1814.189575
5/3/11 7:30	3779.631836	1813.983398	0.125244617	1813.628662	0.302682877	1813.825562	0.298351288	1813.899414	0.06465435	1813.612427	0.294025421	1814.192749
5/3/11 7:46	3796.299805	1813.993164	0.122087955	1813.625488	0.299528122	1813.822388	0.290868759	1813.891968	0.057169914	1813.60498	0.277891159	1814.176636
5/3/11 8:03	3812.957275	1813.982422	0.124309063	1813.627686	0.293092728	1813.815918	0.293088913	1813.894165	0.055063725	1813.602905	0.280107498	1814.178833
5/3/11 8:20	3829.635986	1813.977051	0.131916523	1813.635376	0.287714005	1813.810547	0.287708282	1813.888794	0.058339119	1813.606079	0.270399094	1814.169189
5/3/11 8:36	3846.294678	1813.981445	0.131916523	1813.635376	0.287714005	1813.810547	0.287708282	1813.888794	0.062666416	1813.611572	0.27473259	1814.174561
5/3/11 8:53	3862.959473	1813.975952	0.130862236	1813.634277	0.282331467	1813.805176	0.277999878	1813.879028	0.0702672	1813.618042	0.265018463	1814.163818
5/3/11 9:10	3879.622559	1813.975952	0.139517307	1813.642944	0.286659241	1813.80957	0.277999878	1813.879028	0.0702672	1813.618042	0.265018463	1814.163818
5/3/11 11:56	4046.251953	1813.958496	0.160923958	1813.664307	0.277769089	1813.800659	0.264785767	1813.865845	0.101381302	1813.64917	0.252851486	1814.151611
5/3/11 14:43	4212.864746	1813.949097	0.17320919	1813.676636	0.272743225	1813.795654	0.259756088	1813.86084	0.112618923	1813.6604	0.251106262	1814.145508
5/3/11 17:30	4379.499023	1813.956055	0.167124748	1813.670532	0.270990372	1813.793823	0.262331009	1813.863403	0.110862255	1813.658691	0.240694046	1814.143799
5/3/11 20:16	4546.123535	1813.958984	0.165724754	1813.669189	0.265268326	1813.788086	0.260936737	1813.862061	0.118117332	1813.665894	0.243621826	1814.142334
5/3/11 23:03	4712.740234	1813.950684	0.179055691	1813.682495	0.261283875	1813.78418	0.252624512	1813.853638	0.131447792	1813.680298	0.243970871	1814.143799
5/4/11 1:50	4879.361328	1813.9375	0.209236145	1813.712646	0.261167526	1813.784058	0.25683403	1813.85791	0.174607277	1813.712646	0.235198975	1814.132935
5/4/11 4:36	5045.989746	1813.941284	0.234618664	1813.738037	0.273565292	1813.796387	0.256252289	1813.8573	0.195661545	1813.743408	0.234615326	1814.133423
5/4/11 7:23	5212.611328	1813.934326	0.219060421	1813.722534	0.262340546	1813.785156	0.253681183	1813.854736	0.193095207	1813.740845	0.236371994	1814.135132
5/4/11 10:10	5379.241699	1813.894775	0.205496311	1813.708862	0.231466293	1813.754272	0.218475342	1813.81958	0.18385458	1813.731689	0.196842194	1814.095581
5/4/11 12:56	5545.875	1813.875488	0.186198235	1813.689575	0.207839966	1813.730713	0.19052124	1813.791626	0.190526485	1813.738281	0.168888092	1814.067627
5/4/11 15:43	5712.501953	1813.862427	0.15579319	1813.65918	0.186090469	1813.708984	0.173099518	1813.77417	0.134150982	1813.681885	0.151462555	1814.050171
5/4/11 18:30	5879.104492	1813.852295	0.098011017	1813.60144	0.162929535	1813.685791	0.158592224	1813.759644	0.089351654	1813.636108	0.136960983	1814.034668
5/4/11 21:16	6045.73584	1813.834351	0.11040163	1813.61377	0.140693665	1813.663574	0.145021439	1813.746094	0.106070042	1813.653809	0.12771225	1814.026489
5/5/11 0:03	6212.348145	1813.837524	0.221750259	1813.72522	0.165491104	1813.688354	0.152503967	1813.75354	0.221750259	1813.769531	0.135194778	1814.033936
5/5/11 2:50	6378.972168	1813.860596	0.262103081	1813.765503	0.192855835	1813.715698	0.184202194	1813.785278	0.262098789	1813.809937	0.153909683	1814.052734
5/5/11 5:36	6545.602539	1813.892822	0.29438591	1813.797852	0.233798981	1813.756592	0.21648407	1813.817505	0.298713684	1813.846558	0.186191559	1814.084961
5/5/11 8:23	6712.226074	1813.898682	0.278594494	1813.781982	0.226661682	1813.749512	0.217998505	1813.819092	0.291573048	1813.840454	0.196367264	1814.096191
5/5/11 11:10	6878.849121	1813.892212	0.285145283	1813.788574	0.220230103	1813.743042	0.202917099	1813.803955	0.302455902	1813.85022	0.185602188	1814.084351
5/5/11 13:56	7045.460449	1813.89917	0.292047977	1813.79541	0.222806931	1813.745605	0.209814072	1813.810913	0.322337151	1813.870117	0.188182831	1814.086914
5/5/11 16:43	7212.100098	1813.905029	0.276256561	1813.779663	0.228652954	1813.751465	0.215665817	1813.816772	0.315205097	1813.863037	0.202684402	1814.10144
5/5/11 19:30	7378.706543	1813.90979	0.263749599	1813.767212	0.233451843	1813.756348	0.220464706	1813.821533	0.294038296	1813.841797	0.190172195	1814.093262
5/5/11 22:16	7545.33252	1813.906494	0.256146431	1813.759521	0.225847244	1813.748657	0.217189789	1813.818237	0.290762901	1813.838501	0.204212189	1814.103027
5/6/11 1:03	7711.962891	1813.903931	0.266553879	1813.77002	0.227603912	1813.750488	0.214618683	1813.815674	0.30222702	1813.848999	0.194032669	1814.096069

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW47D_WLE	MW48B_WLD	MW48B_WLE	MW48C_WLD	MW48C_WLE	MW48D_WLD	MW48D_WLE	MW49B_WLD	MW49B_WLE	MW49C_WLD	MW49C_WLE
5/6/11 3:50	7878.583496	1813.893311	0.264568329	1813.767944	0.225618362	1813.748413	0.212627411	1813.813721	0.299189091	1813.846924	0.195323944	1814.094116
5/6/11 6:36	8045.212402	1813.889282	0.238838196	1813.74231	0.217199326	1813.73999	0.204212189	1813.805298	0.282118797	1813.829956	0.173921585	1814.072632
5/6/11 9:23	8211.827148	1813.844727	0.203052998	1813.706421	0.17276001	1813.695557	0.159772873	1813.760864	0.254980087	1813.802734	0.13813591	1814.036865
5/6/11 12:10	8378.449219	1813.808838	0.154166222	1813.657593	0.128200531	1813.651001	0.115213394	1813.716309	0.206097603	1813.753906	0.097904205	1813.996704
5/6/11 14:56	8545.080078	1813.765869	0.098141193	1813.601563	0.085157394	1813.608032	0.076498032	1813.677612	0.150072575	1813.697876	0.050533295	1813.949341
5/6/11 17:43	8711.694336	1813.721558	0.03649807	1813.539917	0.032175064	1813.555054	0.023509979	1813.624512	0.097084522	1813.644897	0.010534286	1813.909302
5/6/11 20:30	8878.321289	1813.700684	0.037312508	1813.540771	0.011346817	1813.53418	0.015674591	1813.616699	0.084920883	1813.641357	-0.005966187	1813.888428
5/6/11 23:16	9044.9375	1813.678345	0.084216118	1813.587646	0.006315231	1813.529175	-0.006668091	1813.59436	0.140475273	1813.688232	-0.02397728	1813.874756
5/7/11 2:03	9211.568359	1813.689087	0.090650558	1813.594116	0.008420944	1813.53125	0.00409317	1813.605103	0.151237011	1813.698975	-0.017547607	1813.881226
5/7/11 4:50	9378.192383	1813.677612	0.105156422	1813.608643	0.01427269	1813.537109	0.005613327	1813.606689	0.165742874	1813.713501	-0.02035141	1813.878418
5/7/11 7:36	9544.799805	1813.689819	0.117315769	1813.620728	0.022108078	1813.544922	0.013444901	1813.614502	0.186557293	1813.734375	-0.012516022	1813.88623
5/7/11 10:23	9711.43457	1813.668823	0.135330677	1813.638794	0.005493164	1813.52832	0.00116539	1813.602295	0.19591713	1813.743652	-0.029125214	1813.869629
5/7/11 13:10	9878.050781	1813.677246	0.161058426	1813.664429	0.013916016	1813.541138	0.005256653	1813.602051	0.225976944	1813.773804	-0.029359818	1813.869385
5/7/11 15:56	10044.66895	1813.678833	0.158258438	1813.661621	0.024093628	1813.546997	0.002450943	1813.603516	0.231823444	1813.779663	-0.023511887	1813.875244
5/7/11 16:32	10080.00195	1813.682983	0.153811932	1813.657227	0.023983002	1813.546875	0.006664276	1813.607666	0.227381229	1813.776245	-0.023626328	1813.876221
5/7/11 16:32	10080.16895	1813.693726	0.164576054	1813.667969	0.026088715	1813.54895	0.013095856	1813.614136	0.220830441	1813.682129	-0.017194748	1813.881592
5/7/11 16:32	10080.32031	1813.689453	0.121295452	1813.624756	0.021755219	1813.544556	0.013095856	1813.614136	-0.220601082	1813.327148	-0.012866974	1813.885864
5/7/11 16:32	10080.4873	1813.685181	0.065032482	1813.568481	0.021755219	1813.544556	0.008769989	1813.609863	-0.605769634	1812.942017	-0.012866974	1813.885864
5/7/11 16:32	10080.65527	1813.685181	0.017429352	1813.520874	0.017429352	1813.540283	0.013095856	1813.614136	-0.930351734	1812.50061	-0.012866974	1813.885864
5/7/11 16:32	10080.83887	1813.689453	-0.02585125	1813.477539	0.008773804	1813.531616	0.013095856	1813.614136	-1.164050102	1812.383789	-0.012866974	1813.885864
5/7/11 16:33	10080.99023	1813.676514	-0.056144238	1813.434326	-0.004213333	1813.518677	0.008769989	1813.614136	-1.14673996	1812.401001	-0.012866974	1813.885864
5/7/11 16:33	10081.1582	1813.680786	-0.095092297	1813.408325	-0.008537292	1813.514282	0.008769989	1813.609863	-1.090481281	1812.457275	-0.025850296	1813.872925
5/7/11 16:33	10081.3252	1813.689453	-0.116734982	1813.378052	-0.017192841	1813.505615	0.008769989	1813.609863	-1.034218311	1812.539551	-0.021522522	1813.877197
5/7/11 16:33	10081.49219	1813.680786	-0.138372898	1813.36499	-0.025846481	1813.496948	0.008769989	1813.609863	-0.969299793	1812.578491	-0.025850296	1813.872925
5/7/11 16:33	10081.65918	1813.672119	-0.164338112	1813.339111	-0.030174255	1813.492676	0.013095856	1813.614136	-0.930351734	1812.617432	-0.025850296	1813.872925
5/7/11 16:34	10081.82715	1813.676514	-0.177320957	1813.32605	-0.038829803	1813.484009	0.008769989	1813.609863	-0.904386044	1812.643433	-0.030181885	1813.86853
5/7/11 16:34	10081.99414	1813.667847	-0.198958874	1813.304443	-0.047485352	1813.475342	0.008769989	1813.609863	-0.895730972	1812.656372	-0.034505844	1813.864258
5/7/11 16:34	10082.16113	1813.676514	-0.211946011	1813.291504	-0.0561409	1813.466675	0.008769989	1813.609863	-0.887075901	1812.665039	-0.034505844	1813.864258
5/7/11 16:34	10082.32813	1813.667847	-0.220601082	1813.282837	-0.064800262	1813.458008	0.004442215	1813.605469	-0.887075901	1812.660767	-0.038837433	1813.859863
5/7/11 16:34	10082.49512	1813.663452	-0.22925663	1813.27417	-0.069128036	1813.453735	0.008769989	1813.609863	-0.900058746	1812.647705	-0.043161392	1813.855591
5/7/11 16:34	10082.66211	1813.663452	-0.242238998	1813.26123	-0.077777863	1813.445068	0.008769989	1813.609863	-0.91737318	1812.630371	-0.043161392	1813.855591
5/7/11 16:35	10082.8291	1813.663452	-0.255217552	1813.248169	-0.082111359	1813.440674	0.004442215	1813.605469	-0.913041115	1812.639038	-0.047489166	1813.851318
5/7/11 16:35	10082.99707	1813.65918	-0.259549618	1813.243896	-0.090764999	1813.432129	0.008769989	1813.609863	-0.908713818	1812.639038	-0.051815033	1813.846924
5/7/11 16:35	10083.16309	1813.65918	-0.272532463	1813.230835	-0.099420547	1813.423462	0.008769989	1813.609863	-0.904386044	1812.643433	-0.056142807	1813.842651
5/7/11 16:35	10083.33008	1813.654785	-0.285515308	1813.217896	-0.108076096	1813.414795	0.008769989	1813.609863	-0.900058746	1812.647705	-0.051815033	1813.846924
5/7/11 16:35	10083.49805	1813.650513	-0.285515308	1813.217896	-0.108076096	1813.414795	0.004442215	1813.605469	-0.913041115	1812.634766	-0.060476303	1813.838257
5/7/11 16:35	10083.66504	1813.650513	-0.289842606	1813.213623	-0.116735458	1813.406128	0.008769989	1813.609863	-0.921696663	1812.626099	-0.056142807	1813.842651
5/7/11 16:36	10083.83203	1813.64624	-0.298497677	1813.204956	-0.125391006	1813.397461	0.004442215	1813.605469	-0.921696663	1812.627197	-0.060476303	1813.839355
5/7/11 16:36	10084	1813.64624	-0.311480522	1813.191895	-0.129713058	1813.393188	0.008769989	1813.609863	-0.921696663	1812.627197	-0.064798355	1813.834961
5/7/11 16:36	10084.16699	1813.641846	-0.320135593	1813.18335	-0.138368607	1813.384521	0.004442215	1813.605469	-0.921696663	1812.63147	-0.060476303	1813.839355
5/7/11 16:36	10084.33398	1813.641846	-0.324467659	1813.178955	-0.147027969	1813.375854	0.004442215	1813.605469	-0.921696663	1812.626099	-0.064798355	1813.833984
5/7/11 16:36	10084.50098	1813.633179	-0.324467659	1813.178955	-0.151351929	1813.37146	0.000114441	1813.601196	-0.921696663	1812.630371	-0.069129944	1813.82959
5/7/11 16:36	10084.66895	1813.637573	-0.328791142	1813.174683	-0.155683517	1813.367188	0.004442215	1813.605469	-0.926028252	1812.621826	-0.069129944	1813.82959
5/7/11 16:37	10084.83594	1813.637573	-0.328791142	1813.174683	-0.160007477	1813.362793	0.004442215	1813.605469	-0.930351734	1812.621826	-0.073453903	1813.825317
5/7/11 16:37	10085.00391	1813.629883	-0.327738762	1813.175659	-0.163286209	1813.359619	0.00116539	1813.602295	-0.929299355	1812.61853	-0.076734543	1813.822021
5/7/11 16:37	10085.1709	1813.633179	-0.33312273	1813.170288	-0.177322388	1813.345581	0.000114441	1813.601196	-0.9346838	1812.614136	-0.073453903	1813.826416
5/7/11 16:37	10085.33789	1813.624512	-0.33312273	1813.170288	-0.181650162	1813.341187	0.000114441	1813.601196	-0.943338871	1812.605469	-0.077785492	1813.822021
5/7/11 16:37	10085.50684	1813.628906	-0.337446213	1813.166016	-0.185976028	1813.336914	-0.004213333	1813.596802	-0.947666168	1812.600098	-0.077785492	1813.820923

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW47D_WLE	MW48B_WLD	MW48B_WLE	MW48C_WLD	MW48C_WLE	MW48D_WLD	MW48D_WLE	MW49B_WLD	MW49B_WLE	MW49C_WLD	MW49C_WLE
5/7/11 16:37	10085.67383	1813.624512	-0.341778278	1813.161621	-0.190303802	1813.33252	-0.004213333	1813.596802	-0.951993942	1812.595825	-0.082109451	1813.81665
5/7/11 16:38	10085.8418	1813.624512	-0.341778278	1813.161621	-0.190303802	1813.33252	-0.004213333	1813.596802	-0.951993942	1812.595825	-0.082109451	1813.81665
5/7/11 16:38	10086.00781	1813.620239	-0.346101284	1813.157349	-0.198959351	1813.323853	-0.004213333	1813.596802	-0.956321716	1812.591431	-0.08644104	1813.812378
5/7/11 16:38	10086.17578	1813.624512	-0.35043335	1813.152954	-0.207614899	1813.315186	-0.008541107	1813.592529	-0.964976788	1812.582764	-0.08644104	1813.812378
5/7/11 16:38	10086.32617	1813.620239	-0.354760647	1813.148682	-0.211942673	1813.310913	-0.008541107	1813.592529	-0.964976788	1812.582764	-0.08644104	1813.812378
5/7/11 16:38	10086.49316	1813.620239	-0.354760647	1813.148682	-0.211942673	1813.310913	-0.008541107	1813.592529	-0.969299793	1812.578491	-0.082109451	1813.81665
5/7/11 16:38	10086.66113	1813.624512	-0.359088421	1813.144287	-0.216270447	1813.306641	-0.008541107	1813.592529	-0.973631859	1812.574219	-0.090768814	1813.807983
5/7/11 16:39	10086.8291	1813.615845	-0.359088421	1813.144287	-0.220598221	1813.302246	-0.008541107	1813.592529	-0.977959633	1812.565552	-0.08644104	1813.812378
5/7/11 16:39	10086.99609	1813.615845	-0.363416195	1813.140015	-0.229251862	1813.293579	-0.012868881	1813.588135	-0.986614704	1812.561157	-0.090768814	1813.807983
5/7/11 16:39	10087.16406	1813.620239	-0.363416195	1813.140015	-0.237913132	1813.284912	-0.012868881	1813.588135	-0.990942478	1812.556885	-0.082109451	1813.812378
5/7/11 16:39	10087.33203	1813.615845	-0.363416195	1813.140015	-0.237913132	1813.284912	-0.012868881	1813.588135	-0.990942478	1812.556885	-0.090768814	1813.807983
5/7/11 16:39	10087.49902	1813.611572	-0.367739201	1813.135742	-0.242235184	1813.28064	-0.012868881	1813.588135	-0.995269775	1812.556885	-0.090768814	1813.807983
5/7/11 16:39	10087.66699	1813.611572	-0.363416195	1813.140015	-0.250890732	1813.271973	-0.012868881	1813.588135	-0.999601841	1812.549194	-0.090768814	1813.809082
5/7/11 16:40	10087.83496	1813.612549	-0.366687298	1813.136719	-0.249837875	1813.272949	-0.011816025	1813.589233	-1.007205009	1812.540527	-0.089715958	1813.804688
5/7/11 16:40	10088.00195	1813.616943	-0.366687298	1813.136719	-0.254171371	1813.268677	-0.011816025	1813.589233	-1.002872944	1812.544922	-0.089715958	1813.809082
5/7/11 16:40	10088.16895	1813.611572	-0.372071266	1813.131348	-0.259550095	1813.263306	-0.017196655	1813.583862	-1.003924847	1812.536255	-0.08644104	1813.813354
5/7/11 16:40	10088.33594	1813.607178	-0.372071266	1813.131348	-0.259550095	1813.263306	-0.021524429	1813.57959	-1.012580395	1812.535156	-0.095096588	1813.803711
5/7/11 16:40	10088.50391	1813.615845	-0.372071266	1813.131348	-0.268205643	1813.254639	-0.021524429	1813.57959	-1.016907692	1812.530884	-0.095096588	1813.803711
5/7/11 16:40	10088.67285	1813.611572	-0.376394272	1813.127075	-0.272529602	1813.250366	-0.017196655	1813.583862	-1.012580395	1812.535156	-0.095096588	1813.803711
5/7/11 16:41	10088.83984	1813.611572	-0.376394272	1813.127075	-0.281183243	1813.241699	-0.021524429	1813.57959	-1.016907692	1812.530884	-0.095096588	1813.803711
5/7/11 16:41	10089.00781	1813.611572	-0.380726337	1813.122681	-0.276861191	1813.245972	-0.017196655	1813.583862	-1.021235466	1812.526611	-0.095096588	1813.803711
5/7/11 16:41	10089.17676	1813.611572	-0.376394272	1813.127075	-0.285516739	1813.237305	-0.021524429	1813.57959	-1.021235466	1812.522217	-0.095096588	1813.803711
5/7/11 16:41	10089.34473	1813.607178	-0.380726337	1813.122681	-0.289842606	1813.233032	-0.021524429	1813.57959	-1.025562763	1812.522217	-0.099424362	1813.799316
5/7/11 16:41	10089.51172	1813.607178	-0.380726337	1813.122681	-0.29417038	1813.228638	-0.021524429	1813.57959	-1.025562763	1812.517944	-0.099424362	1813.803711
5/7/11 16:41	10089.67871	1813.602905	-0.380726337	1813.122681	-0.298498154	1813.224365	-0.021524429	1813.57959	-1.025562763	1812.522217	-0.099424362	1813.799316
5/7/11 16:42	10089.84668	1813.602905	-0.380726337	1813.122681	-0.302825928	1813.219971	-0.025852203	1813.575195	-1.029894829	1812.51355	-0.099424362	1813.799316
5/7/11 16:43	10091.50195	1813.594238	-0.393709183	1813.109741	-0.337446213	1813.185425	-0.030183792	1813.570923	-1.060187817	1812.483276	-0.099424362	1813.795044
5/7/11 16:45	10093.17773	1813.594238	-0.40669632	1813.09668	-0.367744446	1813.155151	-0.025852203	1813.575195	-1.07316637	1812.474609	-0.10807991	1813.790649
5/7/11 16:47	10094.83496	1813.589966	-0.40669632	1813.09668	-0.398036957	1813.124756	-0.021524429	1813.57959	-1.086153507	1812.46167	-0.103746414	1813.795044
5/7/11 16:48	10096.50977	1813.594238	-0.411019325	1813.092407	-0.424003601	1813.098877	-0.017196655	1813.583862	-1.094808578	1812.453003	-0.103746414	1813.795044
5/7/11 16:50	10098.17188	1813.589966	-0.419674873	1813.08374	-0.44131279	1813.081543	-0.017196655	1813.583862	-1.107791424	1812.439941	-0.099424362	1813.799316
5/7/11 16:52	10099.8457	1813.589966	-0.424002171	1813.079468	-0.462955475	1813.059937	-0.017196655	1813.583862	-1.116446495	1812.431396	-0.095096588	1813.803711
5/7/11 16:53	10101.50293	1813.585571	-0.428329945	1813.075073	-0.480266571	1813.042603	-0.017196655	1813.583862	-1.125102043	1812.422729	-0.095096588	1813.807983
5/7/11 16:55	10103.17676	1813.594238	-0.432657242	1813.070801	-0.501903534	1813.020996	-0.008541107	1813.592529	-1.133757114	1812.414063	-0.090768814	1813.807983
5/7/11 16:57	10104.83496	1813.585571	-0.44131279	1813.062134	-0.51921463	1813.003662	-0.008541107	1813.592529	-1.142416477	1812.406372	-0.095096588	1813.804688
5/7/11 16:58	10106.50684	1813.595337	-0.444592476	1813.058838	-0.526817322	1812.996094	-0.007488251	1813.593628	-1.154342651	1812.393433	-0.085388184	1813.809082
5/7/11 17:00	10108.16504	1813.595337	-0.453247547	1813.050171	-0.539800644	1812.983032	-0.003160477	1813.5979	-1.158674717	1812.38916	-0.085388184	1813.813354
5/7/11 17:02	10109.83984	1813.595337	-0.453247547	1813.050171	-0.557109833	1812.965698	-0.007488251	1813.593628	-1.171657562	1812.376099	-0.081056595	1813.817749
5/7/11 17:03	10111.49609	1813.595337	-0.457570553	1813.045898	-0.565765381	1812.957031	-0.003160477	1813.5979	-1.171657562	1812.376099	-0.076734543	1813.822021
5/7/11 17:05	10113.1709	1813.598633	-0.467282772	1813.036133	-0.5754776	1812.947388	-0.004213333	1813.596802	-1.181365013	1812.366455	-0.077785492	1813.812378
5/7/11 17:07	10114.82813	1813.592041	-0.465178013	1813.038208	-0.582027435	1812.940796	0.002218246	1813.603271	-1.174932957	1812.367432	-0.080005646	1813.817749
5/7/11 17:08	10116.50293	1813.599609	-0.479213238	1813.02417	-0.59173584	1812.931152	-0.003160477	1813.5979	-1.184640408	1812.363159	-0.081056595	1813.817749
5/7/11 17:10	10118.17578	1813.599609	-0.479213238	1813.02417	-0.600391388	1812.922485	-0.003160477	1813.5979	-1.188967705	1812.358887	-0.072401047	1813.822021
5/7/11 17:12	10119.83594	1813.60498	-0.482488632	1813.020996	-0.603666306	1812.919189	0.002218246	1813.603271	-1.192243099	1812.351196	-0.075681686	1813.82312
5/7/11 17:13	10121.51074	1813.596313	-0.486815929	1813.016602	-0.60799408	1812.914795	0.002218246	1813.603271	-1.205225945	1812.345825	-0.075681686	1813.822021
5/7/11 17:15	10123.16992	1813.600708	-0.491143703	1813.012329	-0.60799408	1812.914795	-0.002109528	1813.598999	-1.205225945	1812.342529	-0.071350098	1813.827393
5/7/11 17:17	10124.84375	1813.600708	-0.495471478	1813.007935	-0.620975494	1812.901855	0.002218246	1813.603271	-1.209553719	1812.338257	-0.067026138	1813.831787
5/7/11 17:18	10126.50098	1813.60498	-0.504126549	1812.999268	-0.620975494	1812.901855	-0.002109528	1813.598999	-1.222536564	1812.325195	-0.071350098	1813.827393

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW47D_WLE	MW48B_WLD	MW48B_WLE	MW48C_WLD	MW48C_WLE	MW48D_WLD	MW48D_WLE	MW49B_WLD	MW49B_WLE	MW49C_WLD	MW49C_WLE
5/7/11 17:20	10128.17578	1813.592041	-0.508453846	1812.994995	-0.629631042	1812.893188	-0.002109528	1813.598999	-1.222536564	1812.325195	-0.071350098	1813.827393
5/7/11 17:22	10129.83301	1813.613647	-0.508453846	1812.994995	-0.629631042	1812.893188	0.006546021	1813.607666	-1.222536564	1812.325195	-0.071350098	1813.827393
5/7/11 17:23	10131.50684	1813.60498	-0.51278162	1812.990601	-0.638286591	1812.884521	-0.002109528	1813.598999	-1.231195927	1812.31665	-0.071350098	1813.827393
5/7/11 17:25	10133.16504	1813.60498	-0.517109394	1812.986328	-0.638286591	1812.884521	0.002218246	1813.607666	-1.235518932	1812.312256	-0.067026138	1813.827393
5/7/11 17:27	10134.84082	1813.613647	-0.517109394	1812.986328	-0.638286591	1812.884521	0.006546021	1813.607666	-1.239850998	1812.307983	-0.067026138	1813.83606
5/7/11 17:28	10136.49609	1813.600708	-0.521436691	1812.981934	-0.642614365	1812.880249	-0.002109528	1813.598999	-1.24417448	1812.303589	-0.06269455	1813.83606
5/7/11 17:30	10138.16895	1813.616943	-0.526821136	1812.976563	-0.647994995	1812.874878	0.00116539	1813.602295	-1.249558449	1812.298218	-0.068078995	1813.830688
5/7/11 17:32	10139.84277	1813.608276	-0.531144142	1812.97229	-0.652320862	1812.870483	0.00116539	1813.602295	-1.258209229	1812.289551	-0.068078995	1813.830688
5/7/11 17:33	10141.49902	1813.599609	-0.535476208	1812.967896	-0.652320862	1812.870483	0.005493164	1813.606567	-1.258209229	1812.289551	-0.068078995	1813.830688
5/7/11 17:35	10143.17188	1813.599609	-0.535476208	1812.967896	-0.652320862	1812.870483	0.00116539	1813.602295	-1.262541294	1812.285278	-0.063747406	1813.834961
5/7/11 17:37	10144.83301	1813.607178	-0.536528111	1812.966919	-0.657705307	1812.865112	0.004442215	1813.605469	-1.263593197	1812.285278	-0.064798355	1813.834961
5/7/11 17:38	10146.50488	1813.611572	-0.536528111	1812.966919	-0.657705307	1812.865112	0.008769989	1813.609863	-1.267916679	1812.279907	-0.060476303	1813.838257
5/7/11 17:40	10148.16309	1813.602905	-0.540851593	1812.962524	-0.653373718	1812.869507	0.008769989	1813.609863	-1.271196365	1812.280884	-0.063747406	1813.834961
5/7/11 17:42	10149.83887	1813.616943	-0.544131279	1812.959229	-0.656654358	1812.866211	0.005493164	1813.606567	-1.275519371	1812.272217	-0.063747406	1813.834961
5/7/11 17:43	10151.49414	1813.600708	-0.551729679	1812.95166	-0.655601501	1812.867188	0.010873795	1813.611938	-1.274467468	1812.273315	-0.054039001	1813.844727
5/7/11 17:45	10153.17188	1813.608276	-0.552782059	1812.950684	-0.66097641	1812.857544	0.005493164	1813.606567	-1.279851437	1812.267944	-0.059423447	1813.839355
5/7/11 17:47	10154.82813	1813.616943	-0.552782059	1812.950684	-0.652320862	1812.870483	0.009820938	1813.61084	-1.284179211	1812.263672	-0.059423447	1813.839355
5/7/11 17:48	10156.49902	1813.608276	-0.552782059	1812.950684	-0.66097641	1812.861816	0.005493164	1813.606567	-1.284179211	1812.263672	-0.059423447	1813.839355
5/7/11 17:50	10158.17676	1813.608276	-0.557114124	1812.946289	-0.66097641	1812.861816	0.005493164	1813.606567	-1.288506985	1812.259277	-0.059423447	1813.839355
5/7/11 17:52	10159.83398	1813.608276	-0.56143713	1812.942017	-0.66097641	1812.861816	0.009820938	1813.61084	-1.287454605	1812.260376	-0.05837059	1813.840332
5/7/11 17:53	10161.50684	1813.60498	-0.560385227	1812.942993	-0.66425705	1812.858643	0.015201569	1813.616211	-1.291782379	1812.255981	-0.054039001	1813.844727
5/7/11 17:55	10163.16406	1813.609375	-0.560385227	1812.942993	-0.659925461	1812.862915	0.015201569	1813.616211	-1.291782379	1812.255981	-0.049711227	1813.840332
5/7/11 17:57	10164.83594	1813.600708	-0.560385227	1812.942993	-0.659925461	1812.862915	0.015201569	1813.616211	-1.30043745	1812.247314	-0.049711227	1813.848999
5/7/11 17:58	10166.49316	1813.626709	-0.560385227	1812.942993	-0.659925461	1812.862915	0.010873795	1813.611938	-1.30043745	1812.247314	-0.049711227	1813.848999
5/7/11 18:00	10168.16797	1813.630981	-0.569040298	1812.934326	-0.66425705	1812.858643	0.015201569	1813.616211	-1.304764748	1812.243042	-0.049711227	1813.848999
5/7/11 18:02	10169.83984	1813.613647	-0.573372364	1812.930054	-0.66425705	1812.858643	0.010873795	1813.611938	-1.304764748	1812.243042	-0.049711227	1813.848999
5/7/11 18:03	10171.49707	1813.613647	-0.569040298	1812.934326	-0.668579102	1812.854248	0.010873795	1813.611938	-1.309092522	1812.238647	-0.045383453	1813.853394
5/7/11 18:05	10173.1709	1813.618042	-0.573372364	1812.930054	-0.66425705	1812.858643	0.010873795	1813.611938	-1.313420296	1812.234375	-0.049711227	1813.848999
5/7/11 18:07	10174.82617	1813.622314	-0.577699661	1812.925781	-0.668579102	1812.854248	0.010873795	1813.611938	-1.313420296	1812.234375	-0.05837059	1813.840332
5/7/11 18:08	10176.50098	1813.613647	-0.577699661	1812.925781	-0.668579102	1812.854248	0.015201569	1813.616211	-1.313420296	1812.234375	-0.054039001	1813.844727
5/7/11 18:10	10178.1582	1813.60498	-0.577699661	1812.925781	-0.668579102	1812.854248	0.010873795	1813.611938	-1.317747593	1812.22998	-0.049711227	1813.848999
5/7/11 18:12	10179.83398	1813.618042	-0.586355209	1812.917114	-0.66425705	1812.858643	0.015201569	1813.616211	-1.326402664	1812.221436	-0.054039001	1813.844727
5/7/11 18:28	10196.48633	1813.627686	-0.598283291	1812.905151	-0.663202286	1812.859619	0.016256332	1813.61731	-1.342663288	1812.205078	-0.048656464	1813.850098
5/7/11 18:45	10213.16504	1813.619019	-0.61559391	1812.887817	-0.658870697	1812.864014	0.024909973	1813.625977	-1.359973431	1812.187866	-0.048656464	1813.850098
5/7/11 19:02	10229.80762	1813.629883	-0.635010719	1812.868408	-0.66097641	1812.861816	0.027132034	1813.628174	-1.379385948	1812.168457	-0.050764084	1813.848022
5/7/11 19:18	10246.47266	1813.616943	-0.639342785	1812.864136	-0.656654358	1812.866211	0.027132034	1813.628174	-1.392373085	1812.155396	-0.04643631	1813.852295
5/7/11 19:35	10263.13477	1813.634277	-0.656652927	1812.851074	-0.656654358	1812.866211	0.027132034	1813.623901	-1.40535593	1812.141357	-0.042108536	1813.855591
5/7/11 19:52	10279.80566	1813.61377	-0.664132595	1812.839233	-0.65981102	1812.863037	0.023975372	1813.625	-1.421495438	1812.126343	-0.040941238	1813.857788
5/7/11 20:08	10296.4707	1813.63208	-0.671740055	1812.831665	-0.654426575	1812.868408	0.038015366	1813.639038	-1.429098129	1812.118652	-0.035558701	1813.863159
5/7/11 20:25	10313.13086	1813.626709	-0.686822891	1812.817627	-0.65653038	1812.867432	0.02725029	1813.629395	-1.434478283	1812.113281	-0.03660965	1813.862183
5/7/11 20:42	10329.79883	1813.639771	-0.685770512	1812.817627	-0.655477524	1812.867432	0.036962509	1813.638062	-1.443133354	1812.104614	-0.03660965	1813.862183
5/7/11 20:58	10346.45996	1813.618164	-0.698757648	1812.804688	-0.655477524	1812.867432	0.028303146	1813.629395	-1.451788425	1812.095947	-0.03660965	1813.862183
5/7/11 21:15	10363.1123	1813.620361	-0.709519386	1812.793945	-0.65325737	1812.869629	0.0305233	1813.631592	-1.458222389	1812.0896	-0.030061722	1813.868652
5/7/11 21:32	10379.77539	1813.656128	-0.721333504	1812.782104	-0.660743713	1812.862061	0.03169632	1813.632813	-1.474368572	1812.073486	-0.033220291	1813.865479
5/7/11 21:48	10396.44141	1813.62915	-0.731040955	1812.772339	-0.66179657	1812.865356	0.026313782	1813.627441	-1.479743958	1812.067993	-0.025617599	1813.873169
5/7/11 22:05	10413.10254	1813.636719	-0.72776556	1812.775635	-0.658519745	1812.86438	0.029592514	1813.630615	-1.493782997	1812.053955	-0.035324097	1813.863403
5/7/11 22:22	10429.77539	1813.638916	-0.734199524	1812.769287	-0.660627365	1812.862183	0.036140442	1813.637207	-1.500217438	1812.047607	-0.037431717	1813.861328
5/7/11 22:38	10446.42773	1813.657227	-0.737472534	1812.765991	-0.650917053	1812.871948	0.037195206	1813.638306	-1.507818222	1812.039917	-0.027721405	1813.871094

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW47D_WLE	MW48B_WLD	MW48B_WLE	MW48C_WLD	MW48C_WLE	MW48D_WLD	MW48D_WLE	MW49B_WLD	MW49B_WLE	MW49C_WLD	MW49C_WLE
5/7/11 22:55	10463.09277	1813.647461	-0.738643646	1812.764771	-0.652088165	1812.870728	0.036020279	1813.637085	-1.513316631	1812.034424	-0.033220291	1813.865479
5/7/11 23:12	10479.74805	1813.645264	-0.745194435	1812.758179	-0.64998436	1812.872803	0.033802032	1813.634888	-1.515535355	1812.032227	-0.026788712	1813.871948
5/7/11 23:28	10496.40918	1813.629028	-0.752795219	1812.75061	-0.644601822	1812.878296	0.039178848	1813.640259	-1.523140907	1812.024658	-0.030061722	1813.868652
5/7/11 23:45	10513.08496	1813.649414	-0.745308876	1812.758057	-0.645771027	1812.877075	0.038015366	1813.639038	-1.524309635	1812.023438	-0.026903152	1813.871826
5/8/11 0:02	10529.74902	1813.63855	-0.756187439	1812.747192	-0.647994995	1812.874878	0.035787582	1813.636841	-1.52653265	1812.02124	-0.029130936	1813.869629
5/8/11 0:18	10546.40137	1813.64624	-0.757239819	1812.746216	-0.640390396	1812.882446	0.043390274	1813.644409	-1.540572166	1812.007202	-0.025850296	1813.872925
5/8/11 0:35	10563.07324	1813.649414	-0.775602341	1812.727783	-0.650098801	1812.872803	0.042337418	1813.643433	-1.545947552	1812.00293	-0.022575378	1813.877197
5/8/11 0:52	10579.73535	1813.640747	-0.779933929	1812.723511	-0.645771027	1812.877075	0.038015366	1813.639038	-1.554602623	1811.993164	-0.022575378	1813.876221
5/8/11 1:08	10596.39941	1813.643921	-0.785432816	1812.718018	-0.638286591	1812.884521	0.04117012	1813.642212	-1.555773735	1811.992065	-0.02374649	1813.875
5/8/11 1:25	10613.05664	1813.621216	-0.782157421	1812.721313	-0.647994995	1812.874878	0.044441223	1813.645508	-1.565481186	1811.9823	-0.02479744	1813.874023
5/8/11 1:42	10629.71582	1813.626709	-0.78976059	1812.713623	-0.642614365	1812.880249	0.04117012	1813.642212	-1.573083878	1811.975708	-0.028078079	1813.871704
5/8/11 1:58	10646.38281	1813.636353	-0.793029308	1812.710449	-0.641559601	1812.881348	0.042224884	1813.643311	-1.576361656	1811.970337	-0.027023315	1813.870728
5/8/11 2:15	10663.04102	1813.627686	-0.80168438	1812.701782	-0.645887375	1812.876953	0.033565521	1813.634644	-1.580684662	1811.967163	-0.022691727	1813.876099
5/8/11 2:32	10679.70703	1813.637451	-0.809289455	1812.694092	-0.644832611	1812.878052	0.043279648	1813.644287	-1.592617512	1811.9552	-0.025968552	1813.872803
5/8/11 2:48	10696.36523	1813.634155	-0.81256485	1812.690918	-0.643781662	1812.879028	0.035673141	1813.636719	-1.595892906	1811.951904	-0.024917603	1813.873901
5/8/11 3:05	10713.02832	1813.628662	-0.813735962	1812.689697	-0.644952774	1812.87793	0.034502029	1813.63562	-1.601391792	1811.946411	-0.026082993	1813.872681
5/8/11 3:22	10729.69824	1813.626465	-0.815957069	1812.6875	-0.647176743	1812.875732	0.036607742	1813.637695	-1.607940197	1811.939819	-0.02397728	1813.874756
5/8/11 3:38	10746.35352	1813.640381	-0.81923008	1812.684204	-0.650445938	1812.872437	0.037662506	1813.638672	-1.611208916	1811.935547	-0.018600464	1813.87915
5/8/11 3:55	10763.0166	1813.643677	-0.828939915	1812.674438	-0.647176743	1812.875732	0.027952194	1813.629028	-1.615540981	1811.932251	-0.022922516	1813.875854
5/8/11 4:12	10779.67285	1813.637451	-0.839587212	1812.663818	-0.649160385	1812.873657	0.034620285	1813.635742	-1.635893345	1811.911865	-0.021636963	1813.877075
5/8/11 4:28	10796.33496	1813.651489	-0.842857838	1812.660522	-0.652441025	1812.870361	0.035673141	1813.636719	-1.634841442	1811.911865	-0.029239655	1813.868408
5/8/11 4:45	10812.99902	1813.642822	-0.842857838	1812.660522	-0.648109436	1812.874756	0.027017593	1813.628052	-1.638116837	1811.908569	-0.023864746	1813.873901
5/8/11 5:02	10829.66895	1813.638428	-0.847185612	1812.65625	-0.648109436	1812.874756	0.031345367	1813.632446	-1.647828579	1811.899902	-0.029239655	1813.869507
5/8/11 5:18	10846.32422	1813.650391	-0.848237991	1812.655151	-0.649160385	1812.873657	0.034620285	1813.635742	-1.648880482	1811.898926	-0.025968552	1813.872803
5/8/11 5:35	10862.99512	1813.634033	-0.851632118	1812.651733	-0.648231506	1812.874634	0.035552979	1813.636597	-1.652275085	1811.895508	-0.029363632	1813.869385
5/8/11 5:52	10879.64941	1813.63501	-0.842039108	1812.661377	-0.642967224	1812.879883	0.040819168	1813.641846	-1.655660629	1811.89209	-0.028421402	1813.870361
5/8/11 6:08	10896.30957	1813.647949	-0.846366882	1812.657104	-0.651620865	1812.871216	0.03216362	1813.633179	-1.659987926	1811.887817	-0.024097443	1813.874634
5/8/11 6:25	10912.97754	1813.65332	-0.849646568	1812.653809	-0.646238327	1812.876587	0.028888702	1813.630005	-1.663263321	1811.884521	-0.027368546	1813.871338
5/8/11 6:42	10929.62988	1813.629395	-0.864850521	1812.63855	-0.648462296	1812.87439	0.030994415	1813.63208	-1.66548872	1811.882324	-0.025262833	1813.873535
5/8/11 6:58	10946.2998	1813.647827	-0.863795757	1812.639648	-0.647409439	1812.875488	0.032049179	1813.633057	-1.673089504	1811.874756	-0.028535843	1813.870239
5/8/11 7:15	10962.95801	1813.63916	-0.863795757	1812.639648	-0.656059265	1812.866821	0.032049179	1813.633057	-1.681744576	1811.866089	-0.024208069	1813.874512
5/8/11 7:32	10979.63574	1813.623901	-0.870347023	1812.633057	-0.65395546	1812.868896	0.029825211	1813.630859	-1.688295841	1811.859497	-0.030759811	1813.868042
5/8/11 7:48	10996.28809	1813.632446	-0.874791145	1812.628662	-0.654071808	1812.868774	0.029708862	1813.630737	-1.692739964	1811.855103	-0.03087616	1813.86792
5/8/11 8:05	11012.94727	1813.632324	-0.883563042	1812.619873	-0.658519745	1812.86438	0.029592514	1813.630615	-1.697184086	1811.85498	-0.035320282	1813.863403
5/8/11 8:22	11029.6084	1813.639893	-0.884727478	1812.618652	-0.659685135	1812.863159	0.019767761	1813.62085	-1.707008362	1811.84082	-0.032161713	1813.866577
5/8/11 8:38	11046.28516	1813.632324	-0.896660328	1812.606812	-0.66296196	1812.859863	0.016494751	1813.617554	-1.710281372	1811.837524	-0.044094086	1813.859009
5/8/11 8:55	11062.93848	1813.622437	-0.893503666	1812.609863	-0.664129257	1812.858765	0.010995865	1813.612061	-1.711452484	1811.836304	-0.036605835	1813.862183
5/8/11 9:12	11079.59766	1813.629883	-0.899000168	1812.60437	-0.660970688	1812.861816	0.018482208	1813.619507	-1.725604057	1811.821167	-0.042102814	1813.851318
5/8/11 11:58	11246.22461	1813.607178	-0.947655678	1812.555786	-0.679332733	1812.843506	-0.004201889	1813.596924	-1.778587341	1811.760498	-0.051809311	1813.842651
5/8/11 14:45	11412.84082	1813.593994	-0.995490074	1812.507935	-0.692546844	1812.830322	-0.021743774	1813.579346	-1.843732357	1811.708374	-0.069347382	1813.83374
5/8/11 17:32	11579.46484	1813.56665	-1.053155422	1812.450317	-0.728569031	1812.794312	-0.04911232	1813.552002	-1.918707848	1811.628052	-0.101045609	1813.796631
5/8/11 20:18	11746.08008	1813.547974	-1.084850788	1812.418579	-0.742958069	1812.779907	-0.067829132	1813.533203	-1.967713356	1811.580078	-0.119758606	1813.779053
5/8/11 23:05	11912.70801	1813.52771	-1.096431255	1812.406982	-0.758863449	1812.764038	-0.088068008	1813.512939	-2.009591579	1811.538208	-0.139993668	1813.758789
5/9/11 1:52	12079.33105	1813.521851	-1.097949982	1812.405518	-0.760381699	1812.762451	-0.089582443	1813.511475	-2.019765377	1811.526978	-0.150173187	1813.747559
5/9/11 4:38	12245.95605	1813.519409	-1.126369953	1812.377075	-0.771490097	1812.751343	-0.109352112	1813.491699	-2.052512646	1811.495239	-0.16560936	1813.733154
5/9/11 7:25	12412.58398	1813.485962	-1.164154053	1812.339233	-0.796291351	1812.726563	-0.129821777	1813.471191	-2.090296745	1811.456421	-0.173095703	1813.724609
5/9/11 10:12	12579.20117	1813.427612	-1.170588017	1812.332886	-0.828691483	1812.694214	-0.166547775	1813.43457	-2.131351471	1811.416504	-0.235794067	1813.662964
5/9/11 12:58	12745.81543	1813.403442	-1.186025143	1812.317383	-0.844133377	1812.678711	-0.190641403	1813.4104	-2.151116371	1811.396729	-0.255558014	1813.643188

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW47D_WLE	MW48B_WLD	MW48B_WLE	MW48C_WLD	MW48C_WLE	MW48D_WLD	MW48D_WLE	MW49B_WLD	MW49B_WLE	MW49C_WLD	MW49C_WLE
5/9/11 15:45	12912.44727	1813.428711	-1.195377827	1812.308105	-0.836175919	1812.686646	-0.178356171	1813.422729	-2.160473824	1811.387329	-0.234617233	1813.664185
5/9/11 18:32	13079.07129	1812.903687	-1.21408844	1812.289307	-1.015010834	1812.507813	-0.456739426	1813.144287	-2.205149651	1811.342651	-0.703414917	1813.195313
5/9/11 21:18	13245.69336	1812.781006	-1.215613842	1812.287842	-1.133386612	1812.389404	-0.566453934	1813.034668	-2.232640266	1811.319458	-0.83477211	1813.059692
5/10/11 0:05	13412.30078	1812.761963	-1.204387665	1812.299072	-1.148124695	1812.374756	-0.594177246	1813.006836	-2.234396935	1811.313354	-0.858167648	1813.040649
5/10/11 2:52	13578.92676	1812.760742	-1.201229095	1812.302246	-1.144966125	1812.37793	-0.586690903	1813.014404	-2.235565662	1811.311157	-0.846353531	1813.051392
5/10/11 5:38	13745.55469	1812.76709	-1.207894325	1812.295532	-1.155963898	1812.366943	-0.589027405	1813.012085	-2.259545803	1811.288208	-0.853023529	1813.045776
5/10/11 8:25	13912.16602	1812.730591	-1.192463875	1812.310913	-1.18380928	1812.338989	-0.616872787	1812.984131	-2.257098198	1811.290649	-0.876541138	1813.022217
5/10/11 11:12	14078.79785	1812.773438	-1.15819931	1812.345215	-1.184165955	1812.338623	-0.612901688	1812.988159	-2.240139961	1811.307617	-0.850927353	1813.047852
5/10/11 13:58	14245.4082	1812.775269	-1.139128208	1812.364258	-1.130477905	1812.392334	-0.567869186	1813.033203	-2.225400448	1811.322388	-0.827531815	1813.071289
5/10/11 16:45	14412.03418	1812.737061	-1.151411057	1812.352051	-1.151407242	1812.37146	-0.593135834	1813.007935	-2.237679005	1811.310059	-0.865781784	1813.032959
5/10/11 19:32	14578.66016	1812.720703	-1.14603138	1812.357422	-1.154687881	1812.368164	-0.596406937	1813.004639	-2.253941536	1811.293823	-0.87771225	1813.020996
5/10/11 22:18	14745.27637	1812.755371	-1.154686451	1812.348755	-1.159015656	1812.36377	-0.583427429	1813.017578	-2.271256447	1811.276489	-0.864732742	1813.034058
5/11/11 1:05	14911.90234	1812.741455	-1.112346172	1812.391113	-1.14263916	1812.380249	-0.584363937	1813.016724	-2.241894245	1811.305908	-0.861335754	1813.037476
5/11/11 3:52	15078.51758	1812.750244	-1.112229347	1812.391235	-1.138195038	1812.384644	-0.575592041	1813.025513	-2.24177742	1811.30603	-0.861219406	1813.037598
5/11/11 6:38	15245.15137	1812.715088	-1.108372688	1812.39502	-1.151649475	1812.371216	-0.59336853	1813.00769	-2.259559155	1811.288208	-0.883329391	1813.015381
5/11/11 9:25	15411.76953	1812.758789	-1.090714931	1812.41272	-1.129659653	1812.393188	-0.562732697	1813.03833	-2.241900921	1811.305908	-0.844032288	1813.054688
5/11/11 12:12	15578.3877	1812.944946	-1.099246502	1812.404175	-1.112234116	1812.410645	-0.515005112	1813.08606	-2.259092331	1811.288696	-0.692440033	1813.206299
5/11/11 14:58	15745.00391	1813.38623	-1.056083202	1812.447388	-0.839694977	1812.683105	-0.181880951	1813.419189	-2.207273483	1811.340576	-0.277090073	1813.621704
5/11/11 17:45	15911.62402	1813.453247	-1.127556324	1812.375854	-0.811626434	1812.711182	-0.136499405	1813.4646	-2.296052933	1811.250732	-0.20574379	1813.687622
5/11/11 20:32	16078.25977	1813.452881	-1.089072704	1812.414307	-0.790456772	1812.732422	-0.12830925	1813.472778	-2.26189661	1811.285889	-0.197553635	1813.701172
5/11/11 23:18	16244.87988	1813.468262	-1.095271111	1812.408203	-0.779350281	1812.74353	-0.108547211	1813.492554	-2.268099785	1811.279663	-0.169132233	1813.729614
5/12/11 2:05	16411.49414	1813.539429	-1.097727776	1812.40564	-0.760164261	1812.762695	-0.089361191	1813.511719	-2.27815485	1811.268555	-0.157548904	1813.740112
5/12/11 4:52	16578.11719	1810.301147	-1.098780155	1812.404663	-0.752559662	1812.770264	-0.086090088	1813.515015	-2.297574043	1811.250244	-0.142343521	1813.75647
5/12/11 15:58	17244.60156	1813.482056	-1.111762524	1812.391602	-0.765539169	1812.757324	-0.094745636	1813.506348	-2.327867031	1811.219971	-0.168308258	1813.730469

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW49D_WLD	MW49D_WLE	MW50B_WLD	MW50B_WLE	MW50C_WLD	MW50C_WLE	MW50D_WLD	MW50D_WLE	MW51B_WLD	MW51B_WLE	MW51C_WLD
4/30/11 16:29	2.551150084	-0.068759918	1813.911133	0.001052856	1813.829346	-0.072040558	1813.682739	-0.060112	1813.750977	-0.055783272	1813.440186	-0.081748962
4/30/11 16:39	9.998366356	-0.995386124	1812.914673	-0.008654594	1813.819702	-1.350259781	1812.331421	-0.082227707	1813.668823	-0.164457321	1813.274658	-0.562606812
4/30/11 16:49	19.99691582	-1.124164581	1812.785889	0.004327774	1813.832642	-1.570975304	1812.110718	-0.102813721	1813.648193	-0.176383495	1813.26709	-0.998659134
4/30/11 16:59	29.99004936	-1.16112709	1812.747925	0.001988411	1813.830322	-1.646888733	1812.03479	-0.097549438	1813.653442	-0.17006588	1813.267944	-1.204402924
4/30/11 17:09	39.98183441	-1.180547714	1812.729492	-0.020704269	1813.812012	-1.686891556	1811.999146	-0.085622787	1813.661133	-0.167851448	1813.27124	-1.306050301
4/30/11 17:19	49.97788239	-1.19119072	1812.718872	-0.027019501	1813.80127	-1.706193924	1811.975586	-0.091938019	1813.659058	-0.182821751	1813.256226	-1.364300728
4/30/11 17:29	59.9766655	-1.192243576	1812.717896	-0.028074265	1813.800293	-1.711575508	1811.970093	-0.088659286	1813.662354	-0.175220966	1813.263916	-1.395648003
4/30/11 17:39	69.97721863	-1.190021515	1812.720093	0.000114441	1813.828491	-1.713680267	1811.968018	-0.082109451	1813.668945	-0.181648731	1813.257446	-1.410731316
4/30/11 17:49	79.97341919	-1.192007065	1812.71814	-0.014858246	1813.813477	-1.719997406	1811.96167	-0.08842659	1813.662598	-0.183642864	1813.255493	-1.421380043
4/30/11 17:59	89.97554779	-1.199495316	1812.710571	-0.023394585	1813.804932	-1.724205971	1811.95752	-0.092634201	1813.658325	-0.191122532	1813.247925	-1.428864479
4/30/11 18:09	99.9717865	-1.192007065	1812.71814	-0.019185066	1813.817871	-1.715669632	1811.966064	-0.084102631	1813.66687	-0.192297935	1813.246826	-1.430035591
4/30/11 18:19	109.9689636	-1.194000244	1812.716064	-0.01684761	1813.811523	-1.713332176	1811.968384	-0.086093903	1813.664917	-0.18996048	1813.249146	-1.432025909
4/30/11 18:29	119.956665	-1.188503265	1812.721558	-0.024332047	1813.799683	-1.712157249	1811.969604	-0.080595016	1813.67041	-0.184461594	1813.254639	-1.430854797
4/30/11 18:39	129.9540863	-1.198209763	1812.711914	-0.021056175	1813.807251	-1.708886147	1811.9729	-0.077314377	1813.673706	-0.185513973	1813.25354	-1.427575111
4/30/11 18:49	139.9494781	-1.188503265	1812.721558	-0.020004272	1813.80835	-1.703501701	1811.978271	-0.07626152	1813.674805	-0.188785076	1813.250366	-1.430854797
4/30/11 18:59	149.9534149	-1.189439774	1812.720703	-0.016614914	1813.811768	-1.704443932	1811.977295	-0.08152771	1813.669434	-0.17674017	1813.258057	-1.431787491
4/30/11 19:09	159.960968	-1.184993744	1812.723999	-0.033805847	1813.794556	-1.704320908	1811.977417	-0.07708168	1813.67395	-0.189603806	1813.248413	-1.43167305
4/30/11 19:19	169.9581451	-1.184875488	1812.72522	-0.016376495	1813.812012	-1.699878693	1811.981812	-0.076967239	1813.674072	-0.180834293	1813.258301	-1.431554794
4/30/11 19:29	179.9511261	-1.185926437	1812.724121	-0.004450798	1813.823853	-1.696602821	1811.985107	-0.078018188	1813.672974	-0.173231125	1813.265869	-1.432606697
4/30/11 19:39	189.9528656	-1.182655334	1812.727417	-0.009825706	1813.818481	-1.701982498	1811.979736	-0.075796127	1813.67627	-0.18726635	1813.251831	-1.429335594
4/30/11 19:49	199.947876	-1.182535172	1812.727539	0.01192379	1813.840332	-1.70186615	1811.979858	-0.078954697	1813.672119	-0.187149525	1813.251953	-1.429219246
4/30/11 19:59	209.9439545	-1.182422638	1812.727661	0.007713318	1813.83606	-1.697422028	1811.984253	-0.078838348	1813.672119	-0.182705402	1813.256348	-1.429101944
4/30/11 20:09	219.9481049	-1.176925659	1812.733154	-0.012755394	1813.815552	-1.691926003	1811.989746	-0.081996918	1813.669067	-0.185863972	1813.253296	-1.427933693
4/30/11 20:19	229.9294434	-1.182189941	1812.727905	-0.009364128	1813.81897	-1.688533783	1811.993164	-0.078603745	1813.672363	-0.195454597	1813.243652	-1.433197021
4/30/11 20:29	239.9272766	-1.177742004	1812.732422	-0.009244919	1813.823486	-1.692747116	1811.989014	-0.069835663	1813.672485	-0.195340157	1813.243774	-1.428754807
4/30/11 20:39	249.9377594	-1.171192169	1812.737793	0.018943787	1813.84729	-1.686195374	1811.995483	-0.076267242	1813.674805	-0.180134296	1813.257935	-1.422204018
4/30/11 20:49	259.9354858	-1.172134399	1812.737915	0.018006325	1813.846313	-1.691461563	1811.990234	-0.072877884	1813.678101	-0.185399532	1813.253662	-1.431792259
4/30/11 20:59	269.9232483	-1.166635513	1812.743408	-0.01650238	1813.812866	-1.682689667	1812.000122	-0.071706772	1813.679321	-0.171245575	1813.267822	-1.426293373
4/30/11 21:09	279.9238892	-1.170848846	1812.739258	0.006308556	1813.834717	-1.685848236	1811.99585	-0.075918198	1813.675049	-0.179786205	1813.259277	-1.426183701
4/30/11 21:19	289.9251099	-1.170726776	1812.73938	-0.002229691	1813.826172	-1.681404114	1812.000366	-0.071474075	1813.679565	-0.179669857	1813.259399	-1.426062584
4/30/11 21:29	299.9246216	-1.16733551	1812.743774	0.022800446	1813.851196	-1.6823349	1811.99939	-0.072410583	1813.678589	-0.180605412	1813.259521	-1.426998138
4/30/11 21:39	309.9195862	-1.174823761	1812.735229	-0.006325722	1813.822021	-1.676840782	1812.004883	-0.071243286	1813.67981	-0.175110817	1813.264038	-1.430158615
4/30/11 21:49	319.918335	-1.166049957	1812.744019	0.006775856	1813.835083	-1.676726341	1812.005005	-0.075452805	1813.675537	-0.174987793	1813.26416	-1.421384811
4/30/11 21:59	329.9153442	-1.161603928	1812.748535	-0.001765251	1813.826538	-1.676607132	1812.005127	-0.07101059	1813.680054	-0.179201126	1813.259888	-1.425598145
4/30/11 22:09	339.9111023	-1.16476059	1812.745361	-0.000594139	1813.827759	-1.671113014	1812.01062	-0.069835663	1813.681152	-0.17370224	1813.265381	-1.424427032
4/30/11 22:19	349.9128113	-1.167921066	1812.743286	0.013555527	1813.841919	-1.669941902	1812.011719	-0.06867218	1813.682373	-0.159557343	1813.28064	-1.414605141
4/30/11 22:29	359.9077759	-1.16570282	1812.744385	0.020106316	1813.848389	-1.672046661	1812.009644	-0.066444397	1813.68457	-0.161661625	1813.277466	-1.4167099
4/30/11 22:39	369.9070129	-1.164525986	1812.745605	0.03858757	1813.866943	-1.675203323	1812.00647	-0.073932648	1813.677124	-0.160486221	1813.278564	-1.411211014
4/30/11 22:49	379.9004211	-1.156930923	1812.753174	0.037532806	1813.865845	-1.667602539	1812.01416	-0.066331863	1813.684692	-0.152885437	1813.286255	-1.407938004
4/30/11 22:59	389.9001465	-1.15798378	1812.752075	0.027823448	1813.856201	-1.664333344	1812.017334	-0.067386627	1813.683594	-0.15827179	1813.280884	-1.408991814
4/30/11 23:09	399.8978577	-1.151433945	1812.757568	0.030051231	1813.8573	-1.657777786	1812.022949	-0.06083107	1813.690186	-0.151716709	1813.286377	-1.406768799
4/30/11 23:19	409.8957214	-1.15353775	1812.756592	0.053908348	1813.882202	-1.655554771	1812.026123	-0.062936783	1813.68811	-0.149493217	1813.289551	-1.408873558
4/30/11 23:29	419.8928528	-1.153419495	1812.756714	0.054026604	1813.882324	-1.651112556	1812.03064	-0.054170609	1813.696777	-0.149378777	1813.289673	-1.400098801
4/30/11 23:39	429.8929138	-1.151201248	1812.755615	0.04326725	1813.871582	-1.653217316	1812.028564	-0.056276321	1813.694702	-0.151483059	1813.288696	-1.40220356
4/30/11 23:49	439.8961182	-1.147920609	1812.762207	0.037887573	1813.866211	-1.649941444	1812.031738	-0.057327271	1813.693726	-0.139552593	1813.299561	-1.403255463
4/30/11 23:59	449.8925171	-1.14242363	1812.7677	0.039056778	1813.867432	-1.644445419	1812.037231	-0.047498703	1813.703491	-0.138383865	1813.300781	-1.397759438
5/1/11 0:09	459.879425	-1.141260147	1812.768799	0.044552803	1813.872925	-1.643276215	1812.038452	-0.046329498	1813.704712	-0.145870209	1813.293213	-1.396595001
5/1/11 0:19	469.8830261	-1.14008522	1812.771118	0.05975914	1813.888062	-1.632398605	1812.049316	-0.058145523	1813.692871	-0.144699097	1813.29541	-1.391091347

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW49D_WLD	MW49D_WLE	MW50B_WLD	MW50B_WLE	MW50C_WLD	MW50C_WLE	MW50D_WLD	MW50D_WLE	MW51B_WLD	MW51B_WLE	MW51C_WLD
5/1/11 0:29	479.881073	-1.135757446	1812.774292	0.058706284	1813.887085	-1.637778282	1812.043945	-0.04083252	1813.710205	-0.131716251	1813.307373	-1.386768341
5/1/11 0:39	489.8788452	-1.130262375	1812.775513	0.055545807	1813.883911	-1.636610985	1812.045166	-0.039665222	1813.711304	-0.130549908	1813.308594	-1.381274223
5/1/11 0:49	499.8612976	-1.128040314	1812.781006	0.075078964	1813.903442	-1.630060196	1812.051636	-0.037441254	1813.713623	-0.136981487	1813.301025	-1.396357536
5/1/11 0:59	509.8616943	-1.126871109	1812.783203	0.076248169	1813.904541	-1.633218765	1812.048462	-0.036268234	1813.714722	-0.127157688	1813.31189	-1.382205963
5/1/11 1:09	519.8577881	-1.124649048	1812.7854	0.074141502	1813.902466	-1.630998611	1812.050781	-0.034051895	1813.716919	-0.133591652	1813.305542	-1.37998867
5/1/11 1:19	529.8606567	-1.119268417	1812.789795	0.066540718	1813.894897	-1.625612259	1812.056152	-0.037321091	1813.713745	-0.123882294	1813.314209	-1.37893486
5/1/11 1:29	539.8572388	-1.111667633	1812.797363	0.0730896	1813.901489	-1.619063377	1812.062622	-0.021068573	1813.72998	-0.120604515	1813.317383	-1.367001534
5/1/11 1:39	549.8531494	-1.119268417	1812.790771	0.079523087	1813.907837	-1.6212883	1812.060425	-0.032997131	1813.718018	-0.123882294	1813.315186	-1.365947723
5/1/11 1:49	559.8547363	-1.110612869	1812.799438	0.092506409	1813.920898	-1.616956711	1812.064819	-0.024341583	1813.726685	-0.123882294	1813.315186	-1.365947723
5/1/11 1:59	569.8573608	-1.114940643	1812.795166	0.096834183	1813.925171	-1.6212883	1812.060425	-0.020015717	1813.730957	-0.115227222	1813.323853	-1.361619949
5/1/11 2:09	579.8534546	-1.104063034	1812.80603	0.09905529	1813.927368	-1.610407829	1812.071289	-0.017793655	1813.733154	-0.121656895	1813.317383	-1.363726616
5/1/11 2:19	589.8516235	-1.105115891	1812.804932	0.098002434	1813.926392	-1.611460686	1812.070313	-0.018846512	1813.732178	-0.109730721	1813.329346	-1.356122971
5/1/11 2:29	599.8493652	-1.104177475	1812.805908	0.090285301	1813.918579	-1.597543716	1812.084229	-0.009252548	1813.741699	-0.104465485	1813.334595	-1.355185509
5/1/11 2:39	609.8544312	-1.099849701	1812.810303	0.094613075	1813.922974	-1.597543716	1812.084229	-0.004920959	1813.746094	-0.104465485	1813.338989	-1.350857735
5/1/11 2:49	619.8500366	-1.0989151	1812.811157	0.099876404	1813.928223	-1.592281342	1812.089478	-0.012645721	1813.738403	-0.09487009	1813.344238	-1.34992218
5/1/11 2:59	629.8358154	-1.096809387	1812.812256	0.110637665	1813.937988	-1.594502449	1812.086182	-0.010538101	1813.740479	-0.09709549	1813.340942	-1.347815514
5/1/11 3:09	639.8425293	-1.09353447	1812.816528	0.100928307	1813.929321	-1.591228485	1812.090454	-0.002937317	1813.748047	-0.098149776	1813.340942	-1.340214729
5/1/11 3:19	649.840332	-1.088039398	1812.817749	0.128067017	1813.956421	-1.590055466	1812.091675	-0.001764297	1813.749268	-0.096976757	1813.342163	-1.347701073
5/1/11 3:29	659.8231201	-1.09119606	1812.818848	0.10326767	1813.931641	-1.58455658	1812.097168	0.003734589	1813.754761	-0.104465485	1813.334595	-1.346529961
5/1/11 3:39	669.822876	-1.08464241	1812.825439	0.131459236	1813.959839	-1.58234024	1812.099365	0.005950928	1813.756958	-0.102240086	1813.336914	-1.344309807
5/1/11 3:49	679.8244629	-1.079267502	1812.830811	0.119524002	1813.947876	-1.576955795	1812.104736	0.011335373	1813.762329	-0.101187706	1813.337891	-1.334602356
5/1/11 3:59	689.817688	-1.074935913	1812.835205	0.120578766	1813.948975	-1.575901985	1812.105835	0.011335373	1813.762329	-0.101187706	1813.337891	-1.330274582
5/1/11 4:09	699.8319702	-1.067453384	1812.842651	0.122682571	1813.95105	-1.569469452	1812.112305	0.014493942	1813.765503	-0.093705654	1813.341064	-1.327116013
5/1/11 4:19	709.8260498	-1.067453384	1812.842651	0.13133812	1813.959717	-1.573797226	1812.10791	0.018815994	1813.769775	-0.098029137	1813.341064	-1.322788239
5/1/11 4:29	719.821228	-1.068506241	1812.842651	0.127015114	1813.955322	-1.569469452	1812.112305	0.017765045	1813.768799	-0.103413105	1813.336792	-1.328167915
5/1/11 4:39	729.8097534	-1.064172745	1812.841553	0.121630669	1813.949951	-1.56186676	1812.119873	0.022096634	1813.773071	-0.099081039	1813.339966	-1.319512367
5/1/11 4:49	739.8087769	-1.065225601	1812.845947	0.125962257	1813.954346	-1.56186676	1812.119873	0.025371552	1813.776367	-0.10878849	1813.331421	-1.320565224
5/1/11 4:59	749.8054199	-1.062068939	1812.846924	0.119411469	1813.947754	-1.555435181	1812.126343	0.028528214	1813.779541	-0.096976757	1813.341064	-1.313080788
5/1/11 5:09	759.8016968	-1.057741165	1812.856689	0.13133812	1813.960693	-1.552159309	1812.130615	0.036130905	1813.787109	-0.096976757	1813.342163	-1.313080788
5/1/11 5:19	769.7966919	-1.052242279	1812.853516	0.120578766	1813.948975	-1.554264069	1812.127441	0.038351059	1813.789307	-0.100133419	1813.338989	-1.311909676
5/1/11 5:29	779.7998047	-1.053297043	1812.856812	0.12817955	1813.956543	-1.546663284	1812.13501	0.045951843	1813.796997	-0.101187706	1813.333618	-1.312964439
5/1/11 5:39	789.7988892	-1.051080704	1812.859009	0.121749878	1813.950073	-1.548769951	1812.132935	0.048175812	1813.799194	-0.09897089	1813.340088	-1.310738564
5/1/11 5:49	799.7960815	-1.046749115	1812.863403	0.130404472	1813.95874	-1.540114403	1812.141602	0.043844223	1813.794922	-0.103294373	1813.335815	-1.302083969
5/1/11 5:59	809.7993774	-1.044528961	1812.866577	0.11531353	1813.943604	-1.542219162	1812.139526	0.046072006	1813.797119	-0.096747875	1813.343384	-1.304187775
5/1/11 6:09	819.8001709	-1.043355942	1812.866699	0.112154007	1813.940552	-1.541049957	1812.140625	0.051568985	1813.802612	-0.099906445	1813.343506	-1.29869175
5/1/11 6:19	829.7947388	-1.041135788	1812.863525	0.118702888	1813.946045	-1.53882885	1812.141846	0.049461365	1813.800537	-0.102013111	1813.33606	-1.300798416
5/1/11 6:29	839.7921143	-1.04429245	1812.865845	0.106891632	1813.935303	-1.533329964	1812.148438	0.054960251	1813.805908	-0.096514702	1813.342529	-1.295303345
5/1/11 6:39	849.7927856	-1.036689758	1812.874512	0.137184143	1813.965576	-1.537657738	1812.144043	0.058235168	1813.809204	-0.106221676	1813.32959	-1.300683975
5/1/11 6:49	859.7770996	-1.035522461	1812.874512	0.102678299	1813.93103	-1.533215523	1812.14856	0.055074692	1813.806152	-0.105051041	1813.334106	-1.299516678
5/1/11 6:59	869.7738037	-1.034351349	1812.874756	0.103853226	1813.931152	-1.532040596	1812.148682	0.056251526	1813.807251	-0.108207226	1813.329834	-1.294018745
5/1/11 7:09	879.7728882	-1.031076431	1812.879028	0.12443924	1813.952759	-1.533092499	1812.148682	0.055198669	1813.806152	-0.104936123	1813.334229	-1.295070648
5/1/11 7:19	889.7697144	-1.036457062	1812.872559	0.123384476	1813.950684	-1.534147263	1812.146484	0.062799454	1813.813843	-0.101658821	1813.336426	-1.29179287
5/1/11 7:29	899.7668457	-1.034236908	1812.875854	0.11367321	1813.942017	-1.53087616	1812.150879	0.056360245	1813.807373	-0.103765488	1813.3396	-1.293899536
5/1/11 7:39	909.7659912	-1.036457062	1812.874756	0.115779877	1813.944092	-1.528769493	1812.152954	0.054143906	1813.805176	-0.097335339	1813.338501	-1.287469864
5/1/11 7:49	919.7631836	-1.033182144	1812.876953	0.11367321	1813.942017	-1.53087616	1812.150879	0.057415009	1813.808472	-0.094055653	1813.345093	-1.288521767
5/1/11 7:59	929.7573853	-1.031076431	1812.879028	0.110402107	1813.938721	-1.525491714	1812.15625	0.059520721	1813.810547	-0.100604534	1813.338501	-1.2864151
5/1/11 8:09	939.7544556	-1.026866913	1812.883179	0.124316216	1813.952637	-1.524560928	1812.157227	0.055074692	1813.806152	-0.087740421	1813.351318	-1.282206535
5/1/11 8:19	949.7680054	-1.032131195	1812.87793	0.127708435	1813.956055	-1.534147263	1812.147583	0.054143906	1813.805176	-0.097335339	1813.346069	-1.287469864

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW49D_WLD	MW49D_WLE	MW50B_WLD	MW50B_WLE	MW50C_WLD	MW50C_WLE	MW50D_WLD	MW50D_WLE	MW51B_WLD	MW51B_WLE	MW51C_WLD
5/1/11 8:29	959.7615967	-1.037509918	1812.872559	0.105017662	1813.93335	-1.526543617	1812.155151	0.057415009	1813.808472	-0.098387718	1813.345093	-1.288521767
5/1/11 8:39	969.7555542	-1.034236908	1812.880127	0.138588905	1813.966919	-1.523275375	1812.158447	0.052038193	1813.803101	-0.09510994	1813.343994	-1.28957653
5/1/11 8:49	979.753479	-1.040668488	1812.869385	0.13320446	1813.960449	-1.528650284	1812.151978	0.055309296	1813.806274	-0.092886925	1813.346191	-1.283020973
5/1/11 8:59	989.7450562	-1.02885437	1812.876953	0.139642715	1813.968018	-1.526543617	1812.155151	0.057415009	1813.808472	-0.089728355	1813.349365	-1.279862404
5/1/11 9:09	999.7601318	-1.040668488	1812.869385	0.127829552	1813.956177	-1.525379181	1812.156372	0.054256439	1813.805298	-0.097214699	1813.341919	-1.287348747
5/1/11 9:19	1009.750244	-1.031896591	1812.878174	0.127941132	1813.956299	-1.525258064	1812.156494	0.058700562	1813.809692	-0.101425171	1813.342041	-1.287232399
5/1/11 9:29	1019.749146	-1.037279129	1812.872803	0.125834465	1813.954224	-1.527364731	1812.154297	0.053323746	1813.804321	-0.098152161	1813.340942	-1.288286209
5/1/11 9:39	1029.747192	-1.03821373	1812.872925	0.121623993	1813.949951	-1.527253151	1812.154419	0.056711197	1813.807739	-0.116397858	1813.32373	-1.293549538
5/1/11 9:49	1039.740234	-1.032718658	1812.877441	0.109809875	1813.93811	-1.526079178	1812.15564	0.053552628	1813.804565	-0.110901833	1813.33252	-1.288052559
5/1/11 9:59	1049.738892	-1.027338028	1812.882813	0.115194321	1813.943604	-1.525027275	1812.156738	0.058931351	1813.809937	-0.101194382	1813.337891	-1.287000656
5/1/11 10:09	1059.74707	-1.031665802	1812.878418	0.110861778	1813.939209	-1.525027275	1812.156738	0.054603577	1813.805664	-0.109849453	1813.329224	-1.287000656
5/1/11 10:19	1069.72522	-1.03587532	1812.87854	0.102330208	1813.930664	-1.524908066	1812.15686	0.050395966	1813.801392	-0.105402946	1813.33374	-1.286882401
5/1/11 10:29	1079.729004	-1.03587532	1812.873169	0.123968124	1813.952271	-1.520581245	1812.161133	0.05472374	1813.805786	-0.105402946	1813.332642	-1.291209221
5/1/11 10:39	1089.724976	-1.03587532	1812.874268	0.115308762	1813.943604	-1.524908066	1812.15686	0.050395966	1813.801392	-0.109730721	1813.329346	-1.286882401
5/1/11 10:49	1099.723145	-1.03576088	1812.87439	0.098116875	1813.926514	-1.533449173	1812.148315	0.054838181	1813.805908	-0.113943577	1813.329468	-1.286767006
5/1/11 10:59	1109.720703	-1.042192459	1812.872192	0.091680527	1813.920044	-1.526898384	1812.154785	0.048404694	1813.799438	-0.107392788	1813.327393	-1.288871765
5/1/11 11:09	1119.717285	-1.039970398	1812.870117	0.115544319	1813.943848	-1.533332825	1812.148438	0.046298981	1813.797363	-0.109499454	1813.333984	-1.286650658
5/1/11 11:19	1129.715332	-1.047456741	1812.862671	0.11671257	1813.945068	-1.53216362	1812.149536	0.043140411	1813.794189	-0.108330727	1813.326416	-1.294137001
5/1/11 11:29	1139.710205	-1.044298172	1812.865845	0.111216545	1813.939575	-1.537659645	1812.144043	0.041971207	1813.792969	-0.113827229	1813.32959	-1.290978432
5/1/11 11:39	1149.706421	-1.048625946	1812.86145	0.111216545	1813.939575	-1.529005051	1812.15271	0.046298981	1813.797363	-0.10517168	1813.32959	-1.290978432
5/1/11 11:49	1159.718628	-1.045352936	1812.864746	0.114489555	1813.942871	-1.530058861	1812.151611	0.040916443	1813.791992	-0.110553741	1813.328613	-1.296360016
5/1/11 11:59	1169.719971	-1.05295372	1812.857178	0.119872093	1813.948242	-1.541992188	1812.139771	0.033321381	1813.784302	-0.109499454	1813.32959	-1.290978432
5/1/11 12:09	1179.701172	-1.057397842	1812.852661	0.115427971	1813.94812	-1.533449173	1812.143921	0.028877258	1813.779907	-0.105288506	1813.333862	-1.29109478
5/1/11 12:19	1189.705322	-1.057397842	1812.852661	0.124082565	1813.952393	-1.537780762	1812.143921	0.037530899	1813.788574	-0.105288506	1813.338135	-1.295422554
5/1/11 12:29	1199.699097	-1.054239273	1812.855835	0.122914314	1813.951294	-1.534622192	1812.147095	0.032035828	1813.783081	-0.102129936	1813.336914	-1.296591759
5/1/11 12:39	1209.700073	-1.053184509	1812.856934	0.132623672	1813.960938	-1.537891388	1812.143799	0.028757095	1813.779785	-0.101075649	1813.338013	-1.295536995
5/1/11 12:49	1219.697754	-1.055294037	1812.85376	0.117531776	1813.945923	-1.539999962	1812.141724	0.030981064	1813.781982	-0.103184223	1813.334839	-1.297645569
5/1/11 12:59	1229.688965	-1.054239273	1812.855835	0.114253998	1813.942627	-1.547600746	1812.134155	0.032035828	1813.783081	-0.102129936	1813.336914	-1.296591759
5/1/11 13:09	1239.687256	-1.051080704	1812.859009	0.117412567	1813.945801	-1.540119171	1812.141602	0.030860901	1813.78186	-0.103298664	1813.335815	-1.293433189
5/1/11 13:19	1249.681152	-1.057512283	1812.856934	0.11964035	1813.943604	-1.537891388	1812.143799	0.033088684	1813.784058	-0.105402946	1813.33374	-1.299864769
5/1/11 13:29	1259.67981	-1.052249908	1812.85791	0.142213821	1813.948975	-1.536960602	1812.144775	0.034021378	1813.785034	-0.100140095	1813.338989	-1.29460144
5/1/11 13:39	1269.67688	-1.046869278	1812.863281	0.121623993	1813.949951	-1.535907745	1812.145752	0.035072327	1813.786133	-0.103415489	1813.335693	-1.293549538
5/1/11 13:49	1279.674561	-1.054355621	1812.856812	0.127124786	1813.955444	-1.534734726	1812.146973	0.036245346	1813.787231	-0.097918987	1813.342285	-1.292380333
5/1/11 13:59	1289.690552	-1.055408478	1812.854736	0.117412567	1813.945801	-1.531463623	1812.150269	0.035194397	1813.786255	-0.111953735	1813.327148	-1.29776001
5/1/11 14:09	1299.670654	-1.04675293	1812.863281	0.126072884	1813.950073	-1.535786629	1812.150269	0.039516449	1813.790527	-0.111953735	1813.331421	-1.293433189
5/1/11 14:19	1309.682495	-1.051080704	1812.859009	0.117412567	1813.945801	-1.535786629	1812.145996	0.035194397	1813.786255	-0.107626438	1813.331421	-1.293433189
5/1/11 14:29	1319.666016	-1.05213356	1812.859009	0.130400658	1813.95874	-1.527132034	1812.154541	0.0384655	1813.789429	-0.10002327	1813.331421	-1.294485092
5/1/11 14:39	1329.680908	-1.05213356	1812.85791	0.120693207	1813.948975	-1.528183937	1812.153564	0.042797089	1813.793823	-0.113006115	1813.32605	-1.290157318
5/1/11 14:49	1339.670898	-1.041372299	1812.868774	0.118465424	1813.946777	-1.53041172	1812.151367	0.044900894	1813.795898	-0.102246284	1813.336914	-1.288052559
5/1/11 14:59	1349.670776	-1.047805786	1812.862305	0.120693207	1813.948975	-1.528183937	1812.153564	0.034141541	1813.785156	-0.113006115	1813.32605	-1.290157318
5/1/11 15:09	1359.66748	-1.043478012	1812.866577	0.116360664	1813.948975	-1.532515526	1812.14917	0.0384655	1813.789429	-0.113006115	1813.32605	-1.290157318
5/1/11 15:19	1369.665039	-1.051197052	1812.85791	0.121623993	1813.949951	-1.522920609	1812.158813	0.039403915	1813.790405	-0.112074852	1813.325928	-1.28489399
5/1/11 15:29	1379.666382	-1.040435791	1812.869629	0.123730659	1813.952026	-1.525146484	1812.156616	0.045833588	1813.796875	-0.109968185	1813.329102	-1.291442871
5/1/11 15:39	1389.665039	-1.042657852	1812.867432	0.130167007	1813.958496	-1.531697273	1812.150024	0.043615341	1813.794678	-0.103531837	1813.335571	-1.285011292
5/1/11 15:49	1399.647217	-1.040552139	1812.869507	0.123618126	1813.951904	-1.529590607	1812.1521	0.037061691	1813.788086	-0.097097874	1813.342041	-1.282904625
5/1/11 15:59	1409.646118	-1.041606903	1812.867432	0.121511459	1813.958496	-1.536020279	1812.150024	0.039283752	1813.791382	-0.102479935	1813.335571	-1.288286209
5/1/11 16:09	1419.645264	-1.040552139	1812.869507	0.123618126	1813.960571	-1.525258064	1812.156494	0.045722961	1813.796753	-0.105757236	1813.333374	-1.278576851
5/1/11 16:19	1429.639771	-1.042772293	1812.86731	0.138707161	1813.949707	-1.518828392	1812.162842	0.043497086	1813.794556	-0.103651047	1813.335449	-1.285125732

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW49D_WLD	MW49D_WLE	MW50B_WLD	MW50B_WLE	MW50C_WLD	MW50C_WLE	MW50D_WLD	MW50D_WLE	MW51B_WLD	MW51B_WLE	MW51C_WLD
5/1/11 16:29	1439.636475	-1.040668488	1812.869385	0.132152557	1813.960449	-1.525379181	1812.156372	0.041273117	1813.792236	-0.10586977	1813.333252	-1.283020973
5/1/11 16:39	1449.648315	-1.043943405	1812.866211	0.111566544	1813.939941	-1.519995689	1812.161743	0.042325974	1813.793335	-0.109149456	1813.329956	-1.277641296
5/1/11 16:49	1459.631104	-1.043943405	1812.866211	0.128881454	1813.961548	-1.519995689	1812.157349	0.042325974	1813.793335	-0.113472462	1813.325684	-1.28196907
5/1/11 16:59	1469.628906	-1.038564682	1812.872559	0.121278763	1813.949585	-1.518942833	1812.162842	0.052038193	1813.803101	-0.103765488	1813.336426	-1.280916214
5/1/11 17:09	1479.625854	-1.041837692	1812.868286	0.11367321	1813.942017	-1.517889023	1812.163818	0.057415009	1813.808472	-0.111366272	1813.327759	-1.279862404
5/1/11 17:19	1489.62439	-1.033182144	1812.876953	0.11367321	1813.942017	-1.513566017	1812.168213	0.053091049	1813.804077	-0.111366272	1813.327759	-1.27553463
5/1/11 17:29	1499.62207	-1.029909134	1812.880127	0.121278763	1813.949585	-1.518942833	1812.162842	0.052038193	1813.803101	-0.116752625	1813.322388	-1.276589394
5/1/11 17:39	1509.622559	-1.02885437	1812.881226	0.122332573	1813.950684	-1.509233475	1812.172485	0.053091049	1813.804077	-0.115697861	1813.323364	-1.279862404
5/1/11 17:49	1519.621948	-1.02885437	1812.881226	0.11367321	1813.942017	-1.513566017	1812.168213	0.053091049	1813.804077	-0.115697861	1813.323364	-1.27553463
5/1/11 17:59	1529.623169	-1.036457062	1812.874756	0.115779877	1813.944092	-1.511459351	1812.170288	0.058467865	1813.809448	-0.114645958	1813.325562	-1.270154953
5/1/11 18:09	1539.619629	-1.038564682	1812.872559	0.095308304	1813.923706	-1.510288239	1812.171387	0.052038193	1813.803101	-0.116752625	1813.323364	-1.276589394
5/1/11 18:19	1549.622559	-1.035289764	1812.875854	0.090985298	1813.919312	-1.514619827	1812.167114	0.056360245	1813.807373	-0.122132301	1813.317993	-1.273313522
5/1/11 18:29	1559.610474	-1.026634216	1812.883423	0.120225906	1813.948608	-1.511340141	1812.17041	0.059640884	1813.810669	-0.126455307	1813.312622	-1.277641296
5/1/11 18:39	1569.606567	-1.029909134	1812.880127	0.095308304	1813.923706	-1.510288239	1812.171387	0.056360245	1813.807373	-0.125403404	1813.313721	-1.276589394
5/1/11 18:49	1579.605103	-1.034236908	1812.875854	0.121278763	1813.949585	-1.510288239	1812.171387	0.052038193	1813.803101	-0.125403404	1813.313721	-1.27226162
5/1/11 18:59	1589.605225	-1.022306442	1812.887817	0.094256401	1813.922607	-1.51567173	1812.166016	0.055309296	1813.806274	-0.122132301	1813.317017	-1.273313522
5/1/11 19:09	1599.606445	-1.027685165	1812.882446	0.093204498	1813.921509	-1.512392044	1812.169312	0.058588028	1813.80957	-0.127507687	1813.311646	-1.274365425
5/1/11 19:19	1609.600952	-1.019031525	1812.891113	0.093204498	1813.921509	-1.499408722	1812.182373	0.071567535	1813.822632	-0.118856907	1813.32019	-1.265710831
5/1/11 19:29	1619.597168	-1.027685165	1812.882446	0.093204498	1813.921509	-1.508065224	1812.173706	0.054256439	1813.805298	-0.127507687	1813.311646	-1.265710831
5/1/11 19:39	1629.599731	-1.028738022	1812.881348	0.096484184	1813.924805	-1.509117126	1812.172607	0.061859131	1813.812866	-0.128559589	1813.310547	-1.266762733
5/1/11 19:49	1639.591675	-1.038446426	1812.871704	0.099755287	1813.928101	-1.510169029	1812.171509	0.052152634	1813.803223	-0.129611969	1813.309448	-1.276470184
5/1/11 19:59	1649.584351	-1.035171509	1812.874878	0.094377518	1813.922729	-1.511223793	1812.170532	0.055429459	1813.806396	-0.134998322	1813.304077	-1.277524948
5/1/11 20:09	1659.59436	-1.028623581	1812.88147	0.100926399	1813.929321	-1.509002686	1812.172729	0.066301346	1813.817261	-0.141427994	1813.297729	-1.275303841
5/1/11 20:19	1669.585815	-1.022073746	1812.888062	0.094490051	1813.922852	-1.511106491	1812.170654	0.059869766	1813.810913	-0.134877205	1813.304199	-1.277407646
5/1/11 20:29	1679.580811	-1.025232315	1812.884888	0.092385292	1813.920776	-1.500228882	1812.181519	0.061038971	1813.812012	-0.129384995	1813.309692	-1.271911621
5/1/11 20:39	1689.576782	-1.02195549	1812.888184	0.094610214	1813.922974	-1.506667137	1812.175049	0.064313889	1813.815308	-0.134765148	1813.304321	-1.277291298
5/1/11 20:49	1699.577759	-1.01868248	1812.891357	0.089223862	1813.917603	-1.507720947	1812.17395	0.063259125	1813.814209	-0.131491661	1813.307617	-1.269690514
5/1/11 20:59	1709.586304	-1.020788193	1812.889282	0.091451645	1813.9198	-1.501171112	1812.180542	0.065486908	1813.816528	-0.137923717	1813.301147	-1.271795273
5/1/11 21:09	1719.581299	-1.019618988	1812.890503	0.093670845	1813.920898	-1.498943329	1812.181763	0.067705154	1813.818726	-0.13675499	1813.302368	-1.270626068
5/1/11 21:19	1729.581055	-1.017393112	1812.8927	0.099169731	1813.92749	-1.506436348	1812.175293	0.064544678	1813.815552	-0.134529591	1813.304565	-1.277060509
5/1/11 21:29	1739.563477	-1.020549774	1812.890625	0.10572052	1813.934082	-1.504208565	1812.17749	0.065719604	1813.816772	-0.137685776	1813.30249	-1.280216217
5/1/11 21:39	1749.560181	-1.015054703	1812.89502	0.08852005	1813.91687	-1.499765396	1812.182007	0.062559128	1813.813599	-0.140846729	1813.298218	-1.279049873
5/1/11 21:49	1759.557617	-1.018211365	1812.891846	0.102673531	1813.93103	-1.502923012	1812.178833	0.063726425	1813.814697	-0.144003391	1813.295044	-1.273550987
5/1/11 21:59	1769.557129	-1.014940262	1812.895142	0.114608765	1813.942993	-1.499647141	1812.182129	0.062673569	1813.813721	-0.140732288	1813.29834	-1.278931618
5/1/11 22:09	1779.554077	-1.017047882	1812.893066	0.095191956	1813.923584	-1.506081581	1812.179932	0.060567856	1813.811523	-0.142838955	1813.296265	-1.281037331
5/1/11 22:19	1789.557861	-1.023477554	1812.887695	0.098463058	1813.926758	-1.50280571	1812.178955	0.063846588	1813.814819	-0.144945621	1813.295166	-1.278816223
5/1/11 22:29	1799.557373	-1.019153595	1812.890991	0.097408295	1813.925781	-1.508188248	1812.173584	0.062791824	1813.813843	-0.131958485	1813.307129	-1.278816223
5/1/11 22:39	1809.55481	-1.020206451	1812.889893	0.109343529	1813.937744	-1.504912376	1812.176758	0.053085327	1813.804077	-0.12868309	1813.310425	-1.27986908
5/1/11 22:49	1819.551758	-1.021259308	1812.888794	0.095304489	1813.923706	-1.497308731	1812.184448	0.065011978	1813.811646	-0.125407696	1813.313721	-1.276593208
5/1/11 22:59	1829.546509	-1.022310257	1812.887817	0.120222092	1813.948608	-1.507017136	1812.174683	0.059635162	1813.810669	-0.130787373	1813.30835	-1.281972885
5/1/11 23:09	1839.539307	-1.020082474	1812.890015	0.113789558	1813.942139	-1.504794121	1812.17688	0.057531357	1813.808594	-0.128564358	1813.310547	-1.27974987
5/1/11 23:19	1849.550415	-1.025468826	1812.884644	0.117062569	1813.945435	-1.501520157	1812.180176	0.052145004	1813.803223	-0.133945942	1813.305176	-1.280804634
5/1/11 23:29	1859.549072	-1.022190094	1812.892212	0.085718155	1813.914063	-1.506900787	1812.174805	0.055425644	1813.806396	-0.12634325	1813.312744	-1.281856537
5/1/11 23:39	1869.531494	-1.023244858	1812.886841	0.114956856	1813.943359	-1.503626823	1812.178101	0.058694839	1813.809692	-0.127397537	1813.311768	-1.278583527
5/1/11 23:49	1879.530762	-1.018920898	1812.891113	0.114956856	1813.943359	-1.503626823	1812.178101	0.063026428	1813.814087	-0.131725311	1813.307373	-1.282911301
5/1/11 23:59	1889.539551	-1.014593124	1812.891113	0.119283676	1813.947632	-1.499294281	1812.182373	0.063026428	1813.814087	-0.123069763	1813.31604	-1.278583527
5/2/11 0:09	1899.542114	-1.021024704	1812.889038	0.112852097	1813.941162	-1.501399994	1812.180298	0.065248489	1813.816284	-0.120846748	1813.313965	-1.272032738
5/2/11 0:19	1909.532227	-1.017749786	1812.892334	0.10747242	1813.935791	-1.498128891	1812.183594	0.06419754	1813.815186	-0.117571354	1813.321533	-1.273084641

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW49D_WLD	MW49D_WLE	MW50B_WLD	MW50B_WLE	MW50C_WLD	MW50C_WLE	MW50D_WLD	MW50D_WLE	MW51B_WLD	MW51B_WLE	MW51C_WLD
5/2/11 0:29	1919.529785	-1.018802643	1812.891357	0.106420517	1813.934814	-1.49917984	1812.182495	0.063144684	1813.814209	-0.114295959	1813.324829	-1.269804955
5/2/11 0:39	1929.521362	-1.016576767	1812.893555	0.112968445	1813.941284	-1.488304138	1812.193359	0.069692612	1813.820679	-0.120729923	1813.318359	-1.271911621
5/2/11 0:49	1939.518555	-1.013307571	1812.896729	0.129224777	1813.95752	-1.498008728	1812.183716	0.072967529	1813.823975	-0.117456913	1813.321655	-1.268642426
5/2/11 0:59	1949.516357	-1.014360428	1812.90332	0.132499695	1813.959839	-1.490411758	1812.190308	0.076242447	1813.827271	-0.118508816	1813.31958	-1.26536274
5/2/11 1:09	1959.508789	-1.011079788	1812.899048	0.131447792	1813.959839	-1.491462708	1812.190308	0.07518959	1813.826172	-0.115233421	1813.323853	-1.270747185
5/2/11 1:19	1969.519775	-1.012132645	1812.902344	0.108757973	1813.937134	-1.48818779	1812.193481	0.082792282	1813.83374	-0.111958027	1813.327148	-1.267467499
5/2/11 1:29	1979.518677	-1.003477097	1812.902344	0.130395889	1813.95874	-1.48818779	1812.193481	0.074136734	1813.825195	-0.116285801	1813.322754	-1.258811951
5/2/11 1:39	1989.518921	-1.003477097	1812.902344	0.126068115	1813.954468	-1.483860016	1812.197876	0.078464508	1813.829468	-0.10763073	1813.327148	-1.263144493
5/2/11 1:49	1999.516846	-0.999149323	1812.906616	0.130395889	1813.95874	-1.479528427	1812.202148	0.082792282	1813.83374	-0.10763073	1813.327148	-1.263144493
5/2/11 1:59	2009.499146	-1.003477097	1812.902344	0.130395889	1813.95874	-1.475204468	1812.206543	0.088172913	1813.839233	-0.103302956	1813.335815	-1.254488945
5/2/11 2:09	2019.507568	-0.998096466	1812.911987	0.127120018	1813.955444	-1.478475571	1812.203247	0.088172913	1813.839233	-0.102251053	1813.33252	-1.253437042
5/2/11 2:19	2029.502441	-0.992717743	1812.913086	0.128172874	1813.956543	-1.473100662	1812.208618	0.093551636	1813.844604	-0.096870899	1813.337891	-1.252384186
5/2/11 2:29	2039.500854	-0.997045517	1812.917358	0.128172874	1813.956543	-1.468769073	1812.212891	0.093551636	1813.844604	-0.101198673	1813.337891	-1.252384186
5/2/11 2:39	2049.498047	-0.989442825	1812.920654	0.131447792	1813.959839	-1.465497971	1812.216187	0.088172913	1813.839233	-0.102251053	1813.336914	-1.2491045
5/2/11 2:49	2059.484375	-0.979734421	1812.93042	0.132499695	1813.960815	-1.464445114	1812.217285	0.106534958	1813.857544	-0.101198673	1813.337891	-1.243724823
5/2/11 2:59	2069.48291	-0.975406647	1812.934692	0.128172874	1813.956543	-1.464445114	1812.217285	0.102207184	1813.853271	-0.101198673	1813.337891	-1.239397049
5/2/11 3:09	2079.496338	-0.971078873	1812.938965	0.132499695	1813.960815	-1.460113525	1812.221558	0.119522095	1813.870483	-0.096870899	1813.337891	-1.235070229
5/2/11 3:19	2089.478027	-0.967803955	1812.942261	0.131447792	1813.959839	-1.456842422	1812.224854	0.11413765	1813.865112	-0.102251053	1813.336914	-1.231799126
5/2/11 3:29	2099.477783	-0.96663475	1812.947754	0.123961449	1813.952271	-1.455669403	1812.226074	0.119634628	1813.870605	-0.101081848	1813.338013	-1.234957695
5/2/11 3:39	2109.487549	-0.96979332	1812.948975	0.142445564	1813.970825	-1.454500198	1812.227173	0.1121521	1813.863159	-0.104240894	1813.334839	-1.238116264
5/2/11 3:49	2119.486084	-0.964296341	1812.945801	0.147943497	1813.971924	-1.449001312	1812.232666	0.117650986	1813.868652	-0.103069782	1813.33606	-1.232617378
5/2/11 3:59	2129.496338	-0.960905075	1812.949219	0.108053207	1813.936401	-1.445611954	1812.236084	0.121040344	1813.87207	-0.099675655	1813.339478	-1.229223251
5/2/11 4:09	2139.475342	-0.956577301	1812.957886	0.138346672	1813.966675	-1.449943542	1812.231812	0.125368118	1813.876343	-0.108335018	1813.330811	-1.220567703
5/2/11 4:19	2149.474121	-0.958683014	1812.951416	0.123259544	1813.95166	-1.447715759	1812.234009	0.123264313	1813.874268	-0.101779938	1813.341675	-1.222672462
5/2/11 4:29	2159.470703	-0.963947296	1812.949463	0.135309219	1813.963623	-1.444326401	1812.237427	0.126653671	1813.877686	-0.115704536	1813.32666	-1.223609924
5/2/11 4:39	2169.468018	-0.955291748	1812.950439	0.130976677	1813.959351	-1.439998627	1812.241699	0.135309219	1813.886353	-0.115704536	1813.327759	-1.223609924
5/2/11 4:49	2179.46875	-0.956344604	1812.953735	0.142911911	1813.971313	-1.436723709	1812.244995	0.134256363	1813.885254	-0.116756916	1813.322388	-1.220335007
5/2/11 4:59	2189.466309	-0.952013016	1812.95813	0.134256363	1813.962646	-1.436723709	1812.244995	0.129924774	1813.880981	-0.103774071	1813.335327	-1.224662781
5/2/11 5:09	2199.45874	-0.948741913	1812.961304	0.128872871	1813.957275	-1.437776566	1812.243896	0.133205414	1813.884277	-0.10482645	1813.338623	-1.217055321
5/2/11 5:19	2209.455322	-0.947570801	1812.962524	0.125711441	1813.954102	-1.432281494	1812.24939	0.134366989	1813.885376	-0.103655338	1813.331055	-1.215892792
5/2/11 5:29	2219.459473	-0.944299698	1812.96582	0.124659538	1813.953003	-1.429006577	1812.252686	0.13331604	1813.884277	-0.109039307	1813.330078	-1.212613106
5/2/11 5:39	2229.449707	-0.948623657	1812.961426	0.150629044	1813.979004	-1.429006577	1812.252686	0.13331604	1813.884277	-0.100384235	1813.334351	-1.2082901
5/2/11 5:49	2239.445801	-0.944299698	1812.96582	0.141969681	1813.970337	-1.433334351	1812.248413	0.13331604	1813.884277	-0.100384235	1813.343018	-1.212613106
5/2/11 5:59	2249.452881	-0.938915253	1812.971191	0.147354126	1813.975708	-1.42795372	1812.253784	0.143026352	1813.894043	-0.095000267	1813.344116	-1.211561203
5/2/11 6:09	2259.451416	-0.935640335	1812.974487	0.124659538	1813.953003	-1.433334351	1812.248413	0.141975403	1813.892944	-0.09605217	1813.343018	-1.2082901
5/2/11 6:19	2269.447021	-0.934587479	1812.975464	0.147354126	1813.975708	-1.423622131	1812.258057	0.147354126	1813.898315	-0.090676785	1813.348389	-1.202910423
5/2/11 6:29	2279.442139	-0.935640335	1812.974487	0.146302223	1813.974609	-1.42467308	1812.25708	0.150629044	1813.901611	-0.087397099	1813.351685	-1.203962326
5/2/11 6:39	2289.440186	-0.934469223	1812.975586	0.143145561	1813.971436	-1.419176102	1812.262573	0.147472382	1813.898438	-0.103540897	1813.335571	-1.207118988
5/2/11 6:49	2299.436523	-0.92792511	1812.982178	0.141038895	1813.965088	-1.416957855	1812.264771	0.154022217	1813.905029	-0.096992016	1813.342163	-1.196238518
5/2/11 6:59	2309.432129	-0.934354782	1812.975708	0.147586823	1813.975952	-1.427721024	1812.254028	0.14758873	1813.89856	-0.103421688	1813.335693	-1.202676773
5/2/11 7:09	2319.422119	-0.942893982	1812.971558	0.130389214	1813.95874	-1.418949127	1812.262817	0.143377304	1813.894409	-0.090322495	1813.348755	-1.198232651
5/2/11 7:19	2329.419678	-0.940671921	1812.972656	0.128282547	1813.956665	-1.42105484	1812.26062	0.15320015	1813.904175	-0.096756458	1813.345581	-1.204662323
5/2/11 7:29	2339.431396	-0.939386368	1812.975098	0.138227463	1813.966553	-1.415437698	1812.266235	0.142555237	1813.893555	-0.108453751	1813.330688	-1.199053764
5/2/11 7:39	2349.41333	-0.93821907	1812.971924	0.143726349	1813.972046	-1.422925949	1812.258789	0.143726349	1813.894775	-0.107282639	1813.331787	-1.206533432
5/2/11 7:49	2359.411865	-0.939271927	1812.969727	0.138341904	1813.966675	-1.423978806	1812.25769	0.1426754	1813.893677	-0.108335018	1813.333984	-1.203262329
5/2/11 7:59	2369.42627	-0.946756363	1812.963379	0.131912231	1813.960205	-1.426084518	1812.255615	0.139513016	1813.890503	-0.107168198	1813.336304	-1.202091217
5/2/11 8:09	2379.420898	-0.948860168	1812.961182	0.124425888	1813.952759	-1.424911499	1812.256836	0.133081436	1813.884033	-0.096290112	1813.342773	-1.204195976
5/2/11 8:19	2389.417236	-0.947696686	1812.966797	0.134249687	1813.962646	-1.428070068	1812.253662	0.138578415	1813.889648	-0.103780746	1813.335327	-1.20303154

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW49D_WLD	MW49D_WLE	MW50B_WLD	MW50B_WLE	MW50C_WLD	MW50C_WLE	MW50D_WLD	MW50D_WLE	MW51B_WLD	MW51B_WLE	MW51C_WLD
5/2/11 8:29	2399.406738	-0.944416046	1812.965698	0.12454319	1813.952881	-1.429122925	1812.252563	0.133197784	1813.884155	-0.091845512	1813.34729	-1.204083443
5/2/11 8:39	2409.401611	-0.945352554	1812.964722	0.145245552	1813.973633	-1.430063248	1812.251709	0.140918732	1813.891968	-0.097108841	1813.342041	-1.205014229
5/2/11 8:49	2419.400879	-0.948511124	1812.960571	0.141032219	1813.96936	-1.434276581	1812.247437	0.133432388	1813.884399	-0.091612339	1813.346436	-1.208172798
5/2/11 8:59	2429.402588	-0.954944611	1812.9552	0.139980316	1813.968262	-1.439651489	1812.242065	0.126996994	1813.878052	-0.09804678	1813.341064	-1.214612007
5/2/11 9:09	2439.40332	-0.960329056	1812.949707	0.130272865	1813.958618	-1.436380386	1812.245361	0.121618271	1813.872681	-0.094770908	1813.34436	-1.219986916
5/2/11 9:19	2449.401367	-0.957048416	1812.953003	0.133547783	1813.961914	-1.437431335	1812.244263	0.124893188	1813.875854	-0.100151062	1813.338989	-1.212384224
5/2/11 9:29	2459.397217	-0.954828262	1812.955322	0.140096664	1813.968506	-1.435207367	1812.24646	0.122787476	1813.873779	-0.084947109	1813.354126	-1.218822479
5/2/11 9:39	2469.395752	-0.957986832	1812.952148	0.158579826	1813.986938	-1.438365936	1812.243408	0.123954773	1813.875	-0.088105679	1813.350952	-1.21764946
5/2/11 9:49	2479.39209	-0.960090637	1812.949951	0.290635109	1814.144897	-1.43614769	1812.249878	0.126178741	1813.877197	-0.085878372	1813.353271	-1.219753265
5/2/11 9:59	2489.388672	-0.961143494	1812.948975	0.14676857	1813.975098	-1.441522598	1812.240234	0.120798111	1813.871826	-0.086930275	1813.3479	-1.220806122
5/2/11 10:09	2499.385254	-0.952487946	1812.957642	0.298238754	1814.126587	-1.437198639	1812.244507	0.120798111	1813.871826	-0.086930275	1813.352173	-1.216478348
5/2/11 10:19	2509.378174	-0.965471268	1812.945679	0.168401718	1813.996704	-1.437198639	1812.244507	0.125125885	1813.876099	-0.073952198	1813.366211	-1.212150574
5/2/11 10:29	2519.37793	-0.958921432	1812.951172	0.170622826	1813.994629	-1.443628311	1812.238037	0.118692398	1813.869751	-0.084713936	1813.35437	-1.222912788
5/2/11 10:39	2529.375244	-0.959976196	1812.950073	0.165241241	1813.993652	-1.436027527	1812.245728	0.117637634	1813.868652	-0.081436157	1813.357666	-1.215312004
5/2/11 10:49	2539.369141	-0.965356827	1812.944702	0.159861565	1813.988159	-1.437080383	1812.244629	0.116586685	1813.867554	-0.082488537	1813.356567	-1.216363907
5/2/11 10:59	2549.376465	-0.955648422	1812.954468	0.160913467	1813.989258	-1.444683075	1812.237061	0.126293182	1813.877319	-0.068457603	1813.370605	-1.219638824
5/2/11 11:09	2559.382324	-0.961029053	1812.950073	0.168516159	1813.996826	-1.441411972	1812.244629	0.116586685	1813.867554	-0.069509983	1813.370605	-1.220691681
5/2/11 11:19	2569.375244	-0.965356827	1812.944702	0.328645706	1814.156982	-1.437080383	1812.244629	0.125240326	1813.876221	-0.06085062	1813.378296	-1.216363907
5/2/11 11:29	2579.378662	-0.962081909	1812.947998	0.155533791	1813.983887	-1.445735931	1812.235962	0.120912552	1813.871948	-0.066234589	1813.372925	-1.21741581
5/2/11 11:39	2589.356445	-0.962081909	1812.947998	0.154481888	1813.991455	-1.442464828	1812.239258	0.124189377	1813.875244	-0.061902523	1813.377197	-1.213088036
5/2/11 11:49	2599.36792	-0.961029053	1812.950073	0.319991112	1814.148315	-1.441411972	1812.240356	0.120912552	1813.871948	-0.06085062	1813.379272	-1.207713127
5/2/11 11:59	2609.36499	-0.952373505	1812.957764	0.155533791	1813.983887	-1.437080383	1812.244629	0.120912552	1813.871948	-0.065182209	1813.373901	-1.207713127
5/2/11 12:09	2619.362305	-0.965356827	1812.944702	0.156585693	1814.009888	-1.440359116	1812.240356	0.117637634	1813.867554	-0.06085062	1813.378296	-1.212036133
5/2/11 12:19	2629.360352	-0.956701279	1812.954468	0.190158844	1814.018555	-1.437080383	1812.244629	0.125240326	1813.876221	-0.065182209	1813.375	-1.212036133
5/2/11 12:29	2639.361328	-0.956701279	1812.953369	0.186879158	1814.015259	-1.436027527	1812.245728	0.126293182	1813.877319	-0.06085062	1813.378296	-1.207713127
5/2/11 12:39	2649.344482	-0.953542709	1812.956543	0.188985825	1814.017334	-1.429597855	1812.252075	0.128398895	1813.879395	-0.057691574	1813.381348	-1.208877563
5/2/11 12:49	2659.339355	-0.957870483	1812.953247	0.185716629	1814.014038	-1.428543091	1812.253174	0.128398895	1813.879395	-0.057691574	1813.382446	-1.204554558
5/2/11 12:59	2669.335938	-0.953542709	1812.956543	0.188985825	1814.017334	-1.429597855	1812.252075	0.132726669	1813.883789	-0.06202364	1813.377075	-1.204554558
5/2/11 13:09	2679.333984	-0.951435089	1812.957642	0.325256348	1814.014038	-1.431814194	1812.249878	0.13483429	1813.885864	-0.059916973	1813.378174	-1.206770897
5/2/11 13:19	2689.345459	-0.95038414	1812.959717	0.356601715	1814.184937	-1.430763245	1812.250977	0.131559372	1813.882568	-0.063192368	1813.375854	-1.205718994
5/2/11 13:29	2699.345703	-0.95038414	1812.960815	0.183488846	1814.011841	-1.430763245	1812.250977	0.132610321	1813.882568	-0.063192368	1813.376953	-1.210046768
5/2/11 13:39	2709.337891	-0.955881119	1812.954224	0.190979958	1814.019287	-1.427604675	1812.25415	0.130390167	1813.881348	-0.060033798	1813.379028	-1.206887245
5/2/11 13:49	2719.338135	-0.950500488	1812.960693	0.188754082	1814.01709	-1.425497055	1812.256226	0.136823654	1813.887817	-0.067636967	1813.372559	-1.201507568
5/2/11 13:59	2729.335693	-0.952720642	1812.957397	0.323970795	1814.152344	-1.424444199	1812.257324	0.133548737	1813.884521	-0.061202526	1813.37793	-1.199400902
5/2/11 14:09	2739.329102	-0.950616837	1812.959473	0.3260746	1814.154419	-1.422340393	1812.259399	0.135652542	1813.886719	-0.05477047	1813.384277	-1.197297096
5/2/11 14:19	2749.330811	-0.949565887	1812.959473	0.357419968	1814.184692	-1.421289444	1812.259399	0.135652542	1813.886719	-0.058045864	1813.380005	-1.204899788
5/2/11 14:29	2759.324219	-0.945238113	1812.964844	0.361747742	1814.190063	-1.416965485	1812.264771	0.136705399	1813.887695	-0.066696644	1813.372437	-1.200572014
5/2/11 14:39	2769.327148	-0.946403503	1812.963745	0.356253624	1814.18457	-1.413805008	1812.267944	0.139865875	1813.890869	-0.054884911	1813.384277	-1.193083763
5/2/11 14:49	2779.323975	-0.93564415	1812.974487	0.35835743	1814.186768	-1.416023254	1812.265747	0.150625229	1813.901611	-0.061431408	1813.377686	-1.195306778
5/2/11 14:59	2789.320557	-0.943246841	1812.966797	0.194957733	1814.023315	-1.414970398	1812.266724	0.138694763	1813.889648	-0.060379505	1813.378662	-1.194254875
5/2/11 15:09	2799.305176	-0.941143036	1812.967896	0.188402176	1814.037354	-1.412866592	1812.263428	0.145126343	1813.896118	-0.062606812	1813.375488	-1.192150116
5/2/11 15:19	2809.324219	-0.935760498	1812.973267	0.206770897	1814.035156	-1.411811829	1812.269897	0.150508881	1813.901489	-0.057220459	1813.380859	-1.186768532
5/2/11 15:29	2819.321045	-0.927223206	1812.981812	0.344089508	1814.172485	-1.404331207	1812.277344	0.15366745	1813.904663	-0.061665058	1813.376343	-1.18255806
5/2/11 15:39	2829.304688	-0.934825897	1812.97522	0.346194267	1814.174561	-1.410881042	1812.270874	0.151443481	1813.89917	-0.060612679	1813.37854	-1.181505203
5/2/11 15:49	2839.297363	-0.927339554	1812.982788	0.349352837	1814.147461	-1.412046432	1812.274048	0.154603958	1813.90564	-0.061786175	1813.377319	-1.182674408
5/2/11 15:59	2849.302002	-0.931667328	1812.978394	0.190278053	1814.017578	-1.402336121	1812.27832	0.151329041	1813.901245	-0.057454109	1813.381592	-1.178346634
5/2/11 16:09	2859.29541	-0.927339554	1812.982788	0.189223289	1814.017578	-1.407722473	1812.274048	0.154603958	1813.90564	-0.070441246	1813.368652	-1.178346634
5/2/11 16:19	2869.293457	-0.927339554	1812.982788	0.193551064	1814.021851	-1.403390884	1812.27832	0.158929825	1813.909912	-0.066113472	1813.373047	-1.178346634

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW49D_WLD	MW49D_WLE	MW50B_WLD	MW50B_WLE	MW50C_WLD	MW50C_WLE	MW50D_WLD	MW50D_WLE	MW51B_WLD	MW51B_WLE	MW51C_WLD
5/2/11 16:29	2879.296631	-0.923128128	1812.985962	0.171795845	1814.000122	-1.394855499	1812.286865	0.158813477	1813.90979	-0.061902523	1813.376099	-1.174135208
5/2/11 16:30	2879.983643	-0.927455902	1812.982666	0.176123619	1814.004517	-1.394855499	1812.286865	0.163141251	1813.914185	-0.057575226	1813.381592	-1.16547966
5/2/11 16:30	2880.150391	-0.925231934	1812.984863	0.19565773	1814.024048	-1.401283264	1812.280396	0.161037445	1813.912109	-0.059679508	1813.379395	-1.171916962
5/2/11 16:30	2880.317627	-0.916578293	1813.002197	0.169692039	1813.998047	-1.383974075	1812.297729	0.156709671	1813.907715	-0.055347443	1813.383789	-1.176240921
5/2/11 16:30	2880.48584	-0.877624512	1813.032471	0.169692039	1813.998047	-1.34935379	1812.332397	0.156709671	1813.907715	-0.051024437	1813.388062	-1.171916962
5/2/11 16:30	2880.652588	-0.81703949	1813.093018	0.191329956	1814.019653	-1.319055557	1812.362671	0.156709671	1813.907715	-0.042368889	1813.401123	-1.171916962
5/2/11 16:31	2880.820313	-0.773763657	1813.136353	0.169692039	1813.998047	-1.275779724	1812.427612	0.161037445	1813.912109	-0.02938652	1813.409668	-1.167585373
5/2/11 16:31	2880.987305	-0.73913765	1813.192627	0.19565773	1814.024048	-1.206533432	1812.47522	0.161037445	1813.912109	-0.016398907	1813.427002	-1.158929825
5/2/11 16:31	2881.154541	-0.673168182	1813.23584	0.196709633	1813.993652	-1.157878876	1812.548706	0.170743942	1813.921753	-0.011023521	1813.427002	-1.153549194
5/2/11 16:31	2881.322754	-0.626615524	1813.284546	0.18700695	1814.015381	-1.089689255	1812.592041	0.165365219	1813.916382	-0.00342083	1813.436768	-1.150274277
5/2/11 16:31	2881.489746	-0.591995239	1813.318115	0.169692039	1813.999146	-1.042081833	1812.662354	0.165365219	1813.916382	0.00523901	1813.444336	-1.141618729
5/2/11 16:31	2881.656982	-0.544387817	1813.365723	0.169692039	1813.998047	-0.97716713	1812.70459	0.161037445	1813.912109	0.00523901	1813.444336	-1.128637314
5/2/11 16:32	2881.825195	-0.505439758	1813.405762	0.170743942	1813.999146	-0.915523529	1812.766235	0.169692993	1813.920654	0.013894081	1813.454102	-1.119981766
5/2/11 16:32	2881.992432	-0.482749939	1813.440308	0.188058853	1814.016357	-0.876571655	1812.805176	0.166416168	1813.91748	0.027924538	1813.467041	-1.101613998
5/2/11 16:32	2882.159912	-0.443799973	1813.46521	0.192381859	1814.020752	-0.8203125	1812.86145	0.170743942	1813.921753	0.027924538	1813.465942	-1.097291946
5/2/11 16:32	2882.326904	-0.404851913	1813.50415	0.175071716	1814.003418	-0.794347763	1812.887329	0.175071716	1813.926025	0.045239449	1813.483276	-1.088636398
5/2/11 16:32	2882.494141	-0.379934311	1813.53125	0.166416168	1813.994751	-0.746740341	1812.934937	0.174020767	1813.925049	0.044187069	1813.484375	-1.076702118
5/2/11 16:32	2882.661865	-0.361572266	1813.547485	0.170743942	1813.999146	-0.720773697	1812.978271	0.175071716	1813.926025	0.049566746	1813.491943	-1.066993713
5/2/11 16:33	2882.829346	-0.326948166	1813.58313	0.170743942	1813.999146	-0.686153412	1812.995605	0.175071716	1813.926025	0.05389452	1813.493042	-1.058338165
5/2/11 16:33	2882.996582	-0.305309296	1813.604736	0.166416168	1813.993652	-0.655855179	1813.02478	0.179403305	1813.93042	0.05389452	1813.493042	-1.036701202
5/2/11 16:33	2883.163818	-0.287998199	1813.62207	0.166416168	1813.994751	-0.629894257	1813.05188	0.183727264	1813.934692	0.05389452	1813.493042	-1.032373428
5/2/11 16:33	2883.331543	-0.258758545	1813.652344	0.170743942	1813.999146	-0.608253479	1813.073486	0.191329956	1813.942383	0.061497211	1813.501709	-1.020442963
5/2/11 16:33	2883.499268	-0.24905014	1813.661011	0.192381859	1814.020752	-0.573631287	1813.108154	0.188058853	1813.939087	0.062549591	1813.501709	-1.006406784
5/2/11 16:33	2883.666992	-0.231740952	1813.687012	0.166416168	1813.994751	-0.551990509	1813.129761	0.179403305	1813.93042	0.062549591	1813.501709	-0.993419647
5/2/11 16:34	2883.834717	-0.214426041	1813.695679	0.170743942	1813.999146	-0.534679413	1813.147095	0.179403305	1813.93042	0.066881657	1813.505981	-0.980438232
5/2/11 16:34	2884.001953	-0.197114944	1813.713013	0.170743942	1813.999146	-0.526023865	1813.155762	0.192382813	1813.943359	0.075532436	1813.514648	-0.963127136
5/2/11 16:34	2884.168701	-0.179805756	1813.730347	0.170743942	1813.999146	-0.500059128	1813.181641	0.201038361	1813.952026	0.079859734	1813.518921	-0.963127136
5/2/11 16:34	2884.336182	-0.162494659	1813.747559	0.170743942	1813.999146	-0.482748032	1813.198975	0.201038361	1813.952026	0.075532436	1813.514648	-0.941490173
5/2/11 16:34	2884.503662	-0.158166885	1813.751953	0.175071716	1814.003418	-0.456783295	1813.224976	0.188058853	1813.939087	0.079859734	1813.518921	-0.932834625
5/2/11 16:34	2884.671631	-0.140855789	1813.769287	0.170743942	1813.999146	-0.448123932	1813.233643	0.201038361	1813.952026	0.079859734	1813.518921	-0.919851303
5/2/11 16:35	2884.839844	-0.136529922	1813.77356	0.170743942	1813.999146	-0.426488876	1813.255249	0.196714401	1813.947754	0.084187508	1813.523315	-0.911195755
5/2/11 16:35	2884.990479	-0.119218826	1813.790894	0.175071716	1814.003418	-0.422157288	1813.259521	0.201038361	1813.952026	0.084187508	1813.523315	-0.893886566
5/2/11 16:35	2885.157959	-0.114887238	1813.795166	0.166416168	1813.994751	-0.404851913	1813.276855	0.201038361	1813.952026	0.088519573	1813.527588	-0.889554977
5/2/11 16:35	2885.326172	-0.101903915	1813.808228	0.170743942	1813.999146	-0.391864777	1813.289795	0.205366135	1813.956421	0.088519573	1813.531982	-0.87657547
5/2/11 16:35	2885.493652	-0.093248367	1813.816895	0.175071716	1814.003418	-0.378881454	1813.302856	0.205366135	1813.956421	0.092842579	1813.531982	-0.859260559
5/2/11 16:35	2885.661133	-0.084592819	1813.825562	0.175071716	1814.003418	-0.35723877	1813.324463	0.214019775	1813.965088	0.088519573	1813.527588	-0.850605011
5/2/11 16:36	2885.829102	-0.075939178	1813.834106	0.175071716	1814.003418	-0.352916718	1813.328857	0.201038361	1813.952026	0.092842579	1813.531982	-0.837623596
5/2/11 16:36	2885.997314	-0.071611404	1813.838501	0.175071716	1814.003418	-0.339933395	1813.341797	0.209697723	1813.960693	0.092842579	1813.531982	-0.824640274
5/2/11 16:36	2886.164795	-0.058628082	1813.85144	0.175071716	1814.003418	-0.335601807	1813.346069	0.205366135	1813.956421	0.097174644	1813.536255	-0.815984726
5/2/11 16:36	2886.332275	-0.054300308	1813.855835	0.170743942	1813.999146	-0.331277847	1813.350464	0.209697723	1813.960693	0.097174644	1813.536255	-0.807329178
5/2/11 16:36	2886.5	-0.049972534	1813.864502	0.170743942	1813.999146	-0.305307388	1813.376465	0.218353271	1813.96936	0.097174644	1813.536255	-0.794347763
5/2/11 16:36	2886.666992	-0.041316986	1813.868774	0.175071716	1814.003418	-0.300981522	1813.380737	0.222675323	1813.973633	0.101498127	1813.540649	-0.7856884
5/2/11 16:37	2886.834473	-0.032663345	1813.877441	0.170743942	1813.999146	-0.300981522	1813.380737	0.218353271	1813.96936	0.101498127	1813.540649	-0.772708893
5/2/11 16:37	2887.001465	-0.024007797	1813.886108	0.175071716	1814.003418	-0.275014877	1813.406738	0.214019775	1813.965088	0.097174644	1813.536255	-0.759721756
5/2/11 16:37	2887.168457	-0.019676208	1813.890381	0.188058853	1814.016357	-0.279342651	1813.402344	0.222675323	1813.973633	0.101498127	1813.540649	-0.755393982
5/2/11 16:37	2887.336426	-0.01102066	1813.899048	0.175071716	1814.025024	-0.275014877	1813.432617	0.222675323	1813.973633	0.097174644	1813.536255	-0.738084793
5/2/11 16:37	2887.503662	-0.006696701	1813.904419	0.188058853	1814.017456	-0.24905014	1813.433716	0.231334686	1813.9823	0.092842579	1813.532959	-0.733760834
5/2/11 16:37	2887.670654	0.001958847	1813.913086	0.175071716	1814.008789	-0.240394592	1813.442383	0.222675323	1813.973633	0.097174644	1813.537354	-0.720773697

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW49D_WLD	MW49D_WLE	MW50B_WLD	MW50B_WLE	MW50C_WLD	MW50C_WLE	MW50D_WLD	MW50D_WLE	MW51B_WLD	MW51B_WLE	MW51C_WLD
5/2/11 16:38	2887.838623	0.001958847	1813.912109	0.175071716	1814.003418	-0.231739044	1813.449951	0.231334686	1813.9823	0.097174644	1813.536255	-0.712118149
5/2/11 16:38	2888.005615	0.01061821	1813.920654	0.175071716	1814.003418	-0.223079681	1813.458618	0.231334686	1813.9823	0.101498127	1813.540649	-0.694803238
5/2/11 16:38	2888.172607	0.014940262	1813.925049	0.179403305	1814.007813	-0.214424133	1813.467285	0.23566246	1813.986694	0.101498127	1813.540649	-0.690481186
5/2/11 16:38	2888.340088	0.019273758	1813.929321	0.183727264	1814.012085	-0.218755722	1813.463013	0.23566246	1813.986694	0.110153198	1813.549316	-0.677497864
5/2/11 16:38	2888.507813	0.02359581	1813.937988	0.175071716	1814.003418	-0.218755722	1813.463013	0.239990234	1813.990967	0.110153198	1813.544922	-0.673166275
5/2/11 16:38	2888.675293	0.027927399	1813.937988	0.175071716	1814.003418	-0.214424133	1813.467285	0.239990234	1813.990967	0.101498127	1813.540649	-0.660186768
5/2/11 16:39	2888.843018	0.032255173	1813.942383	0.179403305	1814.007813	-0.201446533	1813.480225	0.227006912	1813.978027	0.101498127	1813.540649	-0.651533127
5/2/11 16:39	2889.01123	0.036582947	1813.946655	0.179403305	1814.007813	-0.188459396	1813.493286	0.23566246	1813.986694	0.101498127	1813.540649	-0.63854599
5/2/11 16:39	2889.162354	0.036582947	1813.945679	0.183727264	1814.012085	-0.184131622	1813.497559	0.239990234	1813.990967	0.105829716	1813.543945	-0.629894257
5/2/11 16:39	2889.32959	0.045238495	1813.955322	0.179403305	1814.007813	-0.175476074	1813.506226	0.244318008	1813.995361	0.105829716	1813.544922	-0.621238708
5/2/11 16:39	2889.49707	0.048513412	1813.959717	0.205365181	1814.033691	-0.162492752	1813.519287	0.234611511	1813.985596	0.104777813	1813.544922	-0.617959976
5/2/11 16:39	2889.664307	0.053894043	1813.963989	0.183727264	1814.012085	-0.162492752	1813.519287	0.231334686	1813.9823	0.114485264	1813.553589	-0.599596024
5/2/11 16:40	2889.832275	0.053894043	1813.968262	0.175071716	1814.003418	-0.162492752	1813.519287	0.231334686	1813.9823	0.114485264	1813.553589	-0.595270157
5/2/11 16:41	2891.508057	0.087461472	1813.998657	0.179403305	1814.007813	-0.110563278	1813.571167	0.2519207	1814.00293	0.113432884	1813.553589	-0.514093399
5/2/11 16:43	2893.16748	0.113428116	1814.02356	0.174019814	1814.003418	-0.059679031	1813.623047	0.2519207	1814.00293	0.117760658	1813.556885	-0.444850922
5/2/11 16:45	2894.841064	0.136117935	1814.040894	0.179403305	1814.007813	-0.02400589	1813.657715	0.257301331	1814.008301	0.110153198	1813.548218	-0.370225906
5/2/11 16:46	2896.497559	0.15776062	1814.067871	0.179403305	1814.007813	0.01061821	1813.692383	0.261629105	1814.012695	0.114485264	1813.553589	-0.313966751
5/2/11 16:48	2898.169922	0.166416168	1814.076538	0.192381859	1814.020752	0.032251358	1813.713989	0.265954971	1814.016968	0.114485264	1813.553589	-0.253376007
5/2/11 16:50	2899.843506	0.175075531	1814.089478	0.192381859	1814.020752	0.062553406	1813.744263	0.270282745	1814.02124	0.114485264	1813.557861	-0.210096359
5/2/11 16:51	2901.503418	0.183729172	1814.098145	0.175071716	1814.003418	0.079860687	1813.761597	0.265954971	1814.016968	0.110153198	1813.549316	-0.162488937
5/2/11 16:53	2903.176758	0.197759628	1814.106812	0.170743942	1813.999146	0.097169876	1813.778931	0.267007828	1814.018066	0.115537167	1813.553589	-0.126819611
5/2/11 16:55	2904.835693	0.202087402	1814.111084	0.171795845	1813.999146	0.115533829	1813.796143	0.267007828	1814.018066	0.124192238	1813.562256	-0.087871552
5/2/11 16:56	2906.510254	0.205368042	1814.115479	0.196709633	1814.025024	0.131795883	1813.813477	0.274610519	1814.025635	0.118812561	1813.553589	-0.058626175
5/2/11 16:58	2908.16748	0.21402359	1814.124146	0.196709633	1814.025024	0.140451431	1813.822144	0.265954971	1814.016968	0.118812561	1813.557861	-0.02400589
5/2/11 17:00	2909.848389	0.21402359	1814.128418	0.201037407	1814.029419	0.153432846	1813.835205	0.271335602	1814.02124	0.127467632	1813.566528	-0.002363205
5/2/11 17:01	2911.50415	0.222679138	1814.132813	0.196709633	1814.025024	0.166416168	1813.848145	0.261629105	1814.012695	0.118812561	1813.557861	0.023601532
5/2/11 17:03	2913.175781	0.22700119	1814.132813	0.196709633	1814.025024	0.17939949	1813.861084	0.270282745	1814.02124	0.123140335	1813.566528	0.045240402
5/2/11 17:05	2914.830811	0.22700119	1814.142456	0.201037407	1814.029419	0.183731079	1813.865479	0.270282745	1814.02124	0.118812561	1813.55896	0.066877365
5/2/11 17:06	2916.507813	0.236713409	1814.146851	0.20208931	1814.030396	0.189105988	1813.87085	0.271335602	1814.022339	0.124192238	1813.563232	0.080917358
5/2/11 17:08	2918.165527	0.241041183	1814.151123	0.210748672	1814.039063	0.197761536	1813.879517	0.271335602	1814.022339	0.119864941	1813.563232	0.098222733
5/2/11 17:10	2919.839355	0.241041183	1814.151123	0.206417084	1814.03479	0.206420898	1813.888184	0.267007828	1814.018066	0.124192238	1813.55896	0.115533829
5/2/11 17:11	2921.49707	0.244316101	1814.154419	0.20208931	1814.029419	0.210744858	1813.891357	0.265954971	1814.016968	0.131795406	1813.570923	0.131795883
5/2/11 17:13	2923.171387	0.241041183	1814.154419	0.196709633	1814.025024	0.218347549	1813.900024	0.271335602	1814.022339	0.124192238	1813.562256	0.145830154
5/2/11 17:15	2924.830078	0.24864006	1814.155518	0.197761536	1814.025024	0.223731995	1813.904419	0.270282745	1814.02124	0.131795406	1813.571899	0.149106979
5/2/11 17:16	2926.505615	0.244316101	1814.154419	0.192381859	1814.020752	0.227003098	1813.908691	0.270282745	1814.02124	0.127467632	1813.566528	0.15776062
5/2/11 17:18	2928.177979	0.252971649	1814.158691	0.196709633	1814.025024	0.231334686	1813.913086	0.265954971	1814.016968	0.13612318	1813.575195	0.166416168
5/2/11 17:20	2929.83374	0.252971649	1814.163086	0.192381859	1814.020752	0.231334686	1813.913086	0.270282745	1814.02124	0.131795406	1813.570923	0.17939949
5/2/11 17:21	2931.507813	0.252971649	1814.163086	0.201037407	1814.029419	0.231334686	1813.913086	0.270282745	1814.02124	0.13612318	1813.575195	0.188055038
5/2/11 17:23	2933.163086	0.252971649	1814.163086	0.192381859	1814.020752	0.244318008	1813.926025	0.265954971	1814.016968	0.131795406	1813.570923	0.196710587
5/2/11 17:25	2934.838135	0.257293701	1814.167358	0.196709633	1814.025024	0.244318008	1813.926025	0.265954971	1814.016968	0.13612318	1813.575195	0.201042175
5/2/11 17:26	2936.497559	0.257293701	1814.167358	0.201037407	1814.029419	0.244318008	1813.926025	0.265954971	1814.016968	0.140450478	1813.57959	0.205364227
5/2/11 17:28	2938.172119	0.261627197	1814.171753	0.330873489	1814.15918	0.248643875	1813.93042	0.270282745	1814.02124	0.127467632	1813.562256	0.209692001
5/2/11 17:30	2939.829346	0.256242752	1814.163086	0.364441872	1814.192749	0.247592926	1813.929321	0.269231796	1814.020264	0.135070801	1813.575195	0.212972641
5/2/11 17:31	2941.505127	0.261627197	1814.176025	0.201037407	1814.029419	0.252971649	1813.934692	0.270282745	1814.02124	0.13612318	1813.570923	0.222679138
5/2/11 17:33	2943.163086	0.265954971	1814.176025	0.175071716	1814.003418	0.252971649	1813.934692	0.270282745	1814.02124	0.149105549	1813.588257	0.222679138
5/2/11 17:35	2944.84375	0.257293701	1814.171753	0.339529037	1814.167847	0.257299423	1813.938965	0.270282745	1814.02124	0.13612318	1813.575195	0.227003098
5/2/11 17:36	2946.500977	0.257293701	1814.171753	0.339529037	1814.167847	0.257299423	1813.938965	0.265954971	1814.016968	0.131795406	1813.570923	0.231334686
5/2/11 17:38	2948.172363	0.260574341	1814.175049	0.19565773	1814.024048	0.260576248	1813.942261	0.269231796	1814.020264	0.135070801	1813.574219	0.234609604

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW49D_WLD	MW49D_WLE	MW50B_WLD	MW50B_WLE	MW50C_WLD	MW50C_WLE	MW50D_WLD	MW50D_WLE	MW51B_WLD	MW51B_WLE	MW51C_WLD
5/2/11 17:40	2949.829346	0.260574341	1814.170654	0.19565773	1814.024048	0.256248474	1813.937988	0.269231796	1814.020264	0.139398575	1813.582886	0.238937378
5/2/11 17:41	2951.501221	0.260574341	1814.175049	0.191329956	1814.019653	0.260576248	1813.942261	0.264904022	1814.015869	0.139398575	1813.574219	0.243265152
5/2/11 17:43	2953.163086	0.260574341	1814.170654	0.19565773	1814.024048	0.260576248	1813.942261	0.264904022	1814.015869	0.139398575	1813.578491	0.243265152
5/2/11 17:45	2954.836182	0.264902115	1814.170654	0.19998455	1814.02832	0.260576248	1813.942261	0.269231796	1814.020264	0.143725872	1813.582886	0.243265152
5/2/11 17:46	2956.494385	0.260574341	1814.170654	0.19565773	1814.024048	0.260576248	1813.942261	0.269231796	1814.020264	0.12641573	1813.565552	0.247592926
5/2/11 17:48	2958.168701	0.261627197	1814.171753	0.170743942	1813.999146	0.265954971	1813.947632	0.270282745	1814.02124	0.144778252	1813.583862	0.252973557
5/2/11 17:50	2959.825439	0.261627197	1814.167358	0.196709633	1814.025024	0.265954971	1813.947632	0.265954971	1814.016968	0.144778252	1813.57959	0.257301331
5/2/11 17:51	2961.499512	0.261627197	1814.171753	0.192381859	1814.020752	0.261627197	1813.943359	0.265954971	1814.016968	0.140450478	1813.57959	0.257301331
5/2/11 17:53	2963.174805	0.258346558	1814.172729	0.176123619	1814.004517	0.271335602	1813.953003	0.270282745	1814.022339	0.145830154	1813.584961	0.25835228
5/2/11 17:55	2964.831543	0.258346558	1814.167358	0.196709633	1814.025024	0.265954971	1813.947632	0.270282745	1814.02124	0.145830154	1813.583862	0.262680054
5/2/11 17:56	2966.50415	0.258346558	1814.167358	0.193433762	1814.020752	0.267007828	1813.947632	0.267007828	1814.018066	0.137175083	1813.575195	0.262680054
5/2/11 17:58	2968.158691	0.265954971	1814.176025	0.175071716	1814.003418	0.261627197	1813.943359	0.265954971	1814.016968	0.13612318	1813.575195	0.261627197
5/2/11 18:00	2969.833008	0.261627197	1814.176025	0.196709633	1814.025024	0.261627197	1813.943359	0.261629105	1814.012695	0.131795406	1813.570923	0.265954971
5/2/11 18:01	2971.505371	0.261627197	1814.170654	0.175071716	1814.002319	0.265954971	1813.946655	0.261629105	1814.012695	0.140450478	1813.578491	0.265954971
5/2/11 18:03	2973.160889	0.261627197	1814.171753	0.201037407	1814.029419	0.261627197	1813.943359	0.261629105	1814.012695	0.13612318	1813.575195	0.265954971
5/2/11 18:05	2974.834961	0.261627197	1814.171753	0.191329956	1814.020752	0.264902115	1813.947632	0.265954971	1814.016968	0.149105549	1813.583862	0.265954971
5/2/11 18:06	2976.494141	0.265954971	1814.171753	0.196709633	1814.025024	0.265954971	1813.947632	0.261629105	1814.012695	0.140450478	1813.57959	0.265954971
5/2/11 18:08	2978.166992	0.257293701	1814.171753	0.192381859	1814.020752	0.265954971	1813.947632	0.265954971	1814.016968	0.13612318	1813.575195	0.265954971
5/2/11 18:10	2979.824951	0.261627197	1814.171753	0.166416168	1813.994751	0.265954971	1813.947632	0.261629105	1814.012695	0.144778252	1813.583862	0.270282745
5/2/11 18:26	2996.491211	0.265954971	1814.176025	0.196709633	1814.025024	0.274610519	1813.956299	0.270282745	1814.02124	0.153433323	1813.588257	0.274610519
5/2/11 18:43	3013.151855	0.269113541	1814.179199	0.173902512	1814.002197	0.277769089	1813.959473	0.269115448	1814.020142	0.147936821	1813.587036	0.282096863
5/2/11 19:00	3029.817139	0.269113541	1814.174927	0.178230286	1814.006592	0.273441315	1813.9552	0.264787674	1814.015747	0.156591892	1813.595703	0.277769089
5/2/11 19:16	3046.488525	0.266891479	1814.177002	0.180336952	1814.008667	0.28853035	1813.970215	0.253910065	1814.004883	0.150043488	1813.589111	0.284204483
5/2/11 19:33	3063.14917	0.259288788	1814.169434	0.177061081	1814.005371	0.267944336	1813.949707	0.267946243	1814.018921	0.159750938	1813.598877	0.285255432
5/2/11 19:50	3079.807373	0.264663696	1814.17041	0.208406448	1814.036743	0.264669418	1813.946411	0.268997192	1814.02002	0.156475544	1813.595581	0.281980515
5/2/11 20:06	3096.469727	0.266769409	1814.17688	0.210511208	1814.038818	0.266773224	1813.948486	0.271102905	1814.022095	0.162907124	1813.602051	0.275428772
5/2/11 20:23	3113.129639	0.26244545	1814.172607	0.193201065	1814.017212	0.26244545	1813.948486	0.275430679	1814.026489	0.162907124	1813.602051	0.275428772
5/2/11 20:40	3129.793701	0.273323059	1814.179077	0.195428848	1814.023804	0.264669418	1813.946411	0.273324966	1814.024292	0.165130615	1813.604248	0.273324966
5/2/11 20:56	3146.45459	0.27016449	1814.180298	0.183614731	1814.011963	0.261510849	1813.943237	0.270166397	1814.02124	0.157644272	1813.596802	0.274494171
5/2/11 21:13	3163.114014	0.26700592	1814.177124	0.189110756	1814.017456	0.262680054	1813.944458	0.271335602	1814.022339	0.154485703	1813.593628	0.271335602
5/2/11 21:30	3179.77417	0.269229889	1814.179321	0.182674408	1814.010986	0.260576248	1813.942261	0.269231796	1814.020264	0.169691563	1813.608765	0.273557663
5/2/11 21:46	3196.448975	0.264902115	1814.175049	0.208644867	1814.036987	0.260576248	1813.942261	0.269231796	1814.020264	0.165363789	1813.604492	0.273557663
5/2/11 22:03	3213.112305	0.268177032	1814.178223	0.21191597	1814.040283	0.259523392	1813.941284	0.272506714	1814.02356	0.172966957	1813.612061	0.272506714
5/2/11 22:20	3229.762207	0.262794495	1814.172852	0.189223289	1814.017578	0.267124176	1813.948853	0.27145195	1814.022461	0.167584896	1813.606689	0.275779724
5/2/11 22:36	3246.440918	0.262794495	1814.172852	0.210861206	1814.039185	0.262796402	1813.94458	0.27145195	1814.022461	0.176244736	1813.615356	0.27145195
5/2/11 22:53	3263.09668	0.261743546	1814.171875	0.205485344	1814.033813	0.257415771	1813.939087	0.274726868	1814.025757	0.170860291	1813.609985	0.270399094
5/2/11 23:10	3279.762939	0.261743546	1814.171875	0.218463898	1814.046875	0.261743546	1813.943481	0.270401001	1814.021362	0.18817091	1813.627319	0.270399094
5/2/11 23:26	3296.420654	0.272504807	1814.178223	0.21191597	1814.040283	0.259523392	1813.941284	0.26817894	1814.019165	0.1902771	1813.629395	0.26817894
5/2/11 23:43	3313.076416	0.260574341	1814.170654	0.212967873	1814.04126	0.260576248	1813.942261	0.27355957	1814.024536	0.199988842	1813.634766	0.273557663
5/3/11 0:00	3329.742676	0.268177032	1814.179321	0.220570564	1814.049927	0.263851166	1813.946655	0.276834488	1814.027832	0.194609165	1813.634766	0.276834488
5/3/11 0:16	3346.402344	0.270399094	1814.180542	0.209809303	1814.038208	0.26607132	1813.947754	0.279054642	1814.030029	0.196830273	1813.635986	0.270399094
5/3/11 0:33	3363.072754	0.268177032	1814.178223	0.246541023	1814.074951	0.26817894	1813.949951	0.281162262	1814.032227	0.198936939	1813.638062	0.281162262
5/3/11 0:50	3379.732666	0.282213211	1814.192261	0.208644867	1814.036987	0.277885437	1813.955322	0.286540985	1814.037598	0.199988842	1813.639038	0.282213211
5/3/11 1:06	3396.395752	0.285491943	1814.19458	0.210861206	1814.039185	0.280107498	1813.961792	0.294143677	1814.045166	0.194609165	1813.63269	0.281162262
5/3/11 1:23	3413.05835	0.287708282	1814.197754	0.240106583	1814.068481	0.283382416	1813.965088	0.292037964	1814.043091	0.205485344	1813.644531	0.28771019
5/3/11 1:40	3429.727051	0.290987015	1814.20105	0.204431534	1814.054443	0.286655426	1813.964111	0.295314789	1814.046387	0.208754063	1813.647827	0.295310974
5/3/11 1:56	3446.391113	0.303850174	1814.212891	0.242213249	1814.070557	0.285488129	1813.967163	0.295196533	1814.046265	0.212967396	1813.651001	0.308179855
5/3/11 2:13	3463.042725	0.301626205	1814.21167	0.236714363	1814.065063	0.292972565	1813.974731	0.298353195	1814.049316	0.197765827	1813.636841	0.305959702

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW49D_WLD	MW49D_WLE	MW50B_WLD	MW50B_WLE	MW50C_WLD	MW50C_WLE	MW50D_WLD	MW50D_WLE	MW51B_WLD	MW51B_WLE	MW51C_WLD
5/3/11 2:30	3479.713379	0.307006836	1814.217041	0.237766266	1814.066162	0.289697647	1813.971436	0.311340332	1814.062378	0.224779129	1813.663818	0.302680969
5/3/11 2:46	3496.380371	0.307006836	1814.217041	0.24209404	1814.070435	0.294025421	1813.975708	0.302684784	1814.053711	0.211800575	1813.650879	0.307012558
5/3/11 3:03	3513.043945	0.304786682	1814.214844	0.239872932	1814.068237	0.296131134	1813.977905	0.300460815	1814.051514	0.222562313	1813.661621	0.304786682
5/3/11 3:20	3529.691406	0.309112549	1814.21814	0.25717926	1814.085571	0.296131134	1813.977905	0.300460815	1814.051514	0.222562313	1813.660645	0.30046463
5/3/11 3:36	3546.360107	0.303733826	1814.213867	0.234489441	1814.062866	0.290752411	1813.972412	0.308063507	1814.059082	0.230165482	1813.669312	0.295080185
5/3/11 3:53	3563.018555	0.304786682	1814.214844	0.248528481	1814.076904	0.29180336	1813.973511	0.304792404	1814.055786	0.222562313	1813.661621	0.304786682
5/3/11 4:10	3579.686279	0.303733826	1814.213867	0.23882103	1814.067139	0.286424637	1813.96814	0.299407959	1814.050415	0.230165482	1813.669312	0.303735733
5/3/11 4:26	3596.3479	0.299409866	1814.209473	0.234489441	1814.062866	0.286424637	1813.96814	0.303739548	1814.054688	0.217178345	1813.65625	0.303735733
5/3/11 4:43	3613.010254	0.295078278	1814.206177	0.23882103	1814.067139	0.290752411	1813.972412	0.299407959	1814.050415	0.22151041	1813.661621	0.299411774
5/3/11 5:00	3629.672119	0.298236847	1814.208374	0.241979599	1814.070313	0.29391098	1813.971313	0.302566528	1814.053589	0.228991985	1813.668091	0.298238754
5/3/11 5:16	3646.336182	0.302568436	1814.208374	0.246307373	1814.074707	0.280927658	1813.962646	0.298242569	1814.049316	0.237651825	1813.676758	0.298238754
5/3/11 5:33	3663.001953	0.290634155	1814.199707	0.264669418	1814.093018	0.281980515	1813.963745	0.290636063	1814.041626	0.238703728	1813.676758	0.303623199
5/3/11 5:50	3679.670898	0.291687012	1814.201782	0.248412132	1814.076782	0.287359238	1813.969116	0.300348282	1814.051392	0.239756107	1813.678833	0.30034256
5/3/11 6:06	3696.331787	0.29706955	1814.207153	0.239751816	1814.068115	0.287359238	1813.969116	0.297067642	1814.048096	0.245135784	1813.684204	0.297067642
5/3/11 6:23	3712.993896	0.29706955	1814.207153	0.249464035	1814.077759	0.28408432	1813.96582	0.297067642	1814.048096	0.240808487	1813.679932	0.297067642
5/3/11 6:40	3729.658936	0.298236847	1814.208374	0.267940521	1814.070313	0.285255432	1813.967041	0.289583206	1814.040649	0.237651825	1813.676758	0.298238754
5/3/11 6:56	3746.32373	0.292861938	1814.203003	0.271220207	1814.099609	0.279874802	1813.961548	0.292860031	1814.043823	0.240927219	1813.680054	0.297185898
5/3/11 7:13	3762.977051	0.290754318	1814.200806	0.23882103	1814.071533	0.282096863	1813.959473	0.295084	1814.046143	0.230165482	1813.669312	0.290752411
5/3/11 7:30	3779.631836	0.289701462	1814.199829	0.259404182	1814.087769	0.281042099	1813.962769	0.289697647	1814.040771	0.233438492	1813.672485	0.289697647
5/3/11 7:46	3796.299805	0.277885437	1814.187988	0.230278015	1814.058594	0.277885437	1813.959595	0.286540985	1814.037598	0.230282307	1813.669434	0.290868759
5/3/11 8:03	3812.957275	0.271450043	1814.181519	0.216247559	1814.069458	0.272506714	1813.953125	0.280107498	1814.031128	0.232502937	1813.671631	0.288763046
5/3/11 8:20	3829.635986	0.270399094	1814.180542	0.248757362	1814.077148	0.274726868	1813.956421	0.279054642	1814.030029	0.231451035	1813.670532	0.283382416
5/3/11 8:36	3846.294678	0.26607132	1814.177246	0.244434357	1814.072754	0.270399094	1813.952148	0.274726868	1814.025757	0.231451035	1813.671631	0.274726868
5/3/11 8:53	3862.959473	0.26934433	1814.179443	0.243379593	1814.071777	0.260690689	1813.942383	0.273674011	1814.024658	0.226068974	1813.665161	0.273672104
5/3/11 9:10	3879.622559	0.256361008	1814.166504	0.239051819	1814.06311	0.26934433	1813.946777	0.269346237	1814.020386	0.234724045	1813.673828	0.273672104
5/3/11 11:56	4046.251953	0.257183075	1814.167236	0.429239273	1814.257568	0.247476578	1813.929199	0.256132126	1814.00708	0.252855778	1813.691895	0.265838623
5/3/11 14:43	4212.864746	0.242448807	1814.152588	0.38526535	1814.235229	0.251106262	1813.928467	0.251102448	1814.002075	0.246778011	1813.685913	0.264089584
5/3/11 17:30	4379.499023	0.245019913	1814.159424	0.236366272	1814.064697	0.24502182	1813.926758	0.249353409	1814.000366	0.240698338	1813.67981	0.266664505
5/3/11 20:16	4546.123535	0.247953415	1814.162354	0.239294052	1814.067627	0.243621826	1813.925293	0.252281189	1814.003296	0.209000587	1813.648071	0.265264511
5/3/11 23:03	4712.740234	0.248296738	1814.159424	0.235314369	1814.063721	0.23964119	1813.921387	0.243970871	1813.994995	0.222331524	1813.662476	0.252630234
5/4/11 1:50	4879.361328	0.239528656	1814.14856	0.261163712	1814.089478	0.235197067	1813.91687	0.239526749	1813.990479	0.248180389	1813.686279	0.248186111
5/4/11 4:36	5045.989746	0.238941193	1814.149048	0.290873528	1814.119263	0.230287552	1813.911987	0.2389431	1813.98999	0.25625658	1813.695313	0.247596741
5/4/11 7:23	5212.611328	0.236366272	1814.146484	0.288302422	1814.116699	0.232042313	1813.913818	0.240699768	1813.991699	0.249353409	1813.688477	0.245025635
5/4/11 10:10	5379.241699	0.205495834	1814.115601	0.400242805	1814.228638	0.205495834	1813.887207	0.20549202	1813.956543	0.231462002	1813.670532	0.22713089
5/4/11 12:56	5545.875	0.177541733	1814.087646	0.398255348	1814.226563	0.177539825	1813.859253	0.181871414	1813.932861	0.212168217	1813.651245	0.194854736
5/4/11 15:43	5712.501953	0.155788422	1814.065918	0.346211433	1814.170166	0.160116196	1813.846191	0.160116196	1813.911133	0.168771267	1813.60791	0.181755066
5/4/11 18:30	5879.104492	0.141281128	1814.050293	0.141283035	1813.969604	0.141283035	1813.822998	0.149942398	1813.901001	0.110993862	1813.549072	0.158594131
5/4/11 21:16	6045.73584	0.12771225	1814.037842	0.149350166	1813.977661	0.123384476	1813.805054	0.136367798	1813.887329	0.140695095	1813.579834	0.132040024
5/5/11 0:03	6212.348145	0.139520645	1814.049561	0.265026093	1814.093384	0.130867004	1813.812622	0.139526367	1813.890503	0.234733105	1813.673828	0.139522552
5/5/11 2:50	6378.972168	0.166885376	1814.077026	0.292391777	1814.120728	0.153909683	1813.835693	0.166893005	1813.917969	0.275081158	1813.714233	0.175542831
5/5/11 5:36	6545.602539	0.199172974	1814.109253	0.332282066	1814.160645	0.189466476	1813.871216	0.199174881	1813.950195	0.307368755	1813.74646	0.207830429
5/5/11 8:23	6712.226074	0.20069313	1814.111816	0.322922707	1814.150269	0.197414398	1813.878052	0.205022812	1813.956055	0.287249565	1813.731689	0.209348679
5/5/11 11:10	6878.849121	0.189933777	1814.100098	0.311106682	1814.139404	0.189933777	1813.871704	0.198589325	1813.949585	0.293800354	1813.73291	0.202917099
5/5/11 13:56	7045.460449	0.201164246	1814.111328	0.465156555	1814.293457	0.201164246	1813.882935	0.201166153	1813.952148	0.29637146	1813.735474	0.214147568
5/5/11 16:43	7212.100098	0.202682495	1814.112793	0.471007347	1814.299316	0.202682495	1813.884399	0.202688217	1813.953735	0.302222252	1813.737061	0.224327087
5/5/11 19:30	7378.706543	0.198825836	1814.108887	0.285383224	1814.11377	0.198827744	1813.880615	0.203159332	1813.954224	0.28105545	1813.720215	0.220470428
5/5/11 22:16	7545.33252	0.208532333	1814.114258	0.303746223	1814.13208	0.199878693	1813.881592	0.208539963	1813.959595	0.264797211	1813.703857	0.212865829
5/6/11 1:03	7711.962891	0.20268631	1814.107422	0.305501938	1814.133789	0.192979813	1813.874756	0.197309494	1813.948364	0.276260853	1813.714355	0.207019806

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW49D_WLD	MW49D_WLE	MW50B_WLD	MW50B_WLE	MW50C_WLD	MW50C_WLE	MW50D_WLD	MW50D_WLE	MW51B_WLD	MW51B_WLE	MW51C_WLD
5/6/11 3:50	7878.583496	0.195322037	1814.105469	0.303516388	1814.131836	0.182340622	1813.864014	0.195323944	1813.946289	0.2732234	1813.71228	0.212633133
5/6/11 6:36	8045.212402	0.186906815	1814.097046	0.260476112	1814.088867	0.178251266	1813.859985	0.186903	1813.937866	0.230183125	1813.669312	0.204217911
5/6/11 9:23	8211.827148	0.146789551	1814.056885	0.389140129	1814.221802	0.146789551	1813.832886	0.151119232	1813.9021	0.198720932	1813.637817	0.164100647
5/6/11 12:10	8378.449219	0.11088562	1814.020996	0.335929871	1814.164307	0.106557846	1813.78833	0.106559753	1813.857544	0.15416193	1813.593262	0.123874664
5/6/11 14:56	8545.080078	0.063520432	1813.973633	0.124107361	1813.952393	0.063516617	1813.745239	0.063516617	1813.814575	0.089481354	1813.528564	0.080831528
5/6/11 17:43	8711.694336	0.019187927	1813.929321	0.075450897	1813.908081	0.014860153	1813.696533	0.023515701	1813.774536	0.032170773	1813.475586	0.032171249
5/6/11 20:30	8878.321289	-0.001636505	1813.912842	0.084920883	1813.91333	-0.010290146	1813.671387	-0.001634598	1813.74939	0.037317276	1813.47644	0.00702095
5/6/11 23:16	9044.9375	-0.019655228	1813.890381	0.149129868	1813.977539	-0.02397728	1813.657715	-0.015321732	1813.735718	0.088543892	1813.527588	-0.006666183
5/7/11 2:03	9211.568359	-0.017549515	1813.892578	0.146913528	1813.97522	-0.021871567	1813.659912	-0.013216019	1813.737793	0.09930563	1813.538452	-0.008888245
5/7/11 4:50	9378.192383	-0.011697769	1813.898438	0.157083511	1813.985474	-0.020353317	1813.661377	-0.011695862	1813.739258	0.113807201	1813.552856	-0.007369995
5/7/11 7:36	9544.799805	-0.012521744	1813.901855	0.169247627	1813.997559	-0.012519836	1813.669189	-0.003864288	1813.747192	0.125966549	1813.565063	0.009117126
5/7/11 10:23	9711.43457	-0.024805069	1813.885254	0.308434486	1814.136719	-0.024803162	1813.656982	-0.020475388	1813.730591	0.139649391	1813.578735	-0.007492065
5/7/11 13:10	9878.050781	-0.020706177	1813.889404	0.334166527	1814.162476	-0.020708084	1813.661011	-0.020708084	1813.730347	0.169713497	1813.608765	0.005260468
5/7/11 15:56	10044.66895	-0.010532379	1813.899536	0.331361771	1814.159668	-0.010530472	1813.671143	-0.014858246	1813.736206	0.162577152	1813.601685	0.019767761
5/7/11 16:32	10080.00195	-0.001991272	1813.90918	0.348558426	1814.178955	-0.010644913	1813.673218	-0.019298553	1813.731689	0.184104919	1813.624268	0.019649506
5/7/11 16:32	10080.16895	-0.004213333	1813.910156	0.346334457	1814.174683	-0.017196655	1813.664551	-0.017194748	1813.733765	0.168894768	1813.608032	0.021753311
5/7/11 16:32	10080.32031	-0.008541107	1813.901611	0.342007637	1814.17041	-0.082113266	1813.599609	-0.017194748	1813.733765	0.164571285	1813.603638	0.021753311
5/7/11 16:32	10080.4873	-0.047489166	1813.862549	0.354990005	1814.178955	-0.160011292	1813.474121	0.004442215	1813.755493	0.134278297	1813.560425	0.021753311
5/7/11 16:32	10080.65527	-0.103748322	1813.771729	0.342007637	1814.17041	-0.302829742	1813.378906	-0.004211426	1813.746826	0.09532547	1813.534424	0.013097763
5/7/11 16:32	10080.83887	-0.194637299	1813.715454	0.337679863	1814.166016	-0.432661057	1813.249023	-0.0085392	1813.746826	0.073687553	1813.508423	0.004442215
5/7/11 16:33	10080.99023	-0.281188965	1813.628906	0.346334457	1814.174683	-0.488924026	1813.192749	-0.004211426	1813.746826	0.056373119	1813.495483	-0.004213333
5/7/11 16:33	10081.1582	-0.328796387	1813.581299	0.359321594	1814.174683	-0.55383873	1813.106201	-0.012866974	1813.738159	0.047718048	1813.486816	-0.012866974
5/7/11 16:33	10081.3252	-0.37207222	1813.520752	0.342007637	1814.17041	-0.627412796	1813.054321	-0.0085392	1813.742432	0.043394566	1813.482544	-0.025850296
5/7/11 16:33	10081.49219	-0.42833519	1813.481812	0.350662231	1814.178955	-0.670688629	1813.010986	-0.0085392	1813.742432	0.043394566	1813.473877	-0.034505844
5/7/11 16:33	10081.65918	-0.484594345	1813.425537	0.342007637	1814.17041	-0.748584747	1812.933105	-0.021522522	1813.729492	0.026080132	1813.46521	-0.051820755
5/7/11 16:34	10081.82715	-0.514890671	1813.395264	0.342007637	1814.17041	-0.787542343	1812.894165	-0.021522522	1813.729492	0.013101578	1813.452148	-0.073457718
5/7/11 16:34	10081.99414	-0.540857315	1813.369263	0.342007637	1814.17041	-0.830812454	1812.850952	-0.025850296	1813.725098	0.013101578	1813.452148	-0.082113266
5/7/11 16:34	10082.16113	-0.584133148	1813.308594	0.342007637	1814.17041	-0.869766235	1812.812012	-0.025850296	1813.725098	0.017424583	1813.447876	-0.095092773
5/7/11 16:34	10082.32813	-0.618757248	1813.291382	0.337679863	1814.166016	-0.895730972	1812.786011	-0.025850296	1813.725098	0.008769512	1813.447876	-0.112405777
5/7/11 16:34	10082.49512	-0.640396118	1813.269653	0.342007637	1814.17041	-0.934679031	1812.74707	-0.021522522	1813.729492	0.004441738	1813.443604	-0.134044647
5/7/11 16:34	10082.66211	-0.675020218	1813.235107	0.337679863	1814.166016	-0.956321716	1812.725342	-0.03017807	1813.720825	0.000114441	1813.439209	-0.142700195
5/7/11 16:35	10082.8291	-0.692327499	1813.204834	0.338731766	1814.167114	-0.985563278	1812.696167	-0.025850296	1813.725098	0.004441738	1813.44458	-0.160009384
5/7/11 16:35	10082.99707	-0.718292236	1813.191772	0.337679863	1814.166016	-1.008253098	1812.673462	-0.034505844	1813.716553	-0.004213333	1813.434937	-0.172996521
5/7/11 16:35	10083.16309	-0.735607147	1813.174438	0.346334457	1814.174683	-1.038549423	1812.643188	-0.03017807	1813.720825	0.000114441	1813.439209	-0.194635391
5/7/11 16:35	10083.33008	-0.75724411	1813.152832	0.337679863	1814.166016	-1.055856705	1812.625854	-0.038833618	1813.712158	-0.00854063	1813.430542	-0.207612991
5/7/11 16:35	10083.49805	-0.774555206	1813.135498	0.342007637	1814.17041	-1.073171616	1812.608521	-0.043161392	1813.707886	-0.004213333	1813.430542	-0.220600128
5/7/11 16:35	10083.66504	-0.796197891	1813.113892	0.337679863	1814.166016	-1.090480804	1812.591187	-0.043161392	1813.707886	-0.012868404	1813.417603	-0.229255676
5/7/11 16:36	10083.83203	-0.804853439	1813.106323	0.346334457	1814.175781	-1.112119675	1812.570679	-0.047487259	1813.703491	-0.021523476	1813.418579	-0.250894547
5/7/11 16:36	10084	-0.817834854	1813.093262	0.346334457	1814.171387	-1.120775223	1812.549072	-0.034505844	1813.716553	-0.012868404	1813.427246	-0.263875961
5/7/11 16:36	10084.16699	-0.830814362	1813.080322	0.350662231	1814.178955	-1.14673996	1812.535034	-0.051815033	1813.699219	-0.00854063	1813.431641	-0.285518646
5/7/11 16:36	10084.33398	-0.848129272	1813.062012	0.350662231	1814.178955	-1.164054871	1812.5177	-0.047487259	1813.703491	-0.00854063	1813.430542	-0.289842606
5/7/11 16:36	10084.50098	-0.856782913	1813.04895	0.342007637	1814.17041	-1.177032471	1812.504639	-0.056148529	1813.694824	-0.004213333	1813.434937	-0.311485291
5/7/11 16:36	10084.66895	-0.869766235	1813.040283	0.346334457	1814.174683	-1.185688019	1812.496094	-0.056148529	1813.694824	-0.004213333	1813.434937	-0.324466705
5/7/11 16:37	10084.83594	-0.878421783	1813.027344	0.342007637	1814.17041	-1.207330704	1812.474365	-0.060470581	1813.690552	-0.00854063	1813.430542	-0.341777802
5/7/11 16:37	10085.00391	-0.890352249	1813.019775	0.34305954	1814.171387	-1.210605621	1812.462402	-0.063751221	1813.687256	-0.007488728	1813.427246	-0.349380493
5/7/11 16:37	10085.1709	-0.89573288	1813.015381	0.346334457	1814.175781	-1.233295441	1812.449463	-0.06480217	1813.686157	-0.017196178	1813.422974	-0.363414764
5/7/11 16:37	10085.33789	-0.913042068	1812.998047	0.337679863	1814.166016	-1.237623215	1812.444092	-0.069126129	1813.681885	-0.012868404	1813.427246	-0.376398087
5/7/11 16:37	10085.50684	-0.917373657	1812.992676	0.342007637	1814.17041	-1.246282578	1812.435425	-0.073457718	1813.67749	-0.004213333	1813.434937	-0.393709183

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW49D_WLD	MW49D_WLE	MW50B_WLD	MW50B_WLE	MW50C_WLD	MW50C_WLE	MW50D_WLD	MW50D_WLE	MW51B_WLD	MW51B_WLE	MW51C_WLD
5/7/11 16:37	10085.67383	-0.926029205	1812.984131	0.346334457	1814.174683	-1.263593674	1812.418091	-0.073457718	1813.67749	-0.012868404	1813.42627	-0.398040771
5/7/11 16:38	10085.8418	-0.930353165	1812.979736	0.342007637	1814.17041	-1.267917633	1812.413818	-0.077785492	1813.673218	-0.021523476	1813.417603	-0.419677734
5/7/11 16:38	10086.00781	-0.943336487	1812.966797	0.350662231	1814.178955	-1.28090477	1812.400879	-0.077785492	1813.673218	-0.017196178	1813.421875	-0.428333282
5/7/11 16:38	10086.17578	-0.943336487	1812.966797	0.342007637	1814.17041	-1.285230637	1812.396484	-0.077785492	1813.673218	-0.012868404	1813.42627	-0.44131279
5/7/11 16:38	10086.32617	-0.956323624	1812.953735	0.363645554	1814.192017	-1.289554596	1812.392212	-0.073457718	1813.67749	-0.00854063	1813.430542	-0.454299927
5/7/11 16:38	10086.49316	-0.956323624	1812.953735	0.34305954	1814.171387	-1.30581665	1812.375854	-0.077785492	1813.673218	-0.017196178	1813.42627	-0.462953568
5/7/11 16:38	10086.66113	-0.969305038	1812.940796	0.337679863	1814.166016	-1.311197281	1812.370483	-0.077785492	1813.673218	-0.017196178	1813.421875	-0.480268478
5/7/11 16:39	10086.8291	-0.973632813	1812.936523	0.367977142	1814.196289	-1.324180603	1812.357544	-0.08644104	1813.664551	-0.034506321	1813.404541	-0.488920212
5/7/11 16:39	10086.99609	-0.982288361	1812.927856	0.346334457	1814.174683	-1.328512192	1812.353271	-0.08644104	1813.664551	-0.030178547	1813.408936	-0.501907349
5/7/11 16:39	10087.16406	-0.982288361	1812.923462	0.372300148	1814.200684	-1.33716774	1812.344604	-0.08644104	1813.664551	-0.030178547	1813.408936	-0.519216537
5/7/11 16:39	10087.33203	-0.990943909	1812.919189	0.354990005	1814.18335	-1.341489792	1812.34021	-0.08644104	1813.664551	-0.030178547	1813.408936	-0.523540497
5/7/11 16:39	10087.49902	-0.995271683	1812.914795	0.363645554	1814.192017	-1.35014534	1812.331543	-0.090764999	1813.660278	-0.021523476	1813.417603	-0.536527634
5/7/11 16:39	10087.66699	-0.999599457	1812.911499	0.346334457	1814.174683	-1.358804703	1812.322876	-0.090764999	1813.660278	-0.017196178	1813.422974	-0.545183182
5/7/11 16:40	10087.83496	-1.002874374	1812.907227	0.360374451	1814.187622	-1.362075806	1812.318604	-0.094043732	1813.656982	-0.02479887	1813.414307	-0.557113647
5/7/11 16:40	10088.00195	-1.007202148	1812.902832	0.364697456	1814.192993	-1.366407394	1812.315308	-0.094043732	1813.656982	-0.02479887	1813.414307	-0.565769196
5/7/11 16:40	10088.16895	-1.012580872	1812.89856	0.363645554	1814.192993	-1.376115799	1812.306641	-0.095096588	1813.655884	-0.02585125	1813.409912	-0.575475693
5/7/11 16:40	10088.33594	-1.016908646	1812.893188	0.346334457	1814.174683	-1.376115799	1812.305664	-0.09941864	1813.651611	-0.034506321	1813.404541	-0.588459015
5/7/11 16:40	10088.50391	-1.025564194	1812.888916	0.363645554	1814.192017	-1.384771347	1812.296997	-0.09941864	1813.651611	-0.030178547	1813.408936	-0.601446152
5/7/11 16:40	10088.67285	-1.025564194	1812.884521	0.350662231	1814.174683	-1.393424988	1812.283936	-0.09941864	1813.651611	-0.030178547	1813.408936	-0.6101017
5/7/11 16:41	10088.83984	-1.029895782	1812.880249	0.350662231	1814.178955	-1.40640831	1812.275269	-0.103752136	1813.647217	-0.034506321	1813.404541	-0.627407074
5/7/11 16:41	10089.00781	-1.034219742	1812.875854	0.342007637	1814.17041	-1.40640831	1812.275269	-0.103752136	1813.647217	-0.02585125	1813.417603	-0.627407074
5/7/11 16:41	10089.17676	-1.034219742	1812.875854	0.346334457	1814.174683	-1.410736084	1812.270996	-0.103752136	1813.647217	-0.017196178	1813.421875	-0.640394211
5/7/11 16:41	10089.34473	-1.038551331	1812.871582	0.342007637	1814.17041	-1.419391632	1812.262329	-0.103752136	1813.647217	-0.00854063	1813.42627	-0.644721985
5/7/11 16:41	10089.51172	-1.04287529	1812.867188	0.342007637	1814.17041	-1.42804718	1812.253662	-0.103752136	1813.647217	-0.012868404	1813.42627	-0.662033081
5/7/11 16:41	10089.67871	-1.047206879	1812.862915	0.346334457	1814.174683	-1.423719406	1812.258057	-0.108078003	1813.642944	-0.017196178	1813.421875	-0.670686722
5/7/11 16:42	10089.84668	-1.047206879	1812.862915	0.350662231	1814.178955	-1.42804718	1812.253662	-0.103752136	1813.647217	-0.030178547	1813.408936	-0.675014496
5/7/11 16:43	10091.50195	-1.081827164	1812.832642	0.199193001	1814.027588	-1.462667465	1812.218994	-0.116733551	1813.634277	-0.021523476	1813.417603	-0.75724411
5/7/11 16:45	10093.17773	-1.09913826	1812.815308	0.337679863	1814.166016	-1.505947113	1812.175781	-0.121061325	1813.630005	-0.034506321	1813.404541	-0.835144043
5/7/11 16:47	10094.83496	-1.112125397	1812.797974	0.337679863	1814.166016	-1.531912804	1812.14978	-0.116733551	1813.634277	-0.034506321	1813.404541	-0.895730972
5/7/11 16:48	10096.50977	-1.120775223	1812.789307	0.347387314	1814.175781	-1.552498817	1812.129272	-0.116733551	1813.634277	-0.038834095	1813.400269	-0.956321716
5/7/11 16:50	10098.17188	-1.13376236	1812.776367	0.350662231	1814.178955	-1.570865631	1812.11084	-0.121061325	1813.630005	-0.030178547	1813.408936	-1.003925323
5/7/11 16:52	10099.8457	-1.142417908	1812.771973	0.350662231	1814.178955	-1.592503548	1812.089233	-0.116733551	1813.634277	-0.034506321	1813.404541	-1.047201157
5/7/11 16:53	10101.50293	-1.14673996	1812.763306	0.342007637	1814.17041	-1.605482101	1812.076294	-0.116733551	1813.634277	-0.038834095	1813.400269	-1.08615303
5/7/11 16:55	10103.17676	-1.155395508	1812.759033	0.350662231	1814.178955	-1.614141464	1812.067627	-0.116733551	1813.634277	-0.034506321	1813.404541	-1.120773315
5/7/11 16:57	10104.83496	-1.155395508	1812.751465	0.346334457	1814.174683	-1.635779381	1812.045898	-0.116733551	1813.634277	-0.038834095	1813.401367	-1.151071548
5/7/11 16:58	10106.50684	-1.167331696	1812.74707	0.330077171	1814.158447	-1.639054298	1812.042725	-0.111354828	1813.639648	-0.037781715	1813.401367	-1.175979614
5/7/11 17:00	10108.16504	-1.167331696	1812.74707	0.330077171	1814.158447	-1.647709846	1812.034058	-0.107027054	1813.644043	-0.037781715	1813.401367	-1.201950073
5/7/11 17:02	10109.83984	-1.17165947	1812.738403	0.330077171	1814.158447	-1.652037621	1812.029663	-0.115682602	1813.635376	-0.037781715	1813.401367	-1.22358799
5/7/11 17:03	10111.49609	-1.167331696	1812.742798	0.347387314	1814.175781	-1.660692215	1812.020996	-0.107027054	1813.644043	-0.042109489	1813.396973	-1.240898132
5/7/11 17:05	10113.1709	-1.168382645	1812.741699	0.329024315	1814.157349	-1.661745071	1812.02002	-0.112405777	1813.638672	-0.043161392	1813.395996	-1.26359272
5/7/11 17:07	10114.82813	-1.170606613	1812.738403	0.347387314	1814.175781	-1.660692215	1812.020996	-0.105974197	1813.64502	-0.054044247	1813.388306	-1.270139694
5/7/11 17:08	10116.50293	-1.18031311	1812.729736	0.321421623	1814.14978	-1.665019989	1812.016724	-0.111354828	1813.639648	-0.046436787	1813.3927	-1.28850174
5/7/11 17:10	10118.17578	-1.175981522	1812.729736	0.321421623	1814.14978	-1.669347763	1812.012329	-0.107027054	1813.644043	-0.050764561	1813.388306	-1.301488876
5/7/11 17:12	10119.83594	-1.174930573	1812.730835	0.3268013	1814.155151	-1.676950455	1812.004761	-0.110301971	1813.640747	-0.049712181	1813.389404	-1.309092522
5/7/11 17:13	10121.51074	-1.183584213	1812.725464	0.3268013	1814.154053	-1.672627449	1812.008057	-0.105974197	1813.64502	-0.049712181	1813.388306	-1.317747116
5/7/11 17:15	10123.16992	-1.179262161	1812.730835	0.322473526	1814.150879	-1.681282997	1812.000488	-0.105974197	1813.64502	-0.045384884	1813.393677	-1.326402664
5/7/11 17:17	10124.84375	-1.179262161	1812.730835	0.3268013	1814.155151	-1.681282997	1812.000488	-0.105974197	1813.64502	-0.045384884	1813.393677	-1.335057259
5/7/11 17:18	10126.50098	-1.179262161	1812.730835	0.3268013	1814.155151	-1.676950455	1812.004761	-0.105974197	1813.64502	-0.045384884	1813.393677	-1.339385033

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW49D_WLD	MW49D_WLE	MW50B_WLD	MW50B_WLE	MW50C_WLD	MW50C_WLE	MW50D_WLD	MW50D_WLE	MW51B_WLD	MW51B_WLE	MW51C_WLD
5/7/11 17:20	10128.17578	-1.174930573	1812.735107	0.3268013	1814.155151	-1.685606003	1811.996094	-0.110301971	1813.640747	-0.045384884	1813.393677	-1.348040581
5/7/11 17:22	10129.83301	-1.179262161	1812.730835	0.322473526	1814.150879	-1.685606003	1811.996094	-0.105974197	1813.64502	-0.054044247	1813.38501	-1.361022949
5/7/11 17:23	10131.50684	-1.183584213	1812.726563	0.322473526	1814.150879	-1.681282997	1812.000488	-0.105974197	1813.64502	-0.054044247	1813.38501	-1.361022949
5/7/11 17:25	10133.16504	-1.179262161	1812.730835	0.300835609	1814.12915	-1.685606003	1811.996094	-0.101646423	1813.64502	-0.054044247	1813.38501	-1.365355492
5/7/11 17:27	10134.84082	-1.179262161	1812.730835	0.3268013	1814.155151	-1.685606003	1811.996094	-0.101646423	1813.649414	-0.054044247	1813.38501	-1.369678497
5/7/11 17:28	10136.49609	-1.183584213	1812.726563	0.322473526	1814.150879	-1.689937592	1811.991821	-0.097314835	1813.653687	-0.045384884	1813.389404	-1.374010086
5/7/11 17:30	10138.16895	-1.18463707	1812.725464	0.321421623	1814.14978	-1.686657906	1811.995117	-0.10269928	1813.648315	-0.055096626	1813.384033	-1.379385948
5/7/11 17:32	10139.84277	-1.18031311	1812.729736	0.321421623	1814.14978	-1.686657906	1811.995117	-0.098367691	1813.652588	-0.055096626	1813.384033	-1.383717537
5/7/11 17:33	10141.49902	-1.175981522	1812.734131	0.325749397	1814.154053	-1.686657906	1811.995117	-0.10269928	1813.648315	-0.055096626	1813.384033	-1.388045311
5/7/11 17:35	10143.17188	-1.18463707	1812.725464	0.321421623	1814.14978	-1.686657906	1811.995117	-0.094043732	1813.656982	-0.059419632	1813.379639	-1.388045311
5/7/11 17:37	10144.83301	-1.177034378	1812.734131	0.17322731	1814.002686	-1.687709808	1811.995117	-0.09941864	1813.651611	-0.056148529	1813.384033	-1.393424988
5/7/11 17:38	10146.50488	-1.181365967	1812.72876	0.177550316	1814.005859	-1.687709808	1811.994019	-0.103752136	1813.647217	-0.060472012	1813.378662	-1.389097214
5/7/11 17:40	10148.16309	-1.18031311	1812.729736	0.178602219	1814.006958	-1.686657906	1811.995117	-0.09941864	1813.651611	-0.059419632	1813.379639	-1.392373085
5/7/11 17:42	10149.83887	-1.18031311	1812.734131	0.174279213	1814.002686	-1.686657906	1811.995117	-0.098367691	1813.652588	-0.059419632	1813.379639	-1.396700859
5/7/11 17:43	10151.49414	-1.174930573	1812.735107	0.175331116	1814.003662	-1.685606003	1811.996094	-0.097314835	1813.653687	-0.054044247	1813.38501	-1.395648003
5/7/11 17:45	10153.17188	-1.18031311	1812.729736	0.174279213	1814.002686	-1.6823349	1811.99939	-0.094043732	1813.656982	-0.055096626	1813.384033	-1.396700859
5/7/11 17:47	10154.82813	-1.175981522	1812.734131	0.178602219	1814.006958	-1.6823349	1811.99939	-0.094043732	1813.656982	-0.072406769	1813.366699	-1.396700859
5/7/11 17:48	10156.49902	-1.175981522	1812.734131	0.174279213	1814.002686	-1.6823349	1811.99939	-0.094043732	1813.656982	-0.068074703	1813.371094	-1.396700859
5/7/11 17:50	10158.17676	-1.175981522	1812.734131	0.178602219	1814.006958	-1.686657906	1811.995117	-0.098367691	1813.652588	-0.068074703	1813.371094	-1.396700859
5/7/11 17:52	10159.83398	-1.174930573	1812.735107	0.178602219	1814.008057	-1.686657906	1811.996094	-0.094043732	1813.656982	-0.071354389	1813.367798	-1.399971962
5/7/11 17:53	10161.50684	-1.170606613	1812.739502	0.179654121	1814.008057	-1.676950455	1812.004761	-0.088659286	1813.662354	-0.062699318	1813.376465	-1.399971962
5/7/11 17:55	10163.16406	-1.170606613	1812.739502	0.182934761	1814.01123	-1.6823349	1811.99939	-0.084337234	1813.666626	-0.062699318	1813.376465	-1.399971962
5/7/11 17:57	10164.83594	-1.174930573	1812.735107	0.331129074	1814.159424	-1.676950455	1812.004761	-0.088659286	1813.662354	-0.0670228	1813.37207	-1.404303551
5/7/11 17:58	10166.49316	-1.166278839	1812.743774	0.305163383	1814.133545	-1.681282997	1812.000488	-0.088659286	1813.662354	-0.0670228	1813.37207	-1.404303551
5/7/11 18:00	10168.16797	-1.174930573	1812.735107	0.331129074	1814.159424	-1.681282997	1812.000488	-0.088659286	1813.662354	-0.062699318	1813.376465	-1.404303551
5/7/11 18:02	10169.83984	-1.170606613	1812.739502	0.305163383	1814.133545	-1.681282997	1812.000488	-0.088659286	1813.662354	-0.0670228	1813.37207	-1.404303551
5/7/11 18:03	10171.49707	-1.170606613	1812.739502	0.305163383	1814.133545	-1.681282997	1812.000488	-0.092990875	1813.657959	-0.062699318	1813.376465	-1.404303551
5/7/11 18:05	10173.1709	-1.170606613	1812.739502	0.335456848	1814.163818	-1.676950455	1812.004761	-0.092990875	1813.657959	-0.075677872	1813.363403	-1.399971962
5/7/11 18:07	10174.82617	-1.174930573	1812.735107	0.305163383	1814.133545	-1.681282997	1812.000488	-0.092990875	1813.657959	-0.058367252	1813.380737	-1.404303551
5/7/11 18:08	10176.50098	-1.174930573	1812.735107	0.305163383	1814.133545	-1.676950455	1812.004761	-0.088659286	1813.662354	-0.0670228	1813.37207	-1.404303551
5/7/11 18:10	10178.1582	-1.174930573	1812.735107	0.170999527	1813.99939	-1.681282997	1812.000488	-0.088659286	1813.662354	-0.0670228	1813.37207	-1.408626556
5/7/11 18:12	10179.83398	-1.170606613	1812.739502	0.153693199	1813.982056	-1.676950455	1812.004761	-0.088659286	1813.662354	-0.071354389	1813.367798	-1.408626556
5/7/11 18:28	10196.48633	-1.173875809	1812.736206	0.172053337	1814.000366	-1.675896645	1812.005859	-0.087604523	1813.663452	-0.070300102	1813.368774	-1.407572746
5/7/11 18:45	10213.16504	-1.169551849	1812.740601	0.180708885	1814.009033	-1.667241096	1812.014526	-0.087604523	1813.663452	-0.074623585	1813.364502	-1.403248787
5/7/11 19:02	10229.80762	-1.17165947	1812.738403	0.15696907	1813.986328	-1.669347763	1812.013428	-0.085388184	1813.665649	-0.072406769	1813.366699	-1.401023865
5/7/11 19:18	10246.47266	-1.167331696	1812.742798	0.165623665	1813.994019	-1.665019989	1812.016724	-0.085388184	1813.665649	-0.076729774	1813.362427	-1.401023865
5/7/11 19:35	10263.13477	-1.158676147	1812.750366	0.161292076	1813.989624	-1.665019989	1812.016724	-0.081056595	1813.669922	-0.085389614	1813.352661	-1.401023865
5/7/11 19:52	10279.80566	-1.161832809	1812.748291	0.158135414	1813.98645	-1.663848877	1812.017822	-0.079889297	1813.671143	-0.084214211	1813.354858	-1.404180527
5/7/11 20:08	10296.4707	-1.156448364	1812.753662	0.163519859	1813.991821	-1.662796974	1812.018921	-0.074510574	1813.676514	-0.087493896	1813.351563	-1.398804665
5/7/11 20:25	10313.13086	-1.153177261	1812.756958	0.166790962	1813.995117	-1.659521103	1812.022217	-0.07661438	1813.675415	-0.084214211	1813.354858	-1.399856567
5/7/11 20:42	10329.79883	-1.153177261	1812.756958	0.166790962	1813.995117	-1.655194283	1812.026489	-0.071229935	1813.67981	-0.092869282	1813.346191	-1.395529747
5/7/11 20:58	10346.45996	-1.157501221	1812.752563	0.171122551	1813.999512	-1.650866508	1812.030884	-0.071229935	1813.67981	-0.088546276	1813.350586	-1.395529747
5/7/11 21:15	10363.1123	-1.150951385	1812.759155	0.17333889	1814.001709	-1.652973175	1812.028809	-0.064682007	1813.686279	-0.090652466	1813.348389	-1.401963234
5/7/11 21:32	10379.77539	-1.149787903	1812.760254	0.165857315	1813.994141	-1.647476196	1812.034302	-0.063516617	1813.6875	-0.102466583	1813.33667	-1.396467209
5/7/11 21:48	10396.44141	-1.142185211	1812.76355	0.173460007	1814.001831	-1.648529053	1812.033203	-0.064569473	1813.686401	-0.099186897	1813.335571	-1.393191338
5/7/11 22:05	10413.10254	-1.151891708	1812.758179	0.163752556	1813.992065	-1.649580956	1812.032104	-0.06562233	1813.685425	-0.104570866	1813.334473	-1.394244194
5/7/11 22:22	10429.77539	-1.153997421	1812.756104	0.170301437	1813.998657	-1.651687622	1812.030029	-0.067728043	1813.68335	-0.102345467	1813.336792	-1.392018318
5/7/11 22:38	10446.42773	-1.148611069	1812.761475	0.171356201	1813.999756	-1.646305084	1812.0354	-0.066673279	1813.684326	-0.096968174	1813.342163	-1.386640549

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW49D_WLD	MW49D_WLE	MW50B_WLD	MW50B_WLE	MW50C_WLD	MW50C_WLE	MW50D_WLD	MW50D_WLE	MW51B_WLD	MW51B_WLE	MW51C_WLD
5/7/11 22:55	10463.09277	-1.154109955	1812.755981	0.161525726	1813.989868	-1.643148422	1812.038574	-0.067840576	1813.683228	-0.093811512	1813.345337	-1.387807846
5/7/11 23:12	10479.74805	-1.14768219	1812.762451	0.176616669	1814.005005	-1.641044617	1812.040649	-0.070068359	1813.680908	-0.100362301	1813.338745	-1.385703087
5/7/11 23:28	10496.40918	-1.150951385	1812.759155	0.17333889	1814.001709	-1.635663033	1812.046021	-0.060358047	1813.690674	-0.099308014	1813.339844	-1.384649277
5/7/11 23:45	10513.08496	-1.139137268	1812.770996	0.185157776	1814.01355	-1.63250351	1812.049194	-0.061523438	1813.689453	-0.091816902	1813.34729	-1.381489754
5/8/11 0:02	10529.74902	-1.145689011	1812.764404	0.182934761	1814.01123	-1.634727478	1812.046997	-0.063751221	1813.687256	-0.081057549	1813.358032	-1.379385948
5/8/11 0:18	10546.40137	-1.14673996	1812.763306	0.181881905	1814.010254	-1.631451607	1812.050293	-0.060470581	1813.690552	-0.095097065	1813.343994	-1.384770393
5/8/11 0:35	10563.07324	-1.139137268	1812.771973	0.180830002	1814.014526	-1.63250351	1812.050293	-0.061523438	1813.689453	-0.10047245	1813.339722	-1.381489754
5/8/11 0:52	10579.73535	-1.134815216	1812.775269	0.18948555	1814.017822	-1.628176689	1812.053589	-0.061523438	1813.689453	-0.104804039	1813.334351	-1.377166748
5/8/11 1:08	10596.39941	-1.140314102	1812.769775	0.183986664	1814.012329	-1.625020027	1812.056641	-0.058366776	1813.692627	-0.101647854	1813.337402	-1.378334045
5/8/11 1:25	10613.05664	-1.141365051	1812.768799	0.178602219	1814.01123	-1.62607193	1812.055664	-0.059419632	1813.69165	-0.094044685	1813.340698	-1.379385948
5/8/11 1:42	10629.71582	-1.140314102	1812.770874	0.185040474	1814.013428	-1.632620811	1812.049072	-0.062698364	1813.688354	-0.110302925	1813.334229	-1.382665634
5/8/11 1:58	10646.38281	-1.139259338	1812.769775	0.167730331	1813.996094	-1.628293037	1812.053467	-0.0616436	1813.689331	-0.104920864	1813.33313	-1.38161087
5/8/11 2:15	10663.04102	-1.139259338	1812.770874	0.167730331	1813.996094	-1.623965263	1812.057739	-0.06596756	1813.685059	-0.113575935	1813.325562	-1.372956276
5/8/11 2:32	10679.70703	-1.138204575	1812.771851	0.168785095	1813.99707	-1.627238274	1812.054443	-0.064912796	1813.686035	-0.112521648	1813.326538	-1.376224518
5/8/11 2:48	10696.36523	-1.137151718	1812.772949	0.174160004	1814.006836	-1.626186371	1812.059814	-0.06385994	1813.687134	-0.115797043	1813.323242	-1.379504204
5/8/11 3:05	10713.02832	-1.133995056	1812.776123	0.17299366	1814.001343	-1.623029709	1812.058716	-0.060705185	1813.690308	-0.108313084	1813.326416	-1.376348495
5/8/11 3:22	10729.69824	-1.136213303	1812.773926	0.183755875	1814.007813	-1.625250816	1812.056519	-0.058597565	1813.692383	-0.119189262	1813.319946	-1.374241829
5/8/11 3:38	10746.35352	-1.135158539	1812.773926	0.17615509	1814.004517	-1.624196053	1812.057495	-0.06187439	1813.689087	-0.118134975	1813.324219	-1.373187065
5/8/11 3:55	10763.0166	-1.135158539	1812.774902	0.17615509	1814.004517	-1.628523827	1812.053223	-0.058597565	1813.692383	-0.113807201	1813.325317	-1.373187065
5/8/11 4:12	10779.67285	-1.138204575	1812.771851	0.155801773	1813.984131	-1.627238274	1812.054443	-0.056257248	1813.694702	-0.12117672	1813.313599	-1.38055706
5/8/11 4:28	10796.33496	-1.132820129	1812.776245	0.148199081	1813.976563	-1.621858597	1812.059814	-0.059537888	1813.691528	-0.124452114	1813.309326	-1.379504204
5/8/11 4:45	10812.99902	-1.13176918	1812.777344	0.15685463	1813.985229	-1.626186371	1812.055542	-0.06385994	1813.687134	-0.132055283	1813.310303	-1.378452301
5/8/11 5:02	10829.66895	-1.137151718	1812.772949	0.15685463	1813.985229	-1.621858597	1812.059814	-0.06385994	1813.687134	-0.133107662	1813.301636	-1.375172615
5/8/11 5:18	10846.32422	-1.138204575	1812.771851	0.155801773	1813.984131	-1.618583679	1812.06311	-0.060590744	1813.69043	-0.129832268	1813.309326	-1.38055706
5/8/11 5:35	10862.99512	-1.132944107	1812.7771	0.165390968	1813.993774	-1.608994484	1812.072754	-0.055328369	1813.695679	-0.128898621	1813.310181	-1.379623413
5/8/11 5:52	10879.64941	-1.140657425	1812.769409	0.16632843	1813.994629	-1.599402428	1812.078003	-0.054386139	1813.696655	-0.119306087	1813.319824	-1.370030403
5/8/11 6:08	10896.30957	-1.140657425	1812.769409	0.153341293	1813.981689	-1.595074654	1812.08667	-0.050064087	1813.700928	-0.123633385	1813.319824	-1.374358177
5/8/11 6:25	10912.97754	-1.135280609	1812.77478	0.158725739	1813.991455	-1.589690208	1812.096313	-0.040355682	1813.710693	-0.122581482	1813.316528	-1.373306274
5/8/11 6:42	10929.62988	-1.150485992	1812.759644	0.168433189	1813.996826	-1.610280037	1812.071411	-0.055559158	1813.695435	-0.124802113	1813.314331	-1.371199608
5/8/11 6:58	10946.2998	-1.153759003	1812.756348	0.166209221	1813.977295	-1.616827011	1812.060547	-0.063156128	1813.683472	-0.132402897	1813.306641	-1.370144844
5/8/11 7:15	10962.95801	-1.153759003	1812.756348	0.148899078	1813.977295	-1.621154785	1812.060547	-0.063156128	1813.687866	-0.132402897	1813.311035	-1.378800392
5/8/11 7:32	10979.63574	-1.15165329	1812.758423	0.146676064	1813.974976	-1.6233778	1812.05835	-0.06970787	1813.681274	-0.14328146	1813.295776	-1.381018639
5/8/11 7:48	10996.28809	-1.143115997	1812.766968	0.142231941	1813.970581	-1.623494148	1812.058228	-0.065496445	1813.685547	-0.13041544	1813.308716	-1.376808167
5/8/11 8:05	11012.94727	-1.147556305	1812.758179	0.137787819	1813.966187	-1.627938271	1812.053833	-0.074272156	1813.676758	-0.139191628	1813.299927	-1.381252289
5/8/11 8:22	11029.6084	-1.148729324	1812.761353	0.136618614	1813.964966	-1.620451927	1812.061279	-0.07544136	1813.675537	-0.144688129	1813.294434	-1.378093719
5/8/11 8:38	11046.28516	-1.151996613	1812.753784	0.133345604	1813.96167	-1.623724937	1812.057983	-0.078714371	1813.672363	-0.156611919	1813.282471	-1.381371498
5/8/11 8:55	11062.93848	-1.148839951	1812.76123	0.14515686	1813.973511	-1.620569229	1812.061157	-0.066902161	1813.684082	-0.149132252	1813.289917	-1.38254261
5/8/11 9:12	11079.59766	-1.154340744	1812.750366	0.268440247	1814.096802	-1.622790337	1812.05896	-0.081054688	1813.669922	-0.158956528	1813.279053	-1.388038635
5/8/11 11:58	11246.22461	-1.164045334	1812.746094	0.242479324	1814.070801	-1.635772705	1812.045898	-0.095085144	1813.655884	-0.18596983	1813.253174	-1.393418312
5/8/11 14:45	11412.84082	-1.181585312	1812.732788	0.220610619	1814.04895	-1.640331268	1812.041382	-0.116954803	1813.634033	-0.212166309	1813.226929	-1.402300835
5/8/11 17:32	11579.46484	-1.200302124	1812.70874	0.148914337	1813.977295	-1.655763626	1812.026001	-0.152980804	1813.598022	-0.252516747	1813.185547	-1.425344467
5/8/11 20:18	11746.08008	-1.223339081	1812.686768	-0.007237434	1813.821045	-1.682079315	1811.999634	-0.15871048	1813.592285	-0.271233559	1813.167847	-1.444057465
5/8/11 23:05	11912.70801	-1.23925209	1812.670898	-0.040460587	1813.787842	-1.702315331	1811.97937	-0.178947449	1813.572021	-0.282814026	1813.151978	-1.46429348
5/9/11 1:52	12079.33105	-1.236442566	1812.672607	-0.033324242	1813.79834	-1.703838348	1811.976807	-0.180461884	1813.570557	-0.288660526	1813.149414	-1.465811729
5/9/11 4:38	12245.95605	-1.251878738	1812.658203	-0.057415962	1813.770874	-1.667340279	1812.014404	-0.178592682	1813.572388	-0.304097652	1813.13501	-1.48557663
5/9/11 7:25	12412.58398	-1.276676178	1812.632324	-0.099527359	1813.753784	-1.731089592	1811.949585	-0.22069931	1813.530273	-0.324571133	1813.113525	-1.501718521
5/9/11 10:12	12579.20117	-1.322063446	1812.588013	0.028198242	1813.856567	-1.767821312	1811.91394	-0.270414352	1813.480591	-0.339656353	1813.099487	-1.534122467
5/9/11 12:58	12745.81543	-1.350482941	1812.55957	0.004110336	1813.83252	-1.791913986	1811.889771	-0.290178299	1813.460815	-0.355097771	1813.083984	-1.558214188

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW49D_WLD	MW49D_WLE	MW50B_WLD	MW50B_WLE	MW50C_WLD	MW50C_WLE	MW50D_WLD	MW50D_WLE	MW51B_WLD	MW51B_WLE	MW51C_WLD
5/9/11 15:45	12912.44727	-1.32954216	1812.580566	-0.018230438	1813.810059	-1.77530098	1811.906372	-0.277893066	1813.473145	-0.351468086	1813.087646	-1.541602135
5/9/11 18:32	13079.07129	-1.73342514	1812.176636	-0.010974884	1813.808716	-2.109938622	1811.567505	-0.690431595	1813.060547	-0.370178223	1813.06897	-1.794011116
5/9/11 21:18	13245.69336	-1.864784241	1812.045288	-0.176953316	1813.651367	-2.249951363	1811.431763	-0.817461014	1812.933594	-0.380358696	1813.058716	-1.929696083
5/10/11 0:05	13412.30078	-1.892505646	1812.017578	-0.165726662	1813.662598	-2.217086792	1811.460327	-0.810558319	1812.94043	-0.382115364	1813.057007	-1.957422256
5/10/11 2:52	13578.92676	-1.87203598	1812.036987	-0.158240318	1813.670166	-6.208453178	1807.473267	-5.342900276	1808.408081	-0.370301247	1813.067749	-1.945604324
5/10/11 5:38	13745.55469	-1.878702164	1812.031372	-10.52229953	1803.307129	-14.63799953	1799.0448	-14.11328888	1799.637695	-0.38129425	1813.057861	-1.952273369
5/10/11 8:25	13912.16602	-1.910879135	1811.999268	-0.179773331	1813.64856	-2.27440834	1811.407349	-0.863557816	1812.887451	-0.374518871	1813.064575	-1.975787163
5/10/11 11:12	14078.79785	-1.898248672	1812.011841	0.005965233	1813.834351	-2.283420563	1811.398315	-0.855255127	1812.895752	-0.348909855	1813.09021	-1.9848032
5/10/11 13:58	14245.4082	-1.853216171	1812.056885	0.004448891	1813.832764	-2.224346161	1811.457397	-0.810222626	1812.940796	-0.338493824	1813.100586	-1.922455788
5/10/11 16:45	14412.03418	-1.891460419	1812.018677	-0.000224113	1813.828125	-2.25066185	1811.43103	-0.844142914	1812.90686	-0.33346653	1813.105591	-1.947721481
5/10/11 19:32	14578.66016	-1.903390884	1812.006714	0.013806343	1813.842163	-2.262597084	1811.419189	-0.860401154	1812.890625	-0.341069221	1813.098022	-1.959651947
5/10/11 22:18	14745.27637	-1.890411377	1812.019653	-0.150650978	1813.677734	-2.219321251	1811.462402	-0.825780869	1812.925293	-0.358384132	1813.080688	-1.955324173
5/11/11 1:05	14911.90234	-1.891347885	1812.018799	-0.125616074	1813.702759	-8.651309967	1805.030396	-7.898283005	1805.852783	-0.320366859	1813.118774	-1.947605133
5/11/11 3:52	15078.51758	-1.882575989	1812.027588	-16.00838947	1797.819946	-17.27642517	1796.405273	-16.92154688	1796.829468	-0.320254803	1813.118896	-1.938837051
5/11/11 6:38	15245.15137	-1.900352478	1812.009766	-25.28325653	1788.545044	-23.74257231	1789.939209	-23.73391628	1790.01709	-0.316393852	1813.122681	-1.95228672
5/11/11 9:25	15411.76953	-1.869716644	1812.040405	-0.112640381	1813.715698	-2.224590302	1811.457153	-0.818061829	1812.932983	-0.311718464	1813.127441	-1.938956261
5/11/11 12:12	15578.3877	-1.757070541	1812.157349	-0.108193398	1813.720215	-2.150898933	1811.530762	-0.709749222	1813.04126	-0.315927029	1813.118896	-1.895561218
5/11/11 14:58	15745.00391	-1.359031677	1812.551025	-0.073685646	1813.754639	-1.761509895	1811.920166	-0.290073395	1813.460938	-0.272763729	1813.166382	-1.566763878
5/11/11 17:45	15911.62402	-1.287687302	1812.621338	-0.0153265	1813.812012	-1.720461845	1811.960205	-0.244691849	1813.506348	-0.348559856	1813.089478	-1.521384239
5/11/11 20:32	16078.25977	-1.279495239	1812.630615	-0.119653702	1813.70874	-2.538870811	1811.142822	-1.465589523	1812.2854	-0.314404011	1813.124756	-1.500210762
5/11/11 23:18	16244.87988	-1.255405426	1812.654663	-15.21676445	1798.611572	-16.66224027	1797.019531	-16.26841152	1797.482666	-0.311951637	1813.122803	-1.480447769
5/12/11 2:05	16411.49414	-1.235168457	1812.673828	-30.08403015	1783.744385	-27.73838329	1785.943359	-28.20250607	1785.548462	-0.317679405	1813.120361	-1.460209846
5/12/11 4:52	16578.11719	-1.228616714	1812.681519	-32.8981266	1780.929199	-30.38802624	1783.292603	-32.80829716	1780.942749	-0.319783688	1813.119385	-1.462314606
5/12/11 15:58	17244.60156	-1.245927811	1812.664185	-0.025494576	1813.802856	-1.674375534	1812.007324	-0.21591568	1813.535156	-0.337098598	1813.102051	-1.462314606

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW51C_WLE	MW51D_WLD	MW51D_WLE	BarometricPress
4/30/11 16:29	2.551150084	1813.436768	-0.060106277	1813.515015	30.34260559
4/30/11 16:39	9.998366356	1812.873169	-0.056259155	1813.457642	30.34353638
4/30/11 16:49	19.99691582	1812.432739	-0.107141495	1813.40686	30.34260559
4/30/11 16:59	29.99004936	1812.230347	-0.118135452	1813.394775	30.33795547
4/30/11 17:09	39.98183441	1812.129761	-0.120243073	1813.393677	30.33888626
4/30/11 17:19	49.97788239	1812.071411	-0.130886078	1813.383057	30.34446907
4/30/11 17:29	59.9766655	1812.040161	-0.131940842	1813.381958	30.34539986
4/30/11 17:39	69.97721863	1812.025024	-0.129716873	1813.384277	30.34725952
4/30/11 17:49	79.97341919	1812.014404	-0.127380371	1813.386597	30.35284424
4/30/11 17:59	89.97554779	1812.006836	-0.126209259	1813.387695	30.35563278
4/30/11 18:09	99.9717865	1812.005737	-0.127380371	1813.386597	30.35284424
4/30/11 18:19	109.9689636	1812.003784	-0.125041962	1813.388916	30.35842705
4/30/11 18:29	119.956665	1812.004883	-0.132526398	1813.38147	30.3612175
4/30/11 18:39	129.9540863	1812.008179	-0.12925148	1813.384766	30.36214638
4/30/11 18:49	139.9494781	1812.004883	-0.12387085	1813.390137	30.3612175
4/30/11 18:59	149.9534149	1812.003906	-0.120481491	1813.38916	30.36587143
4/30/11 19:09	159.960968	1812.003052	-0.124689102	1813.388184	30.36959076
4/30/11 19:19	169.9581451	1812.00415	-0.124574661	1813.389404	30.3733139
4/30/11 19:29	179.9511261	1812.003174	-0.121295929	1813.3927	30.37424469
4/30/11 19:39	189.9528656	1812.00647	-0.122346878	1813.391602	30.37517357
4/30/11 19:49	199.947876	1812.006592	-0.126558304	1813.387451	30.37889671
4/30/11 19:59	209.9439545	1812.006592	-0.12644577	1813.387451	30.38261795
4/30/11 20:09	219.9481049	1812.007813	-0.120950699	1813.393066	30.3854084
4/30/11 20:19	229.9294434	1812.002563	-0.130537033	1813.383423	30.39006042
4/30/11 20:29	239.9272766	1812.006958	-0.126094818	1813.387817	30.39378548
4/30/11 20:39	249.9377594	1812.012451	-0.128198624	1813.384766	30.39657402
4/30/11 20:49	259.9354858	1812.003906	-0.124809265	1813.38916	30.40029907
4/30/11 20:59	269.9232483	1812.009521	-0.119310379	1813.394653	30.40308762
4/30/11 21:09	279.9238892	1812.009521	-0.123523712	1813.390381	30.40681267
4/30/11 21:19	289.9251099	1812.009644	-0.127733231	1813.38623	30.40960121
4/30/11 21:29	299.9246216	1812.009766	-0.124345779	1813.390625	30.41425514
4/30/11 21:39	309.9195862	1812.005615	-0.123174667	1813.390747	30.41797829
4/30/11 21:49	319.918335	1812.014404	-0.123060226	1813.390869	30.42169952
4/30/11 21:59	329.9153442	1812.010132	-0.12727356	1813.386719	30.42542267
4/30/11 22:09	339.9111023	1812.011353	-0.117443085	1813.396484	30.42821312
4/30/11 22:19	349.9128113	1812.022217	-0.116275787	1813.398682	30.43007469
4/30/11 22:29	359.9077759	1812.019043	-0.114053726	1813.399902	30.43286514
4/30/11 22:39	369.9070129	1812.024536	-0.121538162	1813.392456	30.43565559
4/30/11 22:49	379.9004211	1812.027832	-0.113937378	1813.400024	30.43658829
4/30/11 22:59	389.9001465	1812.026733	-0.110658646	1813.40332	30.43751907
4/30/11 23:09	399.8978577	1812.027954	-0.108440399	1813.404419	30.43937874
4/30/11 23:19	409.8957214	1812.026855	-0.106212616	1813.407715	30.4412384
4/30/11 23:29	419.8928528	1812.035645	-0.10610199	1813.407837	30.44496346
4/30/11 23:39	429.8929138	1812.034668	-0.108207703	1813.406738	30.44589233
4/30/11 23:49	439.8961182	1812.032471	-0.100603104	1813.41333	30.447752
4/30/11 23:59	449.8925171	1812.037964	-0.099435806	1813.414551	30.45054436
5/1/11 0:09	459.879425	1812.039185	-0.093938828	1813.420044	30.45333672
5/1/11 0:19	469.8830261	1812.045654	-0.09709549	1813.417969	30.45519638

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DateAndTime	ElapsedTime (min)	MW51C_WLE	MW51D_WLD	MW51D_WLE	BarometricPress
5/1/11 0:29	479.881073	1812.04895	-0.09709549	1813.41687	30.45612526
5/1/11 0:39	489.8788452	1812.054443	-0.091600418	1813.422363	30.45891953
5/1/11 0:49	499.8612976	1812.03833	-0.085050583	1813.427856	30.46170998
5/1/11 0:59	509.8616943	1812.053589	-0.092533112	1813.421387	30.46357155
5/1/11 1:09	519.8577881	1812.055786	-0.085983276	1813.427979	30.46543312
5/1/11 1:19	529.8606567	1812.055786	-0.089262009	1813.423584	30.46543312
5/1/11 1:29	539.8572388	1812.067749	-0.072999954	1813.439941	30.46636391
5/1/11 1:39	549.8531494	1812.069824	-0.076274872	1813.437622	30.46450233
5/1/11 1:49	559.8547363	1812.069824	-0.076274872	1813.437622	30.46450233
5/1/11 1:59	569.8573608	1812.074097	-0.076274872	1813.437622	30.46450233
5/1/11 2:09	579.8534546	1812.072021	-0.069730759	1813.444214	30.46636391
5/1/11 2:19	589.8516235	1812.07959	-0.066450119	1813.44751	30.46729279
5/1/11 2:29	599.8493652	1812.080566	-0.061183929	1813.452759	30.46263885
5/1/11 2:39	609.8544312	1812.084961	-0.061183929	1813.452759	30.46263885
5/1/11 2:49	619.8500366	1812.085815	-0.060253143	1813.453735	30.45798874
5/1/11 2:59	629.8358154	1812.086914	-0.05814743	1813.454712	30.45705795
5/1/11 3:09	639.8425293	1812.095581	-0.054868698	1813.459106	30.45705795
5/1/11 3:19	649.840332	1812.088013	-0.049373627	1813.4646	30.45985031
5/1/11 3:29	659.8231201	1812.089233	-0.048202515	1813.465698	30.46263885
5/1/11 3:39	669.822876	1812.091431	-0.045980453	1813.468018	30.46450233
5/1/11 3:49	679.8244629	1812.101196	-0.04060173	1813.473389	30.46357155
5/1/11 3:59	689.817688	1812.105469	-0.04060173	1813.473389	30.46263885
5/1/11 4:09	699.8319702	1812.108643	-0.037443161	1813.476563	30.46077919
5/1/11 4:19	709.8260498	1812.112915	-0.033115387	1813.480835	30.46077919
5/1/11 4:29	719.821228	1812.108643	-0.029838562	1813.485107	30.46077919
5/1/11 4:39	729.8097534	1812.116211	-0.029838562	1813.484131	30.46170998
5/1/11 4:49	739.8087769	1812.116211	-0.030891418	1813.484131	30.46170998
5/1/11 4:59	749.8054199	1812.121582	-0.023403168	1813.489502	30.45985031
5/1/11 5:09	759.8016968	1812.122681	-0.01474762	1813.499268	30.45985031
5/1/11 5:19	769.7966919	1812.123901	-0.013580322	1813.500366	30.46263885
5/1/11 5:29	779.7998047	1812.127075	-0.010307312	1813.503662	30.46357155
5/1/11 5:39	789.7988892	1812.125	-0.008087158	1813.505859	30.46543312
5/1/11 5:49	799.7960815	1812.133667	-0.008087158	1813.505859	30.46543312
5/1/11 5:59	809.7993774	1812.132568	-0.010190964	1813.504761	30.46729279
5/1/11 6:09	819.8001709	1812.137085	-0.00469017	1813.509277	30.47008514
5/1/11 6:19	829.7947388	1812.133911	-0.002473831	1813.506104	30.4728775
5/1/11 6:29	839.7921143	1812.136108	0.007356644	1813.512695	30.47473717
5/1/11 6:39	849.7927856	1812.140503	0.001972198	1813.516968	30.47473717
5/1/11 6:49	859.7770996	1812.13623	-0.001188278	1813.512817	30.47846031
5/1/11 6:59	869.7738037	1812.140625	-1.34E-05	1813.512939	30.48217964
5/1/11 7:09	879.7728882	1812.140625	0.00758934	1813.521484	30.48217964
5/1/11 7:19	889.7697144	1812.142944	0.006536484	1813.519409	30.48404121
5/1/11 7:29	899.7668457	1812.141846	0.004428864	1813.514038	30.48497391
5/1/11 7:39	909.7659912	1812.149292	0.01086235	1813.521484	30.48217964
5/1/11 7:49	919.7631836	1812.147217	0.005483627	1813.519409	30.48404121
5/1/11 7:59	929.7573853	1812.149292	0.00758934	1813.521484	30.48217964
5/1/11 8:09	939.7544556	1812.153564	0.011798859	1813.521484	30.47846031
5/1/11 8:19	949.7680054	1812.148315	0.006536484	1813.520508	30.48311234

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DateAndTime	ElapsedTime (min)	MW51C_WLE	MW51D_WLD	MW51D_WLE	BarometricPress
5/1/11 8:29	959.7615967	1812.147217	0.005483627	1813.519409	30.48404121
5/1/11 8:39	969.7555542	1812.14624	0.004428864	1813.518433	30.48497391
5/1/11 8:49	979.753479	1812.148438	0.006652832	1813.52063	30.48683357
5/1/11 8:59	989.7450562	1812.155884	0.009811401	1813.528076	30.48404121
5/1/11 9:09	999.7601318	1812.148438	0.006652832	1813.52063	30.48683357
5/1/11 9:19	1009.750244	1812.152832	0.002441406	1813.520752	30.49055481
5/1/11 9:29	1019.749146	1812.147461	0.010042191	1813.519653	30.4914875
5/1/11 9:39	1029.747192	1812.143311	0.00910759	1813.52417	30.49520683
5/1/11 9:49	1039.740234	1812.151978	0.005947113	1813.519897	30.49893188
5/1/11 9:59	1049.738892	1812.148804	0.006999969	1813.525269	30.4980011
5/1/11 10:09	1059.74707	1812.148804	0.002672195	1813.516602	30.4980011
5/1/11 10:19	1069.72522	1812.148926	0.011445999	1813.525391	30.50172043
5/1/11 10:29	1079.729004	1812.147827	0.007118225	1813.515625	30.50265312
5/1/11 10:39	1089.724976	1812.148926	0.007118225	1813.516724	30.50172043
5/1/11 10:49	1099.723145	1812.144653	-0.001420975	1813.512573	30.50544357
5/1/11 10:59	1109.720703	1812.146851	-0.003526688	1813.510376	30.50730515
5/1/11 11:09	1119.717285	1812.14917	0.003023148	1813.516968	30.50916672
5/1/11 11:19	1129.715332	1812.141602	-0.000135422	1813.513794	30.51195717
5/1/11 11:29	1139.710205	1812.144775	-0.001304626	1813.516968	30.50916672
5/1/11 11:39	1149.706421	1812.144775	-0.001304626	1813.508301	30.50916672
5/1/11 11:49	1159.718628	1812.139404	-0.006687164	1813.507324	30.5100975
5/1/11 11:59	1169.719971	1812.144775	-0.009960175	1813.504028	30.50916672
5/1/11 12:09	1179.701172	1812.144653	-0.005748749	1813.508179	30.50544357
5/1/11 12:19	1189.705322	1812.140381	-0.010076523	1813.503906	30.50544357
5/1/11 12:29	1199.699097	1812.13916	-0.015573502	1813.498413	30.50265312
5/1/11 12:39	1209.700073	1812.140259	-0.010190964	1813.503784	30.50172043
5/1/11 12:49	1219.697754	1812.137085	-0.012300491	1813.50061	30.50451469
5/1/11 12:59	1229.688965	1812.13916	-0.011245728	1813.502686	30.50265312
5/1/11 13:09	1239.687256	1812.137939	-0.012414932	1813.501587	30.49986076
5/1/11 13:19	1249.681152	1812.135864	-0.010190964	1813.49939	30.50172043
5/1/11 13:29	1259.67981	1812.141113	-0.009256363	1813.504639	30.49706841
5/1/11 13:39	1269.67688	1812.142212	-0.003875732	1813.510132	30.49613953
5/1/11 13:49	1279.674561	1812.144409	-0.007034302	1813.507935	30.49893188
5/1/11 13:59	1289.690552	1812.137939	-0.008087158	1813.505859	30.49986076
5/1/11 14:09	1299.670654	1812.146606	0.00056839	1813.510254	30.49986076
5/1/11 14:19	1309.682495	1812.142334	-0.008087158	1813.505859	30.49986076
5/1/11 14:29	1319.666016	1812.146606	-0.009140015	1813.510254	30.49986076
5/1/11 14:39	1329.680908	1812.14563	-0.009140015	1813.504761	30.50079155
5/1/11 14:49	1339.670898	1812.147705	0.001621246	1813.515625	30.49893188
5/1/11 14:59	1349.670776	1812.14563	-0.004812241	1813.509155	30.50079155
5/1/11 15:09	1359.66748	1812.14563	-0.000484467	1813.513428	30.50079155
5/1/11 15:19	1369.665039	1812.14978	-0.003875732	1813.509033	30.49613953
5/1/11 15:29	1379.666382	1812.144287	-0.00177002	1813.512207	30.49427795
5/1/11 15:39	1389.665039	1812.150757	-0.003992081	1813.51001	30.49241829
5/1/11 15:49	1399.647217	1812.152832	0.002441406	1813.516357	30.49055481
5/1/11 15:59	1409.646118	1812.146362	0.001386642	1813.514282	30.49241829
5/1/11 16:09	1419.645264	1812.157227	0.00676918	1813.520752	30.49055481
5/1/11 16:19	1429.639771	1812.150635	0.004547119	1813.518555	30.48869324

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DateAndTime	ElapsedTime (min)	MW51C_WLE	MW51D_WLD	MW51D_WLE	BarometricPress
5/1/11 16:29	1439.636475	1812.15271	0.002325058	1813.516235	30.48683357
5/1/11 16:39	1449.648315	1812.158081	-0.000955582	1813.512939	30.48590469
5/1/11 16:49	1459.631104	1812.153809	0.007703781	1813.521606	30.48590469
5/1/11 16:59	1469.628906	1812.155884	0.008756638	1813.523804	30.48404121
5/1/11 17:09	1479.625854	1812.155884	0.009811401	1813.523804	30.48404121
5/1/11 17:19	1489.62439	1812.160278	0.014139175	1813.528076	30.48404121
5/1/11 17:29	1499.62207	1812.15918	0.013084412	1813.5271	30.48497391
5/1/11 17:39	1509.622559	1812.155884	0.009811401	1813.523804	30.48404121
5/1/11 17:49	1519.621948	1812.160278	0.009811401	1813.523804	30.48404121
5/1/11 17:59	1529.623169	1812.166626	0.01086235	1813.525879	30.48217964
5/1/11 18:09	1539.619629	1812.160278	0.013084412	1813.528076	30.48404121
5/1/11 18:19	1549.622559	1812.163452	0.012031555	1813.5271	30.48590469
5/1/11 18:29	1559.610474	1812.158081	0.016359329	1813.530273	30.48590469
5/1/11 18:39	1569.606567	1812.15918	0.017412186	1813.531372	30.48497391
5/1/11 18:49	1579.605103	1812.163452	0.013084412	1813.5271	30.48497391
5/1/11 18:59	1589.605225	1812.162476	0.016359329	1813.530273	30.48590469
5/1/11 19:09	1599.606445	1812.161377	0.01530838	1813.529297	30.48683357
5/1/11 19:19	1609.600952	1812.170044	0.032617569	1813.546631	30.48683357
5/1/11 19:29	1619.597168	1812.170044	0.019634247	1813.533569	30.48683357
5/1/11 19:39	1629.599731	1812.168945	0.022911072	1813.536865	30.48776436
5/1/11 19:49	1639.591675	1812.159302	0.013202667	1813.5271	30.48869324
5/1/11 19:59	1649.584351	1812.158203	0.012147903	1813.526123	30.48962593
5/1/11 20:09	1659.59436	1812.1604	0.005714417	1813.519653	30.4914875
5/1/11 20:19	1669.585815	1812.158325	0.012266159	1813.526245	30.49334717
5/1/11 20:29	1679.580811	1812.163818	0.01776123	1813.531738	30.49613953
5/1/11 20:39	1689.576782	1812.158447	0.012382507	1813.526367	30.49706841
5/1/11 20:49	1699.577759	1812.166016	0.015655518	1813.529663	30.4980011
5/1/11 20:59	1709.586304	1812.16394	0.009223938	1813.523193	30.50079155
5/1/11 21:09	1719.581299	1812.165161	0.006065369	1813.52002	30.50265312
5/1/11 21:19	1729.581055	1812.158691	0.012613297	1813.526611	30.50451469
5/1/11 21:29	1739.563477	1812.156616	0.009456635	1813.524414	30.50637436
5/1/11 21:39	1749.560181	1812.156738	0.010623932	1813.524536	30.5100975
5/1/11 21:49	1759.557617	1812.162231	0.00746727	1813.521484	30.51288795
5/1/11 21:59	1769.557129	1812.15686	0.015069962	1813.529053	30.51381874
5/1/11 22:09	1779.554077	1812.154663	0.012962341	1813.526855	30.51568031
5/1/11 22:19	1789.557861	1812.157959	0.010856628	1813.525879	30.51660919
5/1/11 22:29	1799.557373	1812.156982	0.006528854	1813.520508	30.51754189
5/1/11 22:39	1809.55481	1812.155884	0.001150131	1813.515137	30.51847076
5/1/11 22:49	1819.551758	1812.15918	0.004425049	1813.518433	30.51940155
5/1/11 22:59	1829.546509	1812.153809	0.003372192	1813.517334	30.52033234
5/1/11 23:09	1839.539307	1812.156006	0.005596161	1813.519531	30.522192
5/1/11 23:19	1849.550415	1812.154907	0.004541397	1813.518555	30.52312279
5/1/11 23:29	1859.549072	1812.153931	0.003488541	1813.517456	30.52405357
5/1/11 23:39	1869.531494	1812.157227	-0.00189209	1813.512085	30.52498436
5/1/11 23:49	1879.530762	1812.152832	-0.00189209	1813.512085	30.52498436
5/1/11 23:59	1889.539551	1812.157227	0.002435684	1813.520752	30.52498436
5/2/11 0:09	1899.542114	1812.159424	0.008985519	1813.522949	30.52684402
5/2/11 0:19	1909.532227	1812.16272	0.007932663	1813.521851	30.52777481

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DateAndTime	ElapsedTime (min)	MW51C_WLE	MW51D_WLD	MW51D_WLE	BarometricPress
5/2/11 0:29	1919.529785	1812.166016	0.006881714	1813.520874	30.5287056
5/2/11 0:39	1929.521362	1812.163818	0.009101868	1813.523071	30.53056717
5/2/11 0:49	1939.518555	1812.167114	0.016708374	1813.53064	30.53149796
5/2/11 0:59	1949.516357	1812.169312	0.015655518	1813.528564	30.53335762
5/2/11 1:09	1959.508789	1812.165039	0.014602661	1813.528564	30.53335762
5/2/11 1:19	1969.519775	1812.168335	0.017873764	1813.53186	30.53428841
5/2/11 1:29	1979.518677	1812.172607	0.022205353	1813.536133	30.53428841
5/2/11 1:39	1989.518921	1812.172607	0.026529312	1813.540527	30.53428841
5/2/11 1:49	1999.516846	1812.177002	0.026529312	1813.5448	30.53428841
5/2/11 1:59	2009.499146	1812.181274	0.026529312	1813.540527	30.53428841
5/2/11 2:09	2019.507568	1812.182373	0.031913757	1813.545898	30.53335762
5/2/11 2:19	2029.502441	1812.18335	0.03729248	1813.55127	30.53242874
5/2/11 2:29	2039.500854	1812.18335	0.03729248	1813.55127	30.53242874
5/2/11 2:39	2049.498047	1812.186646	0.036241531	1813.550171	30.53335762
5/2/11 2:49	2059.484375	1812.192017	0.04161644	1813.555542	30.53242874
5/2/11 2:59	2069.48291	1812.196411	0.045948029	1813.559937	30.53242874
5/2/11 3:09	2079.496338	1812.200684	0.054603577	1813.568604	30.53242874
5/2/11 3:19	2089.478027	1812.203979	0.05787468	1813.571777	30.53335762
5/2/11 3:29	2099.477783	1812.200806	0.05471611	1813.568604	30.53614998
5/2/11 3:39	2109.487549	1812.193359	0.064544678	1813.582764	30.53894234
5/2/11 3:49	2119.486084	1812.20752	0.074371338	1813.575317	30.54173279
5/2/11 3:59	2129.496338	1812.206543	0.064777374	1813.578735	30.5473156
5/2/11 4:09	2139.475342	1812.21521	0.069105148	1813.583008	30.54638481
5/2/11 4:19	2149.474121	1812.217407	0.075656891	1813.598267	30.54824448
5/2/11 4:29	2159.470703	1812.21106	0.057407379	1813.574585	30.55382919
5/2/11 4:39	2169.468018	1812.216431	0.070390701	1813.59729	30.55289841
5/2/11 4:49	2179.46875	1812.215454	0.065010071	1813.583252	30.55382919
5/2/11 4:59	2189.466309	1812.21106	0.073665619	1813.587646	30.55382919
5/2/11 5:09	2199.45874	1812.21875	0.076940536	1813.590942	30.55475807
5/2/11 5:19	2209.455322	1812.219849	0.078107834	1813.592041	30.55755234
5/2/11 5:29	2219.459473	1812.223145	0.077054977	1813.591064	30.55848312
5/2/11 5:39	2229.449707	1812.223145	0.077054977	1813.591064	30.55848312
5/2/11 5:49	2239.445801	1812.227417	0.077054977	1813.595337	30.55848312
5/2/11 5:59	2249.452881	1812.224243	0.082435608	1813.596436	30.55755234
5/2/11 6:09	2259.451416	1812.227417	0.085710526	1813.599609	30.55848312
5/2/11 6:19	2269.447021	1812.228516	0.082435608	1813.600708	30.55755234
5/2/11 6:29	2279.442139	1812.231812	0.085710526	1813.599609	30.55848312
5/2/11 6:39	2289.440186	1812.228638	0.091209412	1813.605225	30.56127167
5/2/11 6:49	2299.436523	1812.235229	0.097759247	1813.607422	30.56313515
5/2/11 6:59	2309.432129	1812.237427	0.091327667	1813.605225	30.56499672
5/2/11 7:09	2319.422119	1812.233154	0.091440201	1813.609741	30.56871796
5/2/11 7:19	2329.419678	1812.22998	0.089334488	1813.606567	30.57151031
5/2/11 7:29	2339.431396	1812.236694	0.086296082	1813.60022	30.57709312
5/2/11 7:39	2349.41333	1812.229248	0.096118927	1813.605713	30.57988358
5/2/11 7:49	2359.411865	1812.227173	0.090744019	1813.599365	30.58174515
5/2/11 7:59	2369.42627	1812.22937	0.087581635	1813.597168	30.58267403
5/2/11 8:09	2379.420898	1812.231567	0.085477829	1813.599365	30.58546638
5/2/11 8:19	2389.417236	1812.232666	0.08231926	1813.596313	30.58825874

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DateAndTime	ElapsedTime (min)	MW51C_WLE	MW51D_WLD	MW51D_WLE	BarometricPress
5/2/11 8:29	2399.406738	1812.231689	0.085590363	1813.599487	30.58918762
5/2/11 8:39	2409.401611	1812.235107	0.08032608	1813.598633	30.59383965
5/2/11 8:49	2419.400879	1812.226563	0.077167511	1813.590088	30.59756279
5/2/11 8:59	2429.402588	1812.221191	0.079389572	1813.593384	30.59849358
5/2/11 9:09	2439.40332	1812.21582	0.06968689	1813.583618	30.59942436
5/2/11 9:19	2449.401367	1812.223389	0.072957993	1813.586914	30.60035324
5/2/11 9:29	2459.397217	1812.216919	0.075178146	1813.589111	30.60221481
5/2/11 9:39	2469.395752	1812.21814	0.072019577	1813.585938	30.60500717
5/2/11 9:49	2479.39209	1812.216064	0.069915771	1813.583862	30.60686684
5/2/11 9:59	2489.388672	1812.214966	0.073194504	1813.587158	30.60779762
5/2/11 10:09	2499.385254	1812.219238	0.068862915	1813.582764	30.60779762
5/2/11 10:19	2509.378174	1812.224609	0.068862915	1813.583862	30.60779762
5/2/11 10:29	2519.37793	1812.212891	0.066757202	1813.580688	30.60965919
5/2/11 10:39	2529.375244	1812.220459	0.070034027	1813.583984	30.61058998
5/2/11 10:49	2539.369141	1812.21936	0.064649582	1813.578613	30.61152077
5/2/11 10:59	2549.376465	1812.216064	0.065702438	1813.57959	30.61058998
5/2/11 11:09	2559.382324	1812.216064	0.064649582	1813.57959	30.61058998
5/2/11 11:19	2569.375244	1812.21936	0.07330513	1813.58728	30.61152077
5/2/11 11:29	2579.378662	1812.218384	0.072252274	1813.586182	30.61244965
5/2/11 11:39	2589.356445	1812.222656	0.072252274	1813.586182	30.61244965
5/2/11 11:49	2599.36792	1812.229126	0.077636719	1813.592651	30.61152077
5/2/11 11:59	2609.36499	1812.228027	0.081960678	1813.595947	30.61152077
5/2/11 12:09	2619.362305	1812.223755	0.077636719	1813.591553	30.61152077
5/2/11 12:19	2629.360352	1812.224731	0.077636719	1813.592651	30.61152077
5/2/11 12:29	2639.361328	1812.228027	0.081960678	1813.595947	30.61152077
5/2/11 12:39	2649.344482	1812.226929	0.076463699	1813.590454	30.60872841
5/2/11 12:49	2659.339355	1812.2323	0.076463699	1813.591431	30.60779762
5/2/11 12:59	2669.335938	1812.231201	0.085119247	1813.599121	30.60872841
5/2/11 13:09	2679.333984	1812.227905	0.082902908	1813.595825	30.60686684
5/2/11 13:19	2689.345459	1812.22998	0.079622269	1813.593628	30.60593796
5/2/11 13:29	2699.345703	1812.226807	0.075300217	1813.590332	30.60593796
5/2/11 13:39	2709.337891	1812.228882	0.087112427	1813.601074	30.6031456
5/2/11 13:49	2719.338135	1812.235352	0.083833694	1813.598877	30.60128403
5/2/11 13:59	2729.335693	1812.236328	0.085939407	1813.599854	30.60035324
5/2/11 14:09	2739.329102	1812.238403	0.08804512	1813.602051	30.59849358
5/2/11 14:19	2749.330811	1812.229858	0.089096069	1813.602051	30.59849358
5/2/11 14:29	2759.324219	1812.235229	0.089096069	1813.603027	30.59756279
5/2/11 14:39	2769.327148	1812.242676	0.092258453	1813.606201	30.59477043
5/2/11 14:49	2779.323975	1812.240479	0.0900383	1813.604004	30.59291077
5/2/11 14:59	2789.320557	1812.241455	0.091091156	1813.60498	30.59197998
5/2/11 15:09	2799.305176	1812.242554	0.10185051	1813.614746	30.5910511
5/2/11 15:19	2809.324219	1812.247925	0.102905273	1813.615845	30.58918762
5/2/11 15:29	2819.321045	1812.252197	0.107114792	1813.619995	30.58639717
5/2/11 15:39	2829.304688	1812.254272	0.0995121	1813.613525	30.58453751
5/2/11 15:49	2839.297363	1812.253052	0.106994629	1813.620972	30.58174515
5/2/11 15:59	2849.302002	1812.257446	0.111326218	1813.625244	30.58174515
5/2/11 16:09	2859.29541	1812.257446	0.111326218	1813.625244	30.58174515
5/2/11 16:19	2869.293457	1812.257446	0.115650177	1813.629639	30.58174515

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DateAndTime	ElapsedTime (min)	MW51C_WLE	MW51D_WLD	MW51D_WLE	BarometricPress
5/2/11 16:29	2879.296631	1812.26062	0.115537643	1813.628418	30.57802391
5/2/11 16:30	2879.983643	1812.270264	0.115537643	1813.629517	30.57802391
5/2/11 16:30	2880.150391	1812.263794	0.11775589	1813.631714	30.57988358
5/2/11 16:30	2880.317627	1812.259521	0.11775589	1813.627441	30.57988358
5/2/11 16:30	2880.48584	1812.263794	0.11775589	1813.631714	30.57988358
5/2/11 16:30	2880.652588	1812.263794	0.113433838	1813.627441	30.57988358
5/2/11 16:31	2880.820313	1812.268188	0.113433838	1813.627441	30.57988358
5/2/11 16:31	2880.987305	1812.276855	0.113433838	1813.627441	30.57988358
5/2/11 16:31	2881.154541	1812.281128	0.114484787	1813.627441	30.57988358
5/2/11 16:31	2881.322754	1812.295166	0.109100342	1813.628418	30.57895279
5/2/11 16:31	2881.489746	1812.294189	0.113433838	1813.627441	30.57895279
5/2/11 16:31	2881.656982	1812.311401	0.113433838	1813.623047	30.57988358
5/2/11 16:32	2881.825195	1812.316772	0.113433838	1813.628418	30.57895279
5/2/11 16:32	2881.992432	1812.334106	0.118808746	1813.632813	30.57895279
5/2/11 16:32	2882.159912	1812.337402	0.114484787	1813.627441	30.57895279
5/2/11 16:32	2882.326904	1812.346069	0.114484787	1813.627441	30.57988358
5/2/11 16:32	2882.494141	1812.360107	0.113433838	1813.628418	30.57895279
5/2/11 16:32	2882.661865	1812.367676	0.118808746	1813.627441	30.57988358
5/2/11 16:33	2882.829346	1812.377441	0.118808746	1813.632813	30.57895279
5/2/11 16:33	2882.996582	1812.399048	0.118808746	1813.632813	30.57895279
5/2/11 16:33	2883.163818	1812.40332	0.118808746	1813.632813	30.57988358
5/2/11 16:33	2883.331543	1812.420654	0.11775589	1813.637085	30.57895279
5/2/11 16:33	2883.499268	1812.429321	0.127468109	1813.641357	30.57895279
5/2/11 16:33	2883.666992	1812.442383	0.123140335	1813.637085	30.57895279
5/2/11 16:34	2883.834717	1812.455322	0.123140335	1813.637085	30.57895279
5/2/11 16:34	2884.001953	1812.472656	0.127468109	1813.641357	30.57895279
5/2/11 16:34	2884.168701	1812.476929	0.127468109	1813.641357	30.57895279
5/2/11 16:34	2884.336182	1812.494263	0.127468109	1813.641357	30.57895279
5/2/11 16:34	2884.503662	1812.50293	0.131795883	1813.645752	30.57895279
5/2/11 16:34	2884.671631	1812.515869	0.131795883	1813.645752	30.57895279
5/2/11 16:35	2884.839844	1812.524536	0.127468109	1813.641357	30.57895279
5/2/11 16:35	2884.990479	1812.54187	0.136123657	1813.650024	30.57895279
5/2/11 16:35	2885.157959	1812.546143	0.131795883	1813.645752	30.57895279
5/2/11 16:35	2885.326172	1812.563477	0.136123657	1813.650024	30.57895279
5/2/11 16:35	2885.493652	1812.576538	0.136123657	1813.650024	30.57895279
5/2/11 16:35	2885.661133	1812.585205	0.140451431	1813.654419	30.57895279
5/2/11 16:36	2885.829102	1812.598145	0.140451431	1813.654419	30.57895279
5/2/11 16:36	2885.997314	1812.611084	0.144779205	1813.658691	30.57895279
5/2/11 16:36	2886.164795	1812.619751	0.140451431	1813.654419	30.57895279
5/2/11 16:36	2886.332275	1812.632813	0.149106979	1813.658691	30.57895279
5/2/11 16:36	2886.5	1812.641357	0.149106979	1813.663086	30.57895279
5/2/11 16:36	2886.666992	1812.650024	0.149106979	1813.663086	30.57895279
5/2/11 16:37	2886.834473	1812.663086	0.149106979	1813.663086	30.57895279
5/2/11 16:37	2887.001465	1812.676025	0.153432846	1813.667358	30.57895279
5/2/11 16:37	2887.168457	1812.68042	0.15776062	1813.671753	30.57895279
5/2/11 16:37	2887.336426	1812.697632	0.149106979	1813.663086	30.57895279
5/2/11 16:37	2887.503662	1812.703003	0.15776062	1813.672729	30.57802391
5/2/11 16:37	2887.670654	1812.716064	0.15776062	1813.672729	30.57802391

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DateAndTime	ElapsedTime (min)	MW51C_WLE	MW51D_WLD	MW51D_WLE	BarometricPress
5/2/11 16:38	2887.838623	1812.723633	0.162088394	1813.676025	30.57895279
5/2/11 16:38	2888.005615	1812.740967	0.15776062	1813.671753	30.57802391
5/2/11 16:38	2888.172607	1812.745239	0.162088394	1813.676025	30.57895279
5/2/11 16:38	2888.340088	1812.758301	0.166416168	1813.68042	30.57895279
5/2/11 16:38	2888.507813	1812.766968	0.162088394	1813.676025	30.57895279
5/2/11 16:38	2888.675293	1812.775635	0.166416168	1813.68042	30.57895279
5/2/11 16:39	2888.843018	1812.78418	0.162088394	1813.676025	30.57895279
5/2/11 16:39	2889.01123	1812.797241	0.166416168	1813.68042	30.57895279
5/2/11 16:39	2889.162354	1812.80481	0.166416168	1813.679321	30.57988358
5/2/11 16:39	2889.32959	1812.814453	0.166416168	1813.68042	30.57895279
5/2/11 16:39	2889.49707	1812.818848	0.17401886	1813.688965	30.57895279
5/2/11 16:39	2889.664307	1812.836182	0.175071716	1813.688965	30.57895279
5/2/11 16:40	2889.832275	1812.840454	0.170743942	1813.684692	30.57895279
5/2/11 16:41	2891.508057	1812.922729	0.182674408	1813.697632	30.57895279
5/2/11 16:43	2893.16748	1812.990967	0.195661545	1813.709595	30.57895279
5/2/11 16:45	2894.841064	1813.064453	0.205369949	1813.718262	30.57895279
5/2/11 16:46	2896.497559	1813.121826	0.21402359	1813.728027	30.57895279
5/2/11 16:48	2898.169922	1813.182373	0.222679138	1813.736572	30.57895279
5/2/11 16:50	2899.843506	1813.22998	0.222679138	1813.736572	30.57895279
5/2/11 16:51	2901.503418	1813.273315	0.227006912	1813.740967	30.57895279
5/2/11 16:53	2903.176758	1813.307861	0.232381821	1813.745239	30.57895279
5/2/11 16:55	2904.835693	1813.346802	0.232381821	1813.745239	30.57895279
5/2/11 16:56	2906.510254	1813.385742	0.231330872	1813.745239	30.57895279
5/2/11 16:58	2908.16748	1813.411743	0.23566246	1813.749634	30.57895279
5/2/11 17:00	2909.848389	1813.43335	0.239984512	1813.753906	30.57895279
5/2/11 17:01	2911.50415	1813.459351	0.244318008	1813.758301	30.57895279
5/2/11 17:03	2913.175781	1813.480957	0.244318008	1813.753906	30.57895279
5/2/11 17:05	2914.830811	1813.503662	0.244318008	1813.759277	30.57895279
5/2/11 17:06	2916.507813	1813.516724	0.245368958	1813.759277	30.57802391
5/2/11 17:08	2918.165527	1813.533936	0.245368958	1813.763672	30.57802391
5/2/11 17:10	2919.839355	1813.55127	0.245368958	1813.759277	30.57802391
5/2/11 17:11	2921.49707	1813.567505	0.248645782	1813.762573	30.57895279
5/2/11 17:13	2923.171387	1813.580566	0.249696732	1813.762573	30.57802391
5/2/11 17:15	2924.830078	1813.585938	0.248645782	1813.763672	30.57895279
5/2/11 17:16	2926.505615	1813.5979	0.248645782	1813.762573	30.57895279
5/2/11 17:18	2928.177979	1813.606445	0.248645782	1813.766968	30.57895279
5/2/11 17:20	2929.83374	1813.615112	0.252971649	1813.766968	30.57895279
5/2/11 17:21	2931.507813	1813.623779	0.248645782	1813.766968	30.57895279
5/2/11 17:23	2933.163086	1813.632446	0.261627197	1813.77124	30.57895279
5/2/11 17:25	2934.838135	1813.636841	0.257299423	1813.766968	30.57895279
5/2/11 17:26	2936.497559	1813.641113	0.257299423	1813.766968	30.57895279
5/2/11 17:28	2938.172119	1813.645508	0.257299423	1813.775635	30.57895279
5/2/11 17:30	2939.829346	1813.64978	0.256248474	1813.77124	30.57895279
5/2/11 17:31	2941.505127	1813.654053	0.257299423	1813.77124	30.57895279
5/2/11 17:33	2943.163086	1813.658447	0.252971649	1813.766968	30.57895279
5/2/11 17:35	2944.84375	1813.667114	0.257299423	1813.77124	30.57895279
5/2/11 17:36	2946.500977	1813.667114	0.261627197	1813.77124	30.57895279
5/2/11 17:38	2948.172363	1813.674683	0.256248474	1813.765869	30.57988358

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DateAndTime	ElapsedTime (min)	MW51C_WLE	MW51D_WLD	MW51D_WLE	BarometricPress
5/2/11 17:40	2949.829346	1813.67041	0.260576248	1813.770264	30.57988358
5/2/11 17:41	2951.501221	1813.679077	0.256248474	1813.765869	30.57988358
5/2/11 17:43	2953.163086	1813.679077	0.256248474	1813.774536	30.57988358
5/2/11 17:45	2954.836182	1813.679077	0.256248474	1813.774536	30.57988358
5/2/11 17:46	2956.494385	1813.68335	0.260576248	1813.774536	30.57988358
5/2/11 17:48	2958.168701	1813.688721	0.257299423	1813.77124	30.57895279
5/2/11 17:50	2959.825439	1813.693115	0.261627197	1813.775635	30.57895279
5/2/11 17:51	2961.499512	1813.688721	0.261627197	1813.775635	30.57895279
5/2/11 17:53	2963.174805	1813.689819	0.262680054	1813.776611	30.57802391
5/2/11 17:55	2964.831543	1813.693115	0.267007828	1813.775635	30.57895279
5/2/11 17:56	2966.50415	1813.697388	0.267007828	1813.779907	30.57895279
5/2/11 17:58	2968.158691	1813.697388	0.257299423	1813.77124	30.57895279
5/2/11 18:00	2969.833008	1813.697388	0.261627197	1813.775635	30.57895279
5/2/11 18:01	2971.505371	1813.700684	0.257299423	1813.774536	30.57988358
5/2/11 18:03	2973.160889	1813.706055	0.261627197	1813.775635	30.57895279
5/2/11 18:05	2974.834961	1813.70166	0.261627197	1813.775635	30.57895279
5/2/11 18:06	2976.494141	1813.70166	0.261627197	1813.775635	30.57895279
5/2/11 18:08	2978.166992	1813.706055	0.261627197	1813.775635	30.57895279
5/2/11 18:10	2979.824951	1813.70166	0.261627197	1813.775635	30.57895279
5/2/11 18:26	2996.491211	1813.710327	0.261627197	1813.775635	30.57895279
5/2/11 18:43	3013.151855	1813.717896	0.264785767	1813.778687	30.57616043
5/2/11 19:00	3029.817139	1813.717896	0.264785767	1813.774414	30.57616043
5/2/11 19:16	3046.488525	1813.715576	0.266893387	1813.780884	30.57429886
5/2/11 19:33	3063.14917	1813.720947	0.263618469	1813.777588	30.57336998
5/2/11 19:50	3079.807373	1813.717773	0.264669418	1813.774292	30.57243919
5/2/11 20:06	3096.469727	1813.711182	0.258119583	1813.772095	30.57057953
5/2/11 20:23	3113.129639	1813.711182	0.258119583	1813.772095	30.57057953
5/2/11 20:40	3129.793701	1813.709106	0.264669418	1813.778564	30.57243919
5/2/11 20:56	3146.45459	1813.705933	0.261510849	1813.775513	30.57523155
5/2/11 21:13	3163.114014	1813.707031	0.262680054	1813.776611	30.57802391
5/2/11 21:30	3179.77417	1813.709351	0.260576248	1813.774536	30.57988358
5/2/11 21:46	3196.448975	1813.709351	0.260576248	1813.774536	30.57988358
5/2/11 22:03	3213.112305	1813.708252	0.259523392	1813.773438	30.58081245
5/2/11 22:20	3229.762207	1813.707153	0.262796402	1813.772461	30.58174515
5/2/11 22:36	3246.440918	1813.707153	0.262796402	1813.776733	30.58174515
5/2/11 22:53	3263.09668	1813.706177	0.253089905	1813.76709	30.58267403
5/2/11 23:10	3279.762939	1813.706177	0.253089905	1813.76709	30.58267403
5/2/11 23:26	3296.420654	1813.703979	0.259523392	1813.773438	30.58081245
5/2/11 23:43	3313.076416	1813.709351	0.260576248	1813.770264	30.57988358
5/3/11 0:00	3329.742676	1813.713623	0.259523392	1813.774536	30.57988358
5/3/11 0:16	3346.402344	1813.706177	0.261743546	1813.771362	30.58267403
5/3/11 0:33	3363.072754	1813.716919	0.268182755	1813.782104	30.58081245
5/3/11 0:50	3379.732666	1813.718018	0.273557663	1813.787476	30.57988358
5/3/11 1:06	3396.395752	1813.71582	0.272506714	1813.7854	30.58174515
5/3/11 1:23	3413.05835	1813.723511	0.279054642	1813.792969	30.58267403
5/3/11 1:40	3429.727051	1813.731079	0.277999878	1813.791992	30.58360672
5/3/11 1:56	3446.391113	1813.74292	0.290868759	1813.803711	30.58081245
5/3/11 2:13	3463.042725	1813.741699	0.301631927	1813.815552	30.57802391

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DateAndTime	ElapsedTime (min)	MW51C_WLE	MW51D_WLD	MW51D_WLE	BarometricPress
5/3/11 2:30	3479.713379	1813.738403	0.289697647	1813.803711	30.57709312
5/3/11 2:46	3496.380371	1813.742798	0.289697647	1813.803711	30.57709312
5/3/11 3:03	3513.043945	1813.740479	0.296131134	1813.810059	30.57523155
5/3/11 3:20	3529.691406	1813.735107	0.296131134	1813.809082	30.57616043
5/3/11 3:36	3546.360107	1813.730835	0.290752411	1813.804688	30.57616043
5/3/11 3:53	3563.018555	1813.740479	0.29180336	1813.805786	30.57523155
5/3/11 4:10	3579.686279	1813.739502	0.286424637	1813.800415	30.57616043
5/3/11 4:26	3596.3479	1813.739502	0.290752411	1813.804688	30.57616043
5/3/11 4:43	3613.010254	1813.736206	0.282100677	1813.797119	30.57616043
5/3/11 5:00	3629.672119	1813.734009	0.280927658	1813.794922	30.57336998
5/3/11 5:16	3646.336182	1813.734009	0.285259247	1813.799194	30.57336998
5/3/11 5:33	3663.001953	1813.738281	0.277656555	1813.790527	30.57243919
5/3/11 5:50	3679.670898	1813.736084	0.283031464	1813.796997	30.57151031
5/3/11 6:06	3696.331787	1813.732788	0.28408432	1813.798096	30.57151031
5/3/11 6:23	3712.993896	1813.732788	0.28408432	1813.798096	30.57057953
5/3/11 6:40	3729.658936	1813.734009	0.280927658	1813.794922	30.57336998
5/3/11 6:56	3746.32373	1813.73291	0.284208298	1813.798096	30.57429886
5/3/11 7:13	3762.977051	1813.726563	0.282100677	1813.796021	30.57616043
5/3/11 7:30	3779.631836	1813.725464	0.276714325	1813.790649	30.57709312
5/3/11 7:46	3796.299805	1813.726563	0.269235611	1813.783203	30.57988358
5/3/11 8:03	3812.957275	1813.724487	0.275783539	1813.789795	30.58174515
5/3/11 8:20	3829.635986	1813.719116	0.266077042	1813.780029	30.58267403
5/3/11 8:36	3846.294678	1813.711548	0.257417679	1813.772461	30.58174515
5/3/11 8:53	3862.959473	1813.709473	0.256362915	1813.770264	30.58360672
5/3/11 9:10	3879.622559	1813.709473	0.260690689	1813.774658	30.58360672
5/3/11 11:56	4046.251953	1813.70166	0.252855301	1813.766846	30.57523155
5/3/11 14:43	4212.864746	1813.699829	0.251106262	1813.765015	30.55382919
5/3/11 17:30	4379.499023	1813.706787	0.253677368	1813.767578	30.53242874
5/3/11 20:16	4546.123535	1813.70105	0.2479496	1813.761963	30.522192
5/3/11 23:03	4712.740234	1813.685059	0.239646912	1813.750366	30.53242874
5/4/11 1:50	4879.361328	1813.682861	0.230869293	1813.748047	30.52963638
5/4/11 4:36	5045.989746	1813.68335	0.225959778	1813.739868	30.51102829
5/4/11 7:23	5212.611328	1813.680786	0.227716446	1813.741699	30.4980011
5/4/11 10:10	5379.241699	1813.662842	0.201164246	1813.715088	30.4793911
5/4/11 12:56	5545.875	1813.630615	0.173215866	1813.687134	30.45054436
5/4/11 15:43	5712.501953	1813.617554	0.16012001	1813.674072	30.41239548
5/4/11 18:30	5879.104492	1813.593262	0.141283035	1813.654175	30.43286514
5/4/11 21:16	6045.73584	1813.567749	0.132040024	1813.645996	30.48311234
5/5/11 0:03	6212.348145	1813.575317	0.122211456	1813.636108	30.51474762
5/5/11 2:50	6378.972168	1813.611328	0.153909683	1813.667847	30.52498436
5/5/11 5:36	6545.602539	1813.643555	0.181863785	1813.695801	30.52033234
5/5/11 8:23	6712.226074	1813.646118	0.196365356	1813.715698	30.53335762
5/5/11 11:10	6878.849121	1813.643066	0.185606003	1813.703857	30.53521919
5/5/11 13:56	7045.460449	1813.64563	0.188182831	1813.706421	30.51381874
5/5/11 16:43	7212.100098	1813.655762	0.198356628	1813.71228	30.49334717
5/5/11 19:30	7378.706543	1813.65625	0.203159332	1813.717163	30.47380638
5/5/11 22:16	7545.33252	1813.648682	0.199878693	1813.713867	30.4728775
5/6/11 1:03	7711.962891	1813.641724	0.194032669	1813.706909	30.45985031

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DateAndTime	ElapsedTime (min)	MW51C_WLE	MW51D_WLD	MW51D_WLE	BarometricPress
5/6/11 3:50	7878.583496	1813.648438	0.190994263	1813.704956	30.43100548
5/6/11 6:36	8045.212402	1813.640015	0.169597626	1813.683594	30.40402031
5/6/11 9:23	8211.827148	1813.599854	0.13813591	1813.6521	30.36680031
5/6/11 12:10	8378.449219	1813.55957	0.102231979	1813.616211	30.32585716
5/6/11 14:56	8545.080078	1813.516602	0.063516617	1813.57312	30.2988739
5/6/11 17:43	8711.694336	1813.467896	0.019187927	1813.524536	30.29980278
5/6/11 20:30	8878.321289	1813.438477	-0.010290146	1813.507935	30.32585716
5/6/11 23:16	9044.9375	1813.429077	-0.02397728	1813.48999	30.33795547
5/7/11 2:03	9211.568359	1813.42688	-0.021871567	1813.492065	30.3360939
5/7/11 4:50	9378.192383	1813.428345	-0.02035141	1813.493652	30.35004997
5/7/11 7:36	9544.799805	1813.444824	-0.012516022	1813.501465	30.35842705
5/7/11 10:23	9711.43457	1813.428223	-0.020475388	1813.49353	30.38075829
5/7/11 13:10	9878.050781	1813.44104	-0.020708084	1813.493286	30.3733139
5/7/11 15:56	10044.66895	1813.455566	-0.001874924	1813.512085	30.35284424
5/7/11 16:32	10080.00195	1813.456421	-0.006317139	1813.508667	30.34725952
5/7/11 16:32	10080.16895	1813.45752	0.000118256	1813.514038	30.34725952
5/7/11 16:32	10080.32031	1813.45752	0.004442215	1813.518433	30.34725952
5/7/11 16:32	10080.4873	1813.45752	0.000118256	1813.514038	30.34725952
5/7/11 16:32	10080.65527	1813.448853	0.004442215	1813.518433	30.34725952
5/7/11 16:32	10080.83887	1813.440186	0.000118256	1813.518433	30.34725952
5/7/11 16:33	10080.99023	1813.431519	0.004442215	1813.518433	30.34725952
5/7/11 16:33	10081.1582	1813.418579	0.004442215	1813.518433	30.34725952
5/7/11 16:33	10081.3252	1813.409912	0.000118256	1813.514038	30.34725952
5/7/11 16:33	10081.49219	1813.396973	0.004442215	1813.518433	30.34725952
5/7/11 16:33	10081.65918	1813.383911	0.004442215	1813.518433	30.34725952
5/7/11 16:34	10081.82715	1813.362305	0.000118256	1813.514038	30.34725952
5/7/11 16:34	10081.99414	1813.353638	-0.004213333	1813.509766	30.34725952
5/7/11 16:34	10082.16113	1813.332031	0.000118256	1813.509766	30.34725952
5/7/11 16:34	10082.32813	1813.323364	-0.008535385	1813.505371	30.34725952
5/7/11 16:34	10082.49512	1813.301758	0.000118256	1813.514038	30.34725952
5/7/11 16:34	10082.66211	1813.293091	0.000118256	1813.514038	30.34725952
5/7/11 16:35	10082.8291	1813.276855	0.000118256	1813.515137	30.34725952
5/7/11 16:35	10082.99707	1813.262695	-0.008535385	1813.505371	30.34725952
5/7/11 16:35	10083.16309	1813.241089	-0.008535385	1813.505371	30.34725952
5/7/11 16:35	10083.33008	1813.228149	-0.008535385	1813.505371	30.34725952
5/7/11 16:35	10083.49805	1813.210815	-0.008535385	1813.501099	30.34725952
5/7/11 16:35	10083.66504	1813.206543	-0.008535385	1813.505371	30.34725952
5/7/11 16:36	10083.83203	1813.185913	-0.012868881	1813.502197	30.34633064
5/7/11 16:36	10084	1813.172974	-0.017194748	1813.497803	30.34633064
5/7/11 16:36	10084.16699	1813.151245	-0.017194748	1813.497803	30.34633064
5/7/11 16:36	10084.33398	1813.145874	-0.021522522	1813.492432	30.34725952
5/7/11 16:36	10084.50098	1813.124268	-0.021522522	1813.492432	30.34725952
5/7/11 16:36	10084.66895	1813.111328	-0.017194748	1813.496704	30.34725952
5/7/11 16:37	10084.83594	1813.093994	-0.021522522	1813.492432	30.34725952
5/7/11 16:37	10085.00391	1813.086426	-0.024799347	1813.489136	30.34633064
5/7/11 16:37	10085.1709	1813.073364	-0.03017807	1813.484863	30.34633064
5/7/11 16:37	10085.33789	1813.060425	-0.03017807	1813.484863	30.34633064
5/7/11 16:37	10085.50684	1813.041992	-0.03017807	1813.483765	30.34725952

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DateAndTime	ElapsedTime (min)	MW51C_WLE	MW51D_WLD	MW51D_WLE	BarometricPress
5/7/11 16:37	10085.67383	1813.03772	-0.034505844	1813.479492	30.34725952
5/7/11 16:38	10085.8418	1813.016113	-0.034505844	1813.479492	30.34725952
5/7/11 16:38	10086.00781	1813.003052	-0.034505844	1813.479492	30.34725952
5/7/11 16:38	10086.17578	1812.994385	-0.043161392	1813.470825	30.34725952
5/7/11 16:38	10086.32617	1812.981445	-0.038837433	1813.475098	30.34725952
5/7/11 16:38	10086.49316	1812.968506	-0.038837433	1813.475098	30.34633064
5/7/11 16:38	10086.66113	1812.955444	-0.047492981	1813.466431	30.34725952
5/7/11 16:39	10086.8291	1812.946777	-0.043161392	1813.470825	30.34725952
5/7/11 16:39	10086.99609	1812.933838	-0.047492981	1813.466431	30.34725952
5/7/11 16:39	10087.16406	1812.916504	-0.05181694	1813.462158	30.34725952
5/7/11 16:39	10087.33203	1812.907837	-0.05181694	1813.457764	30.34725952
5/7/11 16:39	10087.49902	1812.89917	-0.056144714	1813.457764	30.34725952
5/7/11 16:39	10087.66699	1812.891602	-0.056144714	1813.458862	30.34633064
5/7/11 16:40	10087.83496	1812.878662	-0.063747406	1813.450195	30.34725952
5/7/11 16:40	10088.00195	1812.869995	-0.059419632	1813.45459	30.34633064
5/7/11 16:40	10088.16895	1812.857056	-0.060470581	1813.450195	30.34633064
5/7/11 16:40	10088.33594	1812.84729	-0.064798355	1813.449219	30.34725952
5/7/11 16:40	10088.50391	1812.834351	-0.064798355	1813.449219	30.34725952
5/7/11 16:40	10088.67285	1812.825684	-0.069131851	1813.444824	30.34725952
5/7/11 16:41	10088.83984	1812.80835	-0.069131851	1813.444824	30.34725952
5/7/11 16:41	10089.00781	1812.803955	-0.073453903	1813.444824	30.34725952
5/7/11 16:41	10089.17676	1812.79541	-0.073453903	1813.440552	30.34725952
5/7/11 16:41	10089.34473	1812.782349	-0.077785492	1813.440552	30.34725952
5/7/11 16:41	10089.51172	1812.773682	-0.077785492	1813.436157	30.34725952
5/7/11 16:41	10089.67871	1812.760742	-0.073453903	1813.436157	30.34725952
5/7/11 16:42	10089.84668	1812.760742	-0.077785492	1813.436157	30.34725952
5/7/11 16:43	10091.50195	1812.674194	-0.090764999	1813.423218	30.34725952
5/7/11 16:45	10093.17773	1812.600586	-0.103752136	1813.410156	30.34725952
5/7/11 16:47	10094.83496	1812.540039	-0.112407684	1813.401489	30.34725952
5/7/11 16:48	10096.50977	1812.479492	-0.121061325	1813.392944	30.34633064
5/7/11 16:50	10098.17188	1812.431885	-0.116735458	1813.397217	30.34725952
5/7/11 16:52	10099.8457	1812.38855	-0.125389099	1813.38855	30.34725952
5/7/11 16:53	10101.50293	1812.349609	-0.125389099	1813.38855	30.34725952
5/7/11 16:55	10103.17676	1812.314941	-0.129716873	1813.384277	30.34725952
5/7/11 16:57	10104.83496	1812.285767	-0.129716873	1813.385254	30.34725952
5/7/11 16:58	10106.50684	1812.259766	-0.12433815	1813.389648	30.34633064
5/7/11 17:00	10108.16504	1812.233765	-0.132991791	1813.380981	30.34633064
5/7/11 17:02	10109.83984	1812.212158	-0.132991791	1813.380981	30.34633064
5/7/11 17:03	10111.49609	1812.194824	-0.132991791	1813.380981	30.34633064
5/7/11 17:05	10113.1709	1812.172119	-0.134044647	1813.379883	30.34633064
5/7/11 17:07	10114.82813	1812.164551	-0.131940842	1813.380981	30.34633064
5/7/11 17:08	10116.50293	1812.147217	-0.137319565	1813.376587	30.34633064
5/7/11 17:10	10118.17578	1812.134277	-0.132991791	1813.380981	30.34633064
5/7/11 17:12	10119.83594	1812.126709	-0.136268616	1813.377686	30.34539986
5/7/11 17:13	10121.51074	1812.116943	-0.131940842	1813.380981	30.34633064
5/7/11 17:15	10123.16992	1812.109375	-0.131940842	1813.381958	30.34539986
5/7/11 17:17	10124.84375	1812.100708	-0.136268616	1813.377686	30.34539986
5/7/11 17:18	10126.50098	1812.096436	-0.136268616	1813.377686	30.34539986

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DateAndTime	ElapsedTime (min)	MW51C_WLE	MW51D_WLD	MW51D_WLE	BarometricPress
5/7/11 17:20	10128.17578	1812.087769	-0.136268616	1813.377686	30.34539986
5/7/11 17:22	10129.83301	1812.074707	-0.14059639	1813.373291	30.34539986
5/7/11 17:23	10131.50684	1812.074707	-0.136268616	1813.377686	30.34539986
5/7/11 17:25	10133.16504	1812.070435	-0.136268616	1813.377686	30.34539986
5/7/11 17:27	10134.84082	1812.06604	-0.131940842	1813.381958	30.34539986
5/7/11 17:28	10136.49609	1812.061768	-0.131940842	1813.381958	30.34539986
5/7/11 17:30	10138.16895	1812.056396	-0.132991791	1813.380981	30.34633064
5/7/11 17:32	10139.84277	1812.052002	-0.132991791	1813.380981	30.34633064
5/7/11 17:33	10141.49902	1812.047729	-0.137319565	1813.376587	30.34633064
5/7/11 17:35	10143.17188	1812.047729	-0.132991791	1813.380981	30.34633064
5/7/11 17:37	10144.83301	1812.043335	-0.134044647	1813.380981	30.34725952
5/7/11 17:38	10146.50488	1812.046631	-0.138372421	1813.37561	30.34725952
5/7/11 17:40	10148.16309	1812.043335	-0.128665924	1813.385254	30.34633064
5/7/11 17:42	10149.83887	1812.039063	-0.137319565	1813.376587	30.34633064
5/7/11 17:43	10151.49414	1812.040161	-0.136268616	1813.377686	30.34539986
5/7/11 17:45	10153.17188	1812.039063	-0.137319565	1813.376587	30.34633064
5/7/11 17:47	10154.82813	1812.039063	-0.137319565	1813.376587	30.34633064
5/7/11 17:48	10156.49902	1812.039063	-0.132991791	1813.380981	30.34633064
5/7/11 17:50	10158.17676	1812.039063	-0.132991791	1813.380981	30.34633064
5/7/11 17:52	10159.83398	1812.035767	-0.131940842	1813.381958	30.34633064
5/7/11 17:53	10161.50684	1812.035767	-0.127613068	1813.386353	30.34539986
5/7/11 17:55	10163.16406	1812.035767	-0.127613068	1813.386353	30.34539986
5/7/11 17:57	10164.83594	1812.031494	-0.131940842	1813.381958	30.34539986
5/7/11 17:58	10166.49316	1812.031494	-0.127613068	1813.386353	30.34539986
5/7/11 18:00	10168.16797	1812.031494	-0.127613068	1813.386353	30.34539986
5/7/11 18:02	10169.83984	1812.031494	-0.131940842	1813.381958	30.34539986
5/7/11 18:03	10171.49707	1812.031494	-0.131940842	1813.381958	30.34539986
5/7/11 18:05	10173.1709	1812.035767	-0.131940842	1813.381958	30.34539986
5/7/11 18:07	10174.82617	1812.031494	-0.131940842	1813.381958	30.34539986
5/7/11 18:08	10176.50098	1812.031494	-0.131940842	1813.381958	30.34633064
5/7/11 18:10	10178.1582	1812.0271	-0.131940842	1813.381958	30.34539986
5/7/11 18:12	10179.83398	1812.0271	-0.131940842	1813.381958	30.34539986
5/7/11 18:28	10196.48633	1812.028198	-0.126558304	1813.387451	30.34446907
5/7/11 18:45	10213.16504	1812.032471	-0.12223053	1813.391724	30.34446907
5/7/11 19:02	10229.80762	1812.034668	-0.12433815	1813.389648	30.34539986
5/7/11 19:18	10246.47266	1812.034668	-0.120010376	1813.393921	30.34633064
5/7/11 19:35	10263.13477	1812.033691	-0.120010376	1813.392944	30.34633064
5/7/11 19:52	10279.80566	1812.031616	-0.123167038	1813.390747	30.34911919
5/7/11 20:08	10296.4707	1812.036987	-0.113458633	1813.400513	30.34819031
5/7/11 20:25	10313.13086	1812.035889	-0.118839264	1813.395142	30.34911919
5/7/11 20:42	10329.79883	1812.040283	-0.110183716	1813.395142	30.34911919
5/7/11 20:58	10346.45996	1812.040283	-0.118839264	1813.395142	30.34911919
5/7/11 21:15	10363.1123	1812.033813	-0.116617203	1813.397339	30.35098267
5/7/11 21:32	10379.77539	1812.039307	-0.115449905	1813.398438	30.35377312
5/7/11 21:48	10396.44141	1812.042603	-0.11217308	1813.401733	30.3547039
5/7/11 22:05	10413.10254	1812.041504	-0.113225937	1813.400757	30.35656357
5/7/11 22:22	10429.77539	1812.043701	-0.11533165	1813.398682	30.35749626
5/7/11 22:38	10446.42773	1812.049072	-0.114278793	1813.399658	30.35656357

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW51C_WLE	MW51D_WLD	MW51D_WLE	BarometricPress
5/7/11 22:55	10463.09277	1812.047974	-0.111122131	1813.402832	30.35377312
5/7/11 23:12	10479.74805	1812.050049	-0.113344193	1813.400635	30.35284424
5/7/11 23:28	10496.40918	1812.051147	-0.107963562	1813.406006	30.35098267
5/7/11 23:45	10513.08496	1812.049927	-0.109130859	1813.400513	30.34819031
5/8/11 0:02	10529.74902	1812.052002	-0.115682602	1813.406982	30.34633064
5/8/11 0:18	10546.40137	1812.051025	-0.112407684	1813.401489	30.34725952
5/8/11 0:35	10563.07324	1812.055298	-0.109130859	1813.405884	30.34725952
5/8/11 0:52	10579.73535	1812.058594	-0.109130859	1813.404785	30.34819031
5/8/11 1:08	10596.39941	1812.061768	-0.105974197	1813.407959	30.34539986
5/8/11 1:25	10613.05664	1812.056396	-0.111354828	1813.402588	30.34633064
5/8/11 1:42	10629.71582	1812.054199	-0.114629745	1813.400391	30.34446907
5/8/11 1:58	10646.38281	1812.053101	-0.113574982	1813.403687	30.34539986
5/8/11 2:15	10663.04102	1812.062744	-0.109249115	1813.404663	30.34446907
5/8/11 2:32	10679.70703	1812.05957	-0.112522125	1813.401367	30.34353638
5/8/11 2:48	10696.36523	1812.056274	-0.107141495	1813.40686	30.34260559
5/8/11 3:05	10713.02832	1812.059448	-0.112640381	1813.396973	30.33981705
5/8/11 3:22	10729.69824	1812.057129	-0.110534668	1813.403442	30.33795547
5/8/11 3:38	10746.35352	1812.061523	-0.113807678	1813.399048	30.33702278
5/8/11 3:55	10763.0166	1812.062622	-0.109479904	1813.404419	30.33702278
5/8/11 4:12	10779.67285	1812.055176	-0.112522125	1813.397095	30.34353638
5/8/11 4:28	10796.33496	1812.055176	-0.111469269	1813.401367	30.34353638
5/8/11 4:45	10812.99902	1812.056274	-0.114744186	1813.393799	30.34260559
5/8/11 5:02	10829.66895	1812.060547	-0.115797043	1813.398193	30.34260559
5/8/11 5:18	10846.32422	1812.055176	-0.116849899	1813.401367	30.34353638
5/8/11 5:35	10862.99512	1812.056152	-0.111587524	1813.402344	30.33888626
5/8/11 5:52	10879.64941	1812.065674	-0.110651016	1813.40332	30.33423233
5/8/11 6:08	10896.30957	1812.065674	-0.11497879	1813.40332	30.33423233
5/8/11 6:25	10912.97754	1812.0625	-0.10959816	1813.404297	30.33330345
5/8/11 6:42	10929.62988	1812.064575	-0.116146088	1813.397827	30.33144188
5/8/11 6:58	10946.2998	1812.065674	-0.115093231	1813.398804	30.33050919
5/8/11 7:15	10962.95801	1812.057007	-0.119419098	1813.394531	30.33050919
5/8/11 7:32	10979.63574	1812.054688	-0.121643066	1813.392334	30.32864952
5/8/11 7:48	10996.28809	1812.05896	-0.117431641	1813.396484	30.32399559
5/8/11 8:05	11012.94727	1812.054443	-0.121875763	1813.39209	30.32120514
5/8/11 8:22	11029.6084	1812.057617	-0.123044968	1813.390869	30.31841469
5/8/11 8:38	11046.28516	1812.054443	-0.130645752	1813.383301	30.31748199
5/8/11 8:55	11062.93848	1812.053223	-0.123167038	1813.390747	30.31469345
5/8/11 9:12	11079.59766	1812.046631	-0.124330521	1813.38855	30.31190109
5/8/11 11:58	11246.22461	1812.042358	-0.138366699	1813.37561	30.27840233
5/8/11 14:45	11412.84082	1812.033447	-0.14291954	1813.371094	30.2365303
5/8/11 17:32	11579.46484	1812.009399	-0.174619675	1813.338257	30.22722435
5/8/11 20:18	11746.08008	1811.991699	-0.20198822	1813.312012	30.21606064
5/8/11 23:05	11912.70801	1811.971436	-0.226551056	1813.287354	30.22629547
5/9/11 1:52	12079.33105	1811.968872	-0.228069305	1813.280518	30.21233749
5/9/11 4:38	12245.95605	1811.954468	-0.247838974	1813.261841	30.20303345
5/9/11 7:25	12412.58398	1811.932983	-0.268302917	1813.244629	30.20675659
5/9/11 10:12	12579.20117	1811.906006	-0.305034637	1813.208862	30.20768547
5/9/11 12:58	12745.81543	1811.877563	-0.333454132	1813.180542	30.19838142

Full System Test File - Dedicated Transducers and Recovery Wells

DateAndTime	ElapsedTime (min)	MW51C_WLE	MW51D_WLD	MW51D_WLE	BarometricPress
5/9/11 15:45	12912.44727	1811.894165	-0.308187485	1813.205811	30.1751194
5/9/11 18:32	13079.07129	1811.641724	-0.668794632	1812.845215	30.16581154
5/9/11 21:18	13245.69336	1811.506104	-0.800151825	1812.713745	30.18628311
5/10/11 0:05	13412.30078	1811.478271	-0.819219589	1812.694702	30.1993103
5/10/11 2:52	13578.92676	1811.489136	-0.811733246	1812.701172	30.19744873
5/10/11 5:38	13745.55469	1811.483521	-0.818401337	1812.695557	30.22536278
5/10/11 8:25	13912.16602	1811.459961	-0.846246719	1812.667725	30.27002716
5/10/11 11:12	14078.79785	1811.450928	-0.842271805	1812.671631	30.29236221
5/10/11 13:58	14245.4082	1811.513306	-0.79291153	1812.729736	30.27840233
5/10/11 16:45	14412.03418	1811.488037	-0.813846588	1812.700073	30.26723862
5/10/11 19:32	14578.66016	1811.476074	-0.825777054	1812.688232	30.26630783
5/10/11 22:18	14745.27637	1811.480469	-0.825780869	1812.688232	30.30073547
5/11/11 1:05	14911.90234	1811.488159	-0.818061829	1812.695923	30.3053875
5/11/11 3:52	15078.51758	1811.496948	-0.813611984	1812.700317	30.30910873
5/11/11 6:38	15245.15137	1811.483521	-0.840053558	1812.67395	30.32864952
5/11/11 9:25	15411.76953	1811.496826	-0.805084229	1812.708862	30.33981705
5/11/11 12:12	15578.3877	1811.540161	-0.718410492	1812.795532	30.34353638
5/11/11 14:58	15745.00391	1811.869019	-0.346336365	1813.167603	30.3053875
5/11/11 17:45	15911.62402	1811.91333	-0.292301178	1813.220581	30.33795547
5/11/11 20:32	16078.25977	1811.931274	-0.275455475	1813.238525	30.32306671
5/11/11 23:18	16244.87988	1811.955322	-0.260015488	1813.258301	30.33237267
5/12/11 2:05	16411.49414	1811.970215	-0.239778519	1813.273071	30.32213593
5/12/11 4:52	16578.11719	1811.973389	-0.233226776	1813.280762	30.32399559
5/12/11 15:58	17244.60156	1811.973389	-0.23755455	1813.276367	30.32399559

Report Date:	5/16/2011 9:27
Report User Name:	jgadt
Report Computer Na	KS-FIELD2-LTP
Application:	WinSitu.exe
Application Version:	5.6.21.0

Log File Properties

File Name	MW3A_043011_FST_2011-05-12_17-44-00-281.wsl
Create Date	5/12/2011 17:43

Device Properties

Device	Level TROLL 700			
Site	MW-3A			
Device Name				
Serial Number	164696			
Firmware Version	2.08			
Hardware Version	3			
Device Address	1			
Device Comm Cfg	19200	8	Even	1
Used Memory	3			
Used Battery	8			

Log Configuration

	Log Name	MW3A_043011_FST
	Created By	jgadt
	Computer Name	KS-FIELD2-LTP
	Application	WinSitu.exe
	Application Version	5.6.21.0
	Create Date	4/30/2011 3:40:37 PM Central Daylight Time
	Log Setup Time Zone	Central Daylight Time
	Notes Size(bytes)	4096
	Overwrite when full	Disabled
	Scheduled Start Time	4/30/2011 4:30:00 PM Central Daylight Time
	Scheduled Stop Time	5/12/2011 4:30:00 PM Central Daylight Time
	Type	Step Test
Steps	9 (Linear)	
	Step	1
	Duration	Days: 2 hrs: 00 mins: 00 secs: 00
	Interval	Days: 0 hrs: 00 mins: 10 secs: 00
	Step	2
	Duration	Days: 0 hrs: 00 mins: 10 secs: 00
	Interval	Days: 0 hrs: 00 mins: 00 secs: 10
	Step	3
	Duration	Days: 0 hrs: 01 mins: 30 secs: 00
	Interval	Days: 0 hrs: 00 mins: 01 secs: 40
	Step	4
	Duration	Days: 0 hrs: 15 mins: 00 secs: 00
	Interval	Days: 0 hrs: 00 mins: 16 secs: 40

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Step	5
Duration	Days: 4 hrs: 07 mins: 20 secs: 00
Interval	Days: 0 hrs: 02 mins: 46 secs: 00
Step	6
Duration	Days: 0 hrs: 00 mins: 10 secs: 00
Interval	Days: 0 hrs: 00 mins: 00 secs: 10
Step	7
Duration	Days: 0 hrs: 01 mins: 30 secs: 00
Interval	Days: 0 hrs: 00 mins: 01 secs: 40
Step	8
Duration	Days: 0 hrs: 15 mins: 00 secs: 00
Interval	Days: 0 hrs: 00 mins: 16 secs: 40
Step	9
Duration	Days: 4 hrs: 07 mins: 20 secs: 00
Interval	Days: 0 hrs: 02 mins: 46 secs: 00

Level Reference Settings At Log Creation

Level Measurement Mode	Level Depth To Water
Specific Gravity	0.999
Level Reference Mode:	Set new reference
Level Reference Value:	0 (ft)
Level Reference Head Pressure	1.42202 (PSI)

Other Log Settings

Depth of Probe:	3.27186 (ft)
Head Pressure:	1.41702 (PSI)
Temperature:	12.4973 (C)

Log Notes:

Date and Time	Note
4/30/2011 15:40	Used Battery: 8% Used Memory: 4% User Name: jgadt

Log Data:

Record Count	699		
Sensors	1		
	1	164696	Pressure/Temp 15 PSIG (11m/35ft)

Time Zone: Central Daylight Time

Elapsed Time	Sensor: Pres(G) 35ft SN#: 164696	Sensor: Pres(G) 35ft SN#: 164696

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	SN#: 164696 Level Depth To Water (ft)	SN#: 164696 Pressure (PSI)
4/30/2011 16:30	0	0.003	1.421
4/30/2011 16:40	600	0.014	1.416
4/30/2011 16:50	1200	0.02	1.413
4/30/2011 17:00	1800	0.02	1.413
4/30/2011 17:10	2400	0.03	1.409
4/30/2011 17:20	3000	0.033	1.408
4/30/2011 17:30	3600	0.045	1.403
4/30/2011 17:40	4200	0.054	1.399
4/30/2011 17:50	4800	0.051	1.4
4/30/2011 18:00	5400	0.057	1.397
4/30/2011 18:10	6000	0.062	1.395
4/30/2011 18:20	6600	0.069	1.392
4/30/2011 18:30	7200	0.072	1.391
4/30/2011 18:40	7800	0.073	1.39
4/30/2011 18:50	8400	0.077	1.389
4/30/2011 19:00	9000	0.08	1.387
4/30/2011 19:10	9600	0.083	1.386
4/30/2011 19:20	10200	0.09	1.383
4/30/2011 19:30	10800	0.093	1.382
4/30/2011 19:40	11400	0.089	1.383
4/30/2011 19:50	12000	0.088	1.384
4/30/2011 20:00	12600	0.095	1.381
4/30/2011 20:10	13200	0.097	1.38
4/30/2011 20:20	13800	0.107	1.376
4/30/2011 20:30	14400	0.116	1.372
4/30/2011 20:40	15000	0.119	1.371
4/30/2011 20:50	15600	0.125	1.368
4/30/2011 21:00	16200	0.129	1.366
4/30/2011 21:10	16800	0.13	1.366
4/30/2011 21:20	17400	0.135	1.364
4/30/2011 21:30	18000	0.139	1.362
4/30/2011 21:40	18600	0.142	1.361
4/30/2011 21:50	19200	0.149	1.358
4/30/2011 22:00	19800	0.15	1.357
4/30/2011 22:10	20400	0.152	1.356
4/30/2011 22:20	21000	0.152	1.356
4/30/2011 22:30	21600	0.153	1.356
4/30/2011 22:40	22200	0.157	1.354
4/30/2011 22:50	22800	0.154	1.355
4/30/2011 23:00	23400	0.149	1.358
4/30/2011 23:10	24000	0.152	1.356
4/30/2011 23:20	24600	0.152	1.356
4/30/2011 23:30	25200	0.157	1.354
4/30/2011 23:40	25800	0.155	1.355
4/30/2011 23:50	26400	0.155	1.355
5/1/2011 0:00	27000	0.159	1.353
5/1/2011 0:10	27600	0.159	1.353

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Date and Time	Elapsed Time Seconds	SN#: 164696 Level Depth To Water (ft)	SN#: 164696 Pressure (PSI)
5/1/2011 0:20	28200	0.16	1.353
5/1/2011 0:30	28800	0.159	1.353
5/1/2011 0:40	29400	0.162	1.352
5/1/2011 0:50	30000	0.163	1.352
5/1/2011 1:00	30600	0.163	1.352
5/1/2011 1:10	31200	0.166	1.35
5/1/2011 1:20	31800	0.161	1.352
5/1/2011 1:30	32400	0.161	1.352
5/1/2011 1:40	33000	0.154	1.356
5/1/2011 1:50	33600	0.152	1.356
5/1/2011 2:00	34200	0.149	1.357
5/1/2011 2:10	34800	0.153	1.356
5/1/2011 2:20	35400	0.153	1.356
5/1/2011 2:30	36000	0.14	1.362
5/1/2011 2:40	36600	0.14	1.361
5/1/2011 2:50	37200	0.123	1.369
5/1/2011 3:00	37800	0.12	1.37
5/1/2011 3:10	38400	0.12	1.37
5/1/2011 3:20	39000	0.131	1.365
5/1/2011 3:30	39600	0.134	1.364
5/1/2011 3:40	40200	0.14	1.361
5/1/2011 3:50	40800	0.135	1.363
5/1/2011 4:00	41400	0.134	1.364
5/1/2011 4:10	42000	0.131	1.365
5/1/2011 4:20	42600	0.131	1.365
5/1/2011 4:30	43200	0.13	1.366
5/1/2011 4:40	43800	0.133	1.364
5/1/2011 4:50	44400	0.133	1.364
5/1/2011 5:00	45000	0.133	1.365
5/1/2011 5:10	45600	0.136	1.363
5/1/2011 5:20	46200	0.141	1.361
5/1/2011 5:30	46800	0.145	1.359
5/1/2011 5:40	47400	0.152	1.356
5/1/2011 5:50	48000	0.151	1.357
5/1/2011 6:00	48600	0.155	1.355
5/1/2011 6:10	49200	0.162	1.352
5/1/2011 6:20	49800	0.167	1.35
5/1/2011 6:30	50400	0.172	1.348
5/1/2011 6:40	51000	0.171	1.348
5/1/2011 6:50	51600	0.177	1.345
5/1/2011 7:00	52200	0.184	1.342
5/1/2011 7:10	52800	0.182	1.343
5/1/2011 7:20	53400	0.187	1.341
5/1/2011 7:30	54000	0.186	1.342
5/1/2011 7:40	54600	0.179	1.345
5/1/2011 7:50	55200	0.18	1.344
5/1/2011 8:00	55800	0.176	1.346

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Date and Time	Elapsed Time Seconds	SN#: 164696 evel Depth To Water (ft)	SN#: 164696 Pressure (PSI)
5/1/2011 8:10	56400	0.165	1.351
5/1/2011 8:20	57000	0.173	1.347
5/1/2011 8:30	57600	0.17	1.348
5/1/2011 8:40	58200	0.167	1.35
5/1/2011 8:50	58800	0.169	1.349
5/1/2011 9:00	59400	0.162	1.352
5/1/2011 9:10	60000	0.166	1.35
5/1/2011 9:20	60600	0.175	1.346
5/1/2011 9:30	61200	0.174	1.347
5/1/2011 9:40	61800	0.185	1.342
5/1/2011 9:50	62400	0.188	1.341
5/1/2011 10:00	63000	0.185	1.342
5/1/2011 10:10	63600	0.177	1.345
5/1/2011 10:20	64200	0.186	1.341
5/1/2011 10:30	64800	0.186	1.341
5/1/2011 10:40	65400	0.184	1.342
5/1/2011 10:50	66000	0.19	1.34
5/1/2011 11:00	66600	0.192	1.339
5/1/2011 11:10	67200	0.196	1.337
5/1/2011 11:20	67800	0.201	1.335
5/1/2011 11:30	68400	0.191	1.339
5/1/2011 11:40	69000	0.194	1.338
5/1/2011 11:50	69600	0.193	1.339
5/1/2011 12:00	70200	0.184	1.342
5/1/2011 12:10	70800	0.176	1.346
5/1/2011 12:20	71400	0.18	1.344
5/1/2011 12:30	72000	0.17	1.348
5/1/2011 12:40	72600	0.164	1.351
5/1/2011 12:50	73200	0.174	1.347
5/1/2011 13:00	73800	0.172	1.348
5/1/2011 13:10	74400	0.17	1.348
5/1/2011 13:20	75000	0.166	1.35
5/1/2011 13:30	75600	0.162	1.352
5/1/2011 13:40	76200	0.16	1.353
5/1/2011 13:50	76800	0.166	1.35
5/1/2011 14:00	77400	0.174	1.347
5/1/2011 14:10	78000	0.175	1.346
5/1/2011 14:20	78600	0.175	1.346
5/1/2011 14:30	79200	0.177	1.345
5/1/2011 14:40	79800	0.177	1.345
5/1/2011 14:50	80400	0.179	1.345
5/1/2011 15:00	81000	0.184	1.342
5/1/2011 15:10	81600	0.182	1.343
5/1/2011 15:20	82200	0.173	1.347
5/1/2011 15:30	82800	0.169	1.349
5/1/2011 15:40	83400	0.162	1.352
5/1/2011 15:50	84000	0.163	1.351

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Date and Time	Elapsed Time Seconds	SN#: 164696 evel Depth To Water (ft)	SN#: 164696 Pressure (PSI)
5/1/2011 16:00	84600	0.158	1.354
5/1/2011 16:10	85200	0.163	1.351
5/1/2011 16:20	85800	0.159	1.353
5/1/2011 16:30	86400	0.159	1.353
5/1/2011 16:40	87000	0.157	1.354
5/1/2011 16:50	87600	0.16	1.353
5/1/2011 17:00	88200	0.157	1.354
5/1/2011 17:10	88800	0.165	1.35
5/1/2011 17:20	89400	0.162	1.352
5/1/2011 17:30	90000	0.166	1.35
5/1/2011 17:40	90600	0.169	1.349
5/1/2011 17:50	91200	0.172	1.348
5/1/2011 18:00	91800	0.164	1.351
5/1/2011 18:10	92400	0.174	1.347
5/1/2011 18:20	93000	0.179	1.344
5/1/2011 18:30	93600	0.178	1.345
5/1/2011 18:40	94200	0.179	1.345
5/1/2011 18:50	94800	0.183	1.343
5/1/2011 19:00	95400	0.185	1.342
5/1/2011 19:10	96000	0.188	1.341
5/1/2011 19:20	96600	0.189	1.34
5/1/2011 19:30	97200	0.19	1.34
5/1/2011 19:40	97800	0.192	1.339
5/1/2011 19:50	98400	0.194	1.338
5/1/2011 20:00	99000	0.198	1.336
5/1/2011 20:10	99600	0.202	1.334
5/1/2011 20:20	100200	0.207	1.332
5/1/2011 20:30	100800	0.211	1.33
5/1/2011 20:40	101400	0.215	1.329
5/1/2011 20:50	102000	0.215	1.329
5/1/2011 21:00	102600	0.219	1.327
5/1/2011 21:10	103200	0.224	1.325
5/1/2011 21:20	103800	0.227	1.324
5/1/2011 21:30	104400	0.231	1.322
5/1/2011 21:40	105000	0.239	1.319
5/1/2011 21:50	105600	0.242	1.317
5/1/2011 22:00	106200	0.241	1.318
5/1/2011 22:10	106800	0.242	1.317
5/1/2011 22:20	107400	0.245	1.316
5/1/2011 22:30	108000	0.244	1.316
5/1/2011 22:40	108600	0.244	1.316
5/1/2011 22:50	109200	0.245	1.316
5/1/2011 23:00	109800	0.244	1.316
5/1/2011 23:10	110400	0.246	1.316
5/1/2011 23:20	111000	0.245	1.316
5/1/2011 23:30	111600	0.246	1.315
5/1/2011 23:40	112200	0.246	1.315

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Date and Time	Elapsed Time Seconds	SN#: 164696 evel Depth To Water (ft)	SN#: 164696 Pressure (PSI)
5/1/2011 23:50	112800	0.242	1.317
5/2/2011 0:00	113400	0.242	1.317
5/2/2011 0:10	114000	0.246	1.316
5/2/2011 0:20	114600	0.245	1.316
5/2/2011 0:30	115200	0.247	1.315
5/2/2011 0:40	115800	0.248	1.314
5/2/2011 0:50	116400	0.25	1.314
5/2/2011 1:00	117000	0.25	1.314
5/2/2011 1:10	117600	0.251	1.314
5/2/2011 1:20	118200	0.251	1.313
5/2/2011 1:30	118800	0.249	1.314
5/2/2011 1:40	119400	0.248	1.315
5/2/2011 1:50	120000	0.246	1.316
5/2/2011 2:00	120600	0.246	1.316
5/2/2011 2:10	121200	0.242	1.317
5/2/2011 2:20	121800	0.239	1.318
5/2/2011 2:30	122400	0.236	1.32
5/2/2011 2:40	123000	0.238	1.319
5/2/2011 2:50	123600	0.238	1.319
5/2/2011 3:00	124200	0.237	1.319
5/2/2011 3:10	124800	0.237	1.319
5/2/2011 3:20	125400	0.238	1.319
5/2/2011 3:30	126000	0.241	1.317
5/2/2011 3:40	126600	0.251	1.313
5/2/2011 3:50	127200	0.256	1.311
5/2/2011 4:00	127800	0.264	1.307
5/2/2011 4:10	128400	0.263	1.308
5/2/2011 4:20	129000	0.265	1.307
5/2/2011 4:30	129600	0.274	1.303
5/2/2011 4:40	130200	0.273	1.304
5/2/2011 4:50	130800	0.272	1.304
5/2/2011 5:00	131400	0.271	1.305
5/2/2011 5:10	132000	0.273	1.304
5/2/2011 5:20	132600	0.277	1.302
5/2/2011 5:30	133200	0.278	1.302
5/2/2011 5:40	133800	0.274	1.303
5/2/2011 5:50	134400	0.273	1.304
5/2/2011 6:00	135000	0.269	1.305
5/2/2011 6:10	135600	0.269	1.305
5/2/2011 6:20	136200	0.265	1.307
5/2/2011 6:30	136800	0.266	1.307
5/2/2011 6:40	137400	0.27	1.305
5/2/2011 6:50	138000	0.273	1.304
5/2/2011 7:00	138600	0.276	1.303
5/2/2011 7:10	139200	0.282	1.3
5/2/2011 7:20	139800	0.287	1.298
5/2/2011 7:30	140400	0.298	1.293

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Date and Time	Elapsed Time Seconds	SN#: 164696 evel Depth To Water (ft)	SN#: 164696 Pressure (PSI)
5/2/2011 7:40	141000	0.305	1.29
5/2/2011 7:50	141600	0.302	1.291
5/2/2011 8:00	142200	0.309	1.288
5/2/2011 8:10	142800	0.304	1.291
5/2/2011 8:20	143400	0.308	1.289
5/2/2011 8:30	144000	0.309	1.288
5/2/2011 8:40	144600	0.316	1.285
5/2/2011 8:50	145200	0.32	1.283
5/2/2011 9:00	145800	0.317	1.285
5/2/2011 9:10	146400	0.318	1.284
5/2/2011 9:20	147000	0.316	1.285
5/2/2011 9:30	147600	0.317	1.285
5/2/2011 9:40	148200	0.315	1.285
5/2/2011 9:50	148800	0.319	1.284
5/2/2011 10:00	149400	0.315	1.285
5/2/2011 10:10	150000	0.315	1.286
5/2/2011 10:20	150600	0.311	1.287
5/2/2011 10:30	151200	0.31	1.288
5/2/2011 10:40	151800	0.308	1.289
5/2/2011 10:50	152400	0.304	1.291
5/2/2011 11:00	153000	0.301	1.292
5/2/2011 11:10	153600	0.3	1.292
5/2/2011 11:20	154200	0.298	1.293
5/2/2011 11:30	154800	0.299	1.292
5/2/2011 11:40	155400	0.294	1.295
5/2/2011 11:50	156000	0.294	1.295
5/2/2011 12:00	156600	0.291	1.296
5/2/2011 12:10	157200	0.29	1.297
5/2/2011 12:20	157800	0.289	1.297
5/2/2011 12:30	158400	0.287	1.298
5/2/2011 12:40	159000	0.281	1.3
5/2/2011 12:50	159600	0.281	1.3
5/2/2011 13:00	160200	0.28	1.301
5/2/2011 13:10	160800	0.277	1.302
5/2/2011 13:20	161400	0.277	1.302
5/2/2011 13:30	162000	0.276	1.303
5/2/2011 13:40	162600	0.271	1.305
5/2/2011 13:50	163200	0.266	1.307
5/2/2011 14:00	163800	0.266	1.307
5/2/2011 14:10	164400	0.263	1.308
5/2/2011 14:20	165000	0.264	1.308
5/2/2011 14:30	165600	0.266	1.307
5/2/2011 14:40	166200	0.254	1.312
5/2/2011 14:50	166800	0.257	1.311
5/2/2011 15:00	167400	0.255	1.312
5/2/2011 15:10	168000	0.252	1.313
5/2/2011 15:20	168600	0.251	1.313

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Date and Time	Elapsed Time Seconds	SN#: 164696 evel Depth To Water (ft)	SN#: 164696 Pressure (PSI)
5/2/2011 15:30	169200	0.248	1.315
5/2/2011 15:40	169800	0.243	1.317
5/2/2011 15:50	170400	0.244	1.316
5/2/2011 16:00	171000	0.242	1.317
5/2/2011 16:10	171600	0.244	1.316
5/2/2011 16:20	172200	0.247	1.315
5/2/2011 16:30	172800	0.244	1.316
5/2/2011 16:30	172810	0.245	1.316
5/2/2011 16:30	172820	0.244	1.316
5/2/2011 16:30	172830	0.246	1.315
5/2/2011 16:30	172840	0.246	1.315
5/2/2011 16:30	172850	0.244	1.316
5/2/2011 16:31	172860	0.245	1.316
5/2/2011 16:31	172870	0.244	1.316
5/2/2011 16:31	172880	0.245	1.316
5/2/2011 16:31	172890	0.242	1.317
5/2/2011 16:31	172900	0.244	1.316
5/2/2011 16:31	172910	0.243	1.317
5/2/2011 16:32	172920	0.245	1.316
5/2/2011 16:32	172930	0.245	1.316
5/2/2011 16:32	172940	0.244	1.316
5/2/2011 16:32	172950	0.243	1.317
5/2/2011 16:32	172960	0.244	1.316
5/2/2011 16:32	172970	0.242	1.317
5/2/2011 16:33	172980	0.244	1.316
5/2/2011 16:33	172990	0.244	1.316
5/2/2011 16:33	173000	0.242	1.317
5/2/2011 16:33	173010	0.243	1.317
5/2/2011 16:33	173020	0.243	1.317
5/2/2011 16:33	173030	0.243	1.317
5/2/2011 16:34	173040	0.243	1.317
5/2/2011 16:34	173050	0.243	1.317
5/2/2011 16:34	173060	0.244	1.316
5/2/2011 16:34	173070	0.242	1.317
5/2/2011 16:34	173080	0.242	1.317
5/2/2011 16:34	173090	0.241	1.318
5/2/2011 16:35	173100	0.241	1.318
5/2/2011 16:35	173110	0.242	1.317
5/2/2011 16:35	173120	0.243	1.317
5/2/2011 16:35	173130	0.242	1.317
5/2/2011 16:35	173140	0.242	1.317
5/2/2011 16:35	173150	0.243	1.317
5/2/2011 16:36	173160	0.243	1.317
5/2/2011 16:36	173170	0.242	1.317
5/2/2011 16:36	173180	0.242	1.317
5/2/2011 16:36	173190	0.242	1.317
5/2/2011 16:36	173200	0.241	1.318

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Date and Time	Elapsed Time Seconds	SN#: 164696 evel Depth To Water (ft)	SN#: 164696 Pressure (PSI)
5/2/2011 16:36	173210	0.24	1.318
5/2/2011 16:37	173220	0.243	1.317
5/2/2011 16:37	173230	0.24	1.318
5/2/2011 16:37	173240	0.242	1.317
5/2/2011 16:37	173250	0.242	1.317
5/2/2011 16:37	173260	0.241	1.318
5/2/2011 16:37	173270	0.241	1.318
5/2/2011 16:38	173280	0.243	1.317
5/2/2011 16:38	173290	0.241	1.318
5/2/2011 16:38	173300	0.24	1.318
5/2/2011 16:38	173310	0.241	1.318
5/2/2011 16:38	173320	0.242	1.317
5/2/2011 16:38	173330	0.24	1.318
5/2/2011 16:39	173340	0.241	1.318
5/2/2011 16:39	173350	0.242	1.317
5/2/2011 16:39	173360	0.24	1.318
5/2/2011 16:39	173370	0.241	1.318
5/2/2011 16:39	173380	0.241	1.318
5/2/2011 16:39	173390	0.242	1.317
5/2/2011 16:40	173400	0.24	1.318
5/2/2011 16:41	173500	0.24	1.318
5/2/2011 16:43	173600	0.24	1.318
5/2/2011 16:45	173700	0.235	1.32
5/2/2011 16:46	173800	0.239	1.319
5/2/2011 16:48	173900	0.24	1.318
5/2/2011 16:50	174000	0.239	1.319
5/2/2011 16:51	174100	0.239	1.319
5/2/2011 16:53	174200	0.239	1.319
5/2/2011 16:55	174300	0.238	1.319
5/2/2011 16:56	174400	0.237	1.319
5/2/2011 16:58	174500	0.237	1.319
5/2/2011 17:00	174600	0.237	1.319
5/2/2011 17:01	174700	0.239	1.318
5/2/2011 17:03	174800	0.236	1.32
5/2/2011 17:05	174900	0.234	1.321
5/2/2011 17:06	175000	0.236	1.32
5/2/2011 17:08	175100	0.234	1.321
5/2/2011 17:10	175200	0.234	1.32
5/2/2011 17:11	175300	0.233	1.321
5/2/2011 17:13	175400	0.234	1.321
5/2/2011 17:15	175500	0.232	1.321
5/2/2011 17:16	175600	0.235	1.32
5/2/2011 17:18	175700	0.235	1.32
5/2/2011 17:20	175800	0.234	1.321
5/2/2011 17:21	175900	0.235	1.32
5/2/2011 17:23	176000	0.233	1.321
5/2/2011 17:25	176100	0.233	1.321

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Date and Time	Elapsed Time Seconds	SN#: 164696 evel Depth To Water (ft)	SN#: 164696 Pressure (PSI)
5/2/2011 17:26	176200	0.234	1.321
5/2/2011 17:28	176300	0.236	1.32
5/2/2011 17:30	176400	0.237	1.32
5/2/2011 17:31	176500	0.232	1.321
5/2/2011 17:33	176600	0.232	1.321
5/2/2011 17:35	176700	0.233	1.321
5/2/2011 17:36	176800	0.232	1.322
5/2/2011 17:38	176900	0.231	1.322
5/2/2011 17:40	177000	0.234	1.32
5/2/2011 17:41	177100	0.234	1.321
5/2/2011 17:43	177200	0.235	1.32
5/2/2011 17:45	177300	0.233	1.321
5/2/2011 17:46	177400	0.235	1.32
5/2/2011 17:48	177500	0.235	1.32
5/2/2011 17:50	177600	0.235	1.32
5/2/2011 17:51	177700	0.234	1.321
5/2/2011 17:53	177800	0.234	1.321
5/2/2011 17:55	177900	0.235	1.32
5/2/2011 17:56	178000	0.233	1.321
5/2/2011 17:58	178100	0.233	1.321
5/2/2011 18:00	178200	0.229	1.323
5/2/2011 18:01	178300	0.231	1.322
5/2/2011 18:03	178400	0.233	1.321
5/2/2011 18:05	178500	0.231	1.322
5/2/2011 18:06	178600	0.231	1.322
5/2/2011 18:08	178700	0.233	1.321
5/2/2011 18:10	178800	0.229	1.323
5/2/2011 18:26	179800	0.229	1.323
5/2/2011 18:43	180800	0.224	1.325
5/2/2011 19:00	181800	0.223	1.325
5/2/2011 19:16	182800	0.221	1.326
5/2/2011 19:33	183800	0.218	1.328
5/2/2011 19:50	184800	0.215	1.329
5/2/2011 20:06	185800	0.211	1.331
5/2/2011 20:23	186800	0.21	1.331
5/2/2011 20:40	187800	0.213	1.33
5/2/2011 20:56	188800	0.22	1.327
5/2/2011 21:13	189800	0.226	1.324
5/2/2011 21:30	190800	0.227	1.324
5/2/2011 21:46	191800	0.225	1.324
5/2/2011 22:03	192800	0.226	1.324
5/2/2011 22:20	193800	0.227	1.324
5/2/2011 22:36	194800	0.224	1.325
5/2/2011 22:53	195800	0.222	1.326
5/2/2011 23:10	196800	0.22	1.327
5/2/2011 23:26	197800	0.212	1.33
5/2/2011 23:43	198800	0.21	1.331

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Date and Time	Elapsed Time Seconds	SN#: 164696 evel Depth To Water (ft)	SN#: 164696 Pressure (PSI)
5/3/2011 0:00	199800	0.207	1.333
5/3/2011 0:16	200800	0.211	1.331
5/3/2011 0:33	201800	0.203	1.334
5/3/2011 0:50	202800	0.201	1.335
5/3/2011 1:06	203800	0.2	1.336
5/3/2011 1:23	204800	0.201	1.335
5/3/2011 1:40	205800	0.201	1.335
5/3/2011 1:56	206800	0.194	1.338
5/3/2011 2:13	207800	0.188	1.341
5/3/2011 2:30	208800	0.184	1.342
5/3/2011 2:46	209800	0.181	1.343
5/3/2011 3:03	210800	0.177	1.346
5/3/2011 3:20	211800	0.179	1.344
5/3/2011 3:36	212800	0.179	1.345
5/3/2011 3:53	213800	0.176	1.346
5/3/2011 4:10	214800	0.177	1.345
5/3/2011 4:26	215800	0.176	1.346
5/3/2011 4:43	216800	0.172	1.347
5/3/2011 5:00	217800	0.168	1.349
5/3/2011 5:16	218800	0.166	1.35
5/3/2011 5:33	219800	0.163	1.352
5/3/2011 5:50	220800	0.16	1.353
5/3/2011 6:06	221800	0.162	1.352
5/3/2011 6:23	222800	0.16	1.353
5/3/2011 6:40	223800	0.162	1.352
5/3/2011 6:56	224800	0.165	1.35
5/3/2011 7:13	225800	0.17	1.348
5/3/2011 7:30	226800	0.17	1.348
5/3/2011 7:46	227800	0.171	1.348
5/3/2011 8:03	228800	0.173	1.347
5/3/2011 8:20	229800	0.174	1.347
5/3/2011 8:36	230800	0.169	1.349
5/3/2011 8:53	231800	0.166	1.35
5/3/2011 9:10	232800	0.163	1.352
5/3/2011 11:56	242760	0.13	1.366
5/3/2011 14:42	252720	0.09	1.383
5/3/2011 17:28	262680	0.066	1.393
5/3/2011 20:14	272640	0.073	1.391
5/3/2011 23:00	282600	0.093	1.382
5/4/2011 1:46	292560	0.069	1.392
5/4/2011 4:32	302520	0.028	1.41
5/4/2011 7:18	312480	0.024	1.412
5/4/2011 10:04	322440	0.002	1.421
5/4/2011 12:50	332400	-0.039	1.439
5/4/2011 15:36	342360	-0.054	1.445
5/4/2011 18:22	352320	0.02	1.413
5/4/2011 21:08	362280	0.055	1.398

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Date and Time	Elapsed Time Seconds	SN#: 164696 evel Depth To Water (ft)	SN#: 164696 Pressure (PSI)
5/4/2011 23:54	372240	0.037	1.406
5/5/2011 2:40	382200	0.025	1.411
5/5/2011 5:26	392160	-0.006	1.425
5/5/2011 8:12	402120	0.004	1.42
5/5/2011 10:58	412080	-0.013	1.428
5/5/2011 13:44	422040	-0.059	1.448
5/5/2011 16:30	432000	-0.069	1.452
5/5/2011 19:16	441960	-0.077	1.455
5/5/2011 22:02	451920	-0.052	1.445
5/6/2011 0:48	461880	-0.071	1.453
5/6/2011 3:34	471840	-0.103	1.467
5/6/2011 6:20	481800	-0.114	1.471
5/6/2011 9:06	491760	-0.138	1.482
5/6/2011 11:52	501720	-0.154	1.489
5/6/2011 14:38	511680	-0.164	1.493
5/6/2011 17:24	521640	-0.139	1.482
5/6/2011 20:10	531600	-0.089	1.461
5/6/2011 22:56	541560	-0.087	1.46
5/7/2011 1:42	551520	-0.129	1.478
5/7/2011 4:28	561480	-0.101	1.466
5/7/2011 7:14	571440	-0.106	1.468
5/7/2011 10:00	581400	-0.093	1.462
5/7/2011 12:46	591360	-0.134	1.48
5/7/2011 15:32	601320	-0.164	1.493
5/7/2011 15:32	601330	-0.161	1.492
5/7/2011 15:32	601340	-0.162	1.492
5/7/2011 15:32	601350	-0.161	1.492
5/7/2011 15:32	601360	-0.16	1.491
5/7/2011 15:32	601370	-0.162	1.492
5/7/2011 15:33	601380	-0.16	1.492
5/7/2011 15:33	601390	-0.16	1.491
5/7/2011 15:33	601400	-0.161	1.492
5/7/2011 15:33	601410	-0.161	1.492
5/7/2011 15:33	601420	-0.16	1.491
5/7/2011 15:33	601430	-0.161	1.492
5/7/2011 15:34	601440	-0.161	1.492
5/7/2011 15:34	601450	-0.161	1.492
5/7/2011 15:34	601460	-0.162	1.492
5/7/2011 15:34	601470	-0.162	1.492
5/7/2011 15:34	601480	-0.161	1.492
5/7/2011 15:34	601490	-0.161	1.492
5/7/2011 15:35	601500	-0.159	1.491
5/7/2011 15:35	601510	-0.161	1.492
5/7/2011 15:35	601520	-0.161	1.492
5/7/2011 15:35	601530	-0.162	1.492
5/7/2011 15:35	601540	-0.164	1.493
5/7/2011 15:35	601550	-0.164	1.493

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Date and Time	Elapsed Time Seconds	SN#: 164696 evel Depth To Water (ft)	SN#: 164696 Pressure (PSI)
5/7/2011 15:36	601560	-0.163	1.493
5/7/2011 15:36	601570	-0.163	1.492
5/7/2011 15:36	601580	-0.162	1.492
5/7/2011 15:36	601590	-0.162	1.492
5/7/2011 15:36	601600	-0.163	1.493
5/7/2011 15:36	601610	-0.165	1.493
5/7/2011 15:37	601620	-0.164	1.493
5/7/2011 15:37	601630	-0.165	1.493
5/7/2011 15:37	601640	-0.164	1.493
5/7/2011 15:37	601650	-0.163	1.493
5/7/2011 15:37	601660	-0.164	1.493
5/7/2011 15:37	601670	-0.162	1.492
5/7/2011 15:38	601680	-0.162	1.492
5/7/2011 15:38	601690	-0.163	1.493
5/7/2011 15:38	601700	-0.165	1.494
5/7/2011 15:38	601710	-0.166	1.494
5/7/2011 15:38	601720	-0.167	1.494
5/7/2011 15:38	601730	-0.165	1.493
5/7/2011 15:39	601740	-0.167	1.494
5/7/2011 15:39	601750	-0.164	1.493
5/7/2011 15:39	601760	-0.165	1.494
5/7/2011 15:39	601770	-0.167	1.494
5/7/2011 15:39	601780	-0.168	1.495
5/7/2011 15:39	601790	-0.169	1.495
5/7/2011 15:40	601800	-0.167	1.494
5/7/2011 15:40	601810	-0.167	1.495
5/7/2011 15:40	601820	-0.168	1.495
5/7/2011 15:40	601830	-0.167	1.494
5/7/2011 15:40	601840	-0.169	1.495
5/7/2011 15:40	601850	-0.169	1.495
5/7/2011 15:41	601860	-0.168	1.495
5/7/2011 15:41	601870	-0.168	1.495
5/7/2011 15:41	601880	-0.167	1.494
5/7/2011 15:41	601890	-0.17	1.496
5/7/2011 15:41	601900	-0.17	1.496
5/7/2011 15:41	601910	-0.17	1.496
5/7/2011 15:42	601920	-0.169	1.495
5/7/2011 15:43	602020	-0.168	1.495
5/7/2011 15:45	602120	-0.168	1.495
5/7/2011 15:47	602220	-0.169	1.495
5/7/2011 15:48	602320	-0.167	1.494
5/7/2011 15:50	602420	-0.167	1.494
5/7/2011 15:52	602520	-0.169	1.495
5/7/2011 15:53	602620	-0.171	1.496
5/7/2011 15:55	602720	-0.172	1.496
5/7/2011 15:57	602820	-0.173	1.497
5/7/2011 15:58	602920	-0.175	1.498

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Date and Time	Elapsed Time Seconds	SN#: 164696 evel Depth To Water (ft)	SN#: 164696 Pressure (PSI)
5/7/2011 16:00	603020	-0.173	1.497
5/7/2011 16:02	603120	-0.173	1.497
5/7/2011 16:03	603220	-0.172	1.496
5/7/2011 16:05	603320	-0.173	1.497
5/7/2011 16:07	603420	-0.176	1.498
5/7/2011 16:08	603520	-0.173	1.497
5/7/2011 16:10	603620	-0.172	1.497
5/7/2011 16:12	603720	-0.169	1.495
5/7/2011 16:13	603820	-0.168	1.495
5/7/2011 16:15	603920	-0.171	1.496
5/7/2011 16:17	604020	-0.171	1.496
5/7/2011 16:18	604120	-0.17	1.496
5/7/2011 16:20	604220	-0.173	1.497
5/7/2011 16:22	604320	-0.173	1.497
5/7/2011 16:23	604420	-0.172	1.497
5/7/2011 16:25	604520	-0.173	1.497
5/7/2011 16:27	604620	-0.174	1.497
5/7/2011 16:28	604720	-0.175	1.498
5/7/2011 16:30	604820	-0.176	1.498
5/7/2011 16:32	604920	-0.175	1.498
5/7/2011 16:33	605020	-0.173	1.497
5/7/2011 16:35	605120	-0.172	1.497
5/7/2011 16:37	605220	-0.172	1.497
5/7/2011 16:38	605320	-0.17	1.496
5/7/2011 16:40	605420	-0.169	1.495
5/7/2011 16:42	605520	-0.166	1.494
5/7/2011 16:43	605620	-0.165	1.494
5/7/2011 16:45	605720	-0.164	1.493
5/7/2011 16:47	605820	-0.162	1.492
5/7/2011 16:48	605920	-0.162	1.492
5/7/2011 16:50	606020	-0.158	1.491
5/7/2011 16:52	606120	-0.158	1.491
5/7/2011 16:53	606220	-0.158	1.49
5/7/2011 16:55	606320	-0.157	1.49
5/7/2011 16:57	606420	-0.155	1.489
5/7/2011 16:58	606520	-0.157	1.49
5/7/2011 17:00	606620	-0.155	1.489
5/7/2011 17:02	606720	-0.155	1.489
5/7/2011 17:03	606820	-0.154	1.489
5/7/2011 17:05	606920	-0.155	1.489
5/7/2011 17:07	607020	-0.153	1.488
5/7/2011 17:08	607120	-0.152	1.488
5/7/2011 17:10	607220	-0.151	1.487
5/7/2011 17:12	607320	-0.153	1.488
5/7/2011 17:28	608320	-0.146	1.485
5/7/2011 17:45	609320	-0.136	1.481
5/7/2011 18:02	610320	-0.135	1.481

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Date and Time	Elapsed Time Seconds	SN#: 164696 Level Depth To Water (ft)	SN#: 164696 Pressure (PSI)
5/7/2011 18:18	611320	-0.129	1.478
5/7/2011 18:35	612320	-0.125	1.476
5/7/2011 18:52	613320	-0.121	1.474
5/7/2011 19:08	614320	-0.116	1.472
5/7/2011 19:25	615320	-0.116	1.472
5/7/2011 19:42	616320	-0.11	1.47
5/7/2011 19:58	617320	-0.108	1.469
5/7/2011 20:15	618320	-0.108	1.469
5/7/2011 20:32	619320	-0.104	1.467
5/7/2011 20:48	620320	-0.104	1.467
5/7/2011 21:05	621320	-0.1	1.465
5/7/2011 21:22	622320	-0.093	1.462
5/7/2011 21:38	623320	-0.089	1.46
5/7/2011 21:55	624320	-0.086	1.459
5/7/2011 22:12	625320	-0.084	1.458
5/7/2011 22:28	626320	-0.082	1.457
5/7/2011 22:45	627320	-0.087	1.459
5/7/2011 23:02	628320	-0.087	1.46
5/7/2011 23:18	629320	-0.09	1.461
5/7/2011 23:35	630320	-0.09	1.461
5/7/2011 23:52	631320	-0.095	1.463
5/8/2011 0:08	632320	-0.09	1.461
5/8/2011 0:25	633320	-0.088	1.46
5/8/2011 0:42	634320	-0.084	1.458
5/8/2011 0:58	635320	-0.078	1.456
5/8/2011 1:15	636320	-0.08	1.456
5/8/2011 1:32	637320	-0.075	1.455
5/8/2011 1:48	638320	-0.08	1.457
5/8/2011 2:05	639320	-0.078	1.456
5/8/2011 2:22	640320	-0.075	1.455
5/8/2011 2:38	641320	-0.076	1.455
5/8/2011 2:55	642320	-0.079	1.456
5/8/2011 3:12	643320	-0.083	1.458
5/8/2011 3:28	644320	-0.079	1.456
5/8/2011 3:45	645320	-0.076	1.455
5/8/2011 4:02	646320	-0.063	1.449
5/8/2011 4:18	647320	-0.056	1.446
5/8/2011 4:35	648320	-0.059	1.447
5/8/2011 4:52	649320	-0.055	1.446
5/8/2011 5:08	650320	-0.057	1.447
5/8/2011 5:25	651320	-0.049	1.443
5/8/2011 5:42	652320	-0.06	1.448
5/8/2011 5:58	653320	-0.062	1.449
5/8/2011 6:15	654320	-0.058	1.447
5/8/2011 6:32	655320	-0.058	1.447
5/8/2011 6:48	656320	-0.06	1.448
5/8/2011 7:05	657320	-0.054	1.445

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Date and Time	Elapsed Time Seconds	SN#: 164696 evel Depth To Water (ft)	SN#: 164696 Pressure (PSI)
5/8/2011 7:22	658320	-0.051	1.444
5/8/2011 7:38	659320	-0.054	1.445
5/8/2011 7:55	660320	-0.062	1.449
5/8/2011 8:12	661320	-0.063	1.449
5/8/2011 10:58	671280	-0.057	1.447
5/8/2011 13:44	681240	-0.085	1.459
5/8/2011 16:30	691200	-0.053	1.445
5/8/2011 19:16	701160	-0.034	1.437
5/8/2011 22:02	711120	0.015	1.416
5/9/2011 0:48	721080	0.013	1.416
5/9/2011 3:34	731040	0.012	1.417
5/9/2011 6:20	741000	0.036	1.407
5/9/2011 9:06	750960	0.067	1.393
5/9/2011 11:52	760920	0.055	1.398
5/9/2011 14:38	770880	0.059	1.397
5/9/2011 17:24	780840	0.054	1.399
5/9/2011 20:10	790800	0.106	1.376
5/9/2011 22:56	800760	0.14	1.362
5/10/2011 1:42	810720	0.124	1.368
5/10/2011 4:28	820680	0.166	1.35
5/10/2011 7:14	830640	0.216	1.328
5/10/2011 10:00	840600	0.247	1.315
5/10/2011 12:46	850560	0.219	1.327
5/10/2011 15:32	860520	0.197	1.337
5/10/2011 18:18	870480	0.216	1.329
5/10/2011 21:04	880440	0.245	1.316
5/10/2011 23:50	890400	0.269	1.306
5/11/2011 2:36	900360	0.264	1.308
5/11/2011 5:22	910320	0.278	1.302
5/11/2011 8:08	920280	0.311	1.287
5/11/2011 10:54	930240	0.3	1.292
5/11/2011 13:40	940200	0.293	1.295
5/11/2011 16:26	950160	0.272	1.304
5/11/2011 19:12	960120	0.32	1.283
5/11/2011 21:58	970080	0.329	1.28
5/12/2011 0:44	980040	0.319	1.284
5/12/2011 3:30	990000	0.328	1.28
5/12/2011 6:16	999960	0.338	1.276
5/12/2011 9:02	1009920	0.379	1.258
5/12/2011 11:48	1019880	0.36	1.266
5/12/2011 14:34	1029840	0.34	1.275

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Report Date:	5/16/2011 9:27
Report User Name	jgadt
Report Computer	KS-FIELD2-LTP
Application:	WinSitu.exe
Application Versio	5.6.21.0

Log File Properties

File Name	MW3B_043011_FST_Append_2011-05-12_17-39-57-734.wsl
Create Date	5/12/2011 17:39

Device Properties

Device	Level TROLL 700			
Site	MW-3B			
Device Name				
Serial Number	122789			
Firmware Version	2.08			
Hardware Version	2			
Device Address	1			
Device Comm Cfg	19200	8	Even	1
Used Memory	3			
Used Battery	30			

Log Configuration

	Log Name	MW3B_043011_FST
	Created By	jgadt
	Computer Name	KS-FIELD2-LTP
	Application	WinSitu.exe
	Application Version	5.6.21.0
	Create Date	4/30/2011 3:38:11 PM Central Daylight Time
	Log Setup Time Zone	Central Daylight Time
	Notes Size(bytes)	4096
	Overwrite when full	Disabled
	Scheduled Start Time	4/30/2011 4:30:00 PM Central Daylight Time
	Scheduled Stop Time	5/12/2011 4:30:00 PM Central Daylight Time
	Type	Step Test
Steps	9 (Linear)	
	Step	1
	Duration	Days: 2 hrs: 00 mins: 00 secs: 00
	Interval	Days: 0 hrs: 00 mins: 10 secs: 00
	Step	2
	Duration	Days: 0 hrs: 00 mins: 10 secs: 00
	Interval	Days: 0 hrs: 00 mins: 00 secs: 10
	Step	3
	Duration	Days: 0 hrs: 01 mins: 30 secs: 00
	Interval	Days: 0 hrs: 00 mins: 01 secs: 40
	Step	4
	Duration	Days: 0 hrs: 15 mins: 00 secs: 00
	Interval	Days: 0 hrs: 00 mins: 16 secs: 40
	Step	5
	Duration	Days: 4 hrs: 07 mins: 20 secs: 00
	Interval	Days: 0 hrs: 02 mins: 46 secs: 00
	Step	6
	Duration	Days: 0 hrs: 00 mins: 10 secs: 00
	Interval	Days: 0 hrs: 00 mins: 00 secs: 10
	Step	7
	Duration	Days: 0 hrs: 01 mins: 30 secs: 00
	Interval	Days: 0 hrs: 00 mins: 01 secs: 40
	Step	8
	Duration	Days: 0 hrs: 15 mins: 00 secs: 00
	Interval	Days: 0 hrs: 00 mins: 16 secs: 40
	Step	9
	Duration	Days: 4 hrs: 07 mins: 20 secs: 00
	Interval	Days: 0 hrs: 02 mins: 46 secs: 00

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Level Reference Settings At Log Creation

Level Measurement Mode	Level Depth To Water
Specific Gravity	0.999
Level Reference Mode:	Set new reference
Level Reference Value:	0 (ft)
Level Reference Head Pressure	2.95486 (PSI)

Other Log Settings

Depth of Probe:	6.81843 (ft)
Head Pressure:	2.95302 (PSI)
Temperature:	12.5101 (C)

Log Notes:

Date and Time	Note
4/30/2011 15:38	Used Battery: 30% Used Memory: 4% User Name: jgadt

Log Data:

Record Count	699		
Sensors	1		
	1	122789	Pressure/Temp 15 PSIG (11m/35ft)

Time Zone: Central Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122789 Level Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122789 Pressure (PSI)
4/30/2011 16:30	0	-0.011	2.96
4/30/2011 16:40	600	0.328	2.813
4/30/2011 16:50	1200	0.534	2.723
4/30/2011 17:00	1800	0.571	2.707
4/30/2011 17:10	2400	0.581	2.703
4/30/2011 17:20	3000	0.591	2.699
4/30/2011 17:30	3600	0.599	2.696
4/30/2011 17:40	4200	0.61	2.691
4/30/2011 17:50	4800	0.61	2.691
4/30/2011 18:00	5400	0.615	2.688
4/30/2011 18:10	6000	0.619	2.687
4/30/2011 18:20	6600	0.621	2.686
4/30/2011 18:30	7200	0.621	2.686
4/30/2011 18:40	7800	0.625	2.684
4/30/2011 18:50	8400	0.622	2.685
4/30/2011 19:00	9000	0.636	2.679
4/30/2011 19:10	9600	0.635	2.68
4/30/2011 19:20	10200	0.641	2.677
4/30/2011 19:30	10800	0.641	2.677
4/30/2011 19:40	11400	0.648	2.674
4/30/2011 19:50	12000	0.641	2.677
4/30/2011 20:00	12600	0.65	2.673
4/30/2011 20:10	13200	0.653	2.672
4/30/2011 20:20	13800	0.664	2.667
4/30/2011 20:30	14400	0.663	2.668
4/30/2011 20:40	15000	0.667	2.666
4/30/2011 20:50	15600	0.675	2.662
4/30/2011 21:00	16200	0.678	2.661
4/30/2011 21:10	16800	0.684	2.659

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4/30/2011 21:20	17400	0.685	2.658
4/30/2011 21:30	18000	0.69	2.656
4/30/2011 21:40	18600	0.695	2.654
4/30/2011 21:50	19200	0.7	2.652
4/30/2011 22:00	19800	0.701	2.651
4/30/2011 22:10	20400	0.707	2.649
4/30/2011 22:20	21000	0.709	2.648
4/30/2011 22:30	21600	0.712	2.647
4/30/2011 22:40	22200	0.716	2.645
4/30/2011 22:50	22800	0.718	2.644
4/30/2011 23:00	23400	0.715	2.645
4/30/2011 23:10	24000	0.714	2.645
4/30/2011 23:20	24600	0.715	2.645
4/30/2011 23:30	25200	0.715	2.645
4/30/2011 23:40	25800	0.72	2.643
4/30/2011 23:50	26400	0.721	2.643
5/1/2011 0:00	27000	0.722	2.642
5/1/2011 0:10	27600	0.723	2.642
5/1/2011 0:20	28200	0.725	2.641
5/1/2011 0:30	28800	0.725	2.641
5/1/2011 0:40	29400	0.725	2.641
5/1/2011 0:50	30000	0.727	2.64
5/1/2011 1:00	30600	0.726	2.641
5/1/2011 1:10	31200	0.727	2.64
5/1/2011 1:20	31800	0.727	2.64
5/1/2011 1:30	32400	0.725	2.641
5/1/2011 1:40	33000	0.724	2.641
5/1/2011 1:50	33600	0.72	2.643
5/1/2011 2:00	34200	0.719	2.643
5/1/2011 2:10	34800	0.718	2.644
5/1/2011 2:20	35400	0.719	2.644
5/1/2011 2:30	36000	0.711	2.647
5/1/2011 2:40	36600	0.706	2.649
5/1/2011 2:50	37200	0.699	2.652
5/1/2011 3:00	37800	0.692	2.655
5/1/2011 3:10	38400	0.688	2.657
5/1/2011 3:20	39000	0.689	2.656
5/1/2011 3:30	39600	0.694	2.654
5/1/2011 3:40	40200	0.694	2.654
5/1/2011 3:50	40800	0.693	2.655
5/1/2011 4:00	41400	0.691	2.656
5/1/2011 4:10	42000	0.684	2.659
5/1/2011 4:20	42600	0.682	2.66
5/1/2011 4:30	43200	0.681	2.66
5/1/2011 4:40	43800	0.68	2.66
5/1/2011 4:50	44400	0.679	2.661
5/1/2011 5:00	45000	0.676	2.662
5/1/2011 5:10	45600	0.675	2.663
5/1/2011 5:20	46200	0.68	2.66
5/1/2011 5:30	46800	0.681	2.66
5/1/2011 5:40	47400	0.684	2.658
5/1/2011 5:50	48000	0.683	2.659
5/1/2011 6:00	48600	0.682	2.66
5/1/2011 6:10	49200	0.684	2.659
5/1/2011 6:20	49800	0.69	2.656
5/1/2011 6:30	50400	0.695	2.654
5/1/2011 6:40	51000	0.698	2.653
5/1/2011 6:50	51600	0.695	2.654
5/1/2011 7:00	52200	0.702	2.651
5/1/2011 7:10	52800	0.701	2.651
5/1/2011 7:20	53400	0.703	2.651
5/1/2011 7:30	54000	0.707	2.649
5/1/2011 7:40	54600	0.704	2.65
5/1/2011 7:50	55200	0.704	2.65

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5/1/2011 8:00	55800	0.705	2.65
5/1/2011 8:10	56400	0.698	2.653
5/1/2011 8:20	57000	0.697	2.653
5/1/2011 8:30	57600	0.697	2.653
5/1/2011 8:40	58200	0.696	2.653
5/1/2011 8:50	58800	0.696	2.653
5/1/2011 9:00	59400	0.692	2.655
5/1/2011 9:10	60000	0.689	2.656
5/1/2011 9:20	60600	0.695	2.654
5/1/2011 9:30	61200	0.697	2.653
5/1/2011 9:40	61800	0.701	2.651
5/1/2011 9:50	62400	0.703	2.65
5/1/2011 10:00	63000	0.701	2.651
5/1/2011 10:10	63600	0.698	2.653
5/1/2011 10:20	64200	0.698	2.652
5/1/2011 10:30	64800	0.703	2.65
5/1/2011 10:40	65400	0.702	2.651
5/1/2011 10:50	66000	0.702	2.651
5/1/2011 11:00	66600	0.706	2.649
5/1/2011 11:10	67200	0.711	2.647
5/1/2011 11:20	67800	0.716	2.645
5/1/2011 11:30	68400	0.714	2.646
5/1/2011 11:40	69000	0.715	2.645
5/1/2011 11:50	69600	0.717	2.644
5/1/2011 12:00	70200	0.716	2.645
5/1/2011 12:10	70800	0.708	2.648
5/1/2011 12:20	71400	0.71	2.648
5/1/2011 12:30	72000	0.706	2.649
5/1/2011 12:40	72600	0.703	2.65
5/1/2011 12:50	73200	0.706	2.649
5/1/2011 13:00	73800	0.706	2.649
5/1/2011 13:10	74400	0.706	2.649
5/1/2011 13:20	75000	0.703	2.65
5/1/2011 13:30	75600	0.699	2.652
5/1/2011 13:40	76200	0.696	2.653
5/1/2011 13:50	76800	0.698	2.653
5/1/2011 14:00	77400	0.701	2.651
5/1/2011 14:10	78000	0.704	2.65
5/1/2011 14:20	78600	0.699	2.652
5/1/2011 14:30	79200	0.705	2.65
5/1/2011 14:40	79800	0.703	2.65
5/1/2011 14:50	80400	0.701	2.651
5/1/2011 15:00	81000	0.705	2.65
5/1/2011 15:10	81600	0.703	2.65
5/1/2011 15:20	82200	0.699	2.652
5/1/2011 15:30	82800	0.696	2.653
5/1/2011 15:40	83400	0.689	2.656
5/1/2011 15:50	84000	0.689	2.657
5/1/2011 16:00	84600	0.685	2.658
5/1/2011 16:10	85200	0.687	2.657
5/1/2011 16:20	85800	0.683	2.659
5/1/2011 16:30	86400	0.682	2.659
5/1/2011 16:40	87000	0.677	2.662
5/1/2011 16:50	87600	0.68	2.66
5/1/2011 17:00	88200	0.676	2.662
5/1/2011 17:10	88800	0.678	2.661
5/1/2011 17:20	89400	0.672	2.664
5/1/2011 17:30	90000	0.677	2.662
5/1/2011 17:40	90600	0.677	2.662
5/1/2011 17:50	91200	0.678	2.661
5/1/2011 18:00	91800	0.674	2.663
5/1/2011 18:10	92400	0.679	2.661
5/1/2011 18:20	93000	0.681	2.66
5/1/2011 18:30	93600	0.679	2.661

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5/1/2011 18:40	94200	0.679	2.661
5/1/2011 18:50	94800	0.681	2.66
5/1/2011 19:00	95400	0.68	2.66
5/1/2011 19:10	96000	0.681	2.66
5/1/2011 19:20	96600	0.685	2.658
5/1/2011 19:30	97200	0.681	2.66
5/1/2011 19:40	97800	0.684	2.659
5/1/2011 19:50	98400	0.687	2.657
5/1/2011 20:00	99000	0.692	2.655
5/1/2011 20:10	99600	0.693	2.655
5/1/2011 20:20	100200	0.697	2.653
5/1/2011 20:30	100800	0.698	2.652
5/1/2011 20:40	101400	0.7	2.652
5/1/2011 20:50	102000	0.704	2.65
5/1/2011 21:00	102600	0.706	2.649
5/1/2011 21:10	103200	0.705	2.649
5/1/2011 21:20	103800	0.709	2.648
5/1/2011 21:30	104400	0.712	2.646
5/1/2011 21:40	105000	0.717	2.644
5/1/2011 21:50	105600	0.722	2.642
5/1/2011 22:00	106200	0.724	2.641
5/1/2011 22:10	106800	0.725	2.641
5/1/2011 22:20	107400	0.727	2.64
5/1/2011 22:30	108000	0.729	2.639
5/1/2011 22:40	108600	0.731	2.638
5/1/2011 22:50	109200	0.731	2.638
5/1/2011 23:00	109800	0.732	2.638
5/1/2011 23:10	110400	0.734	2.637
5/1/2011 23:20	111000	0.737	2.636
5/1/2011 23:30	111600	0.735	2.636
5/1/2011 23:40	112200	0.738	2.635
5/1/2011 23:50	112800	0.736	2.636
5/2/2011 0:00	113400	0.736	2.636
5/2/2011 0:10	114000	0.737	2.636
5/2/2011 0:20	114600	0.739	2.635
5/2/2011 0:30	115200	0.736	2.636
5/2/2011 0:40	115800	0.743	2.633
5/2/2011 0:50	116400	0.742	2.633
5/2/2011 1:00	117000	0.742	2.634
5/2/2011 1:10	117600	0.742	2.634
5/2/2011 1:20	118200	0.741	2.634
5/2/2011 1:30	118800	0.739	2.635
5/2/2011 1:40	119400	0.739	2.635
5/2/2011 1:50	120000	0.737	2.635
5/2/2011 2:00	120600	0.732	2.638
5/2/2011 2:10	121200	0.73	2.639
5/2/2011 2:20	121800	0.726	2.641
5/2/2011 2:30	122400	0.723	2.642
5/2/2011 2:40	123000	0.721	2.643
5/2/2011 2:50	123600	0.72	2.643
5/2/2011 3:00	124200	0.718	2.644
5/2/2011 3:10	124800	0.713	2.646
5/2/2011 3:20	125400	0.712	2.646
5/2/2011 3:30	126000	0.711	2.647
5/2/2011 3:40	126600	0.714	2.645
5/2/2011 3:50	127200	0.719	2.644
5/2/2011 4:00	127800	0.722	2.642
5/2/2011 4:10	128400	0.723	2.642
5/2/2011 4:20	129000	0.723	2.642
5/2/2011 4:30	129600	0.724	2.641
5/2/2011 4:40	130200	0.727	2.64
5/2/2011 4:50	130800	0.732	2.638
5/2/2011 5:00	131400	0.73	2.639
5/2/2011 5:10	132000	0.726	2.64

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5/2/2011 5:20	132600	0.727	2.64
5/2/2011 5:30	133200	0.729	2.639
5/2/2011 5:40	133800	0.729	2.639
5/2/2011 5:50	134400	0.728	2.64
5/2/2011 6:00	135000	0.725	2.641
5/2/2011 6:10	135600	0.728	2.64
5/2/2011 6:20	136200	0.724	2.641
5/2/2011 6:30	136800	0.721	2.643
5/2/2011 6:40	137400	0.725	2.641
5/2/2011 6:50	138000	0.724	2.641
5/2/2011 7:00	138600	0.726	2.64
5/2/2011 7:10	139200	0.73	2.639
5/2/2011 7:20	139800	0.733	2.638
5/2/2011 7:30	140400	0.739	2.635
5/2/2011 7:40	141000	0.748	2.631
5/2/2011 7:50	141600	0.75	2.63
5/2/2011 8:00	142200	0.753	2.629
5/2/2011 8:10	142800	0.758	2.627
5/2/2011 8:20	143400	0.76	2.626
5/2/2011 8:30	144000	0.762	2.625
5/2/2011 8:40	144600	0.767	2.623
5/2/2011 8:50	145200	0.775	2.619
5/2/2011 9:00	145800	0.777	2.618
5/2/2011 9:10	146400	0.781	2.617
5/2/2011 9:20	147000	0.781	2.616
5/2/2011 9:30	147600	0.784	2.615
5/2/2011 9:40	148200	0.788	2.614
5/2/2011 9:50	148800	0.792	2.612
5/2/2011 10:00	149400	0.791	2.612
5/2/2011 10:10	150000	0.793	2.612
5/2/2011 10:20	150600	0.791	2.612
5/2/2011 10:30	151200	0.792	2.612
5/2/2011 10:40	151800	0.793	2.611
5/2/2011 10:50	152400	0.789	2.613
5/2/2011 11:00	153000	0.791	2.612
5/2/2011 11:10	153600	0.789	2.613
5/2/2011 11:20	154200	0.789	2.613
5/2/2011 11:30	154800	0.787	2.614
5/2/2011 11:40	155400	0.786	2.614
5/2/2011 11:50	156000	0.785	2.615
5/2/2011 12:00	156600	0.782	2.616
5/2/2011 12:10	157200	0.782	2.616
5/2/2011 12:20	157800	0.784	2.615
5/2/2011 12:30	158400	0.779	2.618
5/2/2011 12:40	159000	0.778	2.618
5/2/2011 12:50	159600	0.774	2.62
5/2/2011 13:00	160200	0.774	2.62
5/2/2011 13:10	160800	0.771	2.621
5/2/2011 13:20	161400	0.767	2.623
5/2/2011 13:30	162000	0.764	2.624
5/2/2011 13:40	162600	0.763	2.625
5/2/2011 13:50	163200	0.758	2.627
5/2/2011 14:00	163800	0.756	2.627
5/2/2011 14:10	164400	0.752	2.629
5/2/2011 14:20	165000	0.752	2.629
5/2/2011 14:30	165600	0.753	2.629
5/2/2011 14:40	166200	0.745	2.632
5/2/2011 14:50	166800	0.742	2.634
5/2/2011 15:00	167400	0.738	2.635
5/2/2011 15:10	168000	0.737	2.635
5/2/2011 15:20	168600	0.735	2.636
5/2/2011 15:30	169200	0.731	2.638
5/2/2011 15:40	169800	0.726	2.64
5/2/2011 15:50	170400	0.722	2.642

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5/2/2011 16:00	171000	0.719	2.644
5/2/2011 16:10	171600	0.719	2.644
5/2/2011 16:20	172200	0.719	2.644
5/2/2011 16:30	172800	0.717	2.644
5/2/2011 16:30	172810	0.719	2.644
5/2/2011 16:30	172820	0.715	2.645
5/2/2011 16:30	172830	0.718	2.644
5/2/2011 16:30	172840	0.718	2.644
5/2/2011 16:30	172850	0.716	2.645
5/2/2011 16:31	172860	0.717	2.644
5/2/2011 16:31	172870	0.718	2.644
5/2/2011 16:31	172880	0.715	2.645
5/2/2011 16:31	172890	0.714	2.646
5/2/2011 16:31	172900	0.711	2.647
5/2/2011 16:31	172910	0.709	2.648
5/2/2011 16:32	172920	0.704	2.65
5/2/2011 16:32	172930	0.7	2.652
5/2/2011 16:32	172940	0.694	2.654
5/2/2011 16:32	172950	0.688	2.657
5/2/2011 16:32	172960	0.68	2.66
5/2/2011 16:32	172970	0.673	2.663
5/2/2011 16:33	172980	0.666	2.667
5/2/2011 16:33	172990	0.657	2.67
5/2/2011 16:33	173000	0.649	2.674
5/2/2011 16:33	173010	0.64	2.678
5/2/2011 16:33	173020	0.634	2.68
5/2/2011 16:33	173030	0.624	2.685
5/2/2011 16:34	173040	0.614	2.689
5/2/2011 16:34	173050	0.605	2.693
5/2/2011 16:34	173060	0.596	2.697
5/2/2011 16:34	173070	0.587	2.701
5/2/2011 16:34	173080	0.578	2.704
5/2/2011 16:34	173090	0.569	2.708
5/2/2011 16:35	173100	0.558	2.713
5/2/2011 16:35	173110	0.55	2.717
5/2/2011 16:35	173120	0.541	2.721
5/2/2011 16:35	173130	0.533	2.724
5/2/2011 16:35	173140	0.523	2.728
5/2/2011 16:35	173150	0.517	2.731
5/2/2011 16:36	173160	0.507	2.735
5/2/2011 16:36	173170	0.497	2.74
5/2/2011 16:36	173180	0.489	2.743
5/2/2011 16:36	173190	0.48	2.747
5/2/2011 16:36	173200	0.473	2.75
5/2/2011 16:36	173210	0.465	2.753
5/2/2011 16:37	173220	0.456	2.757
5/2/2011 16:37	173230	0.451	2.76
5/2/2011 16:37	173240	0.445	2.762
5/2/2011 16:37	173250	0.434	2.767
5/2/2011 16:37	173260	0.427	2.77
5/2/2011 16:37	173270	0.42	2.773
5/2/2011 16:38	173280	0.413	2.776
5/2/2011 16:38	173290	0.406	2.779
5/2/2011 16:38	173300	0.4	2.782
5/2/2011 16:38	173310	0.394	2.784
5/2/2011 16:38	173320	0.387	2.787
5/2/2011 16:38	173330	0.38	2.79
5/2/2011 16:39	173340	0.374	2.793
5/2/2011 16:39	173350	0.368	2.795
5/2/2011 16:39	173360	0.363	2.798
5/2/2011 16:39	173370	0.355	2.801
5/2/2011 16:39	173380	0.348	2.804
5/2/2011 16:39	173390	0.344	2.806
5/2/2011 16:40	173400	0.339	2.808

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5/2/2011 16:41	173500	0.291	2.829
5/2/2011 16:43	173600	0.253	2.845
5/2/2011 16:45	173700	0.225	2.857
5/2/2011 16:46	173800	0.203	2.867
5/2/2011 16:48	173900	0.186	2.874
5/2/2011 16:50	174000	0.17	2.881
5/2/2011 16:51	174100	0.16	2.886
5/2/2011 16:53	174200	0.151	2.889
5/2/2011 16:55	174300	0.146	2.892
5/2/2011 16:56	174400	0.141	2.894
5/2/2011 16:58	174500	0.135	2.896
5/2/2011 17:00	174600	0.132	2.898
5/2/2011 17:01	174700	0.131	2.898
5/2/2011 17:03	174800	0.128	2.899
5/2/2011 17:05	174900	0.127	2.9
5/2/2011 17:06	175000	0.125	2.901
5/2/2011 17:08	175100	0.122	2.902
5/2/2011 17:10	175200	0.12	2.903
5/2/2011 17:11	175300	0.118	2.904
5/2/2011 17:13	175400	0.121	2.903
5/2/2011 17:15	175500	0.119	2.903
5/2/2011 17:16	175600	0.118	2.904
5/2/2011 17:18	175700	0.118	2.904
5/2/2011 17:20	175800	0.116	2.905
5/2/2011 17:21	175900	0.117	2.904
5/2/2011 17:23	176000	0.116	2.905
5/2/2011 17:25	176100	0.118	2.904
5/2/2011 17:26	176200	0.116	2.905
5/2/2011 17:28	176300	0.117	2.904
5/2/2011 17:30	176400	0.119	2.903
5/2/2011 17:31	176500	0.119	2.903
5/2/2011 17:33	176600	0.115	2.905
5/2/2011 17:35	176700	0.116	2.905
5/2/2011 17:36	176800	0.117	2.904
5/2/2011 17:38	176900	0.113	2.906
5/2/2011 17:40	177000	0.115	2.905
5/2/2011 17:41	177100	0.114	2.906
5/2/2011 17:43	177200	0.113	2.906
5/2/2011 17:45	177300	0.115	2.905
5/2/2011 17:46	177400	0.116	2.905
5/2/2011 17:48	177500	0.114	2.906
5/2/2011 17:50	177600	0.114	2.906
5/2/2011 17:51	177700	0.113	2.906
5/2/2011 17:53	177800	0.114	2.906
5/2/2011 17:55	177900	0.112	2.907
5/2/2011 17:56	178000	0.115	2.905
5/2/2011 17:58	178100	0.112	2.906
5/2/2011 18:00	178200	0.109	2.908
5/2/2011 18:01	178300	0.111	2.907
5/2/2011 18:03	178400	0.11	2.907
5/2/2011 18:05	178500	0.112	2.906
5/2/2011 18:06	178600	0.11	2.907
5/2/2011 18:08	178700	0.112	2.907
5/2/2011 18:10	178800	0.11	2.907
5/2/2011 18:26	179800	0.109	2.908
5/2/2011 18:43	180800	0.105	2.91
5/2/2011 19:00	181800	0.105	2.909
5/2/2011 19:16	182800	0.104	2.91
5/2/2011 19:33	183800	0.103	2.91
5/2/2011 19:50	184800	0.103	2.91
5/2/2011 20:06	185800	0.1	2.911
5/2/2011 20:23	186800	0.102	2.911
5/2/2011 20:40	187800	0.102	2.911
5/2/2011 20:56	188800	0.105	2.91

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5/2/2011 21:13	189800	0.112	2.906
5/2/2011 21:30	190800	0.115	2.905
5/2/2011 21:46	191800	0.117	2.904
5/2/2011 22:03	192800	0.117	2.904
5/2/2011 22:20	193800	0.12	2.903
5/2/2011 22:36	194800	0.12	2.903
5/2/2011 22:53	195800	0.121	2.902
5/2/2011 23:10	196800	0.122	2.902
5/2/2011 23:26	197800	0.119	2.903
5/2/2011 23:43	198800	0.116	2.905
5/3/2011 0:00	199800	0.112	2.906
5/3/2011 0:16	200800	0.115	2.905
5/3/2011 0:33	201800	0.111	2.907
5/3/2011 0:50	202800	0.105	2.909
5/3/2011 1:06	203800	0.101	2.911
5/3/2011 1:23	204800	0.1	2.912
5/3/2011 1:40	205800	0.1	2.912
5/3/2011 1:56	206800	0.094	2.914
5/3/2011 2:13	207800	0.089	2.916
5/3/2011 2:30	208800	0.082	2.919
5/3/2011 2:46	209800	0.084	2.919
5/3/2011 3:03	210800	0.079	2.92
5/3/2011 3:20	211800	0.081	2.92
5/3/2011 3:36	212800	0.08	2.92
5/3/2011 3:53	213800	0.082	2.92
5/3/2011 4:10	214800	0.082	2.919
5/3/2011 4:26	215800	0.084	2.918
5/3/2011 4:43	216800	0.084	2.919
5/3/2011 5:00	217800	0.084	2.918
5/3/2011 5:16	218800	0.081	2.92
5/3/2011 5:33	219800	0.08	2.92
5/3/2011 5:50	220800	0.08	2.92
5/3/2011 6:06	221800	0.078	2.921
5/3/2011 6:23	222800	0.082	2.92
5/3/2011 6:40	223800	0.083	2.919
5/3/2011 6:56	224800	0.083	2.919
5/3/2011 7:13	225800	0.086	2.917
5/3/2011 7:30	226800	0.09	2.916
5/3/2011 7:46	227800	0.092	2.915
5/3/2011 8:03	228800	0.095	2.914
5/3/2011 8:20	229800	0.1	2.912
5/3/2011 8:36	230800	0.098	2.912
5/3/2011 8:53	231800	0.096	2.913
5/3/2011 9:10	232800	0.098	2.912
5/3/2011 11:56	242760	0.084	2.919
5/3/2011 14:42	252720	0.043	2.936
5/3/2011 17:28	262680	0.013	2.949
5/3/2011 20:14	272640	0.012	2.949
5/3/2011 23:00	282600	0.04	2.937
5/4/2011 1:46	292560	0.042	2.936
5/4/2011 4:32	302520	0.018	2.947
5/4/2011 7:18	312480	0.005	2.952
5/4/2011 10:04	322440	0	2.955
5/4/2011 12:50	332400	-0.036	2.97
5/4/2011 15:36	342360	-0.075	2.987
5/4/2011 18:22	352320	-0.031	2.968
5/4/2011 21:08	362280	0.036	2.939
5/4/2011 23:54	372240	0.091	2.916
5/5/2011 2:40	382200	0.076	2.922
5/5/2011 5:26	392160	0.044	2.936
5/5/2011 8:12	402120	0.045	2.935
5/5/2011 10:58	412080	0.037	2.939
5/5/2011 13:44	422040	0.001	2.954
5/5/2011 16:30	432000	-0.033	2.969

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5/5/2011 19:16	441960	-0.05	2.977
5/5/2011 22:02	451920	-0.038	2.971
5/6/2011 0:48	461880	-0.041	2.973
5/6/2011 3:34	471840	-0.077	2.988
5/6/2011 6:20	481800	-0.093	2.995
5/6/2011 9:06	491760	-0.118	3.006
5/6/2011 11:52	501720	-0.146	3.018
5/6/2011 14:38	511680	-0.158	3.023
5/6/2011 17:24	521640	-0.131	3.012
5/6/2011 20:10	531600	-0.075	2.987
5/6/2011 22:56	541560	-0.028	2.967
5/7/2011 1:42	551520	-0.057	2.98
5/7/2011 4:28	561480	-0.023	2.965
5/7/2011 7:14	571440	-0.024	2.965
5/7/2011 10:00	581400	0.005	2.953
5/7/2011 12:46	591360	-0.019	2.963
5/7/2011 15:32	601320	-0.054	2.978
5/7/2011 15:32	601330	-0.052	2.977
5/7/2011 15:32	601340	-0.052	2.977
5/7/2011 15:32	601350	-0.053	2.978
5/7/2011 15:32	601360	-0.052	2.978
5/7/2011 15:32	601370	-0.053	2.978
5/7/2011 15:33	601380	-0.054	2.978
5/7/2011 15:33	601390	-0.052	2.977
5/7/2011 15:33	601400	-0.051	2.977
5/7/2011 15:33	601410	-0.05	2.977
5/7/2011 15:33	601420	-0.051	2.977
5/7/2011 15:33	601430	-0.052	2.977
5/7/2011 15:34	601440	-0.051	2.977
5/7/2011 15:34	601450	-0.05	2.976
5/7/2011 15:34	601460	-0.051	2.977
5/7/2011 15:34	601470	-0.05	2.976
5/7/2011 15:34	601480	-0.051	2.977
5/7/2011 15:34	601490	-0.051	2.977
5/7/2011 15:35	601500	-0.05	2.977
5/7/2011 15:35	601510	-0.051	2.977
5/7/2011 15:35	601520	-0.05	2.976
5/7/2011 15:35	601530	-0.052	2.977
5/7/2011 15:35	601540	-0.053	2.978
5/7/2011 15:35	601550	-0.052	2.977
5/7/2011 15:36	601560	-0.053	2.978
5/7/2011 15:36	601570	-0.051	2.977
5/7/2011 15:36	601580	-0.052	2.977
5/7/2011 15:36	601590	-0.052	2.977
5/7/2011 15:36	601600	-0.052	2.977
5/7/2011 15:36	601610	-0.054	2.978
5/7/2011 15:37	601620	-0.054	2.978
5/7/2011 15:37	601630	-0.052	2.978
5/7/2011 15:37	601640	-0.052	2.978
5/7/2011 15:37	601650	-0.053	2.978
5/7/2011 15:37	601660	-0.051	2.977
5/7/2011 15:37	601670	-0.052	2.977
5/7/2011 15:38	601680	-0.053	2.978
5/7/2011 15:38	601690	-0.052	2.977
5/7/2011 15:38	601700	-0.053	2.978
5/7/2011 15:38	601710	-0.054	2.978
5/7/2011 15:38	601720	-0.055	2.979
5/7/2011 15:38	601730	-0.053	2.978
5/7/2011 15:39	601740	-0.049	2.976
5/7/2011 15:39	601750	-0.05	2.977
5/7/2011 15:39	601760	-0.053	2.978
5/7/2011 15:39	601770	-0.055	2.979
5/7/2011 15:39	601780	-0.056	2.979
5/7/2011 15:39	601790	-0.055	2.979

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5/7/2011 15:40	601800	-0.054	2.978
5/7/2011 15:40	601810	-0.052	2.978
5/7/2011 15:40	601820	-0.053	2.978
5/7/2011 15:40	601830	-0.056	2.979
5/7/2011 15:40	601840	-0.056	2.979
5/7/2011 15:40	601850	-0.056	2.979
5/7/2011 15:41	601860	-0.056	2.979
5/7/2011 15:41	601870	-0.055	2.979
5/7/2011 15:41	601880	-0.057	2.98
5/7/2011 15:41	601890	-0.056	2.979
5/7/2011 15:41	601900	-0.058	2.98
5/7/2011 15:41	601910	-0.057	2.979
5/7/2011 15:42	601920	-0.057	2.98
5/7/2011 15:43	602020	-0.057	2.98
5/7/2011 15:45	602120	-0.056	2.979
5/7/2011 15:47	602220	-0.054	2.978
5/7/2011 15:48	602320	-0.057	2.98
5/7/2011 15:50	602420	-0.056	2.979
5/7/2011 15:52	602520	-0.058	2.98
5/7/2011 15:53	602620	-0.059	2.981
5/7/2011 15:55	602720	-0.06	2.981
5/7/2011 15:57	602820	-0.062	2.982
5/7/2011 15:58	602920	-0.062	2.982
5/7/2011 16:00	603020	-0.063	2.982
5/7/2011 16:02	603120	-0.063	2.982
5/7/2011 16:03	603220	-0.064	2.982
5/7/2011 16:05	603320	-0.064	2.983
5/7/2011 16:07	603420	-0.066	2.983
5/7/2011 16:08	603520	-0.064	2.982
5/7/2011 16:10	603620	-0.065	2.983
5/7/2011 16:12	603720	-0.064	2.982
5/7/2011 16:13	603820	-0.063	2.982
5/7/2011 16:15	603920	-0.064	2.983
5/7/2011 16:17	604020	-0.066	2.984
5/7/2011 16:18	604120	-0.063	2.982
5/7/2011 16:20	604220	-0.065	2.983
5/7/2011 16:22	604320	-0.067	2.984
5/7/2011 16:23	604420	-0.066	2.983
5/7/2011 16:25	604520	-0.067	2.984
5/7/2011 16:27	604620	-0.066	2.984
5/7/2011 16:28	604720	-0.067	2.984
5/7/2011 16:30	604820	-0.068	2.984
5/7/2011 16:32	604920	-0.07	2.985
5/7/2011 16:33	605020	-0.064	2.982
5/7/2011 16:35	605120	0.01	2.951
5/7/2011 16:37	605220	0.101	2.911
5/7/2011 16:38	605320	0.193	2.871
5/7/2011 16:40	605420	0.267	2.839
5/7/2011 16:42	605520	0.325	2.814
5/7/2011 16:43	605620	0.371	2.794
5/7/2011 16:45	605720	0.408	2.778
5/7/2011 16:47	605820	0.438	2.765
5/7/2011 16:48	605920	0.458	2.757
5/7/2011 16:50	606020	0.476	2.749
5/7/2011 16:52	606120	0.486	2.744
5/7/2011 16:53	606220	0.495	2.74
5/7/2011 16:55	606320	0.503	2.737
5/7/2011 16:57	606420	0.509	2.735
5/7/2011 16:58	606520	0.513	2.733
5/7/2011 17:00	606620	0.517	2.731
5/7/2011 17:02	606720	0.517	2.731
5/7/2011 17:03	606820	0.52	2.73
5/7/2011 17:05	606920	0.518	2.731
5/7/2011 17:07	607020	0.521	2.729

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5/7/2011 17:08	607120	0.521	2.729
5/7/2011 17:10	607220	0.52	2.729
5/7/2011 17:12	607320	0.524	2.728
5/7/2011 17:28	608320	0.52	2.73
5/7/2011 17:45	609320	0.524	2.728
5/7/2011 18:02	610320	0.523	2.728
5/7/2011 18:18	611320	0.523	2.728
5/7/2011 18:35	612320	0.524	2.728
5/7/2011 18:52	613320	0.527	2.726
5/7/2011 19:08	614320	0.53	2.725
5/7/2011 19:25	615320	0.527	2.727
5/7/2011 19:42	616320	0.529	2.726
5/7/2011 19:58	617320	0.536	2.723
5/7/2011 20:15	618320	0.534	2.724
5/7/2011 20:32	619320	0.532	2.725
5/7/2011 20:48	620320	0.534	2.724
5/7/2011 21:05	621320	0.535	2.723
5/7/2011 21:22	622320	0.542	2.72
5/7/2011 21:38	623320	0.544	2.719
5/7/2011 21:55	624320	0.546	2.719
5/7/2011 22:12	625320	0.545	2.719
5/7/2011 22:28	626320	0.549	2.717
5/7/2011 22:45	627320	0.547	2.718
5/7/2011 23:02	628320	0.542	2.72
5/7/2011 23:18	629320	0.543	2.72
5/7/2011 23:35	630320	0.54	2.721
5/7/2011 23:52	631320	0.537	2.722
5/8/2011 0:08	632320	0.538	2.722
5/8/2011 0:25	633320	0.537	2.722
5/8/2011 0:42	634320	0.539	2.722
5/8/2011 0:58	635320	0.544	2.719
5/8/2011 1:15	636320	0.539	2.721
5/8/2011 1:32	637320	0.542	2.72
5/8/2011 1:48	638320	0.54	2.721
5/8/2011 2:05	639320	0.54	2.721
5/8/2011 2:22	640320	0.539	2.721
5/8/2011 2:38	641320	0.535	2.723
5/8/2011 2:55	642320	0.533	2.724
5/8/2011 3:12	643320	0.532	2.724
5/8/2011 3:28	644320	0.527	2.726
5/8/2011 3:45	645320	0.528	2.726
5/8/2011 4:02	646320	0.535	2.723
5/8/2011 4:18	647320	0.542	2.72
5/8/2011 4:35	648320	0.539	2.721
5/8/2011 4:52	649320	0.541	2.721
5/8/2011 5:08	650320	0.545	2.719
5/8/2011 5:25	651320	0.546	2.718
5/8/2011 5:42	652320	0.54	2.721
5/8/2011 5:58	653320	0.533	2.724
5/8/2011 6:15	654320	0.536	2.723
5/8/2011 6:32	655320	0.535	2.723
5/8/2011 6:48	656320	0.533	2.724
5/8/2011 7:05	657320	0.533	2.724
5/8/2011 7:22	658320	0.532	2.724
5/8/2011 7:38	659320	0.532	2.724
5/8/2011 7:55	660320	0.525	2.728
5/8/2011 8:12	661320	0.523	2.729
5/8/2011 10:58	671280	0.516	2.731
5/8/2011 13:44	681240	0.47	2.751
5/8/2011 16:30	691200	0.48	2.747
5/8/2011 19:16	701160	0.491	2.742
5/8/2011 22:02	711120	0.528	2.726
5/9/2011 0:48	721080	0.533	2.724
5/9/2011 3:34	731040	0.525	2.728

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5/9/2011 6:20	741000	0.536	2.723
5/9/2011 9:06	750960	0.568	2.709
5/9/2011 11:52	760920	0.582	2.703
5/9/2011 14:38	770880	0.577	2.705
5/9/2011 17:24	780840	0.728	2.64
5/9/2011 20:10	790800	0.984	2.529
5/9/2011 22:56	800760	1.047	2.501
5/10/2011 1:42	810720	1.046	2.502
5/10/2011 4:28	820680	1.064	2.494
5/10/2011 7:14	830640	1.125	2.468
5/10/2011 10:00	840600	1.178	2.445
5/10/2011 12:46	850560	1.081	2.487
5/10/2011 15:32	860520	1.119	2.47
5/10/2011 18:18	870480	1.142	2.46
5/10/2011 21:04	880440	1.166	2.45
5/10/2011 23:50	890400	1.193	2.438
5/11/2011 2:36	900360	1.191	2.439
5/11/2011 5:22	910320	1.205	2.433
5/11/2011 8:08	920280	1.241	2.417
5/11/2011 10:54	930240	1.205	2.433
5/11/2011 13:40	940200	0.913	2.56
5/11/2011 16:26	950160	0.74	2.634
5/11/2011 19:12	960120	0.775	2.619
5/11/2011 21:58	970080	0.758	2.627
5/12/2011 0:44	980040	0.738	2.635
5/12/2011 3:30	990000	0.73	2.639
5/12/2011 6:16	999960	0.735	2.637
5/12/2011 9:02	1009920	0.769	2.622
5/12/2011 11:48	1019880	0.766	2.623
5/12/2011 14:34	1029840	0.74	2.634

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Report Date:	5/16/2011 9:29
Report User Nam	jgadt
Report Computer	KS-FIELD2-LTP
Application:	WinSitu.exe
Application Versic	5.6.21.0

Log File Properties

File Name	MW3D_043011_FST_2011-05-12_17-41-57-359.wsl
Create Date	5/12/2011 17:41

Device Properties

Device	Level TROLL 700		
Site	MW-3D		
Device Name			
Serial Number	120084		
Firmware Version	2.08		
Hardware Version	2		
Device Address	1		
Device Comm Cfg	19200	8	Even
Used Memory	3		
Used Battery	34		

Log Configuration

	Log Name	MW3D_043011_FST
	Created By	jgadt
	Computer Name	KS-FIELD2-LTP
	Application	WinSitu.exe
	Application Version	5.6.21.0
	Create Date	4/30/2011 3:43:00 PM Central Daylight Time
	Log Setup Time Zone	Central Daylight Time
	Notes Size(bytes)	4096
	Overwrite when full	Disabled
	Scheduled Start Time	4/30/2011 4:30:00 PM Central Daylight Time
	Scheduled Stop Time	5/12/2011 4:30:00 PM Central Daylight Time
	Type	Step Test
Steps	9 (Linear)	
	Step	1
	Duration	Days: 2 hrs: 00 mins: 00 secs: 00
	Interval	Days: 0 hrs: 00 mins: 10 secs: 00
	Step	2
	Duration	Days: 0 hrs: 00 mins: 10 secs: 00
	Interval	Days: 0 hrs: 00 mins: 00 secs: 10
	Step	3
	Duration	Days: 0 hrs: 01 mins: 30 secs: 00
	Interval	Days: 0 hrs: 00 mins: 01 secs: 40
	Step	4

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Duration	Days: 0 hrs: 15 mins: 00 secs: 00
Interval	Days: 0 hrs: 00 mins: 16 secs: 40
Step	5
Duration	Days: 4 hrs: 07 mins: 20 secs: 00
Interval	Days: 0 hrs: 02 mins: 46 secs: 00
Step	6
Duration	Days: 0 hrs: 00 mins: 10 secs: 00
Interval	Days: 0 hrs: 00 mins: 00 secs: 10
Step	7
Duration	Days: 0 hrs: 01 mins: 30 secs: 00
Interval	Days: 0 hrs: 00 mins: 01 secs: 40
Step	8
Duration	Days: 0 hrs: 15 mins: 00 secs: 00
Interval	Days: 0 hrs: 00 mins: 16 secs: 40
Step	9
Duration	Days: 4 hrs: 07 mins: 20 secs: 00
Interval	Days: 0 hrs: 02 mins: 46 secs: 00

Level Reference Settings At Log Creation

Level Measurement Mode	Level Depth To Water
Specific Gravity	0.999
Level Reference Mode:	Set new reference
Level Reference Value:	0 (ft)
Level Reference Head Pressure	2.55933 (PSI)

Other Log Settings

Depth of Probe:	5.90736 (ft)
Head Pressure:	2.55844 (PSI)
Temperature:	12.5026 (C)

Log Notes:

Date and Time	Note
4/30/2011 15:43	Used Battery: 34% Used Memory: 4% User Name: jgadt

Log Data:

Record Count	699		
Sensors	1		
	1	120084	Pressure/Temp 15 PSIG (1

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Full System Test - MW-3D Data File

Time Zone: Central Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 120084 Level Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 120084 Pressure (PSI)
4/30/2011 16:30	0	-0.009	2.563
4/30/2011 16:40	600	0.018	2.551
4/30/2011 16:50	1200	0.007	2.556
4/30/2011 17:00	1800	-0.009	2.563
4/30/2011 17:10	2400	-0.018	2.567
4/30/2011 17:20	3000	-0.028	2.571
4/30/2011 17:30	3600	-0.018	2.567
4/30/2011 17:40	4200	-0.021	2.568
4/30/2011 17:50	4800	-0.029	2.572
4/30/2011 18:00	5400	-0.023	2.569
4/30/2011 18:10	6000	-0.023	2.569
4/30/2011 18:20	6600	-0.001	2.56
4/30/2011 18:30	7200	-0.009	2.563
4/30/2011 18:40	7800	-0.003	2.56
4/30/2011 18:50	8400	0.005	2.557
4/30/2011 19:00	9000	0.001	2.559
4/30/2011 19:10	9600	-0.001	2.56
4/30/2011 19:20	10200	0.007	2.556
4/30/2011 19:30	10800	0.013	2.554
4/30/2011 19:40	11400	0.01	2.555
4/30/2011 19:50	12000	0.016	2.552
4/30/2011 20:00	12600	0.024	2.549
4/30/2011 20:10	13200	0.028	2.547
4/30/2011 20:20	13800	0.027	2.548
4/30/2011 20:30	14400	0.037	2.543
4/30/2011 20:40	15000	0.045	2.54
4/30/2011 20:50	15600	0.047	2.539
4/30/2011 21:00	16200	0.047	2.539
4/30/2011 21:10	16800	0.057	2.535
4/30/2011 21:20	17400	0.062	2.533
4/30/2011 21:30	18000	0.057	2.535
4/30/2011 21:40	18600	0.069	2.529
4/30/2011 21:50	19200	0.073	2.528
4/30/2011 22:00	19800	0.082	2.524
4/30/2011 22:10	20400	0.077	2.526
4/30/2011 22:20	21000	0.088	2.521
4/30/2011 22:30	21600	0.085	2.522
4/30/2011 22:40	22200	0.096	2.518
4/30/2011 22:50	22800	0.094	2.519
4/30/2011 23:00	23400	0.095	2.518
4/30/2011 23:10	24000	0.088	2.521
4/30/2011 23:20	24600	0.096	2.518

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Date and Time	Elapsed Time Seconds	SN#: 120084 Level Depth To Water (ft)	SN#: 120084 Pressure (PSI)
4/30/2011 23:30	25200	0.093	2.519
4/30/2011 23:40	25800	0.103	2.515
4/30/2011 23:50	26400	0.102	2.515
5/1/2011 0:00	27000	0.105	2.514
5/1/2011 0:10	27600	0.095	2.518
5/1/2011 0:20	28200	0.107	2.513
5/1/2011 0:30	28800	0.107	2.513
5/1/2011 0:40	29400	0.106	2.513
5/1/2011 0:50	30000	0.1	2.516
5/1/2011 1:00	30600	0.108	2.513
5/1/2011 1:10	31200	0.111	2.511
5/1/2011 1:20	31800	0.109	2.512
5/1/2011 1:30	32400	0.104	2.514
5/1/2011 1:40	33000	0.103	2.515
5/1/2011 1:50	33600	0.1	2.516
5/1/2011 2:00	34200	0.099	2.516
5/1/2011 2:10	34800	0.098	2.517
5/1/2011 2:20	35400	0.099	2.517
5/1/2011 2:30	36000	0.09	2.521
5/1/2011 2:40	36600	0.088	2.521
5/1/2011 2:50	37200	0.081	2.524
5/1/2011 3:00	37800	0.074	2.527
5/1/2011 3:10	38400	0.07	2.529
5/1/2011 3:20	39000	0.072	2.528
5/1/2011 3:30	39600	0.069	2.529
5/1/2011 3:40	40200	0.07	2.529
5/1/2011 3:50	40800	0.066	2.531
5/1/2011 4:00	41400	0.064	2.532
5/1/2011 4:10	42000	0.059	2.534
5/1/2011 4:20	42600	0.058	2.534
5/1/2011 4:30	43200	0.055	2.535
5/1/2011 4:40	43800	0.053	2.536
5/1/2011 4:50	44400	0.05	2.538
5/1/2011 5:00	45000	0.047	2.539
5/1/2011 5:10	45600	0.043	2.541
5/1/2011 5:20	46200	0.048	2.539
5/1/2011 5:30	46800	0.049	2.538
5/1/2011 5:40	47400	0.052	2.537
5/1/2011 5:50	48000	0.049	2.538
5/1/2011 6:00	48600	0.049	2.538
5/1/2011 6:10	49200	0.051	2.537
5/1/2011 6:20	49800	0.055	2.536
5/1/2011 6:30	50400	0.055	2.536
5/1/2011 6:40	51000	0.057	2.534
5/1/2011 6:50	51600	0.06	2.533

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Date and Time	Elapsed Time Seconds	SN#: 120084 Level Depth To Water (ft)	SN#: 120084 Pressure (PSI)
5/1/2011 7:00	52200	0.062	2.533
5/1/2011 7:10	52800	0.063	2.532
5/1/2011 7:20	53400	0.066	2.531
5/1/2011 7:30	54000	0.067	2.53
5/1/2011 7:40	54600	0.063	2.532
5/1/2011 7:50	55200	0.066	2.531
5/1/2011 8:00	55800	0.068	2.53
5/1/2011 8:10	56400	0.059	2.534
5/1/2011 8:20	57000	0.064	2.532
5/1/2011 8:30	57600	0.061	2.533
5/1/2011 8:40	58200	0.059	2.534
5/1/2011 8:50	58800	0.061	2.533
5/1/2011 9:00	59400	0.053	2.536
5/1/2011 9:10	60000	0.056	2.535
5/1/2011 9:20	60600	0.06	2.533
5/1/2011 9:30	61200	0.056	2.535
5/1/2011 9:40	61800	0.058	2.534
5/1/2011 9:50	62400	0.059	2.534
5/1/2011 10:00	63000	0.06	2.533
5/1/2011 10:10	63600	0.054	2.536
5/1/2011 10:20	64200	0.059	2.534
5/1/2011 10:30	64800	0.065	2.531
5/1/2011 10:40	65400	0.062	2.532
5/1/2011 10:50	66000	0.065	2.531
5/1/2011 11:00	66600	0.067	2.53
5/1/2011 11:10	67200	0.077	2.526
5/1/2011 11:20	67800	0.078	2.525
5/1/2011 11:30	68400	0.078	2.525
5/1/2011 11:40	69000	0.079	2.525
5/1/2011 11:50	69600	0.083	2.523
5/1/2011 12:00	70200	0.08	2.525
5/1/2011 12:10	70800	0.073	2.528
5/1/2011 12:20	71400	0.078	2.526
5/1/2011 12:30	72000	0.075	2.527
5/1/2011 12:40	72600	0.073	2.528
5/1/2011 12:50	73200	0.073	2.528
5/1/2011 13:00	73800	0.075	2.527
5/1/2011 13:10	74400	0.074	2.527
5/1/2011 13:20	75000	0.07	2.529
5/1/2011 13:30	75600	0.068	2.53
5/1/2011 13:40	76200	0.065	2.531
5/1/2011 13:50	76800	0.068	2.53
5/1/2011 14:00	77400	0.073	2.528
5/1/2011 14:10	78000	0.068	2.53
5/1/2011 14:20	78600	0.068	2.53

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Date and Time	Elapsed Time Seconds	SN#: 120084 Level Depth To Water (ft)	SN#: 120084 Pressure (PSI)
5/1/2011 14:30	79200	0.067	2.53
5/1/2011 14:40	79800	0.066	2.531
5/1/2011 14:50	80400	0.063	2.532
5/1/2011 15:00	81000	0.067	2.53
5/1/2011 15:10	81600	0.065	2.531
5/1/2011 15:20	82200	0.061	2.533
5/1/2011 15:30	82800	0.059	2.534
5/1/2011 15:40	83400	0.053	2.536
5/1/2011 15:50	84000	0.055	2.535
5/1/2011 16:00	84600	0.047	2.539
5/1/2011 16:10	85200	0.05	2.538
5/1/2011 16:20	85800	0.046	2.539
5/1/2011 16:30	86400	0.044	2.54
5/1/2011 16:40	87000	0.038	2.543
5/1/2011 16:50	87600	0.04	2.542
5/1/2011 17:00	88200	0.036	2.544
5/1/2011 17:10	88800	0.035	2.544
5/1/2011 17:20	89400	0.029	2.547
5/1/2011 17:30	90000	0.031	2.546
5/1/2011 17:40	90600	0.031	2.546
5/1/2011 17:50	91200	0.033	2.545
5/1/2011 18:00	91800	0.024	2.549
5/1/2011 18:10	92400	0.029	2.547
5/1/2011 18:20	93000	0.034	2.545
5/1/2011 18:30	93600	0.032	2.546
5/1/2011 18:40	94200	0.029	2.547
5/1/2011 18:50	94800	0.032	2.545
5/1/2011 19:00	95400	0.032	2.545
5/1/2011 19:10	96000	0.035	2.544
5/1/2011 19:20	96600	0.029	2.547
5/1/2011 19:30	97200	0.033	2.545
5/1/2011 19:40	97800	0.034	2.545
5/1/2011 19:50	98400	0.042	2.541
5/1/2011 20:00	99000	0.04	2.542
5/1/2011 20:10	99600	0.043	2.541
5/1/2011 20:20	100200	0.044	2.54
5/1/2011 20:30	100800	0.046	2.539
5/1/2011 20:40	101400	0.05	2.538
5/1/2011 20:50	102000	0.053	2.536
5/1/2011 21:00	102600	0.048	2.538
5/1/2011 21:10	103200	0.05	2.538
5/1/2011 21:20	103800	0.055	2.535
5/1/2011 21:30	104400	0.058	2.534
5/1/2011 21:40	105000	0.062	2.532
5/1/2011 21:50	105600	0.067	2.53

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5/1/2011 22:00	106200	0.068	2.53
5/1/2011 22:10	106800	0.072	2.528
5/1/2011 22:20	107400	0.075	2.527
5/1/2011 22:30	108000	0.078	2.526
5/1/2011 22:40	108600	0.079	2.525
5/1/2011 22:50	109200	0.081	2.524
5/1/2011 23:00	109800	0.08	2.525
5/1/2011 23:10	110400	0.086	2.522
5/1/2011 23:20	111000	0.084	2.523
5/1/2011 23:30	111600	0.086	2.522
5/1/2011 23:40	112200	0.086	2.522
5/1/2011 23:50	112800	0.088	2.521
5/2/2011 0:00	113400	0.088	2.521
5/2/2011 0:10	114000	0.089	2.521
5/2/2011 0:20	114600	0.089	2.521
5/2/2011 0:30	115200	0.091	2.52
5/2/2011 0:40	115800	0.093	2.519
5/2/2011 0:50	116400	0.094	2.519
5/2/2011 1:00	117000	0.093	2.519
5/2/2011 1:10	117600	0.092	2.519
5/2/2011 1:20	118200	0.091	2.52
5/2/2011 1:30	118800	0.089	2.521
5/2/2011 1:40	119400	0.089	2.521
5/2/2011 1:50	120000	0.084	2.523
5/2/2011 2:00	120600	0.082	2.524
5/2/2011 2:10	121200	0.078	2.525
5/2/2011 2:20	121800	0.071	2.528
5/2/2011 2:30	122400	0.07	2.529
5/2/2011 2:40	123000	0.065	2.531
5/2/2011 2:50	123600	0.061	2.533
5/2/2011 3:00	124200	0.058	2.534
5/2/2011 3:10	124800	0.055	2.536
5/2/2011 3:20	125400	0.053	2.536
5/2/2011 3:30	126000	0.051	2.537
5/2/2011 3:40	126600	0.055	2.535
5/2/2011 3:50	127200	0.055	2.536
5/2/2011 4:00	127800	0.057	2.535
5/2/2011 4:10	128400	0.055	2.535
5/2/2011 4:20	129000	0.055	2.535
5/2/2011 4:30	129600	0.058	2.534
5/2/2011 4:40	130200	0.059	2.534
5/2/2011 4:50	130800	0.062	2.533
5/2/2011 5:00	131400	0.059	2.534
5/2/2011 5:10	132000	0.057	2.534
5/2/2011 5:20	132600	0.059	2.534

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Date and Time	Elapsed Time Seconds	SN#: 120084 Level Depth To Water (ft)	SN#: 120084 Pressure (PSI)
5/2/2011 5:30	133200	0.061	2.533
5/2/2011 5:40	133800	0.06	2.533
5/2/2011 5:50	134400	0.059	2.534
5/2/2011 6:00	135000	0.058	2.534
5/2/2011 6:10	135600	0.064	2.532
5/2/2011 6:20	136200	0.056	2.535
5/2/2011 6:30	136800	0.054	2.536
5/2/2011 6:40	137400	0.058	2.534
5/2/2011 6:50	138000	0.054	2.536
5/2/2011 7:00	138600	0.059	2.534
5/2/2011 7:10	139200	0.062	2.532
5/2/2011 7:20	139800	0.066	2.531
5/2/2011 7:30	140400	0.071	2.529
5/2/2011 7:40	141000	0.077	2.526
5/2/2011 7:50	141600	0.082	2.524
5/2/2011 8:00	142200	0.085	2.522
5/2/2011 8:10	142800	0.089	2.521
5/2/2011 8:20	143400	0.093	2.519
5/2/2011 8:30	144000	0.097	2.517
5/2/2011 8:40	144600	0.104	2.514
5/2/2011 8:50	145200	0.112	2.511
5/2/2011 9:00	145800	0.113	2.51
5/2/2011 9:10	146400	0.121	2.507
5/2/2011 9:20	147000	0.126	2.505
5/2/2011 9:30	147600	0.129	2.504
5/2/2011 9:40	148200	0.133	2.502
5/2/2011 9:50	148800	0.138	2.499
5/2/2011 10:00	149400	0.135	2.501
5/2/2011 10:10	150000	0.138	2.5
5/2/2011 10:20	150600	0.142	2.498
5/2/2011 10:30	151200	0.139	2.499
5/2/2011 10:40	151800	0.14	2.499
5/2/2011 10:50	152400	0.143	2.498
5/2/2011 11:00	153000	0.142	2.498
5/2/2011 11:10	153600	0.139	2.499
5/2/2011 11:20	154200	0.14	2.499
5/2/2011 11:30	154800	0.14	2.499
5/2/2011 11:40	155400	0.138	2.5
5/2/2011 11:50	156000	0.137	2.5
5/2/2011 12:00	156600	0.139	2.499
5/2/2011 12:10	157200	0.138	2.5
5/2/2011 12:20	157800	0.13	2.503
5/2/2011 12:30	158400	0.13	2.503
5/2/2011 12:40	159000	0.129	2.504
5/2/2011 12:50	159600	0.125	2.505

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Date and Time	Elapsed Time Seconds	SN#: 120084 Level Depth To Water (ft)	SN#: 120084 Pressure (PSI)
5/2/2011 13:00	160200	0.126	2.505
5/2/2011 13:10	160800	0.121	2.507
5/2/2011 13:20	161400	0.12	2.508
5/2/2011 13:30	162000	0.114	2.51
5/2/2011 13:40	162600	0.115	2.51
5/2/2011 13:50	163200	0.109	2.512
5/2/2011 14:00	163800	0.105	2.514
5/2/2011 14:10	164400	0.105	2.514
5/2/2011 14:20	165000	0.1	2.516
5/2/2011 14:30	165600	0.104	2.514
5/2/2011 14:40	166200	0.093	2.519
5/2/2011 14:50	166800	0.088	2.521
5/2/2011 15:00	167400	0.086	2.522
5/2/2011 15:10	168000	0.085	2.523
5/2/2011 15:20	168600	0.081	2.524
5/2/2011 15:30	169200	0.077	2.526
5/2/2011 15:40	169800	0.07	2.529
5/2/2011 15:50	170400	0.065	2.531
5/2/2011 16:00	171000	0.059	2.534
5/2/2011 16:10	171600	0.061	2.533
5/2/2011 16:20	172200	0.061	2.533
5/2/2011 16:30	172800	0.058	2.534
5/2/2011 16:30	172810	0.058	2.534
5/2/2011 16:30	172820	0.058	2.534
5/2/2011 16:30	172830	0.058	2.534
5/2/2011 16:30	172840	0.058	2.534
5/2/2011 16:30	172850	0.057	2.535
5/2/2011 16:31	172860	0.057	2.535
5/2/2011 16:31	172870	0.057	2.535
5/2/2011 16:31	172880	0.058	2.534
5/2/2011 16:31	172890	0.057	2.534
5/2/2011 16:31	172900	0.058	2.534
5/2/2011 16:31	172910	0.056	2.535
5/2/2011 16:32	172920	0.057	2.535
5/2/2011 16:32	172930	0.055	2.536
5/2/2011 16:32	172940	0.054	2.536
5/2/2011 16:32	172950	0.053	2.536
5/2/2011 16:32	172960	0.053	2.537
5/2/2011 16:32	172970	0.051	2.537
5/2/2011 16:33	172980	0.051	2.537
5/2/2011 16:33	172990	0.051	2.537
5/2/2011 16:33	173000	0.048	2.538
5/2/2011 16:33	173010	0.047	2.539
5/2/2011 16:33	173020	0.045	2.54
5/2/2011 16:33	173030	0.044	2.54

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5/2/2011 16:34	173040	0.043	2.541
5/2/2011 16:34	173050	0.042	2.541
5/2/2011 16:34	173060	0.04	2.542
5/2/2011 16:34	173070	0.039	2.542
5/2/2011 16:34	173080	0.039	2.543
5/2/2011 16:34	173090	0.037	2.543
5/2/2011 16:35	173100	0.037	2.543
5/2/2011 16:35	173110	0.035	2.544
5/2/2011 16:35	173120	0.034	2.544
5/2/2011 16:35	173130	0.033	2.545
5/2/2011 16:35	173140	0.031	2.546
5/2/2011 16:35	173150	0.031	2.546
5/2/2011 16:36	173160	0.031	2.546
5/2/2011 16:36	173170	0.03	2.546
5/2/2011 16:36	173180	0.028	2.547
5/2/2011 16:36	173190	0.028	2.547
5/2/2011 16:36	173200	0.026	2.548
5/2/2011 16:36	173210	0.025	2.548
5/2/2011 16:37	173220	0.024	2.549
5/2/2011 16:37	173230	0.023	2.549
5/2/2011 16:37	173240	0.023	2.549
5/2/2011 16:37	173250	0.022	2.55
5/2/2011 16:37	173260	0.021	2.55
5/2/2011 16:37	173270	0.019	2.551
5/2/2011 16:38	173280	0.02	2.551
5/2/2011 16:38	173290	0.019	2.551
5/2/2011 16:38	173300	0.019	2.551
5/2/2011 16:38	173310	0.017	2.552
5/2/2011 16:38	173320	0.017	2.552
5/2/2011 16:38	173330	0.016	2.552
5/2/2011 16:39	173340	0.016	2.552
5/2/2011 16:39	173350	0.017	2.552
5/2/2011 16:39	173360	0.015	2.553
5/2/2011 16:39	173370	0.014	2.553
5/2/2011 16:39	173380	0.016	2.552
5/2/2011 16:39	173390	0.016	2.552
5/2/2011 16:40	173400	0.017	2.552
5/2/2011 16:41	173500	0.011	2.554
5/2/2011 16:43	173600	0.012	2.554
5/2/2011 16:45	173700	0.01	2.555
5/2/2011 16:46	173800	0.016	2.553
5/2/2011 16:48	173900	0.019	2.551
5/2/2011 16:50	174000	0.024	2.549
5/2/2011 16:51	174100	0.025	2.548
5/2/2011 16:53	174200	0.029	2.547

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5/2/2011 16:55	174300	0.032	2.546
5/2/2011 16:56	174400	0.035	2.544
5/2/2011 16:58	174500	0.036	2.544
5/2/2011 17:00	174600	0.04	2.542
5/2/2011 17:01	174700	0.046	2.54
5/2/2011 17:03	174800	0.046	2.54
5/2/2011 17:05	174900	0.047	2.539
5/2/2011 17:06	175000	0.047	2.539
5/2/2011 17:08	175100	0.047	2.539
5/2/2011 17:10	175200	0.051	2.537
5/2/2011 17:11	175300	0.051	2.537
5/2/2011 17:13	175400	0.053	2.536
5/2/2011 17:15	175500	0.052	2.537
5/2/2011 17:16	175600	0.055	2.536
5/2/2011 17:18	175700	0.054	2.536
5/2/2011 17:20	175800	0.056	2.535
5/2/2011 17:21	175900	0.058	2.534
5/2/2011 17:23	176000	0.056	2.535
5/2/2011 17:25	176100	0.059	2.534
5/2/2011 17:26	176200	0.057	2.535
5/2/2011 17:28	176300	0.059	2.534
5/2/2011 17:30	176400	0.061	2.533
5/2/2011 17:31	176500	0.06	2.533
5/2/2011 17:33	176600	0.06	2.533
5/2/2011 17:35	176700	0.059	2.534
5/2/2011 17:36	176800	0.058	2.534
5/2/2011 17:38	176900	0.06	2.533
5/2/2011 17:40	177000	0.063	2.532
5/2/2011 17:41	177100	0.062	2.532
5/2/2011 17:43	177200	0.061	2.533
5/2/2011 17:45	177300	0.062	2.533
5/2/2011 17:46	177400	0.058	2.534
5/2/2011 17:48	177500	0.062	2.533
5/2/2011 17:50	177600	0.062	2.533
5/2/2011 17:51	177700	0.062	2.533
5/2/2011 17:53	177800	0.062	2.532
5/2/2011 17:55	177900	0.061	2.533
5/2/2011 17:56	178000	0.062	2.533
5/2/2011 17:58	178100	0.06	2.533
5/2/2011 18:00	178200	0.062	2.533
5/2/2011 18:01	178300	0.06	2.533
5/2/2011 18:03	178400	0.06	2.533
5/2/2011 18:05	178500	0.06	2.533
5/2/2011 18:06	178600	0.059	2.534
5/2/2011 18:08	178700	0.06	2.533

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5/2/2011 18:10	178800	0.059	2.534
5/2/2011 18:26	179800	0.058	2.534
5/2/2011 18:43	180800	0.059	2.534
5/2/2011 19:00	181800	0.058	2.534
5/2/2011 19:16	182800	0.056	2.535
5/2/2011 19:33	183800	0.056	2.535
5/2/2011 19:50	184800	0.055	2.535
5/2/2011 20:06	185800	0.056	2.535
5/2/2011 20:23	186800	0.057	2.535
5/2/2011 20:40	187800	0.057	2.535
5/2/2011 20:56	188800	0.065	2.531
5/2/2011 21:13	189800	0.068	2.53
5/2/2011 21:30	190800	0.071	2.529
5/2/2011 21:46	191800	0.074	2.527
5/2/2011 22:03	192800	0.078	2.526
5/2/2011 22:20	193800	0.081	2.524
5/2/2011 22:36	194800	0.081	2.524
5/2/2011 22:53	195800	0.084	2.523
5/2/2011 23:10	196800	0.084	2.523
5/2/2011 23:26	197800	0.083	2.523
5/2/2011 23:43	198800	0.082	2.524
5/3/2011 0:00	199800	0.079	2.525
5/3/2011 0:16	200800	0.077	2.526
5/3/2011 0:33	201800	0.072	2.528
5/3/2011 0:50	202800	0.067	2.53
5/3/2011 1:06	203800	0.064	2.531
5/3/2011 1:23	204800	0.062	2.533
5/3/2011 1:40	205800	0.059	2.534
5/3/2011 1:56	206800	0.056	2.535
5/3/2011 2:13	207800	0.047	2.539
5/3/2011 2:30	208800	0.045	2.54
5/3/2011 2:46	209800	0.044	2.54
5/3/2011 3:03	210800	0.044	2.54
5/3/2011 3:20	211800	0.046	2.539
5/3/2011 3:36	212800	0.048	2.539
5/3/2011 3:53	213800	0.049	2.538
5/3/2011 4:10	214800	0.05	2.537
5/3/2011 4:26	215800	0.053	2.536
5/3/2011 4:43	216800	0.053	2.536
5/3/2011 5:00	217800	0.052	2.537
5/3/2011 5:16	218800	0.052	2.537
5/3/2011 5:33	219800	0.055	2.535
5/3/2011 5:50	220800	0.053	2.536
5/3/2011 6:06	221800	0.053	2.536
5/3/2011 6:23	222800	0.053	2.536

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Date and Time	Elapsed Time Seconds	SN#: 120084 Level Depth To Water (ft)	SN#: 120084 Pressure (PSI)
5/3/2011 6:40	223800	0.056	2.535
5/3/2011 6:56	224800	0.059	2.534
5/3/2011 7:13	225800	0.062	2.533
5/3/2011 7:30	226800	0.064	2.532
5/3/2011 7:46	227800	0.069	2.529
5/3/2011 8:03	228800	0.072	2.528
5/3/2011 8:20	229800	0.077	2.526
5/3/2011 8:36	230800	0.076	2.527
5/3/2011 8:53	231800	0.075	2.527
5/3/2011 9:10	232800	0.08	2.525
5/3/2011 11:56	242760	0.07	2.529
5/3/2011 14:42	252720	0.027	2.547
5/3/2011 17:28	262680	-0.005	2.562
5/3/2011 20:14	272640	-0.004	2.561
5/3/2011 23:00	282600	0.026	2.548
5/4/2011 1:46	292560	0.042	2.541
5/4/2011 4:32	302520	0.018	2.552
5/4/2011 7:18	312480	0.006	2.557
5/4/2011 10:04	322440	0	2.559
5/4/2011 12:50	332400	-0.023	2.569
5/4/2011 15:36	342360	-0.07	2.59
5/4/2011 18:22	352320	-0.042	2.577
5/4/2011 21:08	362280	0.038	2.543
5/4/2011 23:54	372240	0.113	2.51
5/5/2011 2:40	382200	0.109	2.512
5/5/2011 5:26	392160	0.078	2.526
5/5/2011 8:12	402120	0.072	2.528
5/5/2011 10:58	412080	0.072	2.528
5/5/2011 13:44	422040	0.037	2.543
5/5/2011 16:30	432000	0.001	2.559
5/5/2011 19:16	441960	-0.027	2.571
5/5/2011 22:02	451920	-0.017	2.567
5/6/2011 0:48	461880	-0.016	2.566
5/6/2011 3:34	471840	-0.046	2.579
5/6/2011 6:20	481800	-0.074	2.591
5/6/2011 9:06	491760	-0.089	2.598
5/6/2011 11:52	501720	-0.11	2.607
5/6/2011 14:38	511680	-0.135	2.618
5/6/2011 17:24	521640	-0.12	2.611
5/6/2011 20:10	531600	-0.054	2.583
5/6/2011 22:56	541560	0.009	2.555
5/7/2011 1:42	551520	-0.01	2.564
5/7/2011 4:28	561480	0.026	2.548
5/7/2011 7:14	571440	0.031	2.546
5/7/2011 10:00	581400	0.065	2.531

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Date and Time	Elapsed Time Seconds	SN#: 120084 Level Depth To Water (ft)	SN#: 120084 Pressure (PSI)
5/7/2011 12:46	591360	0.05	2.538
5/7/2011 15:32	601320	0.008	2.556
5/7/2011 15:32	601330	0.009	2.556
5/7/2011 15:32	601340	0.009	2.555
5/7/2011 15:32	601350	0.01	2.555
5/7/2011 15:32	601360	0.008	2.556
5/7/2011 15:32	601370	0.008	2.556
5/7/2011 15:33	601380	0.008	2.556
5/7/2011 15:33	601390	0.009	2.556
5/7/2011 15:33	601400	0.008	2.556
5/7/2011 15:33	601410	0.012	2.554
5/7/2011 15:33	601420	0.009	2.555
5/7/2011 15:33	601430	0.01	2.555
5/7/2011 15:34	601440	0.01	2.555
5/7/2011 15:34	601450	0.01	2.555
5/7/2011 15:34	601460	0.009	2.555
5/7/2011 15:34	601470	0.011	2.554
5/7/2011 15:34	601480	0.01	2.555
5/7/2011 15:34	601490	0.009	2.555
5/7/2011 15:35	601500	0.011	2.555
5/7/2011 15:35	601510	0.009	2.555
5/7/2011 15:35	601520	0.009	2.555
5/7/2011 15:35	601530	0.009	2.556
5/7/2011 15:35	601540	0.008	2.556
5/7/2011 15:35	601550	0.011	2.554
5/7/2011 15:36	601560	0.011	2.555
5/7/2011 15:36	601570	0.008	2.556
5/7/2011 15:36	601580	0.007	2.556
5/7/2011 15:36	601590	0.009	2.555
5/7/2011 15:36	601600	0.006	2.557
5/7/2011 15:36	601610	0.007	2.556
5/7/2011 15:37	601620	0.006	2.557
5/7/2011 15:37	601630	0.006	2.557
5/7/2011 15:37	601640	0.007	2.556
5/7/2011 15:37	601650	0.006	2.557
5/7/2011 15:37	601660	0.007	2.557
5/7/2011 15:37	601670	0.006	2.557
5/7/2011 15:38	601680	0.006	2.557
5/7/2011 15:38	601690	0.005	2.557
5/7/2011 15:38	601700	0.004	2.558
5/7/2011 15:38	601710	0.006	2.557
5/7/2011 15:38	601720	0.006	2.557
5/7/2011 15:38	601730	0.007	2.556
5/7/2011 15:39	601740	0.006	2.557
5/7/2011 15:39	601750	0.005	2.557

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Date and Time	Elapsed Time Seconds	SN#: 120084 Level Depth To Water (ft)	SN#: 120084 Pressure (PSI)
5/7/2011 15:39	601760	0.004	2.558
5/7/2011 15:39	601770	0.005	2.557
5/7/2011 15:39	601780	0.003	2.558
5/7/2011 15:39	601790	0.003	2.558
5/7/2011 15:40	601800	0.005	2.557
5/7/2011 15:40	601810	0.004	2.558
5/7/2011 15:40	601820	0.001	2.559
5/7/2011 15:40	601830	0.002	2.558
5/7/2011 15:40	601840	0.003	2.558
5/7/2011 15:40	601850	0.005	2.557
5/7/2011 15:41	601860	0.003	2.558
5/7/2011 15:41	601870	0.003	2.558
5/7/2011 15:41	601880	0.004	2.558
5/7/2011 15:41	601890	0	2.559
5/7/2011 15:41	601900	0.001	2.559
5/7/2011 15:41	601910	-0.001	2.56
5/7/2011 15:42	601920	0.003	2.558
5/7/2011 15:43	602020	0.002	2.559
5/7/2011 15:45	602120	0.003	2.558
5/7/2011 15:47	602220	0.003	2.558
5/7/2011 15:48	602320	0.005	2.557
5/7/2011 15:50	602420	0.002	2.558
5/7/2011 15:52	602520	0.004	2.558
5/7/2011 15:53	602620	0.003	2.558
5/7/2011 15:55	602720	0.001	2.559
5/7/2011 15:57	602820	-0.001	2.56
5/7/2011 15:58	602920	-0.002	2.56
5/7/2011 16:00	603020	-0.002	2.56
5/7/2011 16:02	603120	-0.001	2.56
5/7/2011 16:03	603220	0	2.559
5/7/2011 16:05	603320	-0.003	2.561
5/7/2011 16:07	603420	-0.004	2.561
5/7/2011 16:08	603520	-0.004	2.561
5/7/2011 16:10	603620	-0.006	2.562
5/7/2011 16:12	603720	-0.003	2.561
5/7/2011 16:13	603820	-0.003	2.56
5/7/2011 16:15	603920	-0.004	2.561
5/7/2011 16:17	604020	-0.003	2.561
5/7/2011 16:18	604120	-0.003	2.561
5/7/2011 16:20	604220	-0.004	2.561
5/7/2011 16:22	604320	-0.007	2.562
5/7/2011 16:23	604420	-0.006	2.562
5/7/2011 16:25	604520	-0.008	2.563
5/7/2011 16:27	604620	-0.009	2.563
5/7/2011 16:28	604720	-0.01	2.563

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Date and Time	Elapsed Time Seconds	SN#: 120084 Level Depth To Water (ft)	SN#: 120084 Pressure (PSI)
5/7/2011 16:30	604820	-0.009	2.563
5/7/2011 16:32	604920	-0.009	2.563
5/7/2011 16:33	605020	-0.011	2.564
5/7/2011 16:35	605120	0.004	2.558
5/7/2011 16:37	605220	0.022	2.55
5/7/2011 16:38	605320	0.031	2.546
5/7/2011 16:40	605420	0.025	2.548
5/7/2011 16:42	605520	0.027	2.548
5/7/2011 16:43	605620	0.031	2.546
5/7/2011 16:45	605720	0.032	2.545
5/7/2011 16:47	605820	0.028	2.547
5/7/2011 16:48	605920	0.027	2.548
5/7/2011 16:50	606020	0.02	2.551
5/7/2011 16:52	606120	0.01	2.555
5/7/2011 16:53	606220	0.008	2.556
5/7/2011 16:55	606320	0.008	2.556
5/7/2011 16:57	606420	0.005	2.557
5/7/2011 16:58	606520	0.001	2.559
5/7/2011 17:00	606620	-0.002	2.56
5/7/2011 17:02	606720	-0.012	2.565
5/7/2011 17:03	606820	-0.017	2.567
5/7/2011 17:05	606920	-0.015	2.566
5/7/2011 17:07	607020	-0.012	2.564
5/7/2011 17:08	607120	-0.016	2.566
5/7/2011 17:10	607220	-0.018	2.567
5/7/2011 17:12	607320	-0.017	2.567
5/7/2011 17:28	608320	-0.04	2.577
5/7/2011 17:45	609320	-0.045	2.579
5/7/2011 18:02	610320	-0.047	2.58
5/7/2011 18:18	611320	-0.048	2.58
5/7/2011 18:35	612320	-0.047	2.58
5/7/2011 18:52	613320	-0.043	2.578
5/7/2011 19:08	614320	-0.046	2.579
5/7/2011 19:25	615320	-0.046	2.579
5/7/2011 19:42	616320	-0.044	2.578
5/7/2011 19:58	617320	-0.042	2.578
5/7/2011 20:15	618320	-0.049	2.58
5/7/2011 20:32	619320	-0.042	2.577
5/7/2011 20:48	620320	-0.044	2.578
5/7/2011 21:05	621320	-0.043	2.578
5/7/2011 21:22	622320	-0.04	2.577
5/7/2011 21:38	623320	-0.038	2.576
5/7/2011 21:55	624320	-0.037	2.575
5/7/2011 22:12	625320	-0.036	2.575
5/7/2011 22:28	626320	-0.034	2.574

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Date and Time	Elapsed Time Seconds	SN#: 120084 Level Depth To Water (ft)	SN#: 120084 Pressure (PSI)
5/7/2011 22:45	627320	-0.035	2.575
5/7/2011 23:02	628320	-0.039	2.576
5/7/2011 23:18	629320	-0.039	2.576
5/7/2011 23:35	630320	-0.042	2.578
5/7/2011 23:52	631320	-0.044	2.578
5/8/2011 0:08	632320	-0.042	2.578
5/8/2011 0:25	633320	-0.046	2.579
5/8/2011 0:42	634320	-0.047	2.58
5/8/2011 0:58	635320	-0.04	2.577
5/8/2011 1:15	636320	-0.044	2.578
5/8/2011 1:32	637320	-0.045	2.579
5/8/2011 1:48	638320	-0.049	2.58
5/8/2011 2:05	639320	-0.049	2.58
5/8/2011 2:22	640320	-0.047	2.58
5/8/2011 2:38	641320	-0.056	2.583
5/8/2011 2:55	642320	-0.055	2.583
5/8/2011 3:12	643320	-0.058	2.584
5/8/2011 3:28	644320	-0.063	2.586
5/8/2011 3:45	645320	-0.062	2.586
5/8/2011 4:02	646320	-0.06	2.585
5/8/2011 4:18	647320	-0.057	2.584
5/8/2011 4:35	648320	-0.057	2.584
5/8/2011 4:52	649320	-0.056	2.584
5/8/2011 5:08	650320	-0.051	2.582
5/8/2011 5:25	651320	-0.049	2.581
5/8/2011 5:42	652320	-0.06	2.585
5/8/2011 5:58	653320	-0.059	2.585
5/8/2011 6:15	654320	-0.063	2.586
5/8/2011 6:32	655320	-0.063	2.587
5/8/2011 6:48	656320	-0.066	2.588
5/8/2011 7:05	657320	-0.066	2.588
5/8/2011 7:22	658320	-0.066	2.588
5/8/2011 7:38	659320	-0.07	2.59
5/8/2011 7:55	660320	-0.075	2.592
5/8/2011 8:12	661320	-0.082	2.595
5/8/2011 10:58	671280	-0.101	2.603
5/8/2011 13:44	681240	-0.134	2.617
5/8/2011 16:30	691200	-0.14	2.62
5/8/2011 19:16	701160	-0.141	2.62
5/8/2011 22:02	711120	-0.103	2.604
5/9/2011 0:48	721080	-0.097	2.601
5/9/2011 3:34	731040	-0.106	2.605
5/9/2011 6:20	741000	-0.099	2.602
5/9/2011 9:06	750960	-0.071	2.59
5/9/2011 11:52	760920	-0.042	2.578

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Date and Time	Elapsed Time Seconds	SN#: 120084 Level Depth To Water (ft)	SN#: 120084 Pressure (PSI)
5/9/2011 14:38	770880	-0.05	2.581
5/9/2011 17:24	780840	0.251	2.45
5/9/2011 20:10	790800	0.554	2.32
5/9/2011 22:56	800760	0.623	2.29
5/10/2011 1:42	810720	0.618	2.291
5/10/2011 4:28	820680	0.634	2.285
5/10/2011 7:14	830640	0.706	2.253
5/10/2011 10:00	840600	0.774	2.224
5/10/2011 12:46	850560	0.642	2.281
5/10/2011 15:32	860520	0.709	2.252
5/10/2011 18:18	870480	0.734	2.241
5/10/2011 21:04	880440	0.749	2.235
5/10/2011 23:50	890400	0.782	2.221
5/11/2011 2:36	900360	0.781	2.221
5/11/2011 5:22	910320	0.799	2.213
5/11/2011 8:08	920280	0.831	2.199
5/11/2011 10:54	930240	0.78	2.222
5/11/2011 13:40	940200	0.318	2.422
5/11/2011 16:26	950160	0.09	2.52
5/11/2011 19:12	960120	0.12	2.507
5/11/2011 21:58	970080	0.097	2.517
5/12/2011 0:44	980040	0.073	2.528
5/12/2011 3:30	990000	0.053	2.536
5/12/2011 6:16	999960	0.055	2.535
5/12/2011 9:02	1009920	0.088	2.521
5/12/2011 11:48	1019880	0.085	2.522
5/12/2011 14:34	1029840	0.056	2.535

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1 (Modbus-RTU)

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1m/35ft)

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Report Date:	5/16/2011 9:30
Report User Nam	jgadt
Report Computer	KS-FIELD2-LTP
Application:	WinSitu.exe
Application Versi	5.6.21.0

Log File Properties

File Name	MW5A_043011_FST_2011-05-13_12-27-22-062.wsl
Create Date	5/13/2011 12:27

Device Properties

Device	Level TROLL 700				
Site	MW-5A				
Device Name					
Serial Number		151697			
Firmware Version		2.08			
Hardware Versior		3			
Device Address		1			
Device Comm Cfg		19200	8	Even	1
Used Memory		1			
Used Battery		11			

Log Configuration

	Log Name	MW5A_043011_FST
	Created By	jgadt
	Computer Name	KS-FIELD2-LTP
	Application	WinSitu.exe
	Application Version	5.6.21.0
	Create Date	4/30/2011 3:59:28 PM Central Daylight Time
	Log Setup Time Zone	Central Daylight Time
	Notes Size(bytes)	4096
	Overwrite when full	Disabled
	Scheduled Start Time	4/30/2011 4:30:00 PM Central Daylight Time
	Scheduled Stop Time	5/12/2011 4:30:00 PM Central Daylight Time
	Type	Step Test
Steps	9 (Linear)	
	Step	1
	Duration	Days: 2 hrs: 00 mins: 00 secs: 00
	Interval	Days: 0 hrs: 00 mins: 10 secs: 00
	Step	2
	Duration	Days: 0 hrs: 00 mins: 10 secs: 00
	Interval	Days: 0 hrs: 00 mins: 00 secs: 10
	Step	3
	Duration	Days: 0 hrs: 01 mins: 30 secs: 00
	Interval	Days: 0 hrs: 00 mins: 01 secs: 40
	Step	4
	Duration	Days: 0 hrs: 15 mins: 00 secs: 00

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Interval	Days: 0 hrs: 00 mins: 16 secs: 40
Step	5
Duration	Days: 4 hrs: 07 mins: 20 secs: 00
Interval	Days: 0 hrs: 02 mins: 46 secs: 00
Step	6
Duration	Days: 0 hrs: 00 mins: 10 secs: 00
Interval	Days: 0 hrs: 00 mins: 00 secs: 10
Step	7
Duration	Days: 0 hrs: 01 mins: 30 secs: 00
Interval	Days: 0 hrs: 00 mins: 01 secs: 40
Step	8
Duration	Days: 0 hrs: 15 mins: 00 secs: 00
Interval	Days: 0 hrs: 00 mins: 16 secs: 40
Step	9
Duration	Days: 4 hrs: 07 mins: 20 secs: 00
Interval	Days: 0 hrs: 02 mins: 46 secs: 00

Level Reference Settings At Log Creation

Level Measurement Mode	Level Depth To Water
Specific Gravity	0.999
Level Reference Mode:	Set new reference
Level Reference Value:	0 (ft)
Level Reference Head Pressure	1.77031 (PSI)

Other Log Settings

Depth of Probe:	4.08543 (ft)
Head Pressure:	1.76937 (PSI)
Temperature:	12.5777 (C)

Log Notes:

Date and Time	Note
4/30/2011 15:59	Used Battery: 11% Used Memory: 1% User Name: jgadt

Log Data:

Record Count	699		
Sensors	1		
	1	151697	Pressure/Temp 15 PSIG (11m/35ft)

Time Zone: Central Daylight Time

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 151697 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 151697 Pressure (PSI)
4/30/2011 16:30	0	0.009	1.766
4/30/2011 16:40	600.001	0.001	1.77
4/30/2011 16:50	1200.001	0.009	1.767
4/30/2011 17:00	1800.001	0.009	1.766
4/30/2011 17:10	2400.001	0.017	1.763
4/30/2011 17:20	3000.001	0.018	1.763
4/30/2011 17:30	3600.001	0.022	1.761
4/30/2011 17:40	4200.001	0.035	1.755
4/30/2011 17:50	4800.001	0.036	1.755
4/30/2011 18:00	5400.001	0.038	1.754
4/30/2011 18:10	6000.001	0.031	1.757
4/30/2011 18:20	6600.001	0.05	1.749
4/30/2011 18:30	7200.001	0.043	1.752
4/30/2011 18:40	7800.001	0.052	1.748
4/30/2011 18:50	8400.001	0.053	1.747
4/30/2011 19:00	9000.001	0.06	1.744
4/30/2011 19:10	9600.001	0.058	1.745
4/30/2011 19:20	10200.001	0.062	1.743
4/30/2011 19:30	10800.001	0.066	1.742
4/30/2011 19:40	11400.001	0.061	1.744
4/30/2011 19:50	12000.001	0.067	1.741
4/30/2011 20:00	12600.001	0.066	1.742
4/30/2011 20:10	13200.001	0.071	1.74
4/30/2011 20:20	13800.001	0.075	1.738
4/30/2011 20:30	14400.001	0.081	1.735
4/30/2011 20:40	15000.001	0.084	1.734
4/30/2011 20:50	15600.001	0.089	1.732
4/30/2011 21:00	16200.001	0.09	1.731
4/30/2011 21:10	16800.001	0.092	1.731
4/30/2011 21:20	17400.001	0.094	1.73
4/30/2011 21:30	18000.001	0.098	1.728
4/30/2011 21:40	18600.001	0.103	1.726
4/30/2011 21:50	19200.001	0.104	1.725
4/30/2011 22:00	19800.001	0.108	1.724
4/30/2011 22:10	20400.001	0.104	1.725
4/30/2011 22:20	21000.001	0.106	1.724
4/30/2011 22:30	21600.001	0.105	1.725
4/30/2011 22:40	22200.001	0.108	1.724
4/30/2011 22:50	22800.001	0.103	1.726
4/30/2011 23:00	23400.001	0.101	1.727
4/30/2011 23:10	24000.001	0.101	1.726
4/30/2011 23:20	24600.001	0.099	1.727
4/30/2011 23:30	25200.001	0.105	1.725
4/30/2011 23:40	25800.001	0.103	1.726
4/30/2011 23:50	26400.001	0.104	1.725

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Date and Time	Elapsed Time Seconds	SN#: 151697 evel Depth To Water (ft)	SN#: 151697 Pressure (PSI)
5/1/2011 0:00	27000.001	0.104	1.725
5/1/2011 0:10	27600.001	0.104	1.725
5/1/2011 0:20	28200.001	0.106	1.725
5/1/2011 0:30	28800.001	0.102	1.726
5/1/2011 0:40	29400.001	0.102	1.726
5/1/2011 0:50	30000.001	0.104	1.725
5/1/2011 1:00	30600.001	0.107	1.724
5/1/2011 1:10	31200.001	0.106	1.725
5/1/2011 1:20	31800.001	0.102	1.726
5/1/2011 1:30	32400.001	0.102	1.726
5/1/2011 1:40	33000.001	0.094	1.73
5/1/2011 1:50	33600.001	0.09	1.731
5/1/2011 2:00	34200.001	0.089	1.732
5/1/2011 2:10	34800.001	0.094	1.73
5/1/2011 2:20	35400.001	0.091	1.731
5/1/2011 2:30	36000.001	0.081	1.735
5/1/2011 2:40	36600.001	0.081	1.735
5/1/2011 2:50	37200.001	0.062	1.744
5/1/2011 3:00	37800.001	0.057	1.746
5/1/2011 3:10	38400.001	0.059	1.745
5/1/2011 3:20	39000.001	0.069	1.741
5/1/2011 3:30	39600.001	0.073	1.739
5/1/2011 3:40	40200.001	0.081	1.735
5/1/2011 3:50	40800.001	0.076	1.737
5/1/2011 4:00	41400.001	0.072	1.739
5/1/2011 4:10	42000.001	0.068	1.741
5/1/2011 4:20	42600.001	0.068	1.741
5/1/2011 4:30	43200.001	0.067	1.741
5/1/2011 4:40	43800.001	0.069	1.74
5/1/2011 4:50	44400.001	0.07	1.74
5/1/2011 5:00	45000.001	0.068	1.741
5/1/2011 5:10	45600.001	0.075	1.738
5/1/2011 5:20	46200.001	0.079	1.736
5/1/2011 5:30	46800.001	0.084	1.734
5/1/2011 5:40	47400.001	0.086	1.733
5/1/2011 5:50	48000.001	0.087	1.733
5/1/2011 6:00	48600.001	0.091	1.731
5/1/2011 6:10	49200.001	0.098	1.728
5/1/2011 6:20	49800.001	0.104	1.725
5/1/2011 6:30	50400.001	0.107	1.724
5/1/2011 6:40	51000.001	0.107	1.724
5/1/2011 6:50	51600.001	0.111	1.722
5/1/2011 7:00	52200.001	0.116	1.72
5/1/2011 7:10	52800.001	0.116	1.72
5/1/2011 7:20	53400.001	0.116	1.72
5/1/2011 7:30	54000.001	0.114	1.721

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5/1/2011 7:40	54600.001	0.11	1.723
5/1/2011 7:50	55200.001	0.11	1.723
5/1/2011 8:00	55800.001	0.105	1.725
5/1/2011 8:10	56400.001	0.093	1.73
5/1/2011 8:20	57000.001	0.103	1.726
5/1/2011 8:30	57600.001	0.1	1.727
5/1/2011 8:40	58200.001	0.095	1.729
5/1/2011 8:50	58800.001	0.095	1.729
5/1/2011 9:00	59400.001	0.09	1.731
5/1/2011 9:10	60000.001	0.093	1.73
5/1/2011 9:20	60600.001	0.099	1.728
5/1/2011 9:30	61200.001	0.102	1.726
5/1/2011 9:40	61800.001	0.11	1.723
5/1/2011 9:50	62400.001	0.111	1.722
5/1/2011 10:00	63000.001	0.11	1.723
5/1/2011 10:10	63600.001	0.106	1.724
5/1/2011 10:20	64200.001	0.112	1.722
5/1/2011 10:30	64800.001	0.112	1.722
5/1/2011 10:40	65400.001	0.108	1.724
5/1/2011 10:50	66000.001	0.115	1.721
5/1/2011 11:00	66600.001	0.115	1.72
5/1/2011 11:10	67200.001	0.121	1.718
5/1/2011 11:20	67800.001	0.122	1.718
5/1/2011 11:30	68400.001	0.12	1.718
5/1/2011 11:40	69000.001	0.114	1.721
5/1/2011 11:50	69600.001	0.116	1.72
5/1/2011 12:00	70200.001	0.108	1.724
5/1/2011 12:10	70800.001	0.099	1.727
5/1/2011 12:20	71400.001	0.1	1.727
5/1/2011 12:30	72000.001	0.088	1.732
5/1/2011 12:40	72600.001	0.089	1.732
5/1/2011 12:50	73200.001	0.09	1.732
5/1/2011 13:00	73800.001	0.096	1.729
5/1/2011 13:10	74400.001	0.089	1.732
5/1/2011 13:20	75000.001	0.083	1.734
5/1/2011 13:30	75600.001	0.081	1.735
5/1/2011 13:40	76200.001	0.081	1.735
5/1/2011 13:50	76800.001	0.09	1.731
5/1/2011 14:00	77400.001	0.093	1.73
5/1/2011 14:10	78000.001	0.097	1.728
5/1/2011 14:20	78600.001	0.095	1.729
5/1/2011 14:30	79200.001	0.094	1.73
5/1/2011 14:40	79800.001	0.098	1.728
5/1/2011 14:50	80400.001	0.101	1.726
5/1/2011 15:00	81000.001	0.103	1.726
5/1/2011 15:10	81600.001	0.104	1.725

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Date and Time	Elapsed Time Seconds	SN#: 151697 evel Depth To Water (ft)	SN#: 151697 Pressure (PSI)
5/1/2011 15:20	82200.001	0.093	1.73
5/1/2011 15:30	82800.001	0.091	1.731
5/1/2011 15:40	83400.001	0.08	1.735
5/1/2011 15:50	84000.001	0.083	1.734
5/1/2011 16:00	84600.001	0.08	1.736
5/1/2011 16:10	85200.001	0.079	1.736
5/1/2011 16:20	85800.001	0.084	1.734
5/1/2011 16:30	86400.001	0.078	1.736
5/1/2011 16:40	87000.001	0.076	1.737
5/1/2011 16:50	87600.001	0.08	1.736
5/1/2011 17:00	88200.001	0.075	1.738
5/1/2011 17:10	88800.001	0.083	1.734
5/1/2011 17:20	89400.001	0.08	1.736
5/1/2011 17:30	90000.001	0.084	1.734
5/1/2011 17:40	90600.001	0.084	1.734
5/1/2011 17:50	91200.001	0.089	1.732
5/1/2011 18:00	91800.001	0.083	1.734
5/1/2011 18:10	92400.001	0.087	1.733
5/1/2011 18:20	93000.001	0.094	1.73
5/1/2011 18:30	93600.001	0.095	1.729
5/1/2011 18:40	94200.001	0.093	1.73
5/1/2011 18:50	94800.001	0.097	1.728
5/1/2011 19:00	95400.001	0.1	1.727
5/1/2011 19:10	96000.001	0.103	1.726
5/1/2011 19:20	96600.001	0.103	1.726
5/1/2011 19:30	97200.001	0.102	1.726
5/1/2011 19:40	97800.001	0.104	1.725
5/1/2011 19:50	98400.001	0.105	1.725
5/1/2011 20:00	99000.001	0.109	1.723
5/1/2011 20:10	99600.001	0.114	1.721
5/1/2011 20:20	100200.001	0.117	1.72
5/1/2011 20:30	100800.001	0.12	1.718
5/1/2011 20:40	101400.001	0.126	1.716
5/1/2011 20:50	102000.001	0.127	1.715
5/1/2011 21:00	102600.001	0.13	1.714
5/1/2011 21:10	103200.001	0.132	1.713
5/1/2011 21:20	103800.001	0.134	1.712
5/1/2011 21:30	104400.001	0.138	1.711
5/1/2011 21:40	105000.001	0.143	1.709
5/1/2011 21:50	105600.001	0.148	1.706
5/1/2011 22:00	106200.001	0.148	1.706
5/1/2011 22:10	106800.001	0.146	1.707
5/1/2011 22:20	107400.001	0.148	1.706
5/1/2011 22:30	108000.001	0.146	1.707
5/1/2011 22:40	108600.001	0.147	1.707
5/1/2011 22:50	109200.001	0.145	1.708

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Date and Time	Elapsed Time Seconds	SN#: 151697 evel Depth To Water (ft)	SN#: 151697 Pressure (PSI)
5/1/2011 23:00	109800.001	0.144	1.708
5/1/2011 23:10	110400.001	0.147	1.707
5/1/2011 23:20	111000.001	0.147	1.707
5/1/2011 23:30	111600.001	0.146	1.707
5/1/2011 23:40	112200.001	0.145	1.708
5/1/2011 23:50	112800.001	0.144	1.708
5/2/2011 0:00	113400.001	0.141	1.709
5/2/2011 0:10	114000.001	0.142	1.709
5/2/2011 0:20	114600.001	0.144	1.708
5/2/2011 0:30	115200.001	0.145	1.708
5/2/2011 0:40	115800.001	0.146	1.707
5/2/2011 0:50	116400.001	0.148	1.706
5/2/2011 1:00	117000.001	0.148	1.706
5/2/2011 1:10	117600.001	0.147	1.707
5/2/2011 1:20	118200.001	0.146	1.707
5/2/2011 1:30	118800.001	0.147	1.707
5/2/2011 1:40	119400.001	0.145	1.708
5/2/2011 1:50	120000.001	0.144	1.708
5/2/2011 2:00	120600.001	0.14	1.71
5/2/2011 2:10	121200.001	0.138	1.711
5/2/2011 2:20	121800.001	0.133	1.713
5/2/2011 2:30	122400.001	0.132	1.713
5/2/2011 2:40	123000.001	0.135	1.712
5/2/2011 2:50	123600.001	0.131	1.714
5/2/2011 3:00	124200.001	0.13	1.714
5/2/2011 3:10	124800.001	0.133	1.713
5/2/2011 3:20	125400.001	0.133	1.713
5/2/2011 3:30	126000.001	0.14	1.71
5/2/2011 3:40	126600.001	0.145	1.707
5/2/2011 3:50	127200.001	0.147	1.707
5/2/2011 4:00	127800.001	0.154	1.704
5/2/2011 4:10	128400.001	0.156	1.703
5/2/2011 4:20	129000.001	0.158	1.702
5/2/2011 4:30	129600.001	0.159	1.701
5/2/2011 4:40	130200.001	0.16	1.701
5/2/2011 4:50	130800.001	0.16	1.701
5/2/2011 5:00	131400.001	0.158	1.702
5/2/2011 5:10	132000.001	0.158	1.702
5/2/2011 5:20	132600.001	0.16	1.701
5/2/2011 5:30	133200.001	0.163	1.7
5/2/2011 5:40	133800.001	0.158	1.702
5/2/2011 5:50	134400.001	0.158	1.702
5/2/2011 6:00	135000.001	0.15	1.705
5/2/2011 6:10	135600.001	0.154	1.704
5/2/2011 6:20	136200.001	0.148	1.706
5/2/2011 6:30	136800.001	0.151	1.705

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Date and Time	Elapsed Time Seconds	SN#: 151697 evel Depth To Water (ft)	SN#: 151697 Pressure (PSI)
5/2/2011 6:40	137400.001	0.153	1.704
5/2/2011 6:50	138000.001	0.156	1.703
5/2/2011 7:00	138600.001	0.159	1.701
5/2/2011 7:10	139200.001	0.167	1.698
5/2/2011 7:20	139800.001	0.17	1.697
5/2/2011 7:30	140400.001	0.183	1.691
5/2/2011 7:40	141000.001	0.181	1.692
5/2/2011 7:50	141600.001	0.185	1.69
5/2/2011 8:00	142200.001	0.184	1.69
5/2/2011 8:10	142800.001	0.186	1.69
5/2/2011 8:20	143400.001	0.187	1.689
5/2/2011 8:30	144000.001	0.185	1.69
5/2/2011 8:40	144600.001	0.192	1.687
5/2/2011 8:50	145200.001	0.196	1.685
5/2/2011 9:00	145800.001	0.195	1.686
5/2/2011 9:10	146400.001	0.19	1.688
5/2/2011 9:20	147000.001	0.192	1.687
5/2/2011 9:30	147600.001	0.192	1.687
5/2/2011 9:40	148200.001	0.194	1.686
5/2/2011 9:50	148800.001	0.191	1.687
5/2/2011 10:00	149400.001	0.191	1.688
5/2/2011 10:10	150000.001	0.189	1.688
5/2/2011 10:20	150600.001	0.184	1.691
5/2/2011 10:30	151200.001	0.182	1.691
5/2/2011 10:40	151800.001	0.178	1.693
5/2/2011 10:50	152400.001	0.176	1.694
5/2/2011 11:00	153000.001	0.179	1.693
5/2/2011 11:10	153600.001	0.172	1.696
5/2/2011 11:20	154200.001	0.178	1.693
5/2/2011 11:30	154800.001	0.166	1.698
5/2/2011 11:40	155400.001	0.167	1.698
5/2/2011 11:50	156000.001	0.169	1.697
5/2/2011 12:00	156600.001	0.166	1.698
5/2/2011 12:10	157200.001	0.164	1.699
5/2/2011 12:20	157800.001	0.161	1.701
5/2/2011 12:30	158400.001	0.162	1.7
5/2/2011 12:40	159000.001	0.155	1.703
5/2/2011 12:50	159600.001	0.153	1.704
5/2/2011 13:00	160200.001	0.154	1.704
5/2/2011 13:10	160800.001	0.154	1.704
5/2/2011 13:20	161400.001	0.148	1.706
5/2/2011 13:30	162000.001	0.15	1.705
5/2/2011 13:40	162600.001	0.143	1.708
5/2/2011 13:50	163200.001	0.144	1.708
5/2/2011 14:00	163800.001	0.144	1.708
5/2/2011 14:10	164400.001	0.143	1.708

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5/2/2011 14:20	165000.001	0.138	1.711
5/2/2011 14:30	165600.001	0.138	1.71
5/2/2011 14:40	166200.001	0.137	1.711
5/2/2011 14:50	166800.001	0.135	1.712
5/2/2011 15:00	167400.001	0.124	1.716
5/2/2011 15:10	168000.001	0.127	1.715
5/2/2011 15:20	168600.001	0.129	1.715
5/2/2011 15:30	169200.001	0.123	1.717
5/2/2011 15:40	169800.001	0.117	1.72
5/2/2011 15:50	170400.001	0.12	1.719
5/2/2011 16:00	171000.001	0.118	1.719
5/2/2011 16:10	171600.001	0.12	1.718
5/2/2011 16:20	172200.001	0.12	1.718
5/2/2011 16:30	172800.001	0.121	1.718
5/2/2011 16:30	172810.001	0.119	1.719
5/2/2011 16:30	172820.001	0.12	1.718
5/2/2011 16:30	172830.001	0.12	1.719
5/2/2011 16:30	172840.001	0.12	1.718
5/2/2011 16:30	172850.001	0.122	1.717
5/2/2011 16:31	172860.001	0.12	1.718
5/2/2011 16:31	172870.001	0.12	1.718
5/2/2011 16:31	172880.001	0.12	1.718
5/2/2011 16:31	172890.001	0.12	1.718
5/2/2011 16:31	172900.001	0.12	1.718
5/2/2011 16:31	172910.001	0.119	1.719
5/2/2011 16:32	172920.001	0.12	1.718
5/2/2011 16:32	172930.001	0.121	1.718
5/2/2011 16:32	172940.001	0.122	1.718
5/2/2011 16:32	172950.001	0.121	1.718
5/2/2011 16:32	172960.001	0.119	1.719
5/2/2011 16:32	172970.001	0.121	1.718
5/2/2011 16:33	172980.001	0.119	1.719
5/2/2011 16:33	172990.001	0.12	1.718
5/2/2011 16:33	173000.001	0.121	1.718
5/2/2011 16:33	173010.001	0.121	1.718
5/2/2011 16:33	173020.001	0.12	1.718
5/2/2011 16:33	173030.001	0.12	1.718
5/2/2011 16:34	173040.001	0.12	1.718
5/2/2011 16:34	173050.001	0.121	1.718
5/2/2011 16:34	173060.001	0.121	1.718
5/2/2011 16:34	173070.001	0.12	1.719
5/2/2011 16:34	173080.001	0.121	1.718
5/2/2011 16:34	173090.001	0.121	1.718
5/2/2011 16:35	173100.001	0.119	1.719
5/2/2011 16:35	173110.001	0.12	1.718
5/2/2011 16:35	173120.001	0.122	1.718

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Date and Time	Elapsed Time Seconds	SN#: 151697 evel Depth To Water (ft)	SN#: 151697 Pressure (PSI)
5/2/2011 16:35	173130.001	0.12	1.718
5/2/2011 16:35	173140.001	0.119	1.719
5/2/2011 16:35	173150.001	0.119	1.719
5/2/2011 16:36	173160.001	0.12	1.718
5/2/2011 16:36	173170.001	0.12	1.718
5/2/2011 16:36	173180.001	0.119	1.719
5/2/2011 16:36	173190.001	0.122	1.718
5/2/2011 16:36	173200.001	0.121	1.718
5/2/2011 16:36	173210.001	0.12	1.718
5/2/2011 16:37	173220.001	0.121	1.718
5/2/2011 16:37	173230.001	0.121	1.718
5/2/2011 16:37	173240.001	0.123	1.717
5/2/2011 16:37	173250.001	0.12	1.718
5/2/2011 16:37	173260.001	0.119	1.719
5/2/2011 16:37	173270.001	0.119	1.719
5/2/2011 16:38	173280.001	0.118	1.719
5/2/2011 16:38	173290.001	0.12	1.719
5/2/2011 16:38	173300.001	0.119	1.719
5/2/2011 16:38	173310.001	0.12	1.718
5/2/2011 16:38	173320.001	0.12	1.718
5/2/2011 16:38	173330.001	0.119	1.719
5/2/2011 16:39	173340.001	0.119	1.719
5/2/2011 16:39	173350.001	0.12	1.718
5/2/2011 16:39	173360.001	0.12	1.718
5/2/2011 16:39	173370.001	0.121	1.718
5/2/2011 16:39	173380.001	0.118	1.719
5/2/2011 16:39	173390.001	0.119	1.719
5/2/2011 16:40	173400.001	0.122	1.718
5/2/2011 16:41	173500.001	0.121	1.718
5/2/2011 16:43	173600.001	0.121	1.718
5/2/2011 16:45	173700.001	0.12	1.718
5/2/2011 16:46	173800.001	0.12	1.718
5/2/2011 16:48	173900.001	0.121	1.718
5/2/2011 16:50	174000.001	0.122	1.717
5/2/2011 16:51	174100.001	0.121	1.718
5/2/2011 16:53	174200.001	0.123	1.717
5/2/2011 16:55	174300.001	0.121	1.718
5/2/2011 16:56	174400.001	0.123	1.717
5/2/2011 16:58	174500.001	0.124	1.717
5/2/2011 17:00	174600.001	0.123	1.717
5/2/2011 17:01	174700.001	0.124	1.717
5/2/2011 17:03	174800.001	0.125	1.716
5/2/2011 17:05	174900.001	0.123	1.717
5/2/2011 17:06	175000.001	0.122	1.717
5/2/2011 17:08	175100.001	0.123	1.717
5/2/2011 17:10	175200.001	0.122	1.718

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5/2/2011 17:11	175300.001	0.121	1.718
5/2/2011 17:13	175400.001	0.122	1.717
5/2/2011 17:15	175500.001	0.123	1.717
5/2/2011 17:16	175600.001	0.124	1.716
5/2/2011 17:18	175700.001	0.124	1.717
5/2/2011 17:20	175800.001	0.124	1.717
5/2/2011 17:21	175900.001	0.124	1.717
5/2/2011 17:23	176000.001	0.125	1.716
5/2/2011 17:25	176100.001	0.124	1.717
5/2/2011 17:26	176200.001	0.124	1.717
5/2/2011 17:28	176300.001	0.125	1.716
5/2/2011 17:30	176400.001	0.127	1.715
5/2/2011 17:31	176500.001	0.127	1.716
5/2/2011 17:33	176600.001	0.124	1.717
5/2/2011 17:35	176700.001	0.124	1.717
5/2/2011 17:36	176800.001	0.124	1.717
5/2/2011 17:38	176900.001	0.125	1.716
5/2/2011 17:40	177000.001	0.123	1.717
5/2/2011 17:41	177100.001	0.124	1.716
5/2/2011 17:43	177200.001	0.124	1.717
5/2/2011 17:45	177300.001	0.127	1.715
5/2/2011 17:46	177400.001	0.128	1.715
5/2/2011 17:48	177500.001	0.127	1.715
5/2/2011 17:50	177600.001	0.127	1.715
5/2/2011 17:51	177700.001	0.126	1.716
5/2/2011 17:53	177800.001	0.126	1.716
5/2/2011 17:55	177900.001	0.125	1.716
5/2/2011 17:56	178000.001	0.126	1.716
5/2/2011 17:58	178100.001	0.124	1.717
5/2/2011 18:00	178200.001	0.124	1.717
5/2/2011 18:01	178300.001	0.125	1.716
5/2/2011 18:03	178400.001	0.123	1.717
5/2/2011 18:05	178500.001	0.123	1.717
5/2/2011 18:06	178600.001	0.125	1.716
5/2/2011 18:08	178700.001	0.125	1.716
5/2/2011 18:10	178800.001	0.125	1.716
5/2/2011 18:26	179800.001	0.123	1.717
5/2/2011 18:43	180800.001	0.121	1.718
5/2/2011 19:00	181800.001	0.118	1.719
5/2/2011 19:16	182800.001	0.117	1.72
5/2/2011 19:33	183800.001	0.118	1.719
5/2/2011 19:50	184800.001	0.114	1.721
5/2/2011 20:06	185800.001	0.111	1.722
5/2/2011 20:23	186800.001	0.113	1.721
5/2/2011 20:40	187800.001	0.116	1.72
5/2/2011 20:56	188800.001	0.123	1.717

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Date and Time	Elapsed Time Seconds	SN#: 151697 evel Depth To Water (ft)	SN#: 151697 Pressure (PSI)
5/2/2011 21:13	189800.001	0.128	1.715
5/2/2011 21:30	190800.001	0.13	1.714
5/2/2011 21:46	191800.001	0.128	1.715
5/2/2011 22:03	192800.001	0.129	1.715
5/2/2011 22:20	193800.001	0.131	1.714
5/2/2011 22:36	194800.001	0.128	1.715
5/2/2011 22:53	195800.001	0.126	1.716
5/2/2011 23:10	196800.001	0.123	1.717
5/2/2011 23:26	197800.001	0.117	1.719
5/2/2011 23:43	198800.001	0.113	1.721
5/3/2011 0:00	199800.001	0.112	1.722
5/3/2011 0:16	200800.001	0.115	1.721
5/3/2011 0:33	201800.001	0.108	1.723
5/3/2011 0:50	202800.001	0.107	1.724
5/3/2011 1:06	203800.001	0.11	1.723
5/3/2011 1:23	204800.001	0.108	1.724
5/3/2011 1:40	205800.001	0.11	1.723
5/3/2011 1:56	206800.001	0.101	1.726
5/3/2011 2:13	207800.001	0.093	1.73
5/3/2011 2:30	208800.001	0.092	1.73
5/3/2011 2:46	209800.001	0.09	1.731
5/3/2011 3:03	210800.001	0.089	1.732
5/3/2011 3:20	211800.001	0.089	1.732
5/3/2011 3:36	212800.001	0.087	1.732
5/3/2011 3:53	213800.001	0.089	1.732
5/3/2011 4:10	214800.001	0.09	1.732
5/3/2011 4:26	215800.001	0.089	1.732
5/3/2011 4:43	216800.001	0.084	1.734
5/3/2011 5:00	217800.001	0.082	1.735
5/3/2011 5:16	218800.001	0.079	1.736
5/3/2011 5:33	219800.001	0.079	1.736
5/3/2011 5:50	220800.001	0.076	1.737
5/3/2011 6:06	221800.001	0.075	1.738
5/3/2011 6:23	222800.001	0.075	1.738
5/3/2011 6:40	223800.001	0.077	1.737
5/3/2011 6:56	224800.001	0.08	1.735
5/3/2011 7:13	225800.001	0.084	1.734
5/3/2011 7:30	226800.001	0.087	1.733
5/3/2011 7:46	227800.001	0.089	1.732
5/3/2011 8:03	228800.001	0.09	1.731
5/3/2011 8:20	229800.001	0.093	1.73
5/3/2011 8:36	230800.001	0.088	1.732
5/3/2011 8:53	231800.001	0.087	1.733
5/3/2011 9:10	232800.001	0.086	1.733
5/3/2011 11:56	242760.001	0.057	1.746
5/3/2011 14:42	252720.001	0.025	1.759

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Date and Time	Elapsed Time Seconds	SN#: 151697 evel Depth To Water (ft)	SN#: 151697 Pressure (PSI)
5/3/2011 17:28	262680.001	0.009	1.767
5/3/2011 20:14	272640.001	0.018	1.763
5/3/2011 23:00	282600.001	0.036	1.755
5/4/2011 1:46	292560.001	0.02	1.762
5/4/2011 4:32	302520.001	-0.017	1.778
5/4/2011 7:18	312480.001	-0.015	1.777
5/4/2011 10:04	322440.001	-0.029	1.783
5/4/2011 12:50	332400.001	-0.049	1.792
5/4/2011 15:36	342360.001	-0.072	1.802
5/4/2011 18:22	352320.001	0.001	1.77
5/4/2011 21:08	362280.001	0.029	1.758
5/4/2011 23:54	372240.001	0	1.77
5/5/2011 2:40	382200.001	-0.009	1.774
5/5/2011 5:26	392160.001	-0.034	1.785
5/5/2011 8:12	402120.001	-0.02	1.779
5/5/2011 10:58	412080.001	-0.038	1.787
5/5/2011 13:44	422040.001	-0.078	1.804
5/5/2011 16:30	432000.001	-0.083	1.806
5/5/2011 19:16	441960.001	-0.088	1.808
5/5/2011 22:02	451920.001	-0.062	1.797
5/6/2011 0:48	461880.001	-0.079	1.805
5/6/2011 3:34	471840.001	-0.106	1.816
5/6/2011 6:20	481800.001	-0.115	1.82
5/6/2011 9:06	491760.001	-0.126	1.825
5/6/2011 11:52	501720.001	-0.139	1.83
5/6/2011 14:38	511680.001	-0.149	1.835
5/6/2011 17:24	521640.001	-0.117	1.821
5/6/2011 20:10	531600.001	-0.076	1.803
5/6/2011 22:56	541560.001	-0.078	1.804
5/7/2011 1:42	551520.001	-0.118	1.821
5/7/2011 4:28	561480.001	-0.089	1.809
5/7/2011 7:14	571440.001	-0.096	1.812
5/7/2011 10:00	581400.001	-0.085	1.807
5/7/2011 12:46	591360.001	-0.122	1.823
5/7/2011 15:32	601320.001	-0.143	1.832
5/7/2011 15:32	601330.001	-0.144	1.832
5/7/2011 15:32	601340.001	-0.144	1.833
5/7/2011 15:32	601350.001	-0.144	1.833
5/7/2011 15:32	601360.001	-0.142	1.832
5/7/2011 15:32	601370.001	-0.144	1.833
5/7/2011 15:33	601380.001	-0.145	1.833
5/7/2011 15:33	601390.001	-0.144	1.833
5/7/2011 15:33	601400.001	-0.142	1.832
5/7/2011 15:33	601410.001	-0.143	1.832
5/7/2011 15:33	601420.001	-0.142	1.832
5/7/2011 15:33	601430.001	-0.143	1.832

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Date and Time	Elapsed Time Seconds	SN#: 151697 evel Depth To Water (ft)	SN#: 151697 Pressure (PSI)
5/7/2011 15:34	601440.001	-0.143	1.832
5/7/2011 15:34	601450.001	-0.143	1.832
5/7/2011 15:34	601460.001	-0.143	1.832
5/7/2011 15:34	601470.001	-0.142	1.832
5/7/2011 15:34	601480.001	-0.142	1.832
5/7/2011 15:34	601490.001	-0.143	1.832
5/7/2011 15:35	601500.001	-0.142	1.832
5/7/2011 15:35	601510.001	-0.144	1.833
5/7/2011 15:35	601520.001	-0.144	1.833
5/7/2011 15:35	601530.001	-0.143	1.832
5/7/2011 15:35	601540.001	-0.144	1.833
5/7/2011 15:35	601550.001	-0.145	1.833
5/7/2011 15:36	601560.001	-0.146	1.834
5/7/2011 15:36	601570.001	-0.145	1.833
5/7/2011 15:36	601580.001	-0.143	1.832
5/7/2011 15:36	601590.001	-0.143	1.832
5/7/2011 15:36	601600.001	-0.142	1.832
5/7/2011 15:36	601610.001	-0.142	1.832
5/7/2011 15:37	601620.001	-0.143	1.832
5/7/2011 15:37	601630.001	-0.143	1.832
5/7/2011 15:37	601640.001	-0.143	1.832
5/7/2011 15:37	601650.001	-0.142	1.832
5/7/2011 15:37	601660.001	-0.142	1.832
5/7/2011 15:37	601670.001	-0.143	1.832
5/7/2011 15:38	601680.001	-0.142	1.832
5/7/2011 15:38	601690.001	-0.142	1.832
5/7/2011 15:38	601700.001	-0.144	1.833
5/7/2011 15:38	601710.001	-0.143	1.832
5/7/2011 15:38	601720.001	-0.142	1.832
5/7/2011 15:38	601730.001	-0.144	1.833
5/7/2011 15:39	601740.001	-0.144	1.833
5/7/2011 15:39	601750.001	-0.145	1.833
5/7/2011 15:39	601760.001	-0.145	1.833
5/7/2011 15:39	601770.001	-0.145	1.833
5/7/2011 15:39	601780.001	-0.145	1.833
5/7/2011 15:39	601790.001	-0.143	1.832
5/7/2011 15:40	601800.001	-0.144	1.833
5/7/2011 15:40	601810.001	-0.145	1.833
5/7/2011 15:40	601820.001	-0.144	1.833
5/7/2011 15:40	601830.001	-0.144	1.833
5/7/2011 15:40	601840.001	-0.143	1.832
5/7/2011 15:40	601850.001	-0.144	1.833
5/7/2011 15:41	601860.001	-0.145	1.833
5/7/2011 15:41	601870.001	-0.147	1.834
5/7/2011 15:41	601880.001	-0.147	1.834
5/7/2011 15:41	601890.001	-0.145	1.833

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Date and Time	Elapsed Time Seconds	SN#: 151697 evel Depth To Water (ft)	SN#: 151697 Pressure (PSI)
5/7/2011 15:41	601900.001	-0.146	1.833
5/7/2011 15:41	601910.001	-0.147	1.834
5/7/2011 15:42	601920.001	-0.146	1.834
5/7/2011 15:43	602020.001	-0.146	1.834
5/7/2011 15:45	602120.001	-0.148	1.835
5/7/2011 15:47	602220.001	-0.147	1.834
5/7/2011 15:48	602320.001	-0.145	1.833
5/7/2011 15:50	602420.001	-0.149	1.835
5/7/2011 15:52	602520.001	-0.149	1.835
5/7/2011 15:53	602620.001	-0.149	1.835
5/7/2011 15:55	602720.001	-0.151	1.836
5/7/2011 15:57	602820.001	-0.152	1.836
5/7/2011 15:58	602920.001	-0.152	1.836
5/7/2011 16:00	603020.001	-0.151	1.836
5/7/2011 16:02	603120.001	-0.154	1.837
5/7/2011 16:03	603220.001	-0.151	1.836
5/7/2011 16:05	603320.001	-0.151	1.836
5/7/2011 16:07	603420.001	-0.153	1.837
5/7/2011 16:08	603520.001	-0.148	1.834
5/7/2011 16:10	603620.001	-0.151	1.836
5/7/2011 16:12	603720.001	-0.15	1.835
5/7/2011 16:13	603820.001	-0.146	1.834
5/7/2011 16:15	603920.001	-0.146	1.834
5/7/2011 16:17	604020.001	-0.151	1.836
5/7/2011 16:18	604120.001	-0.148	1.835
5/7/2011 16:20	604220.001	-0.149	1.835
5/7/2011 16:22	604320.001	-0.149	1.835
5/7/2011 16:23	604420.001	-0.151	1.836
5/7/2011 16:25	604520.001	-0.15	1.835
5/7/2011 16:27	604620.001	-0.151	1.836
5/7/2011 16:28	604720.001	-0.153	1.837
5/7/2011 16:30	604820.001	-0.152	1.836
5/7/2011 16:32	604920.001	-0.153	1.837
5/7/2011 16:33	605020.001	-0.151	1.836
5/7/2011 16:35	605120.001	-0.151	1.836
5/7/2011 16:37	605220.001	-0.15	1.835
5/7/2011 16:38	605320.001	-0.15	1.835
5/7/2011 16:40	605420.001	-0.153	1.836
5/7/2011 16:42	605520.001	-0.149	1.835
5/7/2011 16:43	605620.001	-0.148	1.834
5/7/2011 16:45	605720.001	-0.146	1.834
5/7/2011 16:47	605820.001	-0.145	1.833
5/7/2011 16:48	605920.001	-0.144	1.833
5/7/2011 16:50	606020.001	-0.146	1.834
5/7/2011 16:52	606120.001	-0.144	1.833
5/7/2011 16:53	606220.001	-0.142	1.832

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Date and Time	Elapsed Time Seconds	SN#: 151697 evel Depth To Water (ft)	SN#: 151697 Pressure (PSI)
5/7/2011 16:55	606320.001	-0.145	1.833
5/7/2011 16:57	606420.001	-0.142	1.832
5/7/2011 16:58	606520.001	-0.142	1.832
5/7/2011 17:00	606620.001	-0.142	1.832
5/7/2011 17:02	606720.001	-0.143	1.832
5/7/2011 17:03	606820.001	-0.14	1.831
5/7/2011 17:05	606920.001	-0.141	1.831
5/7/2011 17:07	607020.001	-0.14	1.831
5/7/2011 17:08	607120.001	-0.137	1.83
5/7/2011 17:10	607220.001	-0.14	1.831
5/7/2011 17:12	607320.001	-0.137	1.83
5/7/2011 17:28	608320.001	-0.136	1.829
5/7/2011 17:45	609320.001	-0.127	1.825
5/7/2011 18:02	610320.001	-0.127	1.825
5/7/2011 18:18	611320.001	-0.121	1.823
5/7/2011 18:35	612320.001	-0.118	1.821
5/7/2011 18:52	613320.001	-0.113	1.819
5/7/2011 19:08	614320.001	-0.111	1.818
5/7/2011 19:25	615320.001	-0.109	1.818
5/7/2011 19:42	616320.001	-0.108	1.817
5/7/2011 19:58	617320.001	-0.104	1.815
5/7/2011 20:15	618320.001	-0.104	1.816
5/7/2011 20:32	619320.001	-0.104	1.815
5/7/2011 20:48	620320.001	-0.103	1.815
5/7/2011 21:05	621320.001	-0.103	1.815
5/7/2011 21:22	622320.001	-0.092	1.81
5/7/2011 21:38	623320.001	-0.091	1.81
5/7/2011 21:55	624320.001	-0.088	1.808
5/7/2011 22:12	625320.001	-0.087	1.808
5/7/2011 22:28	626320.001	-0.087	1.808
5/7/2011 22:45	627320.001	-0.092	1.81
5/7/2011 23:02	628320.001	-0.095	1.812
5/7/2011 23:18	629320.001	-0.097	1.812
5/7/2011 23:35	630320.001	-0.098	1.813
5/7/2011 23:52	631320.001	-0.103	1.815
5/8/2011 0:08	632320.001	-0.099	1.813
5/8/2011 0:25	633320.001	-0.101	1.814
5/8/2011 0:42	634320.001	-0.094	1.811
5/8/2011 0:58	635320.001	-0.088	1.809
5/8/2011 1:15	636320.001	-0.091	1.81
5/8/2011 1:32	637320.001	-0.086	1.807
5/8/2011 1:48	638320.001	-0.092	1.81
5/8/2011 2:05	639320.001	-0.091	1.81
5/8/2011 2:22	640320.001	-0.089	1.809
5/8/2011 2:38	641320.001	-0.092	1.81
5/8/2011 2:55	642320.001	-0.095	1.811

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Date and Time	Elapsed Time Seconds	SN#: 151697 evel Depth To Water (ft)	SN#: 151697 Pressure (PSI)
5/8/2011 3:12	643320.001	-0.096	1.812
5/8/2011 3:28	644320.001	-0.092	1.81
5/8/2011 3:45	645320.001	-0.091	1.81
5/8/2011 4:02	646320.001	-0.081	1.805
5/8/2011 4:18	647320.001	-0.073	1.802
5/8/2011 4:35	648320.001	-0.076	1.803
5/8/2011 4:52	649320.001	-0.072	1.802
5/8/2011 5:08	650320.001	-0.076	1.803
5/8/2011 5:25	651320.001	-0.07	1.801
5/8/2011 5:42	652320.001	-0.082	1.806
5/8/2011 5:58	653320.001	-0.086	1.807
5/8/2011 6:15	654320.001	-0.083	1.806
5/8/2011 6:32	655320.001	-0.082	1.806
5/8/2011 6:48	656320.001	-0.083	1.806
5/8/2011 7:05	657320.001	-0.081	1.805
5/8/2011 7:22	658320.001	-0.076	1.803
5/8/2011 7:38	659320.001	-0.08	1.805
5/8/2011 7:55	660320.001	-0.088	1.809
5/8/2011 8:12	661320.001	-0.087	1.808
5/8/2011 10:58	671280.001	-0.078	1.804
5/8/2011 13:44	681240.001	-0.098	1.813
5/8/2011 16:30	691200.001	-0.074	1.802
5/8/2011 19:16	701160.001	-0.068	1.8
5/8/2011 22:02	711120.001	-0.031	1.784
5/9/2011 0:48	721080.001	-0.038	1.787
5/9/2011 3:34	731040.001	-0.046	1.79
5/9/2011 6:20	741000.001	-0.034	1.785
5/9/2011 9:06	750960.001	-0.007	1.773
5/9/2011 11:52	760920.001	-0.019	1.778
5/9/2011 14:38	770880.001	-0.021	1.779
5/9/2011 17:24	780840.001	-0.021	1.779
5/9/2011 20:10	790800.001	0.004	1.769
5/9/2011 22:56	800760.001	0.028	1.758
5/10/2011 1:42	810720.001	0.015	1.764
5/10/2011 4:28	820680.001	0.034	1.756
5/10/2011 7:14	830640.001	0.067	1.741
5/10/2011 10:00	840600.001	0.088	1.732
5/10/2011 12:46	850560.001	0.056	1.746
5/10/2011 15:32	860520.001	0.029	1.758
5/10/2011 18:18	870480.001	0.041	1.752
5/10/2011 21:04	880440.001	0.061	1.744
5/10/2011 23:50	890400.001	0.071	1.739
5/11/2011 2:36	900360.001	0.058	1.745
5/11/2011 5:22	910320.001	0.063	1.743
5/11/2011 8:08	920280.001	0.082	1.735
5/11/2011 10:54	930240.001	0.069	1.741

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Date and Time	Elapsed Time Seconds	SN#: 151697 evel Depth To Water (ft)	SN#: 151697 Pressure (PSI)
5/11/2011 13:40	940200.001	0.059	1.745
5/11/2011 16:26	950160.001	0.029	1.758
5/11/2011 19:12	960120.001	0.077	1.737
5/11/2011 21:58	970080.001	0.082	1.735
5/12/2011 0:44	980040.001	0.068	1.741
5/12/2011 3:30	990000.001	0.077	1.737
5/12/2011 6:16	999960.001	0.079	1.736
5/12/2011 9:02	1009920.001	0.111	1.722
5/12/2011 11:48	1019880.001	0.087	1.733
5/12/2011 14:34	1029840.001	0.063	1.743

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Report Date:	5/16/2011 9:30
Report User Name	jgadt
Report Computer	KS-FIELD2-LTP
Application:	WinSitu.exe
Application Version	5.6.21.0

Log File Properties

File Name	MW5B_043011_FST_2011-05-13_08-29-53-265.wsl
Create Date	5/13/2011 8:29

Device Properties

Device	Level TROLL 700				
Site	MW-5B				
Device Name					
Serial Number		122809			
Firmware Version		2.08			
Hardware Version		2			
Device Address		1			
Device Comm Cfg		19200	8	Even	1
Used Memory		7			
Used Battery		22			

Log Configuration

	Log Name	MW5B_043011_FST
	Created By	jgadt
	Computer Name	KS-FIELD2-LTP
	Application	WinSitu.exe
	Application Version	5.6.21.0
	Create Date	4/30/2011 4:02:32 PM Central Daylight Time
	Log Setup Time Zone	Central Daylight Time
	Notes Size(bytes)	4096
	Overwrite when full	Disabled
	Scheduled Start Time	4/30/2011 4:30:00 PM Central Daylight Time
	Scheduled Stop Time	5/12/2011 4:30:00 PM Central Daylight Time
	Type	Step Test
Steps	9 (Linear)	
	Step	1
	Duration	Days: 2 hrs: 00 mins: 00 secs: 00
	Interval	Days: 0 hrs: 00 mins: 10 secs: 00
	Step	2
	Duration	Days: 0 hrs: 00 mins: 10 secs: 00
	Interval	Days: 0 hrs: 00 mins: 00 secs: 10
	Step	3
	Duration	Days: 0 hrs: 01 mins: 30 secs: 00
	Interval	Days: 0 hrs: 00 mins: 01 secs: 40
	Step	4
	Duration	Days: 0 hrs: 15 mins: 00 secs: 00
	Interval	Days: 0 hrs: 00 mins: 16 secs: 40
	Step	5
	Duration	Days: 4 hrs: 07 mins: 20 secs: 00
	Interval	Days: 0 hrs: 02 mins: 46 secs: 00
	Step	6

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Duration	Days: 0 hrs: 00 mins: 10 secs: 00
Interval	Days: 0 hrs: 00 mins: 00 secs: 10
Step	7
Duration	Days: 0 hrs: 01 mins: 30 secs: 00
Interval	Days: 0 hrs: 00 mins: 01 secs: 40
Step	8
Duration	Days: 0 hrs: 15 mins: 00 secs: 00
Interval	Days: 0 hrs: 00 mins: 16 secs: 40
Step	9
Duration	Days: 4 hrs: 07 mins: 20 secs: 00
Interval	Days: 0 hrs: 02 mins: 46 secs: 00

Level Reference Settings At Log Creation

Level Measurement Mode	Level Depth To Water
Specific Gravity	0.999
Level Reference Mode:	Set new reference
Level Reference Value:	0 (ft)
Level Reference Head Pressure	2.30439 (PSI)

Other Log Settings

Depth of Probe:	5.31526 (ft)
Head Pressure:	2.302 (PSI)
Temperature:	12.5804 (C)

Log Notes:

Date and Time	Note
4/30/2011 16:02	Used Battery: 22% Used Memory: 7% User Name: jgadt

Log Data:

Record Count	699		
Sensors	1		
	1	122809	Pressure/Temp 15 PSIG (11m/35ft)

Time Zone: Central Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
4/30/2011 16:30	0	0.015	2.298
4/30/2011 16:40	600.001	0.003	2.303
4/30/2011 16:50	1200.001	0.012	2.299
4/30/2011 17:00	1800.001	0.008	2.301
4/30/2011 17:10	2400.001	0.003	2.303
4/30/2011 17:20	3000.001	0.022	2.295
4/30/2011 17:30	3600.001	0.022	2.295

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
4/30/2011 17:40	4200.001	0.039	2.287
4/30/2011 17:50	4800.001	0.043	2.286
4/30/2011 18:00	5400.001	0.058	2.279
4/30/2011 18:10	6000.001	0.028	2.292
4/30/2011 18:20	6600.001	0.046	2.285
4/30/2011 18:30	7200.001	0.05	2.283
4/30/2011 18:40	7800.001	0.05	2.283
4/30/2011 18:50	8400.001	0.062	2.277
4/30/2011 19:00	9000.001	0.063	2.277
4/30/2011 19:10	9600.001	0.065	2.276
4/30/2011 19:20	10200.001	0.07	2.274
4/30/2011 19:30	10800.001	0.069	2.274
4/30/2011 19:40	11400.001	0.074	2.272
4/30/2011 19:50	12000.001	0.073	2.273
4/30/2011 20:00	12600.001	0.077	2.271
4/30/2011 20:10	13200.001	0.077	2.271
4/30/2011 20:20	13800.001	0.074	2.273
4/30/2011 20:30	14400.001	0.084	2.268
4/30/2011 20:40	15000.001	0.089	2.266
4/30/2011 20:50	15600.001	0.097	2.262
4/30/2011 21:00	16200.001	0.093	2.264
4/30/2011 21:10	16800.001	0.098	2.262
4/30/2011 21:20	17400.001	0.107	2.258
4/30/2011 21:30	18000.001	0.1	2.261
4/30/2011 21:40	18600.001	0.104	2.259
4/30/2011 21:50	19200.001	0.111	2.256
4/30/2011 22:00	19800.001	0.113	2.255
4/30/2011 22:10	20400.001	0.111	2.256
4/30/2011 22:20	21000.001	0.113	2.255
4/30/2011 22:30	21600.001	0.11	2.257
4/30/2011 22:40	22200.001	0.11	2.257
4/30/2011 22:50	22800.001	0.108	2.257
4/30/2011 23:00	23400.001	0.105	2.259
4/30/2011 23:10	24000.001	0.108	2.258
4/30/2011 23:20	24600.001	0.104	2.259
4/30/2011 23:30	25200.001	0.11	2.257
4/30/2011 23:40	25800.001	0.106	2.259
4/30/2011 23:50	26400.001	0.105	2.259
5/1/2011 0:00	27000.001	0.107	2.258
5/1/2011 0:10	27600.001	0.111	2.256
5/1/2011 0:20	28200.001	0.108	2.257
5/1/2011 0:30	28800.001	0.108	2.258
5/1/2011 0:40	29400.001	0.105	2.259
5/1/2011 0:50	30000.001	0.107	2.258
5/1/2011 1:00	30600.001	0.106	2.258
5/1/2011 1:10	31200.001	0.111	2.256
5/1/2011 1:20	31800.001	0.107	2.258
5/1/2011 1:30	32400.001	0.106	2.259
5/1/2011 1:40	33000.001	0.098	2.262
5/1/2011 1:50	33600.001	0.093	2.264

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
5/1/2011 2:00	34200.001	0.093	2.264
5/1/2011 2:10	34800.001	0.097	2.262
5/1/2011 2:20	35400.001	0.097	2.262
5/1/2011 2:30	36000.001	0.083	2.269
5/1/2011 2:40	36600.001	0.082	2.269
5/1/2011 2:50	37200.001	0.066	2.276
5/1/2011 3:00	37800.001	0.062	2.277
5/1/2011 3:10	38400.001	0.062	2.278
5/1/2011 3:20	39000.001	0.069	2.275
5/1/2011 3:30	39600.001	0.077	2.271
5/1/2011 3:40	40200.001	0.082	2.269
5/1/2011 3:50	40800.001	0.078	2.27
5/1/2011 4:00	41400.001	0.077	2.271
5/1/2011 4:10	42000.001	0.071	2.273
5/1/2011 4:20	42600.001	0.071	2.274
5/1/2011 4:30	43200.001	0.07	2.274
5/1/2011 4:40	43800.001	0.072	2.273
5/1/2011 4:50	44400.001	0.073	2.273
5/1/2011 5:00	45000.001	0.071	2.274
5/1/2011 5:10	45600.001	0.076	2.272
5/1/2011 5:20	46200.001	0.083	2.269
5/1/2011 5:30	46800.001	0.087	2.267
5/1/2011 5:40	47400.001	0.091	2.265
5/1/2011 5:50	48000.001	0.09	2.265
5/1/2011 6:00	48600.001	0.094	2.264
5/1/2011 6:10	49200.001	0.1	2.261
5/1/2011 6:20	49800.001	0.107	2.258
5/1/2011 6:30	50400.001	0.107	2.258
5/1/2011 6:40	51000.001	0.107	2.258
5/1/2011 6:50	51600.001	0.114	2.255
5/1/2011 7:00	52200.001	0.12	2.253
5/1/2011 7:10	52800.001	0.118	2.253
5/1/2011 7:20	53400.001	0.119	2.253
5/1/2011 7:30	54000.001	0.118	2.253
5/1/2011 7:40	54600.001	0.111	2.256
5/1/2011 7:50	55200.001	0.114	2.255
5/1/2011 8:00	55800.001	0.108	2.258
5/1/2011 8:10	56400.001	0.094	2.264
5/1/2011 8:20	57000.001	0.102	2.26
5/1/2011 8:30	57600.001	0.1	2.261
5/1/2011 8:40	58200.001	0.096	2.263
5/1/2011 8:50	58800.001	0.099	2.262
5/1/2011 9:00	59400.001	0.091	2.265
5/1/2011 9:10	60000.001	0.095	2.263
5/1/2011 9:20	60600.001	0.1	2.261
5/1/2011 9:30	61200.001	0.103	2.26
5/1/2011 9:40	61800.001	0.113	2.255
5/1/2011 9:50	62400.001	0.112	2.256
5/1/2011 10:00	63000.001	0.111	2.256
5/1/2011 10:10	63600.001	0.104	2.259

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
5/1/2011 10:20	64200.001	0.112	2.256
5/1/2011 10:30	64800.001	0.113	2.256
5/1/2011 10:40	65400.001	0.109	2.257
5/1/2011 10:50	66000.001	0.115	2.254
5/1/2011 11:00	66600.001	0.113	2.255
5/1/2011 11:10	67200.001	0.122	2.251
5/1/2011 11:20	67800.001	0.118	2.253
5/1/2011 11:30	68400.001	0.119	2.253
5/1/2011 11:40	69000.001	0.116	2.254
5/1/2011 11:50	69600.001	0.12	2.252
5/1/2011 12:00	70200.001	0.11	2.257
5/1/2011 12:10	70800.001	0.102	2.26
5/1/2011 12:20	71400.001	0.097	2.262
5/1/2011 12:30	72000.001	0.087	2.267
5/1/2011 12:40	72600.001	0.093	2.264
5/1/2011 12:50	73200.001	0.089	2.266
5/1/2011 13:00	73800.001	0.095	2.263
5/1/2011 13:10	74400.001	0.091	2.265
5/1/2011 13:20	75000.001	0.089	2.266
5/1/2011 13:30	75600.001	0.083	2.269
5/1/2011 13:40	76200.001	0.083	2.269
5/1/2011 13:50	76800.001	0.091	2.265
5/1/2011 14:00	77400.001	0.096	2.263
5/1/2011 14:10	78000.001	0.099	2.262
5/1/2011 14:20	78600.001	0.094	2.264
5/1/2011 14:30	79200.001	0.097	2.263
5/1/2011 14:40	79800.001	0.1	2.261
5/1/2011 14:50	80400.001	0.101	2.261
5/1/2011 15:00	81000.001	0.103	2.26
5/1/2011 15:10	81600.001	0.104	2.259
5/1/2011 15:20	82200.001	0.096	2.263
5/1/2011 15:30	82800.001	0.092	2.265
5/1/2011 15:40	83400.001	0.083	2.268
5/1/2011 15:50	84000.001	0.084	2.268
5/1/2011 16:00	84600.001	0.081	2.269
5/1/2011 16:10	85200.001	0.079	2.27
5/1/2011 16:20	85800.001	0.083	2.268
5/1/2011 16:30	86400.001	0.08	2.27
5/1/2011 16:40	87000.001	0.077	2.271
5/1/2011 16:50	87600.001	0.083	2.268
5/1/2011 17:00	88200.001	0.075	2.272
5/1/2011 17:10	88800.001	0.086	2.267
5/1/2011 17:20	89400.001	0.083	2.269
5/1/2011 17:30	90000.001	0.083	2.268
5/1/2011 17:40	90600.001	0.087	2.267
5/1/2011 17:50	91200.001	0.09	2.266
5/1/2011 18:00	91800.001	0.083	2.268
5/1/2011 18:10	92400.001	0.089	2.266
5/1/2011 18:20	93000.001	0.097	2.262
5/1/2011 18:30	93600.001	0.097	2.263

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
5/1/2011 18:40	94200.001	0.094	2.264
5/1/2011 18:50	94800.001	0.099	2.262
5/1/2011 19:00	95400.001	0.102	2.26
5/1/2011 19:10	96000.001	0.104	2.259
5/1/2011 19:20	96600.001	0.106	2.259
5/1/2011 19:30	97200.001	0.105	2.259
5/1/2011 19:40	97800.001	0.106	2.259
5/1/2011 19:50	98400.001	0.107	2.258
5/1/2011 20:00	99000.001	0.11	2.257
5/1/2011 20:10	99600.001	0.117	2.254
5/1/2011 20:20	100200.001	0.119	2.253
5/1/2011 20:30	100800.001	0.123	2.251
5/1/2011 20:40	101400.001	0.125	2.25
5/1/2011 20:50	102000.001	0.128	2.249
5/1/2011 21:00	102600.001	0.131	2.248
5/1/2011 21:10	103200.001	0.133	2.247
5/1/2011 21:20	103800.001	0.136	2.245
5/1/2011 21:30	104400.001	0.139	2.244
5/1/2011 21:40	105000.001	0.146	2.241
5/1/2011 21:50	105600.001	0.148	2.24
5/1/2011 22:00	106200.001	0.146	2.241
5/1/2011 22:10	106800.001	0.146	2.241
5/1/2011 22:20	107400.001	0.149	2.24
5/1/2011 22:30	108000.001	0.149	2.24
5/1/2011 22:40	108600.001	0.146	2.241
5/1/2011 22:50	109200.001	0.145	2.242
5/1/2011 23:00	109800.001	0.145	2.242
5/1/2011 23:10	110400.001	0.147	2.241
5/1/2011 23:20	111000.001	0.146	2.241
5/1/2011 23:30	111600.001	0.148	2.24
5/1/2011 23:40	112200.001	0.146	2.241
5/1/2011 23:50	112800.001	0.145	2.242
5/2/2011 0:00	113400.001	0.142	2.243
5/2/2011 0:10	114000.001	0.143	2.242
5/2/2011 0:20	114600.001	0.144	2.242
5/2/2011 0:30	115200.001	0.147	2.241
5/2/2011 0:40	115800.001	0.146	2.241
5/2/2011 0:50	116400.001	0.148	2.24
5/2/2011 1:00	117000.001	0.148	2.24
5/2/2011 1:10	117600.001	0.147	2.241
5/2/2011 1:20	118200.001	0.146	2.241
5/2/2011 1:30	118800.001	0.144	2.242
5/2/2011 1:40	119400.001	0.143	2.242
5/2/2011 1:50	120000.001	0.143	2.242
5/2/2011 2:00	120600.001	0.14	2.244
5/2/2011 2:10	121200.001	0.137	2.245
5/2/2011 2:20	121800.001	0.131	2.247
5/2/2011 2:30	122400.001	0.131	2.248
5/2/2011 2:40	123000.001	0.132	2.247
5/2/2011 2:50	123600.001	0.131	2.248

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
5/2/2011 3:00	124200.001	0.131	2.248
5/2/2011 3:10	124800.001	0.13	2.248
5/2/2011 3:20	125400.001	0.132	2.247
5/2/2011 3:30	126000.001	0.137	2.245
5/2/2011 3:40	126600.001	0.144	2.242
5/2/2011 3:50	127200.001	0.149	2.24
5/2/2011 4:00	127800.001	0.153	2.238
5/2/2011 4:10	128400.001	0.155	2.237
5/2/2011 4:20	129000.001	0.156	2.237
5/2/2011 4:30	129600.001	0.158	2.236
5/2/2011 4:40	130200.001	0.16	2.235
5/2/2011 4:50	130800.001	0.16	2.235
5/2/2011 5:00	131400.001	0.157	2.236
5/2/2011 5:10	132000.001	0.157	2.236
5/2/2011 5:20	132600.001	0.162	2.234
5/2/2011 5:30	133200.001	0.161	2.235
5/2/2011 5:40	133800.001	0.158	2.236
5/2/2011 5:50	134400.001	0.157	2.237
5/2/2011 6:00	135000.001	0.152	2.238
5/2/2011 6:10	135600.001	0.152	2.238
5/2/2011 6:20	136200.001	0.148	2.24
5/2/2011 6:30	136800.001	0.146	2.241
5/2/2011 6:40	137400.001	0.152	2.238
5/2/2011 6:50	138000.001	0.154	2.238
5/2/2011 7:00	138600.001	0.156	2.237
5/2/2011 7:10	139200.001	0.167	2.232
5/2/2011 7:20	139800.001	0.169	2.231
5/2/2011 7:30	140400.001	0.179	2.227
5/2/2011 7:40	141000.001	0.183	2.225
5/2/2011 7:50	141600.001	0.183	2.225
5/2/2011 8:00	142200.001	0.181	2.226
5/2/2011 8:10	142800.001	0.182	2.226
5/2/2011 8:20	143400.001	0.188	2.223
5/2/2011 8:30	144000.001	0.185	2.224
5/2/2011 8:40	144600.001	0.192	2.221
5/2/2011 8:50	145200.001	0.193	2.221
5/2/2011 9:00	145800.001	0.19	2.222
5/2/2011 9:10	146400.001	0.188	2.223
5/2/2011 9:20	147000.001	0.19	2.222
5/2/2011 9:30	147600.001	0.192	2.221
5/2/2011 9:40	148200.001	0.192	2.221
5/2/2011 9:50	148800.001	0.194	2.22
5/2/2011 10:00	149400.001	0.189	2.223
5/2/2011 10:10	150000.001	0.184	2.225
5/2/2011 10:20	150600.001	0.18	2.226
5/2/2011 10:30	151200.001	0.178	2.227
5/2/2011 10:40	151800.001	0.179	2.227
5/2/2011 10:50	152400.001	0.173	2.23
5/2/2011 11:00	153000.001	0.176	2.228
5/2/2011 11:10	153600.001	0.17	2.231

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
5/2/2011 11:20	154200.001	0.174	2.229
5/2/2011 11:30	154800.001	0.169	2.231
5/2/2011 11:40	155400.001	0.168	2.232
5/2/2011 11:50	156000.001	0.165	2.233
5/2/2011 12:00	156600.001	0.163	2.234
5/2/2011 12:10	157200.001	0.161	2.234
5/2/2011 12:20	157800.001	0.162	2.234
5/2/2011 12:30	158400.001	0.161	2.235
5/2/2011 12:40	159000.001	0.153	2.238
5/2/2011 12:50	159600.001	0.153	2.238
5/2/2011 13:00	160200.001	0.15	2.239
5/2/2011 13:10	160800.001	0.154	2.238
5/2/2011 13:20	161400.001	0.147	2.241
5/2/2011 13:30	162000.001	0.149	2.24
5/2/2011 13:40	162600.001	0.142	2.243
5/2/2011 13:50	163200.001	0.143	2.242
5/2/2011 14:00	163800.001	0.14	2.244
5/2/2011 14:10	164400.001	0.14	2.244
5/2/2011 14:20	165000.001	0.135	2.246
5/2/2011 14:30	165600.001	0.14	2.244
5/2/2011 14:40	166200.001	0.135	2.246
5/2/2011 14:50	166800.001	0.132	2.247
5/2/2011 15:00	167400.001	0.124	2.251
5/2/2011 15:10	168000.001	0.128	2.249
5/2/2011 15:20	168600.001	0.13	2.248
5/2/2011 15:30	169200.001	0.12	2.252
5/2/2011 15:40	169800.001	0.111	2.256
5/2/2011 15:50	170400.001	0.119	2.253
5/2/2011 16:00	171000.001	0.118	2.253
5/2/2011 16:10	171600.001	0.121	2.252
5/2/2011 16:20	172200.001	0.12	2.252
5/2/2011 16:30	172800.001	0.12	2.252
5/2/2011 16:30	172810.001	0.12	2.252
5/2/2011 16:30	172820.001	0.121	2.252
5/2/2011 16:30	172830.001	0.121	2.252
5/2/2011 16:30	172840.001	0.12	2.252
5/2/2011 16:30	172850.001	0.121	2.252
5/2/2011 16:31	172860.001	0.12	2.252
5/2/2011 16:31	172870.001	0.121	2.252
5/2/2011 16:31	172880.001	0.12	2.252
5/2/2011 16:31	172890.001	0.12	2.252
5/2/2011 16:31	172900.001	0.119	2.253
5/2/2011 16:31	172910.001	0.119	2.253
5/2/2011 16:32	172920.001	0.119	2.253
5/2/2011 16:32	172930.001	0.12	2.252
5/2/2011 16:32	172940.001	0.12	2.252
5/2/2011 16:32	172950.001	0.119	2.253
5/2/2011 16:32	172960.001	0.119	2.253
5/2/2011 16:32	172970.001	0.118	2.253
5/2/2011 16:33	172980.001	0.119	2.253

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
5/2/2011 16:33	172990.001	0.119	2.253
5/2/2011 16:33	173000.001	0.118	2.253
5/2/2011 16:33	173010.001	0.118	2.253
5/2/2011 16:33	173020.001	0.121	2.252
5/2/2011 16:33	173030.001	0.119	2.253
5/2/2011 16:34	173040.001	0.12	2.253
5/2/2011 16:34	173050.001	0.12	2.252
5/2/2011 16:34	173060.001	0.121	2.252
5/2/2011 16:34	173070.001	0.12	2.252
5/2/2011 16:34	173080.001	0.12	2.253
5/2/2011 16:34	173090.001	0.119	2.253
5/2/2011 16:35	173100.001	0.12	2.253
5/2/2011 16:35	173110.001	0.119	2.253
5/2/2011 16:35	173120.001	0.12	2.253
5/2/2011 16:35	173130.001	0.121	2.252
5/2/2011 16:35	173140.001	0.119	2.253
5/2/2011 16:35	173150.001	0.12	2.253
5/2/2011 16:36	173160.001	0.118	2.253
5/2/2011 16:36	173170.001	0.12	2.252
5/2/2011 16:36	173180.001	0.12	2.253
5/2/2011 16:36	173190.001	0.12	2.253
5/2/2011 16:36	173200.001	0.119	2.253
5/2/2011 16:36	173210.001	0.12	2.253
5/2/2011 16:37	173220.001	0.12	2.253
5/2/2011 16:37	173230.001	0.122	2.251
5/2/2011 16:37	173240.001	0.121	2.252
5/2/2011 16:37	173250.001	0.121	2.252
5/2/2011 16:37	173260.001	0.12	2.253
5/2/2011 16:37	173270.001	0.12	2.253
5/2/2011 16:38	173280.001	0.12	2.252
5/2/2011 16:38	173290.001	0.118	2.253
5/2/2011 16:38	173300.001	0.12	2.253
5/2/2011 16:38	173310.001	0.119	2.253
5/2/2011 16:38	173320.001	0.118	2.253
5/2/2011 16:38	173330.001	0.119	2.253
5/2/2011 16:39	173340.001	0.119	2.253
5/2/2011 16:39	173350.001	0.118	2.253
5/2/2011 16:39	173360.001	0.118	2.253
5/2/2011 16:39	173370.001	0.118	2.253
5/2/2011 16:39	173380.001	0.118	2.253
5/2/2011 16:39	173390.001	0.119	2.253
5/2/2011 16:40	173400.001	0.118	2.253
5/2/2011 16:41	173500.001	0.121	2.252
5/2/2011 16:43	173600.001	0.122	2.252
5/2/2011 16:45	173700.001	0.122	2.252
5/2/2011 16:46	173800.001	0.12	2.252
5/2/2011 16:48	173900.001	0.119	2.253
5/2/2011 16:50	174000.001	0.122	2.251
5/2/2011 16:51	174100.001	0.121	2.252
5/2/2011 16:53	174200.001	0.124	2.251

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
5/2/2011 16:55	174300.001	0.121	2.252
5/2/2011 16:56	174400.001	0.121	2.252
5/2/2011 16:58	174500.001	0.122	2.251
5/2/2011 17:00	174600.001	0.122	2.252
5/2/2011 17:01	174700.001	0.126	2.25
5/2/2011 17:03	174800.001	0.12	2.252
5/2/2011 17:05	174900.001	0.116	2.254
5/2/2011 17:06	175000.001	0.119	2.253
5/2/2011 17:08	175100.001	0.121	2.252
5/2/2011 17:10	175200.001	0.118	2.253
5/2/2011 17:11	175300.001	0.12	2.253
5/2/2011 17:13	175400.001	0.12	2.252
5/2/2011 17:15	175500.001	0.122	2.252
5/2/2011 17:16	175600.001	0.121	2.252
5/2/2011 17:18	175700.001	0.122	2.252
5/2/2011 17:20	175800.001	0.121	2.252
5/2/2011 17:21	175900.001	0.123	2.251
5/2/2011 17:23	176000.001	0.124	2.251
5/2/2011 17:25	176100.001	0.121	2.252
5/2/2011 17:26	176200.001	0.123	2.251
5/2/2011 17:28	176300.001	0.124	2.251
5/2/2011 17:30	176400.001	0.126	2.25
5/2/2011 17:31	176500.001	0.124	2.251
5/2/2011 17:33	176600.001	0.12	2.253
5/2/2011 17:35	176700.001	0.123	2.251
5/2/2011 17:36	176800.001	0.123	2.251
5/2/2011 17:38	176900.001	0.124	2.251
5/2/2011 17:40	177000.001	0.122	2.252
5/2/2011 17:41	177100.001	0.124	2.251
5/2/2011 17:43	177200.001	0.123	2.251
5/2/2011 17:45	177300.001	0.125	2.25
5/2/2011 17:46	177400.001	0.125	2.25
5/2/2011 17:48	177500.001	0.125	2.25
5/2/2011 17:50	177600.001	0.126	2.25
5/2/2011 17:51	177700.001	0.124	2.25
5/2/2011 17:53	177800.001	0.123	2.251
5/2/2011 17:55	177900.001	0.122	2.252
5/2/2011 17:56	178000.001	0.123	2.251
5/2/2011 17:58	178100.001	0.123	2.251
5/2/2011 18:00	178200.001	0.122	2.252
5/2/2011 18:01	178300.001	0.121	2.252
5/2/2011 18:03	178400.001	0.124	2.251
5/2/2011 18:05	178500.001	0.121	2.252
5/2/2011 18:06	178600.001	0.122	2.251
5/2/2011 18:08	178700.001	0.124	2.251
5/2/2011 18:10	178800.001	0.118	2.253
5/2/2011 18:26	179800.001	0.122	2.252
5/2/2011 18:43	180800.001	0.117	2.254
5/2/2011 19:00	181800.001	0.118	2.253
5/2/2011 19:16	182800.001	0.117	2.254

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
5/2/2011 19:33	183800.001	0.115	2.255
5/2/2011 19:50	184800.001	0.114	2.255
5/2/2011 20:06	185800.001	0.111	2.256
5/2/2011 20:23	186800.001	0.113	2.256
5/2/2011 20:40	187800.001	0.115	2.254
5/2/2011 20:56	188800.001	0.121	2.252
5/2/2011 21:13	189800.001	0.129	2.249
5/2/2011 21:30	190800.001	0.128	2.249
5/2/2011 21:46	191800.001	0.127	2.249
5/2/2011 22:03	192800.001	0.127	2.249
5/2/2011 22:20	193800.001	0.13	2.248
5/2/2011 22:36	194800.001	0.126	2.25
5/2/2011 22:53	195800.001	0.125	2.25
5/2/2011 23:10	196800.001	0.121	2.252
5/2/2011 23:26	197800.001	0.116	2.254
5/2/2011 23:43	198800.001	0.113	2.256
5/3/2011 0:00	199800.001	0.11	2.257
5/3/2011 0:16	200800.001	0.115	2.254
5/3/2011 0:33	201800.001	0.108	2.257
5/3/2011 0:50	202800.001	0.106	2.259
5/3/2011 1:06	203800.001	0.109	2.257
5/3/2011 1:23	204800.001	0.109	2.257
5/3/2011 1:40	205800.001	0.109	2.257
5/3/2011 1:56	206800.001	0.1	2.261
5/3/2011 2:13	207800.001	0.092	2.264
5/3/2011 2:30	208800.001	0.092	2.264
5/3/2011 2:46	209800.001	0.09	2.265
5/3/2011 3:03	210800.001	0.087	2.267
5/3/2011 3:20	211800.001	0.089	2.266
5/3/2011 3:36	212800.001	0.088	2.266
5/3/2011 3:53	213800.001	0.087	2.267
5/3/2011 4:10	214800.001	0.09	2.265
5/3/2011 4:26	215800.001	0.088	2.266
5/3/2011 4:43	216800.001	0.083	2.268
5/3/2011 5:00	217800.001	0.078	2.271
5/3/2011 5:16	218800.001	0.08	2.27
5/3/2011 5:33	219800.001	0.075	2.272
5/3/2011 5:50	220800.001	0.073	2.273
5/3/2011 6:06	221800.001	0.073	2.273
5/3/2011 6:23	222800.001	0.071	2.274
5/3/2011 6:40	223800.001	0.076	2.272
5/3/2011 6:56	224800.001	0.081	2.269
5/3/2011 7:13	225800.001	0.083	2.268
5/3/2011 7:30	226800.001	0.087	2.267
5/3/2011 7:46	227800.001	0.091	2.265
5/3/2011 8:03	228800.001	0.09	2.266
5/3/2011 8:20	229800.001	0.093	2.264
5/3/2011 8:36	230800.001	0.088	2.266
5/3/2011 8:53	231800.001	0.084	2.268
5/3/2011 9:10	232800.001	0.086	2.267

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
5/3/2011 11:56	242760.001	0.055	2.281
5/3/2011 14:42	252720.001	0.027	2.292
5/3/2011 17:28	262680.001	0.011	2.3
5/3/2011 20:14	272640.001	0.02	2.296
5/3/2011 23:00	282600.001	0.038	2.288
5/4/2011 1:46	292560.001	0.024	2.294
5/4/2011 4:32	302520.001	-0.018	2.312
5/4/2011 7:18	312480.001	-0.007	2.307
5/4/2011 10:04	322440.001	-0.026	2.316
5/4/2011 12:50	332400.001	-0.047	2.325
5/4/2011 15:36	342360.001	-0.067	2.333
5/4/2011 18:22	352320.001	0.001	2.304
5/4/2011 21:08	362280.001	0.037	2.288
5/4/2011 23:54	372240.001	0.006	2.302
5/5/2011 2:40	382200.001	-0.006	2.307
5/5/2011 5:26	392160.001	-0.027	2.316
5/5/2011 8:12	402120.001	-0.018	2.312
5/5/2011 10:58	412080.001	-0.027	2.316
5/5/2011 13:44	422040.001	-0.075	2.337
5/5/2011 16:30	432000.001	-0.077	2.338
5/5/2011 19:16	441960.001	-0.08	2.339
5/5/2011 22:02	451920.001	-0.057	2.329
5/6/2011 0:48	461880.001	-0.074	2.337
5/6/2011 3:34	471840.001	-0.1	2.348
5/6/2011 6:20	481800.001	-0.109	2.351
5/6/2011 9:06	491760.001	-0.117	2.355
5/6/2011 11:52	501720.001	-0.133	2.362
5/6/2011 14:38	511680.001	-0.142	2.366
5/6/2011 17:24	521640.001	-0.114	2.354
5/6/2011 20:10	531600.001	-0.067	2.333
5/6/2011 22:56	541560.001	-0.072	2.335
5/7/2011 1:42	551520.001	-0.111	2.352
5/7/2011 4:28	561480.001	-0.083	2.34
5/7/2011 7:14	571440.001	-0.088	2.343
5/7/2011 10:00	581400.001	-0.077	2.338
5/7/2011 12:46	591360.001	-0.114	2.354
5/7/2011 15:32	601320.001	-0.134	2.362
5/7/2011 15:32	601330.001	-0.135	2.363
5/7/2011 15:32	601340.001	-0.136	2.363
5/7/2011 15:32	601350.001	-0.137	2.364
5/7/2011 15:32	601360.001	-0.137	2.364
5/7/2011 15:32	601370.001	-0.138	2.364
5/7/2011 15:33	601380.001	-0.137	2.364
5/7/2011 15:33	601390.001	-0.137	2.364
5/7/2011 15:33	601400.001	-0.138	2.364
5/7/2011 15:33	601410.001	-0.137	2.364
5/7/2011 15:33	601420.001	-0.136	2.363
5/7/2011 15:33	601430.001	-0.135	2.363
5/7/2011 15:34	601440.001	-0.134	2.362
5/7/2011 15:34	601450.001	-0.137	2.364

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
5/7/2011 15:34	601460.001	-0.134	2.363
5/7/2011 15:34	601470.001	-0.135	2.363
5/7/2011 15:34	601480.001	-0.136	2.363
5/7/2011 15:34	601490.001	-0.136	2.363
5/7/2011 15:35	601500.001	-0.138	2.364
5/7/2011 15:35	601510.001	-0.138	2.364
5/7/2011 15:35	601520.001	-0.138	2.364
5/7/2011 15:35	601530.001	-0.136	2.363
5/7/2011 15:35	601540.001	-0.136	2.363
5/7/2011 15:35	601550.001	-0.138	2.364
5/7/2011 15:36	601560.001	-0.139	2.364
5/7/2011 15:36	601570.001	-0.139	2.365
5/7/2011 15:36	601580.001	-0.139	2.365
5/7/2011 15:36	601590.001	-0.136	2.363
5/7/2011 15:36	601600.001	-0.135	2.363
5/7/2011 15:36	601610.001	-0.135	2.363
5/7/2011 15:37	601620.001	-0.135	2.363
5/7/2011 15:37	601630.001	-0.135	2.363
5/7/2011 15:37	601640.001	-0.134	2.362
5/7/2011 15:37	601650.001	-0.137	2.364
5/7/2011 15:37	601660.001	-0.135	2.363
5/7/2011 15:37	601670.001	-0.136	2.363
5/7/2011 15:38	601680.001	-0.137	2.364
5/7/2011 15:38	601690.001	-0.137	2.364
5/7/2011 15:38	601700.001	-0.138	2.364
5/7/2011 15:38	601710.001	-0.137	2.364
5/7/2011 15:38	601720.001	-0.135	2.363
5/7/2011 15:38	601730.001	-0.135	2.363
5/7/2011 15:39	601740.001	-0.139	2.365
5/7/2011 15:39	601750.001	-0.137	2.364
5/7/2011 15:39	601760.001	-0.139	2.365
5/7/2011 15:39	601770.001	-0.137	2.364
5/7/2011 15:39	601780.001	-0.136	2.363
5/7/2011 15:39	601790.001	-0.135	2.363
5/7/2011 15:40	601800.001	-0.137	2.364
5/7/2011 15:40	601810.001	-0.138	2.364
5/7/2011 15:40	601820.001	-0.137	2.364
5/7/2011 15:40	601830.001	-0.136	2.363
5/7/2011 15:40	601840.001	-0.137	2.364
5/7/2011 15:40	601850.001	-0.137	2.364
5/7/2011 15:41	601860.001	-0.139	2.365
5/7/2011 15:41	601870.001	-0.139	2.365
5/7/2011 15:41	601880.001	-0.138	2.364
5/7/2011 15:41	601890.001	-0.138	2.364
5/7/2011 15:41	601900.001	-0.137	2.364
5/7/2011 15:41	601910.001	-0.139	2.365
5/7/2011 15:42	601920.001	-0.137	2.364
5/7/2011 15:43	602020.001	-0.14	2.365
5/7/2011 15:45	602120.001	-0.141	2.365
5/7/2011 15:47	602220.001	-0.139	2.365

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
5/7/2011 15:48	602320.001	-0.14	2.365
5/7/2011 15:50	602420.001	-0.143	2.366
5/7/2011 15:52	602520.001	-0.141	2.366
5/7/2011 15:53	602620.001	-0.143	2.366
5/7/2011 15:55	602720.001	-0.144	2.367
5/7/2011 15:57	602820.001	-0.144	2.367
5/7/2011 15:58	602920.001	-0.145	2.367
5/7/2011 16:00	603020.001	-0.143	2.366
5/7/2011 16:02	603120.001	-0.148	2.369
5/7/2011 16:03	603220.001	-0.144	2.367
5/7/2011 16:05	603320.001	-0.143	2.366
5/7/2011 16:07	603420.001	-0.146	2.367
5/7/2011 16:08	603520.001	-0.143	2.366
5/7/2011 16:10	603620.001	-0.144	2.367
5/7/2011 16:12	603720.001	-0.144	2.367
5/7/2011 16:13	603820.001	-0.142	2.366
5/7/2011 16:15	603920.001	-0.14	2.365
5/7/2011 16:17	604020.001	-0.143	2.366
5/7/2011 16:18	604120.001	-0.141	2.365
5/7/2011 16:20	604220.001	-0.145	2.367
5/7/2011 16:22	604320.001	-0.142	2.366
5/7/2011 16:23	604420.001	-0.144	2.367
5/7/2011 16:25	604520.001	-0.143	2.366
5/7/2011 16:27	604620.001	-0.146	2.368
5/7/2011 16:28	604720.001	-0.148	2.368
5/7/2011 16:30	604820.001	-0.146	2.368
5/7/2011 16:32	604920.001	-0.146	2.368
5/7/2011 16:33	605020.001	-0.146	2.368
5/7/2011 16:35	605120.001	-0.146	2.368
5/7/2011 16:37	605220.001	-0.142	2.366
5/7/2011 16:38	605320.001	-0.143	2.366
5/7/2011 16:40	605420.001	-0.144	2.367
5/7/2011 16:42	605520.001	-0.143	2.366
5/7/2011 16:43	605620.001	-0.143	2.366
5/7/2011 16:45	605720.001	-0.142	2.366
5/7/2011 16:47	605820.001	-0.138	2.364
5/7/2011 16:48	605920.001	-0.138	2.364
5/7/2011 16:50	606020.001	-0.137	2.364
5/7/2011 16:52	606120.001	-0.139	2.364
5/7/2011 16:53	606220.001	-0.136	2.363
5/7/2011 16:55	606320.001	-0.135	2.363
5/7/2011 16:57	606420.001	-0.134	2.363
5/7/2011 16:58	606520.001	-0.135	2.363
5/7/2011 17:00	606620.001	-0.133	2.362
5/7/2011 17:02	606720.001	-0.137	2.364
5/7/2011 17:03	606820.001	-0.133	2.362
5/7/2011 17:05	606920.001	-0.134	2.362
5/7/2011 17:07	607020.001	-0.133	2.362
5/7/2011 17:08	607120.001	-0.131	2.361
5/7/2011 17:10	607220.001	-0.13	2.361

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
5/7/2011 17:12	607320.001	-0.129	2.36
5/7/2011 17:28	608320.001	-0.128	2.36
5/7/2011 17:45	609320.001	-0.118	2.356
5/7/2011 18:02	610320.001	-0.118	2.356
5/7/2011 18:18	611320.001	-0.113	2.353
5/7/2011 18:35	612320.001	-0.109	2.352
5/7/2011 18:52	613320.001	-0.108	2.351
5/7/2011 19:08	614320.001	-0.104	2.349
5/7/2011 19:25	615320.001	-0.103	2.349
5/7/2011 19:42	616320.001	-0.1	2.348
5/7/2011 19:58	617320.001	-0.095	2.346
5/7/2011 20:15	618320.001	-0.096	2.346
5/7/2011 20:32	619320.001	-0.097	2.346
5/7/2011 20:48	620320.001	-0.098	2.347
5/7/2011 21:05	621320.001	-0.095	2.346
5/7/2011 21:22	622320.001	-0.087	2.342
5/7/2011 21:38	623320.001	-0.084	2.341
5/7/2011 21:55	624320.001	-0.082	2.34
5/7/2011 22:12	625320.001	-0.081	2.339
5/7/2011 22:28	626320.001	-0.081	2.339
5/7/2011 22:45	627320.001	-0.085	2.341
5/7/2011 23:02	628320.001	-0.09	2.344
5/7/2011 23:18	629320.001	-0.094	2.345
5/7/2011 23:35	630320.001	-0.093	2.345
5/7/2011 23:52	631320.001	-0.099	2.347
5/8/2011 0:08	632320.001	-0.093	2.345
5/8/2011 0:25	633320.001	-0.096	2.346
5/8/2011 0:42	634320.001	-0.086	2.342
5/8/2011 0:58	635320.001	-0.085	2.341
5/8/2011 1:15	636320.001	-0.086	2.342
5/8/2011 1:32	637320.001	-0.082	2.34
5/8/2011 1:48	638320.001	-0.088	2.343
5/8/2011 2:05	639320.001	-0.087	2.342
5/8/2011 2:22	640320.001	-0.086	2.342
5/8/2011 2:38	641320.001	-0.087	2.342
5/8/2011 2:55	642320.001	-0.091	2.344
5/8/2011 3:12	643320.001	-0.094	2.345
5/8/2011 3:28	644320.001	-0.089	2.343
5/8/2011 3:45	645320.001	-0.087	2.342
5/8/2011 4:02	646320.001	-0.075	2.337
5/8/2011 4:18	647320.001	-0.072	2.335
5/8/2011 4:35	648320.001	-0.072	2.336
5/8/2011 4:52	649320.001	-0.07	2.335
5/8/2011 5:08	650320.001	-0.073	2.336
5/8/2011 5:25	651320.001	-0.067	2.333
5/8/2011 5:42	652320.001	-0.078	2.338
5/8/2011 5:58	653320.001	-0.085	2.341
5/8/2011 6:15	654320.001	-0.076	2.337
5/8/2011 6:32	655320.001	-0.079	2.338
5/8/2011 6:48	656320.001	-0.082	2.34

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 122809 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 122809 Pressure (PSI)
5/8/2011 7:05	657320.001	-0.075	2.337
5/8/2011 7:22	658320.001	-0.072	2.336
5/8/2011 7:38	659320.001	-0.075	2.337
5/8/2011 7:55	660320.001	-0.084	2.341
5/8/2011 8:12	661320.001	-0.082	2.34
5/8/2011 10:58	671280.001	-0.071	2.335
5/8/2011 13:44	681240.001	-0.094	2.345
5/8/2011 16:30	691200.001	-0.074	2.336
5/8/2011 19:16	701160.001	-0.071	2.335
5/8/2011 22:02	711120.001	-0.031	2.318
5/9/2011 0:48	721080.001	-0.038	2.321
5/9/2011 3:34	731040.001	-0.045	2.324
5/9/2011 6:20	741000.001	-0.029	2.317
5/9/2011 9:06	750960.001	-0.002	2.305
5/9/2011 11:52	760920.001	-0.019	2.313
5/9/2011 14:38	770880.001	-0.015	2.311
5/9/2011 17:24	780840.001	-0.017	2.312
5/9/2011 20:10	790800.001	0.005	2.302
5/9/2011 22:56	800760.001	0.028	2.292
5/10/2011 1:42	810720.001	0.017	2.297
5/10/2011 4:28	820680.001	0.035	2.289
5/10/2011 7:14	830640.001	0.067	2.276
5/10/2011 10:00	840600.001	0.089	2.266
5/10/2011 12:46	850560.001	0.052	2.282
5/10/2011 15:32	860520.001	0.031	2.291
5/10/2011 18:18	870480.001	0.042	2.286
5/10/2011 21:04	880440.001	0.059	2.279
5/10/2011 23:50	890400.001	0.075	2.272
5/11/2011 2:36	900360.001	0.061	2.278
5/11/2011 5:22	910320.001	0.062	2.277
5/11/2011 8:08	920280.001	0.081	2.269
5/11/2011 10:54	930240.001	0.066	2.276
5/11/2011 13:40	940200.001	0.059	2.279
5/11/2011 16:26	950160.001	0.032	2.29
5/11/2011 19:12	960120.001	0.071	2.273
5/11/2011 21:58	970080.001	0.081	2.269
5/12/2011 0:44	980040.001	0.067	2.275
5/12/2011 3:30	990000.001	0.077	2.271
5/12/2011 6:16	999960.001	0.078	2.271
5/12/2011 9:02	1009920.001	0.112	2.256
5/12/2011 11:48	1019880.001	0.088	2.266
5/12/2011 14:34	1029840.001	0.065	2.276

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Report Date:	5/16/2011 9:31
Report User Nam	jgadt
Report Computer	KS-FIELD2-LTP
Application:	WinSitu.exe
Application Versic	5.6.21.0

Log File Properties

File Name	MW6D_043011_FST_2011-05-12_17-59-10-484.wsl
Create Date	5/12/2011 17:58

Device Properties

Device	Level TROLL 700				
Site	MW-6D				
Device Name					
Serial Number		163722			
Firmware Version		2.08			
Hardware Versior		3			
Device Address		1			
Device Comm Cfg		19200	8	Even	1
Used Memory		6			
Used Battery		10			

Log Configuration

	Log Name	MW6D_043011_FST
	Created By	jgadt
	Computer Name	KS-FIELD2-LTP
	Application	WinSitu.exe
	Application Version	5.6.21.0
	Create Date	4/30/2011 3:47:49 PM Central Daylight Time
	Log Setup Time Zone	Central Daylight Time
	Notes Size(bytes)	4096
	Overwrite when full	Disabled
	Scheduled Start Time	4/30/2011 4:30:00 PM Central Daylight Time
	Scheduled Stop Time	5/12/2011 4:30:00 PM Central Daylight Time
	Type	Step Test
Steps	9 (Linear)	
	Step	1
	Duration	Days: 2 hrs: 00 mins: 00 secs: 00
	Interval	Days: 0 hrs: 00 mins: 10 secs: 00
	Step	2
	Duration	Days: 0 hrs: 00 mins: 10 secs: 00
	Interval	Days: 0 hrs: 00 mins: 00 secs: 10
	Step	3
	Duration	Days: 0 hrs: 01 mins: 30 secs: 00
	Interval	Days: 0 hrs: 00 mins: 01 secs: 40
	Step	4
	Duration	Days: 0 hrs: 15 mins: 00 secs: 00

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Interval	Days: 0 hrs: 00 mins: 16 secs: 40
Step	5
Duration	Days: 4 hrs: 07 mins: 20 secs: 00
Interval	Days: 0 hrs: 02 mins: 46 secs: 00
Step	6
Duration	Days: 0 hrs: 00 mins: 10 secs: 00
Interval	Days: 0 hrs: 00 mins: 00 secs: 10
Step	7
Duration	Days: 0 hrs: 01 mins: 30 secs: 00
Interval	Days: 0 hrs: 00 mins: 01 secs: 40
Step	8
Duration	Days: 0 hrs: 15 mins: 00 secs: 00
Interval	Days: 0 hrs: 00 mins: 16 secs: 40
Step	9
Duration	Days: 4 hrs: 07 mins: 20 secs: 00
Interval	Days: 0 hrs: 02 mins: 46 secs: 00

Level Reference Settings At Log Creation

Level Measurement Mode	Level Depth To Water
Specific Gravity	0.999
Level Reference Mode:	Set new reference
Level Reference Value:	0 (ft)
Level Reference Head Pressure	2.66737 (PSI)

Other Log Settings

Depth of Probe:	6.15614 (ft)
Head Pressure:	2.66619 (PSI)
Temperature:	12.5474 (C)

Log Notes:

Date and Time	Note
4/30/2011 15:47	Used Battery: 10% Used Memory: 7% User Name: jgadt

Log Data:

Record Count	699		
Sensors	1		
	1	163722	Pressure/Temp 15 PSIG (11m/35ft)

Time Zone: Central Daylight Time

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
4/30/2011 16:30	0	-0.008	2.671
4/30/2011 16:40	600.001	0.036	2.652
4/30/2011 16:50	1200.001	0.065	2.639
4/30/2011 17:00	1800.001	0.07	2.637
4/30/2011 17:10	2400.001	0.074	2.635
4/30/2011 17:20	3000.001	0.072	2.636
4/30/2011 17:30	3600.001	0.072	2.636
4/30/2011 17:40	4200.001	0.075	2.635
4/30/2011 17:50	4800.001	0.073	2.636
4/30/2011 18:00	5400.001	0.082	2.632
4/30/2011 18:10	6000.001	0.084	2.631
4/30/2011 18:20	6600.001	0.086	2.63
4/30/2011 18:30	7200.001	0.087	2.629
4/30/2011 18:40	7800.001	0.094	2.627
4/30/2011 18:50	8400.001	0.096	2.626
4/30/2011 19:00	9000.001	0.099	2.625
4/30/2011 19:10	9600.001	0.106	2.622
4/30/2011 19:20	10200.001	0.109	2.62
4/30/2011 19:30	10800.001	0.114	2.618
4/30/2011 19:40	11400.001	0.113	2.618
4/30/2011 19:50	12000.001	0.121	2.615
4/30/2011 20:00	12600.001	0.122	2.615
4/30/2011 20:10	13200.001	0.124	2.614
4/30/2011 20:20	13800.001	0.129	2.612
4/30/2011 20:30	14400.001	0.133	2.61
4/30/2011 20:40	15000.001	0.141	2.606
4/30/2011 20:50	15600.001	0.143	2.605
4/30/2011 21:00	16200.001	0.147	2.604
4/30/2011 21:10	16800.001	0.152	2.601
4/30/2011 21:20	17400.001	0.156	2.6
4/30/2011 21:30	18000.001	0.157	2.599
4/30/2011 21:40	18600.001	0.168	2.595
4/30/2011 21:50	19200.001	0.171	2.593
4/30/2011 22:00	19800.001	0.174	2.592
4/30/2011 22:10	20400.001	0.179	2.59
4/30/2011 22:20	21000.001	0.181	2.589
4/30/2011 22:30	21600.001	0.184	2.588
4/30/2011 22:40	22200.001	0.189	2.585
4/30/2011 22:50	22800.001	0.194	2.583
4/30/2011 23:00	23400.001	0.192	2.584
4/30/2011 23:10	24000.001	0.191	2.585
4/30/2011 23:20	24600.001	0.193	2.584
4/30/2011 23:30	25200.001	0.195	2.583
4/30/2011 23:40	25800.001	0.2	2.581
4/30/2011 23:50	26400.001	0.202	2.58

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
5/1/2011 0:00	27000.001	0.202	2.58
5/1/2011 0:10	27600.001	0.2	2.581
5/1/2011 0:20	28200.001	0.201	2.58
5/1/2011 0:30	28800.001	0.205	2.579
5/1/2011 0:40	29400.001	0.204	2.579
5/1/2011 0:50	30000.001	0.201	2.58
5/1/2011 1:00	30600.001	0.204	2.579
5/1/2011 1:10	31200.001	0.207	2.578
5/1/2011 1:20	31800.001	0.205	2.578
5/1/2011 1:30	32400.001	0.204	2.579
5/1/2011 1:40	33000.001	0.207	2.578
5/1/2011 1:50	33600.001	0.203	2.579
5/1/2011 2:00	34200.001	0.199	2.581
5/1/2011 2:10	34800.001	0.2	2.581
5/1/2011 2:20	35400.001	0.198	2.582
5/1/2011 2:30	36000.001	0.194	2.583
5/1/2011 2:40	36600.001	0.191	2.585
5/1/2011 2:50	37200.001	0.184	2.588
5/1/2011 3:00	37800.001	0.178	2.59
5/1/2011 3:10	38400.001	0.174	2.592
5/1/2011 3:20	39000.001	0.173	2.592
5/1/2011 3:30	39600.001	0.174	2.592
5/1/2011 3:40	40200.001	0.173	2.592
5/1/2011 3:50	40800.001	0.169	2.594
5/1/2011 4:00	41400.001	0.167	2.595
5/1/2011 4:10	42000.001	0.161	2.598
5/1/2011 4:20	42600.001	0.159	2.599
5/1/2011 4:30	43200.001	0.156	2.6
5/1/2011 4:40	43800.001	0.155	2.6
5/1/2011 4:50	44400.001	0.15	2.602
5/1/2011 5:00	45000.001	0.15	2.602
5/1/2011 5:10	45600.001	0.147	2.604
5/1/2011 5:20	46200.001	0.147	2.603
5/1/2011 5:30	46800.001	0.148	2.603
5/1/2011 5:40	47400.001	0.149	2.603
5/1/2011 5:50	48000.001	0.148	2.603
5/1/2011 6:00	48600.001	0.15	2.602
5/1/2011 6:10	49200.001	0.149	2.603
5/1/2011 6:20	49800.001	0.151	2.602
5/1/2011 6:30	50400.001	0.154	2.601
5/1/2011 6:40	51000.001	0.155	2.6
5/1/2011 6:50	51600.001	0.156	2.6
5/1/2011 7:00	52200.001	0.158	2.599
5/1/2011 7:10	52800.001	0.16	2.598
5/1/2011 7:20	53400.001	0.162	2.597

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
5/1/2011 7:30	54000.001	0.164	2.596
5/1/2011 7:40	54600.001	0.16	2.598
5/1/2011 7:50	55200.001	0.162	2.597
5/1/2011 8:00	55800.001	0.164	2.596
5/1/2011 8:10	56400.001	0.164	2.596
5/1/2011 8:20	57000.001	0.161	2.598
5/1/2011 8:30	57600.001	0.16	2.598
5/1/2011 8:40	58200.001	0.158	2.599
5/1/2011 8:50	58800.001	0.159	2.598
5/1/2011 9:00	59400.001	0.153	2.601
5/1/2011 9:10	60000.001	0.153	2.601
5/1/2011 9:20	60600.001	0.154	2.601
5/1/2011 9:30	61200.001	0.154	2.601
5/1/2011 9:40	61800.001	0.155	2.6
5/1/2011 9:50	62400.001	0.159	2.598
5/1/2011 10:00	63000.001	0.158	2.599
5/1/2011 10:10	63600.001	0.156	2.6
5/1/2011 10:20	64200.001	0.159	2.598
5/1/2011 10:30	64800.001	0.16	2.598
5/1/2011 10:40	65400.001	0.161	2.598
5/1/2011 10:50	66000.001	0.171	2.593
5/1/2011 11:00	66600.001	0.169	2.594
5/1/2011 11:10	67200.001	0.175	2.591
5/1/2011 11:20	67800.001	0.186	2.587
5/1/2011 11:30	68400.001	0.184	2.588
5/1/2011 11:40	69000.001	0.188	2.586
5/1/2011 11:50	69600.001	0.19	2.585
5/1/2011 12:00	70200.001	0.192	2.584
5/1/2011 12:10	70800.001	0.191	2.584
5/1/2011 12:20	71400.001	0.19	2.585
5/1/2011 12:30	72000.001	0.185	2.587
5/1/2011 12:40	72600.001	0.19	2.585
5/1/2011 12:50	73200.001	0.191	2.584
5/1/2011 13:00	73800.001	0.191	2.584
5/1/2011 13:10	74400.001	0.192	2.584
5/1/2011 13:20	75000.001	0.188	2.586
5/1/2011 13:30	75600.001	0.183	2.588
5/1/2011 13:40	76200.001	0.184	2.588
5/1/2011 13:50	76800.001	0.182	2.589
5/1/2011 14:00	77400.001	0.183	2.588
5/1/2011 14:10	78000.001	0.184	2.588
5/1/2011 14:20	78600.001	0.185	2.587
5/1/2011 14:30	79200.001	0.182	2.588
5/1/2011 14:40	79800.001	0.184	2.588
5/1/2011 14:50	80400.001	0.178	2.59

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
5/1/2011 15:00	81000.001	0.184	2.588
5/1/2011 15:10	81600.001	0.181	2.589
5/1/2011 15:20	82200.001	0.177	2.591
5/1/2011 15:30	82800.001	0.178	2.59
5/1/2011 15:40	83400.001	0.172	2.593
5/1/2011 15:50	84000.001	0.172	2.593
5/1/2011 16:00	84600.001	0.169	2.594
5/1/2011 16:10	85200.001	0.169	2.594
5/1/2011 16:20	85800.001	0.164	2.596
5/1/2011 16:30	86400.001	0.162	2.597
5/1/2011 16:40	87000.001	0.153	2.601
5/1/2011 16:50	87600.001	0.158	2.599
5/1/2011 17:00	88200.001	0.154	2.601
5/1/2011 17:10	88800.001	0.151	2.602
5/1/2011 17:20	89400.001	0.15	2.603
5/1/2011 17:30	90000.001	0.15	2.602
5/1/2011 17:40	90600.001	0.148	2.603
5/1/2011 17:50	91200.001	0.15	2.602
5/1/2011 18:00	91800.001	0.146	2.604
5/1/2011 18:10	92400.001	0.147	2.604
5/1/2011 18:20	93000.001	0.149	2.603
5/1/2011 18:30	93600.001	0.149	2.603
5/1/2011 18:40	94200.001	0.149	2.603
5/1/2011 18:50	94800.001	0.15	2.602
5/1/2011 19:00	95400.001	0.148	2.603
5/1/2011 19:10	96000.001	0.149	2.603
5/1/2011 19:20	96600.001	0.151	2.602
5/1/2011 19:30	97200.001	0.147	2.604
5/1/2011 19:40	97800.001	0.159	2.599
5/1/2011 19:50	98400.001	0.157	2.599
5/1/2011 20:00	99000.001	0.157	2.599
5/1/2011 20:10	99600.001	0.157	2.599
5/1/2011 20:20	100200.001	0.161	2.598
5/1/2011 20:30	100800.001	0.164	2.596
5/1/2011 20:40	101400.001	0.165	2.596
5/1/2011 20:50	102000.001	0.167	2.595
5/1/2011 21:00	102600.001	0.168	2.595
5/1/2011 21:10	103200.001	0.172	2.593
5/1/2011 21:20	103800.001	0.17	2.594
5/1/2011 21:30	104400.001	0.174	2.592
5/1/2011 21:40	105000.001	0.177	2.591
5/1/2011 21:50	105600.001	0.182	2.589
5/1/2011 22:00	106200.001	0.185	2.587
5/1/2011 22:10	106800.001	0.189	2.586
5/1/2011 22:20	107400.001	0.19	2.585

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
5/1/2011 22:30	108000.001	0.193	2.584
5/1/2011 22:40	108600.001	0.196	2.583
5/1/2011 22:50	109200.001	0.198	2.582
5/1/2011 23:00	109800.001	0.2	2.581
5/1/2011 23:10	110400.001	0.201	2.58
5/1/2011 23:20	111000.001	0.204	2.579
5/1/2011 23:30	111600.001	0.204	2.579
5/1/2011 23:40	112200.001	0.206	2.578
5/1/2011 23:50	112800.001	0.204	2.579
5/2/2011 0:00	113400.001	0.205	2.578
5/2/2011 0:10	114000.001	0.207	2.578
5/2/2011 0:20	114600.001	0.208	2.577
5/2/2011 0:30	115200.001	0.208	2.577
5/2/2011 0:40	115800.001	0.208	2.577
5/2/2011 0:50	116400.001	0.211	2.576
5/2/2011 1:00	117000.001	0.211	2.576
5/2/2011 1:10	117600.001	0.211	2.576
5/2/2011 1:20	118200.001	0.207	2.578
5/2/2011 1:30	118800.001	0.204	2.579
5/2/2011 1:40	119400.001	0.201	2.58
5/2/2011 1:50	120000.001	0.196	2.583
5/2/2011 2:00	120600.001	0.191	2.585
5/2/2011 2:10	121200.001	0.186	2.587
5/2/2011 2:20	121800.001	0.18	2.59
5/2/2011 2:30	122400.001	0.176	2.591
5/2/2011 2:40	123000.001	0.172	2.593
5/2/2011 2:50	123600.001	0.167	2.595
5/2/2011 3:00	124200.001	0.163	2.597
5/2/2011 3:10	124800.001	0.161	2.598
5/2/2011 3:20	125400.001	0.157	2.599
5/2/2011 3:30	126000.001	0.153	2.601
5/2/2011 3:40	126600.001	0.154	2.601
5/2/2011 3:50	127200.001	0.154	2.601
5/2/2011 4:00	127800.001	0.155	2.6
5/2/2011 4:10	128400.001	0.152	2.602
5/2/2011 4:20	129000.001	0.151	2.602
5/2/2011 4:30	129600.001	0.155	2.6
5/2/2011 4:40	130200.001	0.155	2.6
5/2/2011 4:50	130800.001	0.157	2.599
5/2/2011 5:00	131400.001	0.158	2.599
5/2/2011 5:10	132000.001	0.157	2.6
5/2/2011 5:20	132600.001	0.155	2.6
5/2/2011 5:30	133200.001	0.155	2.6
5/2/2011 5:40	133800.001	0.157	2.599
5/2/2011 5:50	134400.001	0.155	2.6

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
5/2/2011 6:00	135000.001	0.155	2.6
5/2/2011 6:10	135600.001	0.156	2.6
5/2/2011 6:20	136200.001	0.154	2.601
5/2/2011 6:30	136800.001	0.154	2.601
5/2/2011 6:40	137400.001	0.155	2.6
5/2/2011 6:50	138000.001	0.148	2.603
5/2/2011 7:00	138600.001	0.158	2.599
5/2/2011 7:10	139200.001	0.159	2.598
5/2/2011 7:20	139800.001	0.162	2.597
5/2/2011 7:30	140400.001	0.167	2.595
5/2/2011 7:40	141000.001	0.174	2.592
5/2/2011 7:50	141600.001	0.18	2.589
5/2/2011 8:00	142200.001	0.189	2.586
5/2/2011 8:10	142800.001	0.192	2.584
5/2/2011 8:20	143400.001	0.197	2.582
5/2/2011 8:30	144000.001	0.205	2.579
5/2/2011 8:40	144600.001	0.216	2.574
5/2/2011 8:50	145200.001	0.22	2.572
5/2/2011 9:00	145800.001	0.227	2.569
5/2/2011 9:10	146400.001	0.229	2.568
5/2/2011 9:20	147000.001	0.234	2.566
5/2/2011 9:30	147600.001	0.24	2.563
5/2/2011 9:40	148200.001	0.244	2.562
5/2/2011 9:50	148800.001	0.251	2.559
5/2/2011 10:00	149400.001	0.248	2.56
5/2/2011 10:10	150000.001	0.254	2.557
5/2/2011 10:20	150600.001	0.257	2.556
5/2/2011 10:30	151200.001	0.256	2.556
5/2/2011 10:40	151800.001	0.259	2.555
5/2/2011 10:50	152400.001	0.257	2.556
5/2/2011 11:00	153000.001	0.257	2.556
5/2/2011 11:10	153600.001	0.258	2.556
5/2/2011 11:20	154200.001	0.262	2.554
5/2/2011 11:30	154800.001	0.258	2.556
5/2/2011 11:40	155400.001	0.259	2.555
5/2/2011 11:50	156000.001	0.258	2.555
5/2/2011 12:00	156600.001	0.254	2.557
5/2/2011 12:10	157200.001	0.257	2.556
5/2/2011 12:20	157800.001	0.255	2.557
5/2/2011 12:30	158400.001	0.252	2.558
5/2/2011 12:40	159000.001	0.25	2.559
5/2/2011 12:50	159600.001	0.248	2.56
5/2/2011 13:00	160200.001	0.244	2.562
5/2/2011 13:10	160800.001	0.242	2.563
5/2/2011 13:20	161400.001	0.241	2.563

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
5/2/2011 13:30	162000.001	0.238	2.564
5/2/2011 13:40	162600.001	0.234	2.566
5/2/2011 13:50	163200.001	0.231	2.568
5/2/2011 14:00	163800.001	0.229	2.568
5/2/2011 14:10	164400.001	0.225	2.57
5/2/2011 14:20	165000.001	0.223	2.571
5/2/2011 14:30	165600.001	0.221	2.572
5/2/2011 14:40	166200.001	0.217	2.573
5/2/2011 14:50	166800.001	0.215	2.574
5/2/2011 15:00	167400.001	0.208	2.577
5/2/2011 15:10	168000.001	0.207	2.578
5/2/2011 15:20	168600.001	0.204	2.579
5/2/2011 15:30	169200.001	0.198	2.582
5/2/2011 15:40	169800.001	0.193	2.584
5/2/2011 15:50	170400.001	0.188	2.586
5/2/2011 16:00	171000.001	0.184	2.588
5/2/2011 16:10	171600.001	0.181	2.589
5/2/2011 16:20	172200.001	0.181	2.589
5/2/2011 16:30	172800.001	0.18	2.589
5/2/2011 16:30	172810.001	0.179	2.59
5/2/2011 16:30	172820.001	0.179	2.59
5/2/2011 16:30	172830.001	0.177	2.591
5/2/2011 16:30	172840.001	0.18	2.589
5/2/2011 16:30	172850.001	0.179	2.59
5/2/2011 16:31	172860.001	0.177	2.591
5/2/2011 16:31	172870.001	0.179	2.59
5/2/2011 16:31	172880.001	0.177	2.591
5/2/2011 16:31	172890.001	0.178	2.59
5/2/2011 16:31	172900.001	0.178	2.59
5/2/2011 16:31	172910.001	0.176	2.591
5/2/2011 16:32	172920.001	0.177	2.591
5/2/2011 16:32	172930.001	0.174	2.592
5/2/2011 16:32	172940.001	0.176	2.591
5/2/2011 16:32	172950.001	0.174	2.592
5/2/2011 16:32	172960.001	0.172	2.593
5/2/2011 16:32	172970.001	0.171	2.593
5/2/2011 16:33	172980.001	0.17	2.594
5/2/2011 16:33	172990.001	0.171	2.593
5/2/2011 16:33	173000.001	0.168	2.594
5/2/2011 16:33	173010.001	0.168	2.595
5/2/2011 16:33	173020.001	0.166	2.595
5/2/2011 16:33	173030.001	0.164	2.596
5/2/2011 16:34	173040.001	0.163	2.597
5/2/2011 16:34	173050.001	0.161	2.597
5/2/2011 16:34	173060.001	0.16	2.598

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
5/2/2011 16:34	173070.001	0.157	2.599
5/2/2011 16:34	173080.001	0.158	2.599
5/2/2011 16:34	173090.001	0.156	2.6
5/2/2011 16:35	173100.001	0.155	2.6
5/2/2011 16:35	173110.001	0.154	2.601
5/2/2011 16:35	173120.001	0.153	2.601
5/2/2011 16:35	173130.001	0.152	2.602
5/2/2011 16:35	173140.001	0.151	2.602
5/2/2011 16:35	173150.001	0.146	2.604
5/2/2011 16:36	173160.001	0.146	2.604
5/2/2011 16:36	173170.001	0.145	2.604
5/2/2011 16:36	173180.001	0.143	2.605
5/2/2011 16:36	173190.001	0.142	2.606
5/2/2011 16:36	173200.001	0.141	2.606
5/2/2011 16:36	173210.001	0.141	2.606
5/2/2011 16:37	173220.001	0.14	2.607
5/2/2011 16:37	173230.001	0.138	2.608
5/2/2011 16:37	173240.001	0.136	2.608
5/2/2011 16:37	173250.001	0.134	2.609
5/2/2011 16:37	173260.001	0.133	2.61
5/2/2011 16:37	173270.001	0.135	2.609
5/2/2011 16:38	173280.001	0.133	2.61
5/2/2011 16:38	173290.001	0.132	2.61
5/2/2011 16:38	173300.001	0.133	2.61
5/2/2011 16:38	173310.001	0.131	2.611
5/2/2011 16:38	173320.001	0.13	2.611
5/2/2011 16:38	173330.001	0.133	2.61
5/2/2011 16:39	173340.001	0.13	2.611
5/2/2011 16:39	173350.001	0.129	2.612
5/2/2011 16:39	173360.001	0.126	2.613
5/2/2011 16:39	173370.001	0.126	2.613
5/2/2011 16:39	173380.001	0.125	2.613
5/2/2011 16:39	173390.001	0.125	2.613
5/2/2011 16:40	173400.001	0.124	2.613
5/2/2011 16:41	173500.001	0.118	2.616
5/2/2011 16:43	173600.001	0.111	2.619
5/2/2011 16:45	173700.001	0.109	2.62
5/2/2011 16:46	173800.001	0.106	2.622
5/2/2011 16:48	173900.001	0.101	2.624
5/2/2011 16:50	174000.001	0.099	2.625
5/2/2011 16:51	174100.001	0.097	2.625
5/2/2011 16:53	174200.001	0.097	2.625
5/2/2011 16:55	174300.001	0.096	2.626
5/2/2011 16:56	174400.001	0.095	2.626
5/2/2011 16:58	174500.001	0.096	2.626

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
5/2/2011 17:00	174600.001	0.095	2.626
5/2/2011 17:01	174700.001	0.094	2.627
5/2/2011 17:03	174800.001	0.093	2.627
5/2/2011 17:05	174900.001	0.092	2.628
5/2/2011 17:06	175000.001	0.094	2.627
5/2/2011 17:08	175100.001	0.093	2.627
5/2/2011 17:10	175200.001	0.091	2.628
5/2/2011 17:11	175300.001	0.091	2.628
5/2/2011 17:13	175400.001	0.09	2.628
5/2/2011 17:15	175500.001	0.089	2.629
5/2/2011 17:16	175600.001	0.09	2.628
5/2/2011 17:18	175700.001	0.09	2.628
5/2/2011 17:20	175800.001	0.091	2.628
5/2/2011 17:21	175900.001	0.09	2.629
5/2/2011 17:23	176000.001	0.088	2.629
5/2/2011 17:25	176100.001	0.09	2.628
5/2/2011 17:26	176200.001	0.09	2.628
5/2/2011 17:28	176300.001	0.087	2.63
5/2/2011 17:30	176400.001	0.091	2.628
5/2/2011 17:31	176500.001	0.089	2.629
5/2/2011 17:33	176600.001	0.09	2.628
5/2/2011 17:35	176700.001	0.09	2.628
5/2/2011 17:36	176800.001	0.09	2.628
5/2/2011 17:38	176900.001	0.088	2.629
5/2/2011 17:40	177000.001	0.09	2.629
5/2/2011 17:41	177100.001	0.088	2.629
5/2/2011 17:43	177200.001	0.086	2.63
5/2/2011 17:45	177300.001	0.089	2.629
5/2/2011 17:46	177400.001	0.09	2.628
5/2/2011 17:48	177500.001	0.089	2.629
5/2/2011 17:50	177600.001	0.088	2.629
5/2/2011 17:51	177700.001	0.088	2.629
5/2/2011 17:53	177800.001	0.089	2.629
5/2/2011 17:55	177900.001	0.09	2.629
5/2/2011 17:56	178000.001	0.087	2.63
5/2/2011 17:58	178100.001	0.087	2.63
5/2/2011 18:00	178200.001	0.085	2.631
5/2/2011 18:01	178300.001	0.085	2.631
5/2/2011 18:03	178400.001	0.085	2.631
5/2/2011 18:05	178500.001	0.085	2.63
5/2/2011 18:06	178600.001	0.084	2.631
5/2/2011 18:08	178700.001	0.084	2.631
5/2/2011 18:10	178800.001	0.085	2.631
5/2/2011 18:26	179800.001	0.083	2.632
5/2/2011 18:43	180800.001	0.082	2.632

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
5/2/2011 19:00	181800.001	0.082	2.632
5/2/2011 19:16	182800.001	0.082	2.632
5/2/2011 19:33	183800.001	0.08	2.633
5/2/2011 19:50	184800.001	0.079	2.633
5/2/2011 20:06	185800.001	0.08	2.633
5/2/2011 20:23	186800.001	0.079	2.633
5/2/2011 20:40	187800.001	0.083	2.631
5/2/2011 20:56	188800.001	0.093	2.627
5/2/2011 21:13	189800.001	0.091	2.628
5/2/2011 21:30	190800.001	0.092	2.627
5/2/2011 21:46	191800.001	0.097	2.626
5/2/2011 22:03	192800.001	0.1	2.624
5/2/2011 22:20	193800.001	0.102	2.623
5/2/2011 22:36	194800.001	0.105	2.622
5/2/2011 22:53	195800.001	0.108	2.621
5/2/2011 23:10	196800.001	0.107	2.621
5/2/2011 23:26	197800.001	0.107	2.621
5/2/2011 23:43	198800.001	0.102	2.623
5/3/2011 0:00	199800.001	0.095	2.626
5/3/2011 0:16	200800.001	0.093	2.627
5/3/2011 0:33	201800.001	0.086	2.63
5/3/2011 0:50	202800.001	0.077	2.634
5/3/2011 1:06	203800.001	0.074	2.636
5/3/2011 1:23	204800.001	0.069	2.637
5/3/2011 1:40	205800.001	0.065	2.639
5/3/2011 1:56	206800.001	0.06	2.641
5/3/2011 2:13	207800.001	0.055	2.643
5/3/2011 2:30	208800.001	0.054	2.644
5/3/2011 2:46	209800.001	0.055	2.643
5/3/2011 3:03	210800.001	0.057	2.643
5/3/2011 3:20	211800.001	0.061	2.641
5/3/2011 3:36	212800.001	0.066	2.639
5/3/2011 3:53	213800.001	0.068	2.638
5/3/2011 4:10	214800.001	0.07	2.637
5/3/2011 4:26	215800.001	0.074	2.635
5/3/2011 4:43	216800.001	0.075	2.635
5/3/2011 5:00	217800.001	0.075	2.635
5/3/2011 5:16	218800.001	0.074	2.635
5/3/2011 5:33	219800.001	0.08	2.633
5/3/2011 5:50	220800.001	0.076	2.634
5/3/2011 6:06	221800.001	0.076	2.634
5/3/2011 6:23	222800.001	0.071	2.637
5/3/2011 6:40	223800.001	0.072	2.636
5/3/2011 6:56	224800.001	0.075	2.635
5/3/2011 7:13	225800.001	0.078	2.633

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
5/3/2011 7:30	226800.001	0.079	2.633
5/3/2011 7:46	227800.001	0.084	2.631
5/3/2011 8:03	228800.001	0.087	2.63
5/3/2011 8:20	229800.001	0.092	2.628
5/3/2011 8:36	230800.001	0.092	2.628
5/3/2011 8:53	231800.001	0.096	2.626
5/3/2011 9:10	232800.001	0.095	2.626
5/3/2011 11:56	242760.001	0.091	2.628
5/3/2011 14:42	252720.001	0.047	2.647
5/3/2011 17:28	262680.001	0.013	2.662
5/3/2011 20:14	272640.001	0.023	2.657
5/3/2011 23:00	282600.001	0.048	2.646
5/4/2011 1:46	292560.001	0.07	2.637
5/4/2011 4:32	302520.001	0.051	2.645
5/4/2011 7:18	312480.001	0.036	2.652
5/4/2011 10:04	322440.001	0.036	2.652
5/4/2011 12:50	332400.001	0.003	2.666
5/4/2011 15:36	342360.001	-0.052	2.69
5/4/2011 18:22	352320.001	-0.02	2.676
5/4/2011 21:08	362280.001	0.059	2.642
5/4/2011 23:54	372240.001	0.146	2.604
5/5/2011 2:40	382200.001	0.142	2.606
5/5/2011 5:26	392160.001	0.111	2.619
5/5/2011 8:12	402120.001	0.105	2.622
5/5/2011 10:58	412080.001	0.1	2.624
5/5/2011 13:44	422040.001	0.057	2.642
5/5/2011 16:30	432000.001	0.028	2.655
5/5/2011 19:16	441960.001	-0.002	2.668
5/5/2011 22:02	451920.001	0.008	2.664
5/6/2011 0:48	461880.001	0.006	2.665
5/6/2011 3:34	471840.001	-0.021	2.676
5/6/2011 6:20	481800.001	-0.048	2.688
5/6/2011 9:06	491760.001	-0.06	2.694
5/6/2011 11:52	501720.001	-0.095	2.709
5/6/2011 14:38	511680.001	-0.115	2.717
5/6/2011 17:24	521640.001	-0.109	2.715
5/6/2011 20:10	531600.001	-0.034	2.682
5/6/2011 22:56	541560.001	0.035	2.652
5/7/2011 1:42	551520.001	0.021	2.658
5/7/2011 4:28	561480.001	0.058	2.642
5/7/2011 7:14	571440.001	0.062	2.64
5/7/2011 10:00	581400.001	0.094	2.627
5/7/2011 12:46	591360.001	0.086	2.63
5/7/2011 15:32	601320.001	0.04	2.65
5/7/2011 15:32	601330.001	0.042	2.649

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
5/7/2011 15:32	601340.001	0.04	2.65
5/7/2011 15:32	601350.001	0.041	2.649
5/7/2011 15:32	601360.001	0.04	2.65
5/7/2011 15:32	601370.001	0.041	2.65
5/7/2011 15:33	601380.001	0.043	2.649
5/7/2011 15:33	601390.001	0.04	2.65
5/7/2011 15:33	601400.001	0.041	2.649
5/7/2011 15:33	601410.001	0.041	2.65
5/7/2011 15:33	601420.001	0.04	2.65
5/7/2011 15:33	601430.001	0.04	2.65
5/7/2011 15:34	601440.001	0.041	2.65
5/7/2011 15:34	601450.001	0.043	2.649
5/7/2011 15:34	601460.001	0.043	2.649
5/7/2011 15:34	601470.001	0.042	2.649
5/7/2011 15:34	601480.001	0.043	2.649
5/7/2011 15:34	601490.001	0.042	2.649
5/7/2011 15:35	601500.001	0.04	2.65
5/7/2011 15:35	601510.001	0.041	2.65
5/7/2011 15:35	601520.001	0.04	2.65
5/7/2011 15:35	601530.001	0.04	2.65
5/7/2011 15:35	601540.001	0.04	2.65
5/7/2011 15:35	601550.001	0.04	2.65
5/7/2011 15:36	601560.001	0.041	2.65
5/7/2011 15:36	601570.001	0.04	2.65
5/7/2011 15:36	601580.001	0.04	2.65
5/7/2011 15:36	601590.001	0.042	2.649
5/7/2011 15:36	601600.001	0.04	2.65
5/7/2011 15:36	601610.001	0.041	2.65
5/7/2011 15:37	601620.001	0.038	2.651
5/7/2011 15:37	601630.001	0.041	2.65
5/7/2011 15:37	601640.001	0.038	2.651
5/7/2011 15:37	601650.001	0.038	2.651
5/7/2011 15:37	601660.001	0.04	2.65
5/7/2011 15:37	601670.001	0.039	2.65
5/7/2011 15:38	601680.001	0.037	2.651
5/7/2011 15:38	601690.001	0.036	2.652
5/7/2011 15:38	601700.001	0.037	2.651
5/7/2011 15:38	601710.001	0.038	2.651
5/7/2011 15:38	601720.001	0.039	2.651
5/7/2011 15:38	601730.001	0.04	2.65
5/7/2011 15:39	601740.001	0.037	2.651
5/7/2011 15:39	601750.001	0.038	2.651
5/7/2011 15:39	601760.001	0.039	2.651
5/7/2011 15:39	601770.001	0.037	2.651
5/7/2011 15:39	601780.001	0.039	2.651

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
5/7/2011 15:39	601790.001	0.038	2.651
5/7/2011 15:40	601800.001	0.038	2.651
5/7/2011 15:40	601810.001	0.039	2.65
5/7/2011 15:40	601820.001	0.037	2.651
5/7/2011 15:40	601830.001	0.038	2.651
5/7/2011 15:40	601840.001	0.041	2.65
5/7/2011 15:40	601850.001	0.038	2.651
5/7/2011 15:41	601860.001	0.039	2.65
5/7/2011 15:41	601870.001	0.035	2.652
5/7/2011 15:41	601880.001	0.036	2.652
5/7/2011 15:41	601890.001	0.035	2.652
5/7/2011 15:41	601900.001	0.035	2.652
5/7/2011 15:41	601910.001	0.035	2.652
5/7/2011 15:42	601920.001	0.037	2.651
5/7/2011 15:43	602020.001	0.038	2.651
5/7/2011 15:45	602120.001	0.038	2.651
5/7/2011 15:47	602220.001	0.034	2.652
5/7/2011 15:48	602320.001	0.037	2.651
5/7/2011 15:50	602420.001	0.034	2.652
5/7/2011 15:52	602520.001	0.035	2.652
5/7/2011 15:53	602620.001	0.034	2.652
5/7/2011 15:55	602720.001	0.034	2.653
5/7/2011 15:57	602820.001	0.034	2.652
5/7/2011 15:58	602920.001	0.032	2.654
5/7/2011 16:00	603020.001	0.03	2.654
5/7/2011 16:02	603120.001	0.03	2.654
5/7/2011 16:03	603220.001	0.031	2.654
5/7/2011 16:05	603320.001	0.029	2.655
5/7/2011 16:07	603420.001	0.026	2.656
5/7/2011 16:08	603520.001	0.032	2.654
5/7/2011 16:10	603620.001	0.025	2.657
5/7/2011 16:12	603720.001	0.03	2.654
5/7/2011 16:13	603820.001	0.026	2.656
5/7/2011 16:15	603920.001	0.03	2.654
5/7/2011 16:17	604020.001	0.025	2.656
5/7/2011 16:18	604120.001	0.028	2.655
5/7/2011 16:20	604220.001	0.027	2.656
5/7/2011 16:22	604320.001	0.027	2.656
5/7/2011 16:23	604420.001	0.026	2.656
5/7/2011 16:25	604520.001	0.024	2.657
5/7/2011 16:27	604620.001	0.023	2.658
5/7/2011 16:28	604720.001	0.023	2.657
5/7/2011 16:30	604820.001	0.022	2.658
5/7/2011 16:32	604920.001	0.022	2.658
5/7/2011 16:33	605020.001	0.022	2.658

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
5/7/2011 16:35	605120.001	0.034	2.653
5/7/2011 16:37	605220.001	0.045	2.648
5/7/2011 16:38	605320.001	0.056	2.643
5/7/2011 16:40	605420.001	0.064	2.64
5/7/2011 16:42	605520.001	0.069	2.637
5/7/2011 16:43	605620.001	0.074	2.635
5/7/2011 16:45	605720.001	0.077	2.634
5/7/2011 16:47	605820.001	0.082	2.632
5/7/2011 16:48	605920.001	0.088	2.629
5/7/2011 16:50	606020.001	0.09	2.628
5/7/2011 16:52	606120.001	0.089	2.629
5/7/2011 16:53	606220.001	0.091	2.628
5/7/2011 16:55	606320.001	0.092	2.627
5/7/2011 16:57	606420.001	0.094	2.626
5/7/2011 16:58	606520.001	0.094	2.627
5/7/2011 17:00	606620.001	0.095	2.626
5/7/2011 17:02	606720.001	0.092	2.627
5/7/2011 17:03	606820.001	0.092	2.628
5/7/2011 17:05	606920.001	0.09	2.629
5/7/2011 17:07	607020.001	0.089	2.629
5/7/2011 17:08	607120.001	0.088	2.629
5/7/2011 17:10	607220.001	0.089	2.629
5/7/2011 17:12	607320.001	0.089	2.629
5/7/2011 17:28	608320.001	0.083	2.631
5/7/2011 17:45	609320.001	0.081	2.632
5/7/2011 18:02	610320.001	0.079	2.633
5/7/2011 18:18	611320.001	0.077	2.634
5/7/2011 18:35	612320.001	0.074	2.635
5/7/2011 18:52	613320.001	0.078	2.634
5/7/2011 19:08	614320.001	0.08	2.633
5/7/2011 19:25	615320.001	0.077	2.634
5/7/2011 19:42	616320.001	0.078	2.633
5/7/2011 19:58	617320.001	0.079	2.633
5/7/2011 20:15	618320.001	0.078	2.634
5/7/2011 20:32	619320.001	0.079	2.633
5/7/2011 20:48	620320.001	0.077	2.634
5/7/2011 21:05	621320.001	0.081	2.632
5/7/2011 21:22	622320.001	0.084	2.631
5/7/2011 21:38	623320.001	0.085	2.631
5/7/2011 21:55	624320.001	0.088	2.629
5/7/2011 22:12	625320.001	0.088	2.629
5/7/2011 22:28	626320.001	0.089	2.629
5/7/2011 22:45	627320.001	0.09	2.628
5/7/2011 23:02	628320.001	0.087	2.63
5/7/2011 23:18	629320.001	0.086	2.63

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
5/7/2011 23:35	630320.001	0.083	2.632
5/7/2011 23:52	631320.001	0.083	2.631
5/8/2011 0:08	632320.001	0.081	2.632
5/8/2011 0:25	633320.001	0.079	2.633
5/8/2011 0:42	634320.001	0.08	2.633
5/8/2011 0:58	635320.001	0.082	2.632
5/8/2011 1:15	636320.001	0.079	2.633
5/8/2011 1:32	637320.001	0.081	2.632
5/8/2011 1:48	638320.001	0.077	2.634
5/8/2011 2:05	639320.001	0.077	2.634
5/8/2011 2:22	640320.001	0.076	2.634
5/8/2011 2:38	641320.001	0.072	2.636
5/8/2011 2:55	642320.001	0.07	2.637
5/8/2011 3:12	643320.001	0.066	2.639
5/8/2011 3:28	644320.001	0.064	2.64
5/8/2011 3:45	645320.001	0.065	2.639
5/8/2011 4:02	646320.001	0.064	2.64
5/8/2011 4:18	647320.001	0.067	2.638
5/8/2011 4:35	648320.001	0.067	2.638
5/8/2011 4:52	649320.001	0.067	2.638
5/8/2011 5:08	650320.001	0.071	2.637
5/8/2011 5:25	651320.001	0.074	2.635
5/8/2011 5:42	652320.001	0.067	2.638
5/8/2011 5:58	653320.001	0.066	2.639
5/8/2011 6:15	654320.001	0.062	2.64
5/8/2011 6:32	655320.001	0.062	2.641
5/8/2011 6:48	656320.001	0.058	2.642
5/8/2011 7:05	657320.001	0.058	2.642
5/8/2011 7:22	658320.001	0.057	2.643
5/8/2011 7:38	659320.001	0.053	2.644
5/8/2011 7:55	660320.001	0.049	2.646
5/8/2011 8:12	661320.001	0.047	2.647
5/8/2011 10:58	671280.001	0.034	2.652
5/8/2011 13:44	681240.001	-0.006	2.67
5/8/2011 16:30	691200.001	-0.023	2.677
5/8/2011 19:16	701160.001	-0.024	2.678
5/8/2011 22:02	711120.001	0.005	2.665
5/9/2011 0:48	721080.001	0.015	2.661
5/9/2011 3:34	731040.001	0.011	2.663
5/9/2011 6:20	741000.001	0.023	2.657
5/9/2011 9:06	750960.001	0.055	2.644
5/9/2011 11:52	760920.001	0.101	2.624
5/9/2011 14:38	770880.001	0.083	2.631
5/9/2011 17:24	780840.001	0.57	2.421
5/9/2011 20:10	790800.001	0.886	2.284

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163722 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163722 Pressure (PSI)
5/9/2011 22:56	800760.001	0.948	2.257
5/10/2011 1:42	810720.001	0.941	2.26
5/10/2011 4:28	820680.001	0.947	2.257
5/10/2011 7:14	830640.001	1.023	2.224
5/10/2011 10:00	840600.001	1.099	2.191
5/10/2011 12:46	850560.001	0.954	2.254
5/10/2011 15:32	860520.001	1.042	2.216
5/10/2011 18:18	870480.001	1.074	2.202
5/10/2011 21:04	880440.001	1.081	2.199
5/10/2011 23:50	890400.001	1.118	2.183
5/11/2011 2:36	900360.001	1.122	2.182
5/11/2011 5:22	910320.001	1.146	2.171
5/11/2011 8:08	920280.001	1.173	2.159
5/11/2011 10:54	930240.001	1.116	2.184
5/11/2011 13:40	940200.001	0.459	2.469
5/11/2011 16:26	950160.001	0.223	2.571
5/11/2011 19:12	960120.001	0.256	2.556
5/11/2011 21:58	970080.001	0.229	2.568
5/12/2011 0:44	980040.001	0.199	2.581
5/12/2011 3:30	990000.001	0.182	2.588
5/12/2011 6:16	999960.001	0.195	2.583
5/12/2011 9:02	1009920.001	0.227	2.569
5/12/2011 11:48	1019880.001	0.227	2.569
5/12/2011 14:34	1029840.001	0.207	2.578

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Report Date:	5/16/2011 9:31
Report User Nam	jgadt
Report Computer	KS-FIELD2-LTP
Application:	WinSitu.exe
Application Versi	5.6.21.0

Log File Properties

File Name	MW6E_043011_FST_2011-05-12_17-56-59-468.wsl
Create Date	5/12/2011 17:56

Device Properties

Device	Level TROLL 700				
Site	MW-6E				
Device Name					
Serial Number		163893			
Firmware Version		2.08			
Hardware Versior		3			
Device Address		1			
Device Comm Cfg		19200	8	Even	1
Used Memory		4			
Used Battery		6			

Log Configuration

	Log Name	MW6E_043011_FST
	Created By	jgadt
	Computer Name	KS-FIELD2-LTP
	Application	WinSitu.exe
	Application Version	5.6.21.0
	Create Date	4/30/2011 3:50:58 PM Central Daylight Time
	Log Setup Time Zone	Central Daylight Time
	Notes Size(bytes)	4096
	Overwrite when full	Disabled
	Scheduled Start Time	4/30/2011 4:30:00 PM Central Daylight Time
	Scheduled Stop Time	5/12/2011 4:30:00 PM Central Daylight Time
	Type	Step Test
Steps	9 (Linear)	
	Step	1
	Duration	Days: 2 hrs: 00 mins: 00 secs: 00
	Interval	Days: 0 hrs: 00 mins: 10 secs: 00
	Step	2
	Duration	Days: 0 hrs: 00 mins: 10 secs: 00
	Interval	Days: 0 hrs: 00 mins: 00 secs: 10
	Step	3
	Duration	Days: 0 hrs: 01 mins: 30 secs: 00
	Interval	Days: 0 hrs: 00 mins: 01 secs: 40
	Step	4
	Duration	Days: 0 hrs: 15 mins: 00 secs: 00

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Interval	Days: 0 hrs: 00 mins: 16 secs: 40
Step	5
Duration	Days: 4 hrs: 07 mins: 20 secs: 00
Interval	Days: 0 hrs: 02 mins: 46 secs: 00
Step	6
Duration	Days: 0 hrs: 00 mins: 10 secs: 00
Interval	Days: 0 hrs: 00 mins: 00 secs: 10
Step	7
Duration	Days: 0 hrs: 01 mins: 30 secs: 00
Interval	Days: 0 hrs: 00 mins: 01 secs: 40
Step	8
Duration	Days: 0 hrs: 15 mins: 00 secs: 00
Interval	Days: 0 hrs: 00 mins: 16 secs: 40
Step	9
Duration	Days: 4 hrs: 07 mins: 20 secs: 00
Interval	Days: 0 hrs: 02 mins: 46 secs: 00

Level Reference Settings At Log Creation

Level Measurement Mode	Level Depth To Water
Specific Gravity	0.999
Level Reference Mode:	Set new reference
Level Reference Value:	0 (ft)
Level Reference Head Pressure	3.16628 (PSI)

Other Log Settings

Depth of Probe:	7.33473 (ft)
Head Pressure:	3.17663 (PSI)
Temperature:	12.571 (C)

Log Notes:

Date and Time	Note
4/30/2011 15:51	Used Battery: 6% Used Memory: 6% User Name: jgadt

Log Data:

Record Count	699		
Sensors	1		
	1	163893	Pressure/Temp 15 PSIG (11m/35ft)

Time Zone: Central Daylight Time

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Full System Test - MW-6E (background) Data File

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163893 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163893 Pressure (PSI)
4/30/2011 16:30	0	-0.015	3.173
4/30/2011 16:40	600.001	0.029	3.154
4/30/2011 16:50	1200.001	0.052	3.144
4/30/2011 17:00	1800.001	0.063	3.139
4/30/2011 17:10	2400.001	0.057	3.142
4/30/2011 17:20	3000.001	0.062	3.139
4/30/2011 17:30	3600.001	0.063	3.139
4/30/2011 17:40	4200.001	0.061	3.14
4/30/2011 17:50	4800.001	0.069	3.136
4/30/2011 18:00	5400.001	0.07	3.136
4/30/2011 18:10	6000.001	0.076	3.134
4/30/2011 18:20	6600.001	0.085	3.129
4/30/2011 18:30	7200.001	0.077	3.133
4/30/2011 18:40	7800.001	0.083	3.13
4/30/2011 18:50	8400.001	0.084	3.13
4/30/2011 19:00	9000.001	0.085	3.13
4/30/2011 19:10	9600.001	0.092	3.126
4/30/2011 19:20	10200.001	0.093	3.126
4/30/2011 19:30	10800.001	0.107	3.12
4/30/2011 19:40	11400.001	0.103	3.122
4/30/2011 19:50	12000.001	0.111	3.118
4/30/2011 20:00	12600.001	0.107	3.12
4/30/2011 20:10	13200.001	0.11	3.119
4/30/2011 20:20	13800.001	0.117	3.116
4/30/2011 20:30	14400.001	0.125	3.112
4/30/2011 20:40	15000.001	0.127	3.111
4/30/2011 20:50	15600.001	0.13	3.11
4/30/2011 21:00	16200.001	0.136	3.107
4/30/2011 21:10	16800.001	0.14	3.105
4/30/2011 21:20	17400.001	0.147	3.103
4/30/2011 21:30	18000.001	0.151	3.101
4/30/2011 21:40	18600.001	0.154	3.1
4/30/2011 21:50	19200.001	0.159	3.098
4/30/2011 22:00	19800.001	0.16	3.097
4/30/2011 22:10	20400.001	0.167	3.094
4/30/2011 22:20	21000.001	0.169	3.093
4/30/2011 22:30	21600.001	0.17	3.093
4/30/2011 22:40	22200.001	0.177	3.09
4/30/2011 22:50	22800.001	0.181	3.088
4/30/2011 23:00	23400.001	0.181	3.088
4/30/2011 23:10	24000.001	0.179	3.089
4/30/2011 23:20	24600.001	0.181	3.088
4/30/2011 23:30	25200.001	0.181	3.088
4/30/2011 23:40	25800.001	0.188	3.085
4/30/2011 23:50	26400.001	0.191	3.083

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163893 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163893 Pressure (PSI)
5/1/2011 0:00	27000.001	0.192	3.083
5/1/2011 0:10	27600.001	0.188	3.085
5/1/2011 0:20	28200.001	0.192	3.083
5/1/2011 0:30	28800.001	0.193	3.083
5/1/2011 0:40	29400.001	0.195	3.082
5/1/2011 0:50	30000.001	0.192	3.083
5/1/2011 1:00	30600.001	0.191	3.083
5/1/2011 1:10	31200.001	0.196	3.082
5/1/2011 1:20	31800.001	0.197	3.081
5/1/2011 1:30	32400.001	0.193	3.083
5/1/2011 1:40	33000.001	0.195	3.082
5/1/2011 1:50	33600.001	0.192	3.083
5/1/2011 2:00	34200.001	0.187	3.085
5/1/2011 2:10	34800.001	0.189	3.084
5/1/2011 2:20	35400.001	0.188	3.085
5/1/2011 2:30	36000.001	0.183	3.087
5/1/2011 2:40	36600.001	0.18	3.088
5/1/2011 2:50	37200.001	0.171	3.092
5/1/2011 3:00	37800.001	0.167	3.094
5/1/2011 3:10	38400.001	0.161	3.097
5/1/2011 3:20	39000.001	0.164	3.095
5/1/2011 3:30	39600.001	0.161	3.097
5/1/2011 3:40	40200.001	0.161	3.097
5/1/2011 3:50	40800.001	0.157	3.098
5/1/2011 4:00	41400.001	0.155	3.099
5/1/2011 4:10	42000.001	0.15	3.101
5/1/2011 4:20	42600.001	0.146	3.103
5/1/2011 4:30	43200.001	0.145	3.104
5/1/2011 4:40	43800.001	0.145	3.103
5/1/2011 4:50	44400.001	0.139	3.106
5/1/2011 5:00	45000.001	0.137	3.107
5/1/2011 5:10	45600.001	0.137	3.107
5/1/2011 5:20	46200.001	0.135	3.108
5/1/2011 5:30	46800.001	0.139	3.106
5/1/2011 5:40	47400.001	0.138	3.107
5/1/2011 5:50	48000.001	0.135	3.108
5/1/2011 6:00	48600.001	0.135	3.108
5/1/2011 6:10	49200.001	0.136	3.107
5/1/2011 6:20	49800.001	0.141	3.105
5/1/2011 6:30	50400.001	0.142	3.105
5/1/2011 6:40	51000.001	0.143	3.104
5/1/2011 6:50	51600.001	0.142	3.105
5/1/2011 7:00	52200.001	0.148	3.102
5/1/2011 7:10	52800.001	0.147	3.103
5/1/2011 7:20	53400.001	0.147	3.103

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163893 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163893 Pressure (PSI)
5/1/2011 7:30	54000.001	0.153	3.1
5/1/2011 7:40	54600.001	0.15	3.101
5/1/2011 7:50	55200.001	0.151	3.101
5/1/2011 8:00	55800.001	0.15	3.101
5/1/2011 8:10	56400.001	0.149	3.102
5/1/2011 8:20	57000.001	0.149	3.102
5/1/2011 8:30	57600.001	0.15	3.101
5/1/2011 8:40	58200.001	0.146	3.103
5/1/2011 8:50	58800.001	0.146	3.103
5/1/2011 9:00	59400.001	0.14	3.105
5/1/2011 9:10	60000.001	0.138	3.107
5/1/2011 9:20	60600.001	0.141	3.105
5/1/2011 9:30	61200.001	0.142	3.105
5/1/2011 9:40	61800.001	0.141	3.105
5/1/2011 9:50	62400.001	0.145	3.103
5/1/2011 10:00	63000.001	0.144	3.104
5/1/2011 10:10	63600.001	0.136	3.107
5/1/2011 10:20	64200.001	0.145	3.103
5/1/2011 10:30	64800.001	0.146	3.103
5/1/2011 10:40	65400.001	0.15	3.101
5/1/2011 10:50	66000.001	0.158	3.098
5/1/2011 11:00	66600.001	0.158	3.098
5/1/2011 11:10	67200.001	0.162	3.096
5/1/2011 11:20	67800.001	0.17	3.093
5/1/2011 11:30	68400.001	0.172	3.092
5/1/2011 11:40	69000.001	0.175	3.09
5/1/2011 11:50	69600.001	0.179	3.089
5/1/2011 12:00	70200.001	0.18	3.088
5/1/2011 12:10	70800.001	0.174	3.091
5/1/2011 12:20	71400.001	0.178	3.089
5/1/2011 12:30	72000.001	0.171	3.092
5/1/2011 12:40	72600.001	0.174	3.091
5/1/2011 12:50	73200.001	0.175	3.09
5/1/2011 13:00	73800.001	0.177	3.089
5/1/2011 13:10	74400.001	0.18	3.088
5/1/2011 13:20	75000.001	0.175	3.09
5/1/2011 13:30	75600.001	0.167	3.094
5/1/2011 13:40	76200.001	0.17	3.092
5/1/2011 13:50	76800.001	0.17	3.093
5/1/2011 14:00	77400.001	0.174	3.091
5/1/2011 14:10	78000.001	0.168	3.093
5/1/2011 14:20	78600.001	0.171	3.092
5/1/2011 14:30	79200.001	0.167	3.094
5/1/2011 14:40	79800.001	0.17	3.093
5/1/2011 14:50	80400.001	0.166	3.095

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163893 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163893 Pressure (PSI)
5/1/2011 15:00	81000.001	0.17	3.092
5/1/2011 15:10	81600.001	0.171	3.092
5/1/2011 15:20	82200.001	0.166	3.094
5/1/2011 15:30	82800.001	0.161	3.096
5/1/2011 15:40	83400.001	0.158	3.098
5/1/2011 15:50	84000.001	0.158	3.098
5/1/2011 16:00	84600.001	0.154	3.1
5/1/2011 16:10	85200.001	0.154	3.1
5/1/2011 16:20	85800.001	0.15	3.101
5/1/2011 16:30	86400.001	0.149	3.102
5/1/2011 16:40	87000.001	0.143	3.104
5/1/2011 16:50	87600.001	0.147	3.103
5/1/2011 17:00	88200.001	0.143	3.104
5/1/2011 17:10	88800.001	0.141	3.105
5/1/2011 17:20	89400.001	0.136	3.108
5/1/2011 17:30	90000.001	0.138	3.106
5/1/2011 17:40	90600.001	0.134	3.108
5/1/2011 17:50	91200.001	0.138	3.107
5/1/2011 18:00	91800.001	0.13	3.11
5/1/2011 18:10	92400.001	0.134	3.108
5/1/2011 18:20	93000.001	0.135	3.108
5/1/2011 18:30	93600.001	0.134	3.108
5/1/2011 18:40	94200.001	0.134	3.108
5/1/2011 18:50	94800.001	0.136	3.107
5/1/2011 19:00	95400.001	0.135	3.108
5/1/2011 19:10	96000.001	0.136	3.107
5/1/2011 19:20	96600.001	0.138	3.106
5/1/2011 19:30	97200.001	0.134	3.108
5/1/2011 19:40	97800.001	0.146	3.103
5/1/2011 19:50	98400.001	0.145	3.103
5/1/2011 20:00	99000.001	0.144	3.104
5/1/2011 20:10	99600.001	0.144	3.104
5/1/2011 20:20	100200.001	0.148	3.102
5/1/2011 20:30	100800.001	0.149	3.102
5/1/2011 20:40	101400.001	0.153	3.1
5/1/2011 20:50	102000.001	0.154	3.1
5/1/2011 21:00	102600.001	0.154	3.1
5/1/2011 21:10	103200.001	0.158	3.098
5/1/2011 21:20	103800.001	0.158	3.098
5/1/2011 21:30	104400.001	0.16	3.097
5/1/2011 21:40	105000.001	0.166	3.094
5/1/2011 21:50	105600.001	0.166	3.094
5/1/2011 22:00	106200.001	0.17	3.093
5/1/2011 22:10	106800.001	0.173	3.091
5/1/2011 22:20	107400.001	0.175	3.09

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163893 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163893 Pressure (PSI)
5/1/2011 22:30	108000.001	0.179	3.089
5/1/2011 22:40	108600.001	0.183	3.087
5/1/2011 22:50	109200.001	0.184	3.087
5/1/2011 23:00	109800.001	0.184	3.087
5/1/2011 23:10	110400.001	0.187	3.085
5/1/2011 23:20	111000.001	0.188	3.085
5/1/2011 23:30	111600.001	0.19	3.084
5/1/2011 23:40	112200.001	0.19	3.084
5/1/2011 23:50	112800.001	0.192	3.083
5/2/2011 0:00	113400.001	0.191	3.083
5/2/2011 0:10	114000.001	0.193	3.083
5/2/2011 0:20	114600.001	0.194	3.082
5/2/2011 0:30	115200.001	0.195	3.082
5/2/2011 0:40	115800.001	0.197	3.081
5/2/2011 0:50	116400.001	0.197	3.081
5/2/2011 1:00	117000.001	0.198	3.081
5/2/2011 1:10	117600.001	0.197	3.081
5/2/2011 1:20	118200.001	0.193	3.083
5/2/2011 1:30	118800.001	0.192	3.083
5/2/2011 1:40	119400.001	0.186	3.086
5/2/2011 1:50	120000.001	0.183	3.087
5/2/2011 2:00	120600.001	0.178	3.089
5/2/2011 2:10	121200.001	0.173	3.091
5/2/2011 2:20	121800.001	0.166	3.094
5/2/2011 2:30	122400.001	0.162	3.096
5/2/2011 2:40	123000.001	0.158	3.098
5/2/2011 2:50	123600.001	0.155	3.099
5/2/2011 3:00	124200.001	0.15	3.101
5/2/2011 3:10	124800.001	0.146	3.103
5/2/2011 3:20	125400.001	0.142	3.105
5/2/2011 3:30	126000.001	0.14	3.106
5/2/2011 3:40	126600.001	0.141	3.105
5/2/2011 3:50	127200.001	0.14	3.105
5/2/2011 4:00	127800.001	0.14	3.106
5/2/2011 4:10	128400.001	0.139	3.106
5/2/2011 4:20	129000.001	0.139	3.106
5/2/2011 4:30	129600.001	0.141	3.105
5/2/2011 4:40	130200.001	0.144	3.104
5/2/2011 4:50	130800.001	0.143	3.104
5/2/2011 5:00	131400.001	0.141	3.105
5/2/2011 5:10	132000.001	0.14	3.106
5/2/2011 5:20	132600.001	0.143	3.104
5/2/2011 5:30	133200.001	0.145	3.104
5/2/2011 5:40	133800.001	0.143	3.104
5/2/2011 5:50	134400.001	0.142	3.105

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163893 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163893 Pressure (PSI)
5/2/2011 6:00	135000.001	0.142	3.105
5/2/2011 6:10	135600.001	0.144	3.104
5/2/2011 6:20	136200.001	0.143	3.104
5/2/2011 6:30	136800.001	0.139	3.106
5/2/2011 6:40	137400.001	0.139	3.106
5/2/2011 6:50	138000.001	0.138	3.106
5/2/2011 7:00	138600.001	0.144	3.104
5/2/2011 7:10	139200.001	0.144	3.104
5/2/2011 7:20	139800.001	0.148	3.102
5/2/2011 7:30	140400.001	0.151	3.101
5/2/2011 7:40	141000.001	0.159	3.097
5/2/2011 7:50	141600.001	0.171	3.092
5/2/2011 8:00	142200.001	0.176	3.09
5/2/2011 8:10	142800.001	0.181	3.088
5/2/2011 8:20	143400.001	0.184	3.086
5/2/2011 8:30	144000.001	0.192	3.083
5/2/2011 8:40	144600.001	0.198	3.08
5/2/2011 8:50	145200.001	0.208	3.076
5/2/2011 9:00	145800.001	0.21	3.075
5/2/2011 9:10	146400.001	0.214	3.074
5/2/2011 9:20	147000.001	0.22	3.071
5/2/2011 9:30	147600.001	0.225	3.069
5/2/2011 9:40	148200.001	0.23	3.067
5/2/2011 9:50	148800.001	0.235	3.064
5/2/2011 10:00	149400.001	0.235	3.064
5/2/2011 10:10	150000.001	0.242	3.061
5/2/2011 10:20	150600.001	0.24	3.062
5/2/2011 10:30	151200.001	0.243	3.061
5/2/2011 10:40	151800.001	0.244	3.061
5/2/2011 10:50	152400.001	0.245	3.06
5/2/2011 11:00	153000.001	0.246	3.06
5/2/2011 11:10	153600.001	0.244	3.06
5/2/2011 11:20	154200.001	0.247	3.059
5/2/2011 11:30	154800.001	0.244	3.061
5/2/2011 11:40	155400.001	0.246	3.06
5/2/2011 11:50	156000.001	0.243	3.061
5/2/2011 12:00	156600.001	0.239	3.063
5/2/2011 12:10	157200.001	0.243	3.061
5/2/2011 12:20	157800.001	0.24	3.062
5/2/2011 12:30	158400.001	0.238	3.063
5/2/2011 12:40	159000.001	0.235	3.064
5/2/2011 12:50	159600.001	0.232	3.066
5/2/2011 13:00	160200.001	0.231	3.066
5/2/2011 13:10	160800.001	0.229	3.067
5/2/2011 13:20	161400.001	0.23	3.067

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163893 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163893 Pressure (PSI)
5/2/2011 13:30	162000.001	0.222	3.07
5/2/2011 13:40	162600.001	0.221	3.07
5/2/2011 13:50	163200.001	0.217	3.072
5/2/2011 14:00	163800.001	0.215	3.073
5/2/2011 14:10	164400.001	0.212	3.074
5/2/2011 14:20	165000.001	0.208	3.076
5/2/2011 14:30	165600.001	0.208	3.076
5/2/2011 14:40	166200.001	0.201	3.079
5/2/2011 14:50	166800.001	0.197	3.081
5/2/2011 15:00	167400.001	0.197	3.081
5/2/2011 15:10	168000.001	0.192	3.083
5/2/2011 15:20	168600.001	0.191	3.084
5/2/2011 15:30	169200.001	0.187	3.085
5/2/2011 15:40	169800.001	0.179	3.089
5/2/2011 15:50	170400.001	0.173	3.091
5/2/2011 16:00	171000.001	0.17	3.093
5/2/2011 16:10	171600.001	0.167	3.094
5/2/2011 16:20	172200.001	0.169	3.093
5/2/2011 16:30	172800.001	0.166	3.094
5/2/2011 16:30	172810.001	0.164	3.095
5/2/2011 16:30	172820.001	0.165	3.095
5/2/2011 16:30	172830.001	0.166	3.095
5/2/2011 16:30	172840.001	0.166	3.095
5/2/2011 16:30	172850.001	0.165	3.095
5/2/2011 16:31	172860.001	0.165	3.095
5/2/2011 16:31	172870.001	0.164	3.095
5/2/2011 16:31	172880.001	0.164	3.095
5/2/2011 16:31	172890.001	0.163	3.096
5/2/2011 16:31	172900.001	0.164	3.095
5/2/2011 16:31	172910.001	0.165	3.095
5/2/2011 16:32	172920.001	0.162	3.096
5/2/2011 16:32	172930.001	0.164	3.095
5/2/2011 16:32	172940.001	0.163	3.096
5/2/2011 16:32	172950.001	0.16	3.097
5/2/2011 16:32	172960.001	0.159	3.098
5/2/2011 16:32	172970.001	0.16	3.097
5/2/2011 16:33	172980.001	0.156	3.099
5/2/2011 16:33	172990.001	0.156	3.099
5/2/2011 16:33	173000.001	0.154	3.099
5/2/2011 16:33	173010.001	0.154	3.1
5/2/2011 16:33	173020.001	0.155	3.099
5/2/2011 16:33	173030.001	0.152	3.101
5/2/2011 16:34	173040.001	0.151	3.101
5/2/2011 16:34	173050.001	0.149	3.102
5/2/2011 16:34	173060.001	0.146	3.103

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163893 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163893 Pressure (PSI)
5/2/2011 16:34	173070.001	0.146	3.103
5/2/2011 16:34	173080.001	0.145	3.103
5/2/2011 16:34	173090.001	0.145	3.104
5/2/2011 16:35	173100.001	0.141	3.105
5/2/2011 16:35	173110.001	0.141	3.105
5/2/2011 16:35	173120.001	0.144	3.104
5/2/2011 16:35	173130.001	0.138	3.107
5/2/2011 16:35	173140.001	0.138	3.107
5/2/2011 16:35	173150.001	0.136	3.107
5/2/2011 16:36	173160.001	0.134	3.108
5/2/2011 16:36	173170.001	0.133	3.109
5/2/2011 16:36	173180.001	0.131	3.11
5/2/2011 16:36	173190.001	0.129	3.11
5/2/2011 16:36	173200.001	0.13	3.11
5/2/2011 16:36	173210.001	0.127	3.111
5/2/2011 16:37	173220.001	0.125	3.112
5/2/2011 16:37	173230.001	0.125	3.112
5/2/2011 16:37	173240.001	0.125	3.112
5/2/2011 16:37	173250.001	0.123	3.113
5/2/2011 16:37	173260.001	0.122	3.114
5/2/2011 16:37	173270.001	0.122	3.113
5/2/2011 16:38	173280.001	0.121	3.114
5/2/2011 16:38	173290.001	0.118	3.115
5/2/2011 16:38	173300.001	0.12	3.114
5/2/2011 16:38	173310.001	0.118	3.115
5/2/2011 16:38	173320.001	0.118	3.115
5/2/2011 16:38	173330.001	0.116	3.116
5/2/2011 16:39	173340.001	0.117	3.116
5/2/2011 16:39	173350.001	0.116	3.116
5/2/2011 16:39	173360.001	0.115	3.116
5/2/2011 16:39	173370.001	0.114	3.117
5/2/2011 16:39	173380.001	0.112	3.118
5/2/2011 16:39	173390.001	0.112	3.118
5/2/2011 16:40	173400.001	0.111	3.118
5/2/2011 16:41	173500.001	0.104	3.121
5/2/2011 16:43	173600.001	0.099	3.123
5/2/2011 16:45	173700.001	0.095	3.125
5/2/2011 16:46	173800.001	0.091	3.127
5/2/2011 16:48	173900.001	0.089	3.128
5/2/2011 16:50	174000.001	0.089	3.128
5/2/2011 16:51	174100.001	0.087	3.128
5/2/2011 16:53	174200.001	0.085	3.13
5/2/2011 16:55	174300.001	0.083	3.13
5/2/2011 16:56	174400.001	0.083	3.13
5/2/2011 16:58	174500.001	0.082	3.131

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163893 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163893 Pressure (PSI)
5/2/2011 17:00	174600.001	0.083	3.13
5/2/2011 17:01	174700.001	0.081	3.131
5/2/2011 17:03	174800.001	0.079	3.132
5/2/2011 17:05	174900.001	0.08	3.132
5/2/2011 17:06	175000.001	0.082	3.131
5/2/2011 17:08	175100.001	0.081	3.131
5/2/2011 17:10	175200.001	0.078	3.132
5/2/2011 17:11	175300.001	0.08	3.131
5/2/2011 17:13	175400.001	0.078	3.132
5/2/2011 17:15	175500.001	0.08	3.132
5/2/2011 17:16	175600.001	0.08	3.132
5/2/2011 17:18	175700.001	0.079	3.132
5/2/2011 17:20	175800.001	0.078	3.132
5/2/2011 17:21	175900.001	0.076	3.133
5/2/2011 17:23	176000.001	0.077	3.133
5/2/2011 17:25	176100.001	0.08	3.132
5/2/2011 17:26	176200.001	0.078	3.133
5/2/2011 17:28	176300.001	0.078	3.132
5/2/2011 17:30	176400.001	0.081	3.131
5/2/2011 17:31	176500.001	0.08	3.132
5/2/2011 17:33	176600.001	0.077	3.133
5/2/2011 17:35	176700.001	0.075	3.134
5/2/2011 17:36	176800.001	0.076	3.133
5/2/2011 17:38	176900.001	0.076	3.133
5/2/2011 17:40	177000.001	0.08	3.132
5/2/2011 17:41	177100.001	0.076	3.133
5/2/2011 17:43	177200.001	0.076	3.133
5/2/2011 17:45	177300.001	0.077	3.133
5/2/2011 17:46	177400.001	0.078	3.133
5/2/2011 17:48	177500.001	0.076	3.133
5/2/2011 17:50	177600.001	0.077	3.133
5/2/2011 17:51	177700.001	0.078	3.133
5/2/2011 17:53	177800.001	0.076	3.133
5/2/2011 17:55	177900.001	0.077	3.133
5/2/2011 17:56	178000.001	0.076	3.134
5/2/2011 17:58	178100.001	0.074	3.134
5/2/2011 18:00	178200.001	0.07	3.136
5/2/2011 18:01	178300.001	0.074	3.134
5/2/2011 18:03	178400.001	0.075	3.134
5/2/2011 18:05	178500.001	0.074	3.134
5/2/2011 18:06	178600.001	0.073	3.135
5/2/2011 18:08	178700.001	0.074	3.134
5/2/2011 18:10	178800.001	0.074	3.134
5/2/2011 18:26	179800.001	0.074	3.134
5/2/2011 18:43	180800.001	0.072	3.135

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163893 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163893 Pressure (PSI)
5/2/2011 19:00	181800.001	0.07	3.136
5/2/2011 19:16	182800.001	0.072	3.135
5/2/2011 19:33	183800.001	0.071	3.135
5/2/2011 19:50	184800.001	0.07	3.136
5/2/2011 20:06	185800.001	0.071	3.135
5/2/2011 20:23	186800.001	0.069	3.136
5/2/2011 20:40	187800.001	0.071	3.135
5/2/2011 20:56	188800.001	0.082	3.131
5/2/2011 21:13	189800.001	0.08	3.132
5/2/2011 21:30	190800.001	0.083	3.13
5/2/2011 21:46	191800.001	0.086	3.129
5/2/2011 22:03	192800.001	0.088	3.128
5/2/2011 22:20	193800.001	0.094	3.126
5/2/2011 22:36	194800.001	0.093	3.126
5/2/2011 22:53	195800.001	0.097	3.124
5/2/2011 23:10	196800.001	0.097	3.124
5/2/2011 23:26	197800.001	0.094	3.126
5/2/2011 23:43	198800.001	0.093	3.126
5/3/2011 0:00	199800.001	0.086	3.129
5/3/2011 0:16	200800.001	0.083	3.131
5/3/2011 0:33	201800.001	0.076	3.133
5/3/2011 0:50	202800.001	0.069	3.136
5/3/2011 1:06	203800.001	0.063	3.139
5/3/2011 1:23	204800.001	0.058	3.141
5/3/2011 1:40	205800.001	0.055	3.142
5/3/2011 1:56	206800.001	0.05	3.145
5/3/2011 2:13	207800.001	0.044	3.147
5/3/2011 2:30	208800.001	0.043	3.148
5/3/2011 2:46	209800.001	0.047	3.146
5/3/2011 3:03	210800.001	0.047	3.146
5/3/2011 3:20	211800.001	0.05	3.145
5/3/2011 3:36	212800.001	0.053	3.144
5/3/2011 3:53	213800.001	0.058	3.141
5/3/2011 4:10	214800.001	0.058	3.141
5/3/2011 4:26	215800.001	0.063	3.139
5/3/2011 4:43	216800.001	0.061	3.14
5/3/2011 5:00	217800.001	0.063	3.139
5/3/2011 5:16	218800.001	0.063	3.139
5/3/2011 5:33	219800.001	0.07	3.136
5/3/2011 5:50	220800.001	0.067	3.137
5/3/2011 6:06	221800.001	0.068	3.137
5/3/2011 6:23	222800.001	0.068	3.137
5/3/2011 6:40	223800.001	0.068	3.137
5/3/2011 6:56	224800.001	0.074	3.134
5/3/2011 7:13	225800.001	0.077	3.133

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163893 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163893 Pressure (PSI)
5/3/2011 7:30	226800.001	0.08	3.132
5/3/2011 7:46	227800.001	0.082	3.131
5/3/2011 8:03	228800.001	0.086	3.129
5/3/2011 8:20	229800.001	0.093	3.126
5/3/2011 8:36	230800.001	0.089	3.128
5/3/2011 8:53	231800.001	0.091	3.127
5/3/2011 9:10	232800.001	0.092	3.126
5/3/2011 11:56	242760.001	0.089	3.128
5/3/2011 14:42	252720.001	0.05	3.144
5/3/2011 17:28	262680.001	0.011	3.161
5/3/2011 20:14	272640.001	0.021	3.157
5/3/2011 23:00	282600.001	0.043	3.148
5/4/2011 1:46	292560.001	0.067	3.137
5/4/2011 4:32	302520.001	0.046	3.146
5/4/2011 7:18	312480.001	0.034	3.152
5/4/2011 10:04	322440.001	0.033	3.152
5/4/2011 12:50	332400.001	-0.002	3.167
5/4/2011 15:36	342360.001	-0.05	3.188
5/4/2011 18:22	352320.001	-0.02	3.175
5/4/2011 21:08	362280.001	0.048	3.146
5/4/2011 23:54	372240.001	0.142	3.105
5/5/2011 2:40	382200.001	0.138	3.106
5/5/2011 5:26	392160.001	0.108	3.12
5/5/2011 8:12	402120.001	0.101	3.123
5/5/2011 10:58	412080.001	0.093	3.126
5/5/2011 13:44	422040.001	0.065	3.138
5/5/2011 16:30	432000.001	0.024	3.156
5/5/2011 19:16	441960.001	-0.003	3.168
5/5/2011 22:02	451920.001	0.007	3.163
5/6/2011 0:48	461880.001	0.01	3.162
5/6/2011 3:34	471840.001	-0.02	3.175
5/6/2011 6:20	481800.001	-0.048	3.187
5/6/2011 9:06	491760.001	-0.061	3.193
5/6/2011 11:52	501720.001	-0.091	3.206
5/6/2011 14:38	511680.001	-0.111	3.214
5/6/2011 17:24	521640.001	-0.101	3.21
5/6/2011 20:10	531600.001	-0.032	3.18
5/6/2011 22:56	541560.001	0.038	3.15
5/7/2011 1:42	551520.001	0.02	3.158
5/7/2011 4:28	561480.001	0.059	3.141
5/7/2011 7:14	571440.001	0.062	3.139
5/7/2011 10:00	581400.001	0.097	3.124
5/7/2011 12:46	591360.001	0.087	3.128
5/7/2011 15:32	601320.001	0.041	3.149
5/7/2011 15:32	601330.001	0.041	3.149

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163893 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163893 Pressure (PSI)
5/7/2011 15:32	601340.001	0.042	3.148
5/7/2011 15:32	601350.001	0.042	3.148
5/7/2011 15:32	601360.001	0.042	3.148
5/7/2011 15:32	601370.001	0.043	3.148
5/7/2011 15:33	601380.001	0.041	3.148
5/7/2011 15:33	601390.001	0.041	3.149
5/7/2011 15:33	601400.001	0.04	3.149
5/7/2011 15:33	601410.001	0.04	3.149
5/7/2011 15:33	601420.001	0.04	3.149
5/7/2011 15:33	601430.001	0.043	3.148
5/7/2011 15:34	601440.001	0.042	3.148
5/7/2011 15:34	601450.001	0.043	3.148
5/7/2011 15:34	601460.001	0.045	3.147
5/7/2011 15:34	601470.001	0.042	3.148
5/7/2011 15:34	601480.001	0.045	3.147
5/7/2011 15:34	601490.001	0.043	3.148
5/7/2011 15:35	601500.001	0.044	3.147
5/7/2011 15:35	601510.001	0.045	3.147
5/7/2011 15:35	601520.001	0.044	3.147
5/7/2011 15:35	601530.001	0.043	3.148
5/7/2011 15:35	601540.001	0.041	3.148
5/7/2011 15:35	601550.001	0.043	3.148
5/7/2011 15:36	601560.001	0.041	3.148
5/7/2011 15:36	601570.001	0.042	3.148
5/7/2011 15:36	601580.001	0.041	3.148
5/7/2011 15:36	601590.001	0.04	3.149
5/7/2011 15:36	601600.001	0.042	3.148
5/7/2011 15:36	601610.001	0.042	3.148
5/7/2011 15:37	601620.001	0.042	3.148
5/7/2011 15:37	601630.001	0.041	3.149
5/7/2011 15:37	601640.001	0.043	3.148
5/7/2011 15:37	601650.001	0.041	3.148
5/7/2011 15:37	601660.001	0.041	3.149
5/7/2011 15:37	601670.001	0.04	3.149
5/7/2011 15:38	601680.001	0.041	3.148
5/7/2011 15:38	601690.001	0.038	3.15
5/7/2011 15:38	601700.001	0.038	3.15
5/7/2011 15:38	601710.001	0.039	3.149
5/7/2011 15:38	601720.001	0.036	3.151
5/7/2011 15:38	601730.001	0.039	3.15
5/7/2011 15:39	601740.001	0.038	3.15
5/7/2011 15:39	601750.001	0.039	3.15
5/7/2011 15:39	601760.001	0.039	3.149
5/7/2011 15:39	601770.001	0.037	3.15
5/7/2011 15:39	601780.001	0.038	3.15

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163893 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163893 Pressure (PSI)
5/7/2011 15:39	601790.001	0.036	3.151
5/7/2011 15:40	601800.001	0.038	3.15
5/7/2011 15:40	601810.001	0.038	3.15
5/7/2011 15:40	601820.001	0.041	3.149
5/7/2011 15:40	601830.001	0.038	3.15
5/7/2011 15:40	601840.001	0.037	3.15
5/7/2011 15:40	601850.001	0.037	3.15
5/7/2011 15:41	601860.001	0.04	3.149
5/7/2011 15:41	601870.001	0.04	3.149
5/7/2011 15:41	601880.001	0.038	3.15
5/7/2011 15:41	601890.001	0.038	3.15
5/7/2011 15:41	601900.001	0.041	3.149
5/7/2011 15:41	601910.001	0.038	3.15
5/7/2011 15:42	601920.001	0.039	3.15
5/7/2011 15:43	602020.001	0.04	3.149
5/7/2011 15:45	602120.001	0.037	3.15
5/7/2011 15:47	602220.001	0.036	3.151
5/7/2011 15:48	602320.001	0.034	3.151
5/7/2011 15:50	602420.001	0.036	3.151
5/7/2011 15:52	602520.001	0.034	3.151
5/7/2011 15:53	602620.001	0.035	3.151
5/7/2011 15:55	602720.001	0.034	3.151
5/7/2011 15:57	602820.001	0.033	3.152
5/7/2011 15:58	602920.001	0.032	3.152
5/7/2011 16:00	603020.001	0.031	3.153
5/7/2011 16:02	603120.001	0.03	3.153
5/7/2011 16:03	603220.001	0.033	3.152
5/7/2011 16:05	603320.001	0.033	3.152
5/7/2011 16:07	603420.001	0.029	3.154
5/7/2011 16:08	603520.001	0.031	3.153
5/7/2011 16:10	603620.001	0.026	3.155
5/7/2011 16:12	603720.001	0.032	3.152
5/7/2011 16:13	603820.001	0.031	3.153
5/7/2011 16:15	603920.001	0.027	3.155
5/7/2011 16:17	604020.001	0.027	3.155
5/7/2011 16:18	604120.001	0.028	3.154
5/7/2011 16:20	604220.001	0.029	3.154
5/7/2011 16:22	604320.001	0.026	3.155
5/7/2011 16:23	604420.001	0.027	3.155
5/7/2011 16:25	604520.001	0.028	3.154
5/7/2011 16:27	604620.001	0.024	3.156
5/7/2011 16:28	604720.001	0.024	3.156
5/7/2011 16:30	604820.001	0.025	3.155
5/7/2011 16:32	604920.001	0.022	3.157
5/7/2011 16:33	605020.001	0.025	3.155

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163893 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163893 Pressure (PSI)
5/7/2011 16:35	605120.001	0.031	3.153
5/7/2011 16:37	605220.001	0.042	3.148
5/7/2011 16:38	605320.001	0.056	3.142
5/7/2011 16:40	605420.001	0.062	3.139
5/7/2011 16:42	605520.001	0.071	3.136
5/7/2011 16:43	605620.001	0.073	3.135
5/7/2011 16:45	605720.001	0.077	3.133
5/7/2011 16:47	605820.001	0.085	3.129
5/7/2011 16:48	605920.001	0.087	3.129
5/7/2011 16:50	606020.001	0.09	3.127
5/7/2011 16:52	606120.001	0.091	3.127
5/7/2011 16:53	606220.001	0.09	3.127
5/7/2011 16:55	606320.001	0.09	3.127
5/7/2011 16:57	606420.001	0.092	3.127
5/7/2011 16:58	606520.001	0.095	3.125
5/7/2011 17:00	606620.001	0.095	3.125
5/7/2011 17:02	606720.001	0.091	3.127
5/7/2011 17:03	606820.001	0.089	3.128
5/7/2011 17:05	606920.001	0.09	3.127
5/7/2011 17:07	607020.001	0.091	3.127
5/7/2011 17:08	607120.001	0.091	3.127
5/7/2011 17:10	607220.001	0.09	3.127
5/7/2011 17:12	607320.001	0.089	3.128
5/7/2011 17:28	608320.001	0.081	3.131
5/7/2011 17:45	609320.001	0.076	3.133
5/7/2011 18:02	610320.001	0.075	3.134
5/7/2011 18:18	611320.001	0.076	3.134
5/7/2011 18:35	612320.001	0.072	3.135
5/7/2011 18:52	613320.001	0.073	3.134
5/7/2011 19:08	614320.001	0.078	3.132
5/7/2011 19:25	615320.001	0.076	3.133
5/7/2011 19:42	616320.001	0.074	3.134
5/7/2011 19:58	617320.001	0.079	3.132
5/7/2011 20:15	618320.001	0.075	3.134
5/7/2011 20:32	619320.001	0.077	3.133
5/7/2011 20:48	620320.001	0.077	3.133
5/7/2011 21:05	621320.001	0.079	3.132
5/7/2011 21:22	622320.001	0.083	3.13
5/7/2011 21:38	623320.001	0.085	3.13
5/7/2011 21:55	624320.001	0.086	3.129
5/7/2011 22:12	625320.001	0.086	3.129
5/7/2011 22:28	626320.001	0.087	3.128
5/7/2011 22:45	627320.001	0.087	3.129
5/7/2011 23:02	628320.001	0.084	3.13
5/7/2011 23:18	629320.001	0.085	3.13

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163893 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163893 Pressure (PSI)
5/7/2011 23:35	630320.001	0.083	3.13
5/7/2011 23:52	631320.001	0.079	3.132
5/8/2011 0:08	632320.001	0.08	3.131
5/8/2011 0:25	633320.001	0.077	3.133
5/8/2011 0:42	634320.001	0.076	3.133
5/8/2011 0:58	635320.001	0.082	3.131
5/8/2011 1:15	636320.001	0.076	3.134
5/8/2011 1:32	637320.001	0.08	3.132
5/8/2011 1:48	638320.001	0.077	3.133
5/8/2011 2:05	639320.001	0.076	3.133
5/8/2011 2:22	640320.001	0.077	3.133
5/8/2011 2:38	641320.001	0.072	3.135
5/8/2011 2:55	642320.001	0.072	3.135
5/8/2011 3:12	643320.001	0.066	3.138
5/8/2011 3:28	644320.001	0.06	3.14
5/8/2011 3:45	645320.001	0.061	3.14
5/8/2011 4:02	646320.001	0.062	3.139
5/8/2011 4:18	647320.001	0.068	3.137
5/8/2011 4:35	648320.001	0.066	3.138
5/8/2011 4:52	649320.001	0.067	3.137
5/8/2011 5:08	650320.001	0.069	3.136
5/8/2011 5:25	651320.001	0.071	3.135
5/8/2011 5:42	652320.001	0.065	3.138
5/8/2011 5:58	653320.001	0.063	3.139
5/8/2011 6:15	654320.001	0.061	3.14
5/8/2011 6:32	655320.001	0.058	3.141
5/8/2011 6:48	656320.001	0.056	3.142
5/8/2011 7:05	657320.001	0.055	3.142
5/8/2011 7:22	658320.001	0.057	3.142
5/8/2011 7:38	659320.001	0.053	3.143
5/8/2011 7:55	660320.001	0.042	3.148
5/8/2011 8:12	661320.001	0.048	3.145
5/8/2011 10:58	671280.001	0.035	3.151
5/8/2011 13:44	681240.001	0.005	3.164
5/8/2011 16:30	691200.001	-0.026	3.178
5/8/2011 19:16	701160.001	-0.019	3.175
5/8/2011 22:02	711120.001	0.002	3.165
5/9/2011 0:48	721080.001	0.011	3.162
5/9/2011 3:34	731040.001	0.006	3.164
5/9/2011 6:20	741000.001	0.025	3.155
5/9/2011 9:06	750960.001	0.044	3.147
5/9/2011 11:52	760920.001	0.102	3.122
5/9/2011 14:38	770880.001	0.083	3.13
5/9/2011 17:24	780840.001	0.567	2.921
5/9/2011 20:10	790800.001	0.888	2.782

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 163893 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 163893 Pressure (PSI)
5/9/2011 22:56	800760.001	0.946	2.757
5/10/2011 1:42	810720.001	0.943	2.758
5/10/2011 4:28	820680.001	0.948	2.756
5/10/2011 7:14	830640.001	1.022	2.724
5/10/2011 10:00	840600.001	1.102	2.689
5/10/2011 12:46	850560.001	0.955	2.753
5/10/2011 15:32	860520.001	1.043	2.714
5/10/2011 18:18	870480.001	1.076	2.7
5/10/2011 21:04	880440.001	1.082	2.698
5/10/2011 23:50	890400.001	1.119	2.681
5/11/2011 2:36	900360.001	1.123	2.68
5/11/2011 5:22	910320.001	1.145	2.67
5/11/2011 8:08	920280.001	1.172	2.659
5/11/2011 10:54	930240.001	1.116	2.683
5/11/2011 13:40	940200.001	0.466	2.964
5/11/2011 16:26	950160.001	0.224	3.069
5/11/2011 19:12	960120.001	0.261	3.053
5/11/2011 21:58	970080.001	0.232	3.066
5/12/2011 0:44	980040.001	0.202	3.079
5/12/2011 3:30	990000.001	0.184	3.086
5/12/2011 6:16	999960.001	0.194	3.082
5/12/2011 9:02	1009920.001	0.231	3.066
5/12/2011 11:48	1019880.001	0.227	3.068
5/12/2011 14:34	1029840.001	0.203	3.078

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Report Date:	5/16/2011 9:32
Report User Nam	jgadt
Report Computer	KS-FIELD2-LTP
Application:	WinSitu.exe
Application Versi	5.6.21.0

Log File Properties

File Name	MW13C_043011_FST_2011-05-12_17-52-20-625.wsl
Create Date	5/12/2011 17:52

Device Properties

Device	Level TROLL 700				
Site	MW-13C				
Device Name					
Serial Number		169837			
Firmware Version		2.08			
Hardware Versior		3			
Device Address		1			
Device Comm Cfg		19200	8	Even	1
Used Memory		3			
Used Battery		3			

Log Configuration

	Log Name	MW13C_043011_FST
	Created By	jgadt
	Computer Name	KS-FIELD2-LTP
	Application	WinSitu.exe
	Application Version	5.6.21.0
	Create Date	4/30/2011 3:56:12 PM Central Daylight Time
	Log Setup Time Zone	Central Daylight Time
	Notes Size(bytes)	4096
	Overwrite when full	Disabled
	Scheduled Start Time	4/30/2011 4:30:00 PM Central Daylight Time
	Scheduled Stop Time	5/12/2011 4:30:00 PM Central Daylight Time
	Type	Step Test
Steps	9 (Linear)	
	Step	1
	Duration	Days: 2 hrs: 00 mins: 00 secs: 00
	Interval	Days: 0 hrs: 00 mins: 10 secs: 00
	Step	2
	Duration	Days: 0 hrs: 00 mins: 10 secs: 00
	Interval	Days: 0 hrs: 00 mins: 00 secs: 10
	Step	3
	Duration	Days: 0 hrs: 01 mins: 30 secs: 00
	Interval	Days: 0 hrs: 00 mins: 01 secs: 40
	Step	4
	Duration	Days: 0 hrs: 15 mins: 00 secs: 00

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Interval	Days: 0 hrs: 00 mins: 16 secs: 40
Step	5
Duration	Days: 4 hrs: 07 mins: 20 secs: 00
Interval	Days: 0 hrs: 02 mins: 46 secs: 00
Step	6
Duration	Days: 0 hrs: 00 mins: 10 secs: 00
Interval	Days: 0 hrs: 00 mins: 00 secs: 10
Step	7
Duration	Days: 0 hrs: 01 mins: 30 secs: 00
Interval	Days: 0 hrs: 00 mins: 01 secs: 40
Step	8
Duration	Days: 0 hrs: 15 mins: 00 secs: 00
Interval	Days: 0 hrs: 00 mins: 16 secs: 40
Step	9
Duration	Days: 4 hrs: 07 mins: 20 secs: 00
Interval	Days: 0 hrs: 02 mins: 46 secs: 00

Level Reference Settings At Log Creation

Level Measurement Mode	Level Depth To Water
Specific Gravity	0.999
Level Reference Mode:	Set new reference
Level Reference Value:	0 (ft)
Level Reference Head Pressure	4.15556 (PSI)

Other Log Settings

Depth of Probe:	9.58951 (ft)
Head Pressure:	4.15315 (PSI)
Temperature:	12.7226 (C)

Log Notes:

Date and Time	Note
4/30/2011 15:56	Used Battery: 3% Used Memory: 3% User Name: jgadt
5/1/2011 8:21	Log Download - Used Battery: 4% Used Memory: 3% User Name: jgadt

Log Data:

Record Count	699		
Sensors	1		
	1	169837	Pressure/Temp 15 PSIG (11m/35ft)

Time Zone: Central Daylight Time

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 169837 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 169837 Pressure (PSI)
4/30/2011 16:30	0	-0.007	4.159
4/30/2011 16:40	600.001	0.789	3.814
4/30/2011 16:50	1200.001	1.177	3.646
4/30/2011 17:00	1800.001	1.355	3.569
4/30/2011 17:10	2400.001	1.449	3.528
4/30/2011 17:20	3000.001	1.501	3.505
4/30/2011 17:30	3600.001	1.527	3.494
4/30/2011 17:40	4200.001	1.548	3.485
4/30/2011 17:50	4800.001	1.548	3.485
4/30/2011 18:00	5400.001	1.567	3.477
4/30/2011 18:10	6000.001	1.573	3.474
4/30/2011 18:20	6600.001	1.576	3.473
4/30/2011 18:30	7200.001	1.575	3.474
4/30/2011 18:40	7800.001	1.573	3.474
4/30/2011 18:50	8400.001	1.582	3.47
4/30/2011 19:00	9000.001	1.585	3.469
4/30/2011 19:10	9600.001	1.59	3.467
4/30/2011 19:20	10200.001	1.595	3.465
4/30/2011 19:30	10800.001	1.597	3.464
4/30/2011 19:40	11400.001	1.598	3.464
4/30/2011 19:50	12000.001	1.6	3.462
4/30/2011 20:00	12600.001	1.602	3.462
4/30/2011 20:10	13200.001	1.608	3.459
4/30/2011 20:20	13800.001	1.611	3.458
4/30/2011 20:30	14400.001	1.615	3.456
4/30/2011 20:40	15000.001	1.619	3.454
4/30/2011 20:50	15600.001	1.624	3.452
4/30/2011 21:00	16200.001	1.626	3.452
4/30/2011 21:10	16800.001	1.629	3.45
4/30/2011 21:20	17400.001	1.632	3.449
4/30/2011 21:30	18000.001	1.638	3.446
4/30/2011 21:40	18600.001	1.64	3.445
4/30/2011 21:50	19200.001	1.647	3.442
4/30/2011 22:00	19800.001	1.648	3.442
4/30/2011 22:10	20400.001	1.65	3.441
4/30/2011 22:20	21000.001	1.653	3.44
4/30/2011 22:30	21600.001	1.652	3.44
4/30/2011 22:40	22200.001	1.657	3.438
4/30/2011 22:50	22800.001	1.656	3.438
4/30/2011 23:00	23400.001	1.655	3.439
4/30/2011 23:10	24000.001	1.657	3.438
4/30/2011 23:20	24600.001	1.655	3.439
4/30/2011 23:30	25200.001	1.66	3.436
4/30/2011 23:40	25800.001	1.66	3.437

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 169837 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 169837 Pressure (PSI)
4/30/2011 23:50	26400.001	1.66	3.437
5/1/2011 0:00	27000.001	1.662	3.436
5/1/2011 0:10	27600.001	1.662	3.436
5/1/2011 0:20	28200.001	1.662	3.436
5/1/2011 0:30	28800.001	1.659	3.437
5/1/2011 0:40	29400.001	1.661	3.436
5/1/2011 0:50	30000.001	1.661	3.436
5/1/2011 1:00	30600.001	1.66	3.437
5/1/2011 1:10	31200.001	1.663	3.435
5/1/2011 1:20	31800.001	1.659	3.437
5/1/2011 1:30	32400.001	1.657	3.438
5/1/2011 1:40	33000.001	1.654	3.439
5/1/2011 1:50	33600.001	1.65	3.441
5/1/2011 2:00	34200.001	1.647	3.442
5/1/2011 2:10	34800.001	1.656	3.439
5/1/2011 2:20	35400.001	1.651	3.441
5/1/2011 2:30	36000.001	1.635	3.447
5/1/2011 2:40	36600.001	1.635	3.448
5/1/2011 2:50	37200.001	1.622	3.453
5/1/2011 3:00	37800.001	1.618	3.455
5/1/2011 3:10	38400.001	1.617	3.455
5/1/2011 3:20	39000.001	1.624	3.452
5/1/2011 3:30	39600.001	1.625	3.452
5/1/2011 3:40	40200.001	1.625	3.452
5/1/2011 3:50	40800.001	1.619	3.454
5/1/2011 4:00	41400.001	1.612	3.457
5/1/2011 4:10	42000.001	1.608	3.459
5/1/2011 4:20	42600.001	1.606	3.46
5/1/2011 4:30	43200.001	1.604	3.461
5/1/2011 4:40	43800.001	1.602	3.462
5/1/2011 4:50	44400.001	1.602	3.462
5/1/2011 5:00	45000.001	1.597	3.464
5/1/2011 5:10	45600.001	1.6	3.463
5/1/2011 5:20	46200.001	1.603	3.461
5/1/2011 5:30	46800.001	1.603	3.461
5/1/2011 5:40	47400.001	1.603	3.461
5/1/2011 5:50	48000.001	1.601	3.462
5/1/2011 6:00	48600.001	1.604	3.461
5/1/2011 6:10	49200.001	1.606	3.46
5/1/2011 6:20	49800.001	1.61	3.458
5/1/2011 6:30	50400.001	1.614	3.456
5/1/2011 6:40	51000.001	1.611	3.458
5/1/2011 6:50	51600.001	1.616	3.456
5/1/2011 7:00	52200.001	1.62	3.454
5/1/2011 7:10	52800.001	1.618	3.455

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 169837 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 169837 Pressure (PSI)
5/1/2011 7:20	53400.001	1.617	3.455
5/1/2011 7:30	54000.001	1.617	3.455
5/1/2011 7:40	54600.001	1.614	3.456
5/1/2011 7:50	55200.001	1.611	3.458
5/1/2011 8:00	55800.001	1.607	3.46
5/1/2011 8:10	56400.001	1.602	3.462
5/1/2011 8:20	57000.001	1.607	3.459
5/1/2011 8:30	57600.001	1.609	3.459
5/1/2011 8:40	58200.001	1.604	3.461
5/1/2011 8:50	58800.001	1.601	3.462
5/1/2011 9:00	59400.001	1.595	3.465
5/1/2011 9:10	60000.001	1.6	3.463
5/1/2011 9:20	60600.001	1.603	3.461
5/1/2011 9:30	61200.001	1.607	3.46
5/1/2011 9:40	61800.001	1.61	3.458
5/1/2011 9:50	62400.001	1.61	3.458
5/1/2011 10:00	63000.001	1.608	3.459
5/1/2011 10:10	63600.001	1.603	3.461
5/1/2011 10:20	64200.001	1.606	3.46
5/1/2011 10:30	64800.001	1.607	3.459
5/1/2011 10:40	65400.001	1.605	3.46
5/1/2011 10:50	66000.001	1.612	3.457
5/1/2011 11:00	66600.001	1.612	3.457
5/1/2011 11:10	67200.001	1.615	3.456
5/1/2011 11:20	67800.001	1.622	3.453
5/1/2011 11:30	68400.001	1.614	3.456
5/1/2011 11:40	69000.001	1.616	3.456
5/1/2011 11:50	69600.001	1.618	3.455
5/1/2011 12:00	70200.001	1.617	3.455
5/1/2011 12:10	70800.001	1.608	3.459
5/1/2011 12:20	71400.001	1.613	3.457
5/1/2011 12:30	72000.001	1.606	3.46
5/1/2011 12:40	72600.001	1.608	3.459
5/1/2011 12:50	73200.001	1.613	3.457
5/1/2011 13:00	73800.001	1.613	3.457
5/1/2011 13:10	74400.001	1.608	3.459
5/1/2011 13:20	75000.001	1.606	3.46
5/1/2011 13:30	75600.001	1.598	3.464
5/1/2011 13:40	76200.001	1.597	3.464
5/1/2011 13:50	76800.001	1.603	3.461
5/1/2011 14:00	77400.001	1.608	3.459
5/1/2011 14:10	78000.001	1.606	3.46
5/1/2011 14:20	78600.001	1.603	3.461
5/1/2011 14:30	79200.001	1.603	3.462
5/1/2011 14:40	79800.001	1.603	3.461

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 169837 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 169837 Pressure (PSI)
5/1/2011 14:50	80400.001	1.604	3.461
5/1/2011 15:00	81000.001	1.605	3.46
5/1/2011 15:10	81600.001	1.601	3.462
5/1/2011 15:20	82200.001	1.594	3.465
5/1/2011 15:30	82800.001	1.59	3.467
5/1/2011 15:40	83400.001	1.584	3.47
5/1/2011 15:50	84000.001	1.587	3.468
5/1/2011 16:00	84600.001	1.582	3.471
5/1/2011 16:10	85200.001	1.583	3.47
5/1/2011 16:20	85800.001	1.578	3.472
5/1/2011 16:30	86400.001	1.576	3.473
5/1/2011 16:40	87000.001	1.571	3.475
5/1/2011 16:50	87600.001	1.572	3.475
5/1/2011 17:00	88200.001	1.566	3.477
5/1/2011 17:10	88800.001	1.568	3.476
5/1/2011 17:20	89400.001	1.567	3.477
5/1/2011 17:30	90000.001	1.569	3.476
5/1/2011 17:40	90600.001	1.567	3.477
5/1/2011 17:50	91200.001	1.565	3.478
5/1/2011 18:00	91800.001	1.557	3.481
5/1/2011 18:10	92400.001	1.567	3.477
5/1/2011 18:20	93000.001	1.568	3.477
5/1/2011 18:30	93600.001	1.567	3.477
5/1/2011 18:40	94200.001	1.565	3.478
5/1/2011 18:50	94800.001	1.569	3.476
5/1/2011 19:00	95400.001	1.569	3.476
5/1/2011 19:10	96000.001	1.57	3.476
5/1/2011 19:20	96600.001	1.561	3.479
5/1/2011 19:30	97200.001	1.566	3.477
5/1/2011 19:40	97800.001	1.569	3.476
5/1/2011 19:50	98400.001	1.574	3.474
5/1/2011 20:00	99000.001	1.575	3.473
5/1/2011 20:10	99600.001	1.579	3.472
5/1/2011 20:20	100200.001	1.581	3.471
5/1/2011 20:30	100800.001	1.584	3.469
5/1/2011 20:40	101400.001	1.586	3.469
5/1/2011 20:50	102000.001	1.587	3.468
5/1/2011 21:00	102600.001	1.591	3.467
5/1/2011 21:10	103200.001	1.59	3.467
5/1/2011 21:20	103800.001	1.595	3.465
5/1/2011 21:30	104400.001	1.598	3.463
5/1/2011 21:40	105000.001	1.604	3.461
5/1/2011 21:50	105600.001	1.609	3.459
5/1/2011 22:00	106200.001	1.607	3.459
5/1/2011 22:10	106800.001	1.61	3.458

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 169837 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 169837 Pressure (PSI)
5/1/2011 22:20	107400.001	1.613	3.457
5/1/2011 22:30	108000.001	1.617	3.455
5/1/2011 22:40	108600.001	1.617	3.455
5/1/2011 22:50	109200.001	1.617	3.455
5/1/2011 23:00	109800.001	1.617	3.455
5/1/2011 23:10	110400.001	1.623	3.452
5/1/2011 23:20	111000.001	1.622	3.453
5/1/2011 23:30	111600.001	1.622	3.453
5/1/2011 23:40	112200.001	1.624	3.452
5/1/2011 23:50	112800.001	1.623	3.452
5/2/2011 0:00	113400.001	1.623	3.453
5/2/2011 0:10	114000.001	1.624	3.452
5/2/2011 0:20	114600.001	1.625	3.452
5/2/2011 0:30	115200.001	1.627	3.451
5/2/2011 0:40	115800.001	1.63	3.45
5/2/2011 0:50	116400.001	1.628	3.45
5/2/2011 1:00	117000.001	1.632	3.449
5/2/2011 1:10	117600.001	1.628	3.45
5/2/2011 1:20	118200.001	1.629	3.45
5/2/2011 1:30	118800.001	1.627	3.451
5/2/2011 1:40	119400.001	1.625	3.452
5/2/2011 1:50	120000.001	1.622	3.453
5/2/2011 2:00	120600.001	1.618	3.455
5/2/2011 2:10	121200.001	1.617	3.455
5/2/2011 2:20	121800.001	1.608	3.459
5/2/2011 2:30	122400.001	1.607	3.46
5/2/2011 2:40	123000.001	1.608	3.459
5/2/2011 2:50	123600.001	1.601	3.462
5/2/2011 3:00	124200.001	1.6	3.463
5/2/2011 3:10	124800.001	1.598	3.464
5/2/2011 3:20	125400.001	1.595	3.465
5/2/2011 3:30	126000.001	1.599	3.463
5/2/2011 3:40	126600.001	1.599	3.463
5/2/2011 3:50	127200.001	1.599	3.463
5/2/2011 4:00	127800.001	1.605	3.46
5/2/2011 4:10	128400.001	1.6	3.462
5/2/2011 4:20	129000.001	1.599	3.463
5/2/2011 4:30	129600.001	1.605	3.46
5/2/2011 4:40	130200.001	1.605	3.46
5/2/2011 4:50	130800.001	1.605	3.461
5/2/2011 5:00	131400.001	1.603	3.461
5/2/2011 5:10	132000.001	1.603	3.461
5/2/2011 5:20	132600.001	1.605	3.46
5/2/2011 5:30	133200.001	1.603	3.461
5/2/2011 5:40	133800.001	1.602	3.462

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 169837 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 169837 Pressure (PSI)
5/2/2011 5:50	134400.001	1.602	3.462
5/2/2011 6:00	135000.001	1.598	3.463
5/2/2011 6:10	135600.001	1.599	3.463
5/2/2011 6:20	136200.001	1.595	3.465
5/2/2011 6:30	136800.001	1.597	3.464
5/2/2011 6:40	137400.001	1.601	3.462
5/2/2011 6:50	138000.001	1.598	3.463
5/2/2011 7:00	138600.001	1.606	3.46
5/2/2011 7:10	139200.001	1.61	3.458
5/2/2011 7:20	139800.001	1.611	3.458
5/2/2011 7:30	140400.001	1.62	3.454
5/2/2011 7:40	141000.001	1.624	3.452
5/2/2011 7:50	141600.001	1.622	3.453
5/2/2011 8:00	142200.001	1.629	3.45
5/2/2011 8:10	142800.001	1.628	3.45
5/2/2011 8:20	143400.001	1.635	3.448
5/2/2011 8:30	144000.001	1.637	3.447
5/2/2011 8:40	144600.001	1.648	3.442
5/2/2011 8:50	145200.001	1.654	3.439
5/2/2011 9:00	145800.001	1.655	3.439
5/2/2011 9:10	146400.001	1.659	3.437
5/2/2011 9:20	147000.001	1.662	3.436
5/2/2011 9:30	147600.001	1.662	3.436
5/2/2011 9:40	148200.001	1.667	3.434
5/2/2011 9:50	148800.001	1.672	3.431
5/2/2011 10:00	149400.001	1.67	3.432
5/2/2011 10:10	150000.001	1.671	3.432
5/2/2011 10:20	150600.001	1.672	3.431
5/2/2011 10:30	151200.001	1.674	3.431
5/2/2011 10:40	151800.001	1.674	3.431
5/2/2011 10:50	152400.001	1.674	3.43
5/2/2011 11:00	153000.001	1.673	3.431
5/2/2011 11:10	153600.001	1.673	3.431
5/2/2011 11:20	154200.001	1.669	3.433
5/2/2011 11:30	154800.001	1.67	3.432
5/2/2011 11:40	155400.001	1.669	3.433
5/2/2011 11:50	156000.001	1.668	3.433
5/2/2011 12:00	156600.001	1.668	3.433
5/2/2011 12:10	157200.001	1.666	3.434
5/2/2011 12:20	157800.001	1.666	3.434
5/2/2011 12:30	158400.001	1.662	3.436
5/2/2011 12:40	159000.001	1.657	3.438
5/2/2011 12:50	159600.001	1.656	3.438
5/2/2011 13:00	160200.001	1.656	3.438
5/2/2011 13:10	160800.001	1.652	3.44

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 169837 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 169837 Pressure (PSI)
5/2/2011 13:20	161400.001	1.649	3.441
5/2/2011 13:30	162000.001	1.646	3.443
5/2/2011 13:40	162600.001	1.644	3.444
5/2/2011 13:50	163200.001	1.639	3.446
5/2/2011 14:00	163800.001	1.635	3.447
5/2/2011 14:10	164400.001	1.63	3.45
5/2/2011 14:20	165000.001	1.629	3.45
5/2/2011 14:30	165600.001	1.628	3.45
5/2/2011 14:40	166200.001	1.624	3.452
5/2/2011 14:50	166800.001	1.619	3.454
5/2/2011 15:00	167400.001	1.614	3.457
5/2/2011 15:10	168000.001	1.613	3.457
5/2/2011 15:20	168600.001	1.609	3.459
5/2/2011 15:30	169200.001	1.602	3.462
5/2/2011 15:40	169800.001	1.596	3.465
5/2/2011 15:50	170400.001	1.593	3.466
5/2/2011 16:00	171000.001	1.589	3.467
5/2/2011 16:10	171600.001	1.589	3.467
5/2/2011 16:20	172200.001	1.588	3.468
5/2/2011 16:30	172800.001	1.585	3.469
5/2/2011 16:30	172810.001	1.583	3.47
5/2/2011 16:30	172820.001	1.584	3.47
5/2/2011 16:30	172830.001	1.583	3.47
5/2/2011 16:30	172840.001	1.583	3.47
5/2/2011 16:30	172850.001	1.584	3.469
5/2/2011 16:31	172860.001	1.583	3.47
5/2/2011 16:31	172870.001	1.58	3.471
5/2/2011 16:31	172880.001	1.575	3.473
5/2/2011 16:31	172890.001	1.57	3.476
5/2/2011 16:31	172900.001	1.559	3.48
5/2/2011 16:31	172910.001	1.546	3.486
5/2/2011 16:32	172920.001	1.529	3.493
5/2/2011 16:32	172930.001	1.514	3.5
5/2/2011 16:32	172940.001	1.495	3.508
5/2/2011 16:32	172950.001	1.477	3.516
5/2/2011 16:32	172960.001	1.457	3.525
5/2/2011 16:32	172970.001	1.438	3.533
5/2/2011 16:33	172980.001	1.415	3.543
5/2/2011 16:33	172990.001	1.397	3.551
5/2/2011 16:33	173000.001	1.378	3.559
5/2/2011 16:33	173010.001	1.358	3.568
5/2/2011 16:33	173020.001	1.34	3.575
5/2/2011 16:33	173030.001	1.321	3.583
5/2/2011 16:34	173040.001	1.302	3.592
5/2/2011 16:34	173050.001	1.284	3.599

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 169837 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 169837 Pressure (PSI)
5/2/2011 16:34	173060.001	1.264	3.608
5/2/2011 16:34	173070.001	1.248	3.615
5/2/2011 16:34	173080.001	1.232	3.622
5/2/2011 16:34	173090.001	1.216	3.629
5/2/2011 16:35	173100.001	1.198	3.637
5/2/2011 16:35	173110.001	1.184	3.643
5/2/2011 16:35	173120.001	1.168	3.65
5/2/2011 16:35	173130.001	1.153	3.656
5/2/2011 16:35	173140.001	1.139	3.662
5/2/2011 16:35	173150.001	1.126	3.668
5/2/2011 16:36	173160.001	1.112	3.674
5/2/2011 16:36	173170.001	1.096	3.681
5/2/2011 16:36	173180.001	1.085	3.686
5/2/2011 16:36	173190.001	1.072	3.691
5/2/2011 16:36	173200.001	1.059	3.697
5/2/2011 16:36	173210.001	1.045	3.703
5/2/2011 16:37	173220.001	1.034	3.708
5/2/2011 16:37	173230.001	1.022	3.713
5/2/2011 16:37	173240.001	1.009	3.719
5/2/2011 16:37	173250.001	0.998	3.723
5/2/2011 16:37	173260.001	0.989	3.727
5/2/2011 16:37	173270.001	0.977	3.732
5/2/2011 16:38	173280.001	0.966	3.737
5/2/2011 16:38	173290.001	0.956	3.742
5/2/2011 16:38	173300.001	0.945	3.746
5/2/2011 16:38	173310.001	0.934	3.751
5/2/2011 16:38	173320.001	0.923	3.756
5/2/2011 16:38	173330.001	0.913	3.76
5/2/2011 16:39	173340.001	0.905	3.764
5/2/2011 16:39	173350.001	0.894	3.768
5/2/2011 16:39	173360.001	0.884	3.773
5/2/2011 16:39	173370.001	0.875	3.777
5/2/2011 16:39	173380.001	0.869	3.779
5/2/2011 16:39	173390.001	0.857	3.784
5/2/2011 16:40	173400.001	0.847	3.789
5/2/2011 16:41	173500.001	0.77	3.822
5/2/2011 16:43	173600.001	0.699	3.853
5/2/2011 16:45	173700.001	0.637	3.88
5/2/2011 16:46	173800.001	0.581	3.904
5/2/2011 16:48	173900.001	0.533	3.925
5/2/2011 16:50	174000.001	0.489	3.944
5/2/2011 16:51	174100.001	0.449	3.961
5/2/2011 16:53	174200.001	0.414	3.976
5/2/2011 16:55	174300.001	0.385	3.989
5/2/2011 16:56	174400.001	0.354	4.002

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 169837 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 169837 Pressure (PSI)
5/2/2011 16:58	174500.001	0.331	4.012
5/2/2011 17:00	174600.001	0.307	4.023
5/2/2011 17:01	174700.001	0.287	4.031
5/2/2011 17:03	174800.001	0.264	4.041
5/2/2011 17:05	174900.001	0.249	4.048
5/2/2011 17:06	175000.001	0.233	4.055
5/2/2011 17:08	175100.001	0.217	4.061
5/2/2011 17:10	175200.001	0.205	4.067
5/2/2011 17:11	175300.001	0.193	4.072
5/2/2011 17:13	175400.001	0.184	4.076
5/2/2011 17:15	175500.001	0.173	4.081
5/2/2011 17:16	175600.001	0.164	4.084
5/2/2011 17:18	175700.001	0.157	4.088
5/2/2011 17:20	175800.001	0.151	4.09
5/2/2011 17:21	175900.001	0.142	4.094
5/2/2011 17:23	176000.001	0.137	4.096
5/2/2011 17:25	176100.001	0.132	4.099
5/2/2011 17:26	176200.001	0.125	4.101
5/2/2011 17:28	176300.001	0.121	4.103
5/2/2011 17:30	176400.001	0.119	4.104
5/2/2011 17:31	176500.001	0.114	4.106
5/2/2011 17:33	176600.001	0.108	4.109
5/2/2011 17:35	176700.001	0.104	4.111
5/2/2011 17:36	176800.001	0.098	4.113
5/2/2011 17:38	176900.001	0.096	4.114
5/2/2011 17:40	177000.001	0.095	4.114
5/2/2011 17:41	177100.001	0.091	4.116
5/2/2011 17:43	177200.001	0.09	4.117
5/2/2011 17:45	177300.001	0.088	4.117
5/2/2011 17:46	177400.001	0.087	4.118
5/2/2011 17:48	177500.001	0.084	4.119
5/2/2011 17:50	177600.001	0.083	4.12
5/2/2011 17:51	177700.001	0.08	4.121
5/2/2011 17:53	177800.001	0.078	4.122
5/2/2011 17:55	177900.001	0.076	4.123
5/2/2011 17:56	178000.001	0.077	4.122
5/2/2011 17:58	178100.001	0.073	4.124
5/2/2011 18:00	178200.001	0.073	4.124
5/2/2011 18:01	178300.001	0.073	4.124
5/2/2011 18:03	178400.001	0.073	4.124
5/2/2011 18:05	178500.001	0.072	4.124
5/2/2011 18:06	178600.001	0.069	4.125
5/2/2011 18:08	178700.001	0.068	4.126
5/2/2011 18:10	178800.001	0.067	4.127
5/2/2011 18:26	179800.001	0.059	4.13

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 169837 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 169837 Pressure (PSI)
5/2/2011 18:43	180800.001	0.056	4.131
5/2/2011 19:00	181800.001	0.053	4.132
5/2/2011 19:16	182800.001	0.055	4.132
5/2/2011 19:33	183800.001	0.057	4.131
5/2/2011 19:50	184800.001	0.057	4.131
5/2/2011 20:06	185800.001	0.059	4.13
5/2/2011 20:23	186800.001	0.06	4.129
5/2/2011 20:40	187800.001	0.066	4.127
5/2/2011 20:56	188800.001	0.073	4.124
5/2/2011 21:13	189800.001	0.076	4.123
5/2/2011 21:30	190800.001	0.079	4.121
5/2/2011 21:46	191800.001	0.08	4.121
5/2/2011 22:03	192800.001	0.084	4.119
5/2/2011 22:20	193800.001	0.086	4.118
5/2/2011 22:36	194800.001	0.086	4.118
5/2/2011 22:53	195800.001	0.09	4.116
5/2/2011 23:10	196800.001	0.088	4.118
5/2/2011 23:26	197800.001	0.088	4.117
5/2/2011 23:43	198800.001	0.088	4.118
5/3/2011 0:00	199800.001	0.084	4.119
5/3/2011 0:16	200800.001	0.087	4.118
5/3/2011 0:33	201800.001	0.08	4.121
5/3/2011 0:50	202800.001	0.077	4.122
5/3/2011 1:06	203800.001	0.075	4.123
5/3/2011 1:23	204800.001	0.073	4.124
5/3/2011 1:40	205800.001	0.07	4.125
5/3/2011 1:56	206800.001	0.061	4.129
5/3/2011 2:13	207800.001	0.053	4.132
5/3/2011 2:30	208800.001	0.052	4.133
5/3/2011 2:46	209800.001	0.048	4.135
5/3/2011 3:03	210800.001	0.048	4.135
5/3/2011 3:20	211800.001	0.053	4.133
5/3/2011 3:36	212800.001	0.051	4.134
5/3/2011 3:53	213800.001	0.052	4.133
5/3/2011 4:10	214800.001	0.054	4.132
5/3/2011 4:26	215800.001	0.057	4.131
5/3/2011 4:43	216800.001	0.058	4.13
5/3/2011 5:00	217800.001	0.055	4.132
5/3/2011 5:16	218800.001	0.056	4.131
5/3/2011 5:33	219800.001	0.056	4.131
5/3/2011 5:50	220800.001	0.055	4.132
5/3/2011 6:06	221800.001	0.055	4.132
5/3/2011 6:23	222800.001	0.057	4.131
5/3/2011 6:40	223800.001	0.063	4.128
5/3/2011 6:56	224800.001	0.065	4.128

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 169837 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 169837 Pressure (PSI)
5/3/2011 7:13	225800.001	0.068	4.126
5/3/2011 7:30	226800.001	0.072	4.124
5/3/2011 7:46	227800.001	0.073	4.124
5/3/2011 8:03	228800.001	0.078	4.122
5/3/2011 8:20	229800.001	0.081	4.12
5/3/2011 8:36	230800.001	0.079	4.121
5/3/2011 8:53	231800.001	0.083	4.12
5/3/2011 9:10	232800.001	0.084	4.119
5/3/2011 11:56	242760.001	0.07	4.125
5/3/2011 14:42	252720.001	0.031	4.142
5/3/2011 17:28	262680.001	-0.002	4.156
5/3/2011 20:14	272640.001	-0.001	4.156
5/3/2011 23:00	282600.001	0.034	4.141
5/4/2011 1:46	292560.001	0.039	4.139
5/4/2011 4:32	302520.001	0.02	4.147
5/4/2011 7:18	312480.001	0.004	4.154
5/4/2011 10:04	322440.001	-0.002	4.156
5/4/2011 12:50	332400.001	-0.037	4.172
5/4/2011 15:36	342360.001	-0.08	4.19
5/4/2011 18:22	352320.001	-0.034	4.17
5/4/2011 21:08	362280.001	0.051	4.133
5/4/2011 23:54	372240.001	0.1	4.112
5/5/2011 2:40	382200.001	0.107	4.109
5/5/2011 5:26	392160.001	0.076	4.123
5/5/2011 8:12	402120.001	0.073	4.124
5/5/2011 10:58	412080.001	0.067	4.127
5/5/2011 13:44	422040.001	0.028	4.143
5/5/2011 16:30	432000.001	-0.002	4.157
5/5/2011 19:16	441960.001	-0.03	4.169
5/5/2011 22:02	451920.001	-0.017	4.163
5/6/2011 0:48	461880.001	-0.02	4.164
5/6/2011 3:34	471840.001	-0.051	4.178
5/6/2011 6:20	481800.001	-0.077	4.189
5/6/2011 9:06	491760.001	-0.101	4.2
5/6/2011 11:52	501720.001	-0.128	4.211
5/6/2011 14:38	511680.001	-0.149	4.22
5/6/2011 17:24	521640.001	-0.121	4.208
5/6/2011 20:10	531600.001	-0.049	4.177
5/6/2011 22:56	541560.001	0.007	4.153
5/7/2011 1:42	551520.001	-0.017	4.163
5/7/2011 4:28	561480.001	0.023	4.146
5/7/2011 7:14	571440.001	0.025	4.145
5/7/2011 10:00	581400.001	0.057	4.131
5/7/2011 12:46	591360.001	0.04	4.138
5/7/2011 15:32	601320.001	0.003	4.154

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 169837 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 169837 Pressure (PSI)
5/7/2011 15:32	601330.001	0.003	4.154
5/7/2011 15:32	601340.001	0.002	4.155
5/7/2011 15:32	601350.001	-0.001	4.156
5/7/2011 15:32	601360.001	0.001	4.155
5/7/2011 15:32	601370.001	-0.001	4.156
5/7/2011 15:33	601380.001	0.001	4.155
5/7/2011 15:33	601390.001	-0.001	4.156
5/7/2011 15:33	601400.001	0.001	4.155
5/7/2011 15:33	601410.001	0.001	4.155
5/7/2011 15:33	601420.001	0	4.155
5/7/2011 15:33	601430.001	0	4.155
5/7/2011 15:34	601440.001	0	4.155
5/7/2011 15:34	601450.001	0	4.156
5/7/2011 15:34	601460.001	0	4.156
5/7/2011 15:34	601470.001	-0.003	4.157
5/7/2011 15:34	601480.001	0	4.156
5/7/2011 15:34	601490.001	-0.001	4.156
5/7/2011 15:35	601500.001	-0.001	4.156
5/7/2011 15:35	601510.001	-0.001	4.156
5/7/2011 15:35	601520.001	-0.001	4.156
5/7/2011 15:35	601530.001	0	4.155
5/7/2011 15:35	601540.001	-0.004	4.157
5/7/2011 15:35	601550.001	-0.002	4.157
5/7/2011 15:36	601560.001	-0.003	4.157
5/7/2011 15:36	601570.001	0	4.156
5/7/2011 15:36	601580.001	-0.002	4.157
5/7/2011 15:36	601590.001	-0.002	4.157
5/7/2011 15:36	601600.001	-0.002	4.156
5/7/2011 15:36	601610.001	-0.003	4.157
5/7/2011 15:37	601620.001	-0.001	4.156
5/7/2011 15:37	601630.001	-0.001	4.156
5/7/2011 15:37	601640.001	-0.004	4.157
5/7/2011 15:37	601650.001	-0.004	4.158
5/7/2011 15:37	601660.001	-0.003	4.157
5/7/2011 15:37	601670.001	-0.004	4.157
5/7/2011 15:38	601680.001	-0.002	4.156
5/7/2011 15:38	601690.001	-0.004	4.157
5/7/2011 15:38	601700.001	-0.001	4.156
5/7/2011 15:38	601710.001	0	4.156
5/7/2011 15:38	601720.001	-0.003	4.157
5/7/2011 15:38	601730.001	-0.001	4.156
5/7/2011 15:39	601740.001	-0.003	4.157
5/7/2011 15:39	601750.001	-0.002	4.156
5/7/2011 15:39	601760.001	-0.003	4.157
5/7/2011 15:39	601770.001	-0.003	4.157

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 169837 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 169837 Pressure (PSI)
5/7/2011 15:39	601780.001	-0.004	4.157
5/7/2011 15:39	601790.001	-0.005	4.158
5/7/2011 15:40	601800.001	-0.003	4.157
5/7/2011 15:40	601810.001	-0.004	4.157
5/7/2011 15:40	601820.001	-0.003	4.157
5/7/2011 15:40	601830.001	-0.004	4.157
5/7/2011 15:40	601840.001	-0.003	4.157
5/7/2011 15:40	601850.001	-0.003	4.157
5/7/2011 15:41	601860.001	-0.005	4.158
5/7/2011 15:41	601870.001	-0.005	4.158
5/7/2011 15:41	601880.001	-0.006	4.158
5/7/2011 15:41	601890.001	-0.005	4.158
5/7/2011 15:41	601900.001	-0.003	4.157
5/7/2011 15:41	601910.001	-0.004	4.157
5/7/2011 15:42	601920.001	-0.006	4.158
5/7/2011 15:43	602020.001	-0.005	4.158
5/7/2011 15:45	602120.001	-0.007	4.158
5/7/2011 15:47	602220.001	-0.005	4.158
5/7/2011 15:48	602320.001	-0.006	4.158
5/7/2011 15:50	602420.001	-0.008	4.159
5/7/2011 15:52	602520.001	-0.008	4.159
5/7/2011 15:53	602620.001	-0.009	4.159
5/7/2011 15:55	602720.001	-0.011	4.16
5/7/2011 15:57	602820.001	-0.012	4.161
5/7/2011 15:58	602920.001	-0.012	4.161
5/7/2011 16:00	603020.001	-0.008	4.159
5/7/2011 16:02	603120.001	-0.011	4.16
5/7/2011 16:03	603220.001	-0.01	4.16
5/7/2011 16:05	603320.001	-0.012	4.161
5/7/2011 16:07	603420.001	-0.012	4.161
5/7/2011 16:08	603520.001	-0.012	4.161
5/7/2011 16:10	603620.001	-0.011	4.16
5/7/2011 16:12	603720.001	-0.012	4.161
5/7/2011 16:13	603820.001	-0.013	4.161
5/7/2011 16:15	603920.001	-0.009	4.16
5/7/2011 16:17	604020.001	-0.014	4.161
5/7/2011 16:18	604120.001	-0.013	4.161
5/7/2011 16:20	604220.001	-0.014	4.162
5/7/2011 16:22	604320.001	-0.016	4.162
5/7/2011 16:23	604420.001	-0.015	4.162
5/7/2011 16:25	604520.001	-0.018	4.163
5/7/2011 16:27	604620.001	-0.016	4.163
5/7/2011 16:28	604720.001	-0.018	4.163
5/7/2011 16:30	604820.001	-0.02	4.164
5/7/2011 16:32	604920.001	-0.019	4.164

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 169837 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 169837 Pressure (PSI)
5/7/2011 16:33	605020.001	0.07	4.125
5/7/2011 16:35	605120.001	0.33	4.013
5/7/2011 16:37	605220.001	0.52	3.93
5/7/2011 16:38	605320.001	0.658	3.871
5/7/2011 16:40	605420.001	0.771	3.822
5/7/2011 16:42	605520.001	0.866	3.78
5/7/2011 16:43	605620.001	0.941	3.748
5/7/2011 16:45	605720.001	1.005	3.72
5/7/2011 16:47	605820.001	1.062	3.696
5/7/2011 16:48	605920.001	1.111	3.674
5/7/2011 16:50	606020.001	1.155	3.655
5/7/2011 16:52	606120.001	1.195	3.638
5/7/2011 16:53	606220.001	1.229	3.623
5/7/2011 16:55	606320.001	1.257	3.611
5/7/2011 16:57	606420.001	1.282	3.6
5/7/2011 16:58	606520.001	1.305	3.59
5/7/2011 17:00	606620.001	1.326	3.581
5/7/2011 17:02	606720.001	1.343	3.574
5/7/2011 17:03	606820.001	1.36	3.567
5/7/2011 17:05	606920.001	1.373	3.561
5/7/2011 17:07	607020.001	1.386	3.555
5/7/2011 17:08	607120.001	1.397	3.55
5/7/2011 17:10	607220.001	1.407	3.546
5/7/2011 17:12	607320.001	1.418	3.542
5/7/2011 17:28	608320.001	1.469	3.519
5/7/2011 17:45	609320.001	1.488	3.511
5/7/2011 18:02	610320.001	1.492	3.51
5/7/2011 18:18	611320.001	1.497	3.507
5/7/2011 18:35	612320.001	1.495	3.508
5/7/2011 18:52	613320.001	1.494	3.509
5/7/2011 19:08	614320.001	1.494	3.508
5/7/2011 19:25	615320.001	1.493	3.509
5/7/2011 19:42	616320.001	1.493	3.509
5/7/2011 19:58	617320.001	1.495	3.508
5/7/2011 20:15	618320.001	1.491	3.51
5/7/2011 20:32	619320.001	1.491	3.51
5/7/2011 20:48	620320.001	1.49	3.51
5/7/2011 21:05	621320.001	1.492	3.509
5/7/2011 21:22	622320.001	1.497	3.507
5/7/2011 21:38	623320.001	1.496	3.508
5/7/2011 21:55	624320.001	1.496	3.508
5/7/2011 22:12	625320.001	1.495	3.508
5/7/2011 22:28	626320.001	1.495	3.508
5/7/2011 22:45	627320.001	1.49	3.51
5/7/2011 23:02	628320.001	1.487	3.512

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 169837 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 169837 Pressure (PSI)
5/7/2011 23:18	629320.001	1.485	3.512
5/7/2011 23:35	630320.001	1.482	3.514
5/7/2011 23:52	631320.001	1.477	3.516
5/8/2011 0:08	632320.001	1.478	3.515
5/8/2011 0:25	633320.001	1.476	3.516
5/8/2011 0:42	634320.001	1.476	3.516
5/8/2011 0:58	635320.001	1.477	3.516
5/8/2011 1:15	636320.001	1.474	3.517
5/8/2011 1:32	637320.001	1.477	3.516
5/8/2011 1:48	638320.001	1.47	3.519
5/8/2011 2:05	639320.001	1.467	3.52
5/8/2011 2:22	640320.001	1.47	3.519
5/8/2011 2:38	641320.001	1.465	3.521
5/8/2011 2:55	642320.001	1.461	3.523
5/8/2011 3:12	643320.001	1.456	3.525
5/8/2011 3:28	644320.001	1.456	3.525
5/8/2011 3:45	645320.001	1.457	3.524
5/8/2011 4:02	646320.001	1.466	3.521
5/8/2011 4:18	647320.001	1.463	3.522
5/8/2011 4:35	648320.001	1.461	3.523
5/8/2011 4:52	649320.001	1.463	3.522
5/8/2011 5:08	650320.001	1.46	3.523
5/8/2011 5:25	651320.001	1.464	3.522
5/8/2011 5:42	652320.001	1.454	3.526
5/8/2011 5:58	653320.001	1.449	3.528
5/8/2011 6:15	654320.001	1.452	3.527
5/8/2011 6:32	655320.001	1.45	3.528
5/8/2011 6:48	656320.001	1.448	3.528
5/8/2011 7:05	657320.001	1.45	3.528
5/8/2011 7:22	658320.001	1.451	3.527
5/8/2011 7:38	659320.001	1.445	3.53
5/8/2011 7:55	660320.001	1.441	3.532
5/8/2011 8:12	661320.001	1.436	3.534
5/8/2011 10:58	671280.001	1.409	3.545
5/8/2011 13:44	681240.001	1.362	3.566
5/8/2011 16:30	691200.001	1.354	3.569
5/8/2011 19:16	701160.001	1.357	3.568
5/8/2011 22:02	711120.001	1.392	3.553
5/9/2011 0:48	721080.001	1.389	3.554
5/9/2011 3:34	731040.001	1.373	3.561
5/9/2011 6:20	741000.001	1.381	3.557
5/9/2011 9:06	750960.001	1.404	3.547
5/9/2011 11:52	760920.001	1.424	3.539
5/9/2011 14:38	770880.001	1.414	3.543
5/9/2011 17:24	780840.001	1.524	3.496

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 169837 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 169837 Pressure (PSI)
5/9/2011 20:10	790800.001	1.804	3.374
5/9/2011 22:56	800760.001	1.873	3.344
5/10/2011 1:42	810720.001	1.866	3.348
5/10/2011 4:28	820680.001	1.877	3.343
5/10/2011 7:14	830640.001	1.944	3.314
5/10/2011 10:00	840600.001	2.016	3.283
5/10/2011 12:46	850560.001	1.9	3.333
5/10/2011 15:32	860520.001	1.941	3.315
5/10/2011 18:18	870480.001	1.962	3.306
5/10/2011 21:04	880440.001	1.98	3.298
5/10/2011 23:50	890400.001	2.011	3.285
5/11/2011 2:36	900360.001	2.002	3.289
5/11/2011 5:22	910320.001	2.016	3.283
5/11/2011 8:08	920280.001	2.059	3.264
5/11/2011 10:54	930240.001	2.018	3.281
5/11/2011 13:40	940200.001	1.748	3.398
5/11/2011 16:26	950160.001	1.525	3.495
5/11/2011 19:12	960120.001	1.566	3.477
5/11/2011 21:58	970080.001	1.548	3.485
5/12/2011 0:44	980040.001	1.519	3.498
5/12/2011 3:30	990000.001	1.502	3.505
5/12/2011 6:16	999960.001	1.503	3.505
5/12/2011 9:02	1009920.001	1.538	3.489
5/12/2011 11:48	1019880.001	1.53	3.493
5/12/2011 14:34	1029840.001	1.502	3.505

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Report Date:	5/16/2011 9:33
Report User Nam	jgadt
Report Computer	KS-FIELD2-LTP
Application:	WinSitu.exe
Application Versi	5.6.21.0

Log File Properties

File Name	MW13E_043011_FST_2011-05-12_17-50-35-640.wsl
Create Date	5/12/2011 17:50

Device Properties

Device	Level TROLL 700				
Site	MW-13E				
Device Name					
Serial Number		151736			
Firmware Version		2.08			
Hardware Versior		3			
Device Address		1			
Device Comm Cfg		19200	8	Even	1
Used Memory		3			
Used Battery		10			

Log Configuration

	Log Name	MW13E_043011_FST
	Created By	jgadt
	Computer Name	KS-FIELD2-LTP
	Application	WinSitu.exe
	Application Version	5.6.21.0
	Create Date	4/30/2011 3:54:06 PM Central Daylight Time
	Log Setup Time Zone	Central Daylight Time
	Notes Size(bytes)	4096
	Overwrite when full	Disabled
	Scheduled Start Time	4/30/2011 4:30:00 PM Central Daylight Time
	Scheduled Stop Time	5/12/2011 4:30:00 PM Central Daylight Time
	Type	Step Test
Steps	9 (Linear)	
	Step	1
	Duration	Days: 2 hrs: 00 mins: 00 secs: 00
	Interval	Days: 0 hrs: 00 mins: 10 secs: 00
	Step	2
	Duration	Days: 0 hrs: 00 mins: 10 secs: 00
	Interval	Days: 0 hrs: 00 mins: 00 secs: 10
	Step	3
	Duration	Days: 0 hrs: 01 mins: 30 secs: 00
	Interval	Days: 0 hrs: 00 mins: 01 secs: 40
	Step	4
	Duration	Days: 0 hrs: 15 mins: 00 secs: 00

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Interval	Days: 0 hrs: 00 mins: 16 secs: 40
Step	5
Duration	Days: 4 hrs: 07 mins: 20 secs: 00
Interval	Days: 0 hrs: 02 mins: 46 secs: 00
Step	6
Duration	Days: 0 hrs: 00 mins: 10 secs: 00
Interval	Days: 0 hrs: 00 mins: 00 secs: 10
Step	7
Duration	Days: 0 hrs: 01 mins: 30 secs: 00
Interval	Days: 0 hrs: 00 mins: 01 secs: 40
Step	8
Duration	Days: 0 hrs: 15 mins: 00 secs: 00
Interval	Days: 0 hrs: 00 mins: 16 secs: 40
Step	9
Duration	Days: 4 hrs: 07 mins: 20 secs: 00
Interval	Days: 0 hrs: 02 mins: 46 secs: 00

Level Reference Settings At Log Creation

Level Measurement Mode	Level Depth To Water
Specific Gravity	0.999
Level Reference Mode:	Set new reference
Level Reference Value:	0 (ft)
Level Reference Head Pressure	5.19901 (PSI)

Other Log Settings

Depth of Probe:	11.9865 (ft)
Head Pressure:	5.19126 (PSI)
Temperature:	12.7285 (C)

Log Notes:

Date and Time	Note
4/30/2011 15:54	Used Battery: 10% Used Memory: 3% User Name: jgadt

Log Data:

Record Count	699		
Sensors	1		
	1	151736	Pressure/Temp 15 PSIG (11m/35ft)

Time Zone: Central Daylight Time

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 151736 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 151736 Pressure (PSI)
4/30/2011 16:30	0	-0.011	5.204
4/30/2011 16:40	600.001	0.018	5.191
4/30/2011 16:50	1200.001	0.081	5.164
4/30/2011 17:00	1800.001	0.093	5.159
4/30/2011 17:10	2400.001	0.082	5.163
4/30/2011 17:20	3000.001	0.084	5.163
4/30/2011 17:30	3600.001	0.064	5.171
4/30/2011 17:40	4200.001	0.069	5.169
4/30/2011 17:50	4800.001	0.053	5.176
4/30/2011 18:00	5400.001	0.057	5.174
4/30/2011 18:10	6000.001	0.054	5.176
4/30/2011 18:20	6600.001	0.052	5.176
4/30/2011 18:30	7200.001	0.04	5.182
4/30/2011 18:40	7800.001	0.024	5.189
4/30/2011 18:50	8400.001	0.042	5.181
4/30/2011 19:00	9000.001	0.042	5.181
4/30/2011 19:10	9600.001	0.021	5.19
4/30/2011 19:20	10200.001	0.013	5.193
4/30/2011 19:30	10800.001	0.018	5.191
4/30/2011 19:40	11400.001	0.025	5.188
4/30/2011 19:50	12000.001	0.01	5.195
4/30/2011 20:00	12600.001	0.092	5.159
4/30/2011 20:10	13200.001	0.082	5.163
4/30/2011 20:20	13800.001	0.074	5.167
4/30/2011 20:30	14400.001	0.08	5.164
4/30/2011 20:40	15000.001	0.09	5.16
4/30/2011 20:50	15600.001	0.085	5.162
4/30/2011 21:00	16200.001	0.084	5.163
4/30/2011 21:10	16800.001	0.077	5.166
4/30/2011 21:20	17400.001	0.079	5.165
4/30/2011 21:30	18000.001	0.076	5.166
4/30/2011 21:40	18600.001	0.07	5.169
4/30/2011 21:50	19200.001	0.067	5.17
4/30/2011 22:00	19800.001	0.074	5.167
4/30/2011 22:10	20400.001	0.071	5.168
4/30/2011 22:20	21000.001	0.07	5.169
4/30/2011 22:30	21600.001	0.065	5.171
4/30/2011 22:40	22200.001	0.061	5.172
4/30/2011 22:50	22800.001	0.06	5.173
4/30/2011 23:00	23400.001	0.057	5.174
4/30/2011 23:10	24000.001	0.049	5.178
4/30/2011 23:20	24600.001	0.095	5.158
4/30/2011 23:30	25200.001	0.1	5.156
4/30/2011 23:40	25800.001	0.099	5.156
4/30/2011 23:50	26400.001	0.099	5.156

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 151736 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 151736 Pressure (PSI)
5/1/2011 0:00	27000.001	0.092	5.159
5/1/2011 0:10	27600.001	0.083	5.163
5/1/2011 0:20	28200.001	0.084	5.163
5/1/2011 0:30	28800.001	0.082	5.163
5/1/2011 0:40	29400.001	0.077	5.166
5/1/2011 0:50	30000.001	0.078	5.165
5/1/2011 1:00	30600.001	0.081	5.164
5/1/2011 1:10	31200.001	0.089	5.16
5/1/2011 1:20	31800.001	0.089	5.161
5/1/2011 1:30	32400.001	0.077	5.166
5/1/2011 1:40	33000.001	0.08	5.164
5/1/2011 1:50	33600.001	0.08	5.164
5/1/2011 2:00	34200.001	0.077	5.166
5/1/2011 2:10	34800.001	0.071	5.168
5/1/2011 2:20	35400.001	0.073	5.167
5/1/2011 2:30	36000.001	0.07	5.169
5/1/2011 2:40	36600.001	0.069	5.169
5/1/2011 2:50	37200.001	0.067	5.17
5/1/2011 3:00	37800.001	0.068	5.169
5/1/2011 3:10	38400.001	0.065	5.171
5/1/2011 3:20	39000.001	0.059	5.174
5/1/2011 3:30	39600.001	0.053	5.176
5/1/2011 3:40	40200.001	0.051	5.177
5/1/2011 3:50	40800.001	0.048	5.178
5/1/2011 4:00	41400.001	0.044	5.18
5/1/2011 4:10	42000.001	0.041	5.181
5/1/2011 4:20	42600.001	0.038	5.183
5/1/2011 4:30	43200.001	0.04	5.182
5/1/2011 4:40	43800.001	0.032	5.185
5/1/2011 4:50	44400.001	0.029	5.186
5/1/2011 5:00	45000.001	0.027	5.187
5/1/2011 5:10	45600.001	0.022	5.19
5/1/2011 5:20	46200.001	0.018	5.191
5/1/2011 5:30	46800.001	0.011	5.194
5/1/2011 5:40	47400.001	0.015	5.192
5/1/2011 5:50	48000.001	0.012	5.194
5/1/2011 6:00	48600.001	0.01	5.195
5/1/2011 6:10	49200.001	0.005	5.197
5/1/2011 6:20	49800.001	0.01	5.195
5/1/2011 6:30	50400.001	0.015	5.192
5/1/2011 6:40	51000.001	0.013	5.193
5/1/2011 6:50	51600.001	0.011	5.194
5/1/2011 7:00	52200.001	0.01	5.194
5/1/2011 7:10	52800.001	0.012	5.194
5/1/2011 7:20	53400.001	0.016	5.192

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 151736 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 151736 Pressure (PSI)
5/1/2011 7:30	54000.001	0.015	5.192
5/1/2011 7:40	54600.001	0.017	5.192
5/1/2011 7:50	55200.001	0.017	5.191
5/1/2011 8:00	55800.001	0.02	5.19
5/1/2011 8:10	56400.001	0.026	5.188
5/1/2011 8:20	57000.001	0.025	5.188
5/1/2011 8:30	57600.001	0.026	5.188
5/1/2011 8:40	58200.001	0.026	5.188
5/1/2011 8:50	58800.001	0.027	5.187
5/1/2011 9:00	59400.001	0.027	5.187
5/1/2011 9:10	60000.001	0.03	5.186
5/1/2011 9:20	60600.001	0.024	5.189
5/1/2011 9:30	61200.001	0.028	5.187
5/1/2011 9:40	61800.001	0.026	5.188
5/1/2011 9:50	62400.001	0.026	5.188
5/1/2011 10:00	63000.001	0.029	5.187
5/1/2011 10:10	63600.001	0.035	5.184
5/1/2011 10:20	64200.001	0.041	5.181
5/1/2011 10:30	64800.001	0.043	5.18
5/1/2011 10:40	65400.001	0.054	5.176
5/1/2011 10:50	66000.001	0.047	5.179
5/1/2011 11:00	66600.001	0.057	5.174
5/1/2011 11:10	67200.001	0.058	5.174
5/1/2011 11:20	67800.001	0.059	5.173
5/1/2011 11:30	68400.001	0.069	5.169
5/1/2011 11:40	69000.001	0.069	5.169
5/1/2011 11:50	69600.001	0.078	5.165
5/1/2011 12:00	70200.001	0.083	5.163
5/1/2011 12:10	70800.001	0.086	5.162
5/1/2011 12:20	71400.001	0.09	5.16
5/1/2011 12:30	72000.001	0.097	5.157
5/1/2011 12:40	72600.001	0.107	5.153
5/1/2011 12:50	73200.001	0.1	5.156
5/1/2011 13:00	73800.001	0.104	5.154
5/1/2011 13:10	74400.001	0.106	5.153
5/1/2011 13:20	75000.001	0.112	5.15
5/1/2011 13:30	75600.001	0.112	5.15
5/1/2011 13:40	76200.001	0.11	5.151
5/1/2011 13:50	76800.001	0.108	5.152
5/1/2011 14:00	77400.001	0.108	5.152
5/1/2011 14:10	78000.001	0.107	5.152
5/1/2011 14:20	78600.001	0.104	5.154
5/1/2011 14:30	79200.001	0.106	5.153
5/1/2011 14:40	79800.001	0.114	5.15
5/1/2011 14:50	80400.001	0.113	5.15

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 151736 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 151736 Pressure (PSI)
5/1/2011 15:00	81000.001	0.111	5.151
5/1/2011 15:10	81600.001	0.105	5.153
5/1/2011 15:20	82200.001	0.119	5.148
5/1/2011 15:30	82800.001	0.122	5.146
5/1/2011 15:40	83400.001	0.129	5.143
5/1/2011 15:50	84000.001	0.134	5.141
5/1/2011 16:00	84600.001	0.12	5.147
5/1/2011 16:10	85200.001	0.123	5.146
5/1/2011 16:20	85800.001	0.129	5.143
5/1/2011 16:30	86400.001	0.126	5.145
5/1/2011 16:40	87000.001	0.119	5.148
5/1/2011 16:50	87600.001	0.119	5.147
5/1/2011 17:00	88200.001	0.109	5.152
5/1/2011 17:10	88800.001	0.117	5.148
5/1/2011 17:20	89400.001	0.1	5.155
5/1/2011 17:30	90000.001	0.1	5.156
5/1/2011 17:40	90600.001	0.101	5.155
5/1/2011 17:50	91200.001	0.114	5.15
5/1/2011 18:00	91800.001	0.123	5.146
5/1/2011 18:10	92400.001	0.096	5.157
5/1/2011 18:20	93000.001	0.1	5.156
5/1/2011 18:30	93600.001	0.104	5.154
5/1/2011 18:40	94200.001	0.105	5.153
5/1/2011 18:50	94800.001	0.1	5.156
5/1/2011 19:00	95400.001	0.098	5.156
5/1/2011 19:10	96000.001	0.096	5.157
5/1/2011 19:20	96600.001	0.068	5.169
5/1/2011 19:30	97200.001	0.088	5.161
5/1/2011 19:40	97800.001	0.094	5.158
5/1/2011 19:50	98400.001	0.086	5.162
5/1/2011 20:00	99000.001	0.075	5.166
5/1/2011 20:10	99600.001	0.069	5.169
5/1/2011 20:20	100200.001	0.065	5.171
5/1/2011 20:30	100800.001	0.058	5.174
5/1/2011 20:40	101400.001	0.055	5.175
5/1/2011 20:50	102000.001	0.052	5.176
5/1/2011 21:00	102600.001	0.046	5.179
5/1/2011 21:10	103200.001	0.045	5.179
5/1/2011 21:20	103800.001	0.042	5.181
5/1/2011 21:30	104400.001	0.04	5.182
5/1/2011 21:40	105000.001	0.035	5.184
5/1/2011 21:50	105600.001	0.03	5.186
5/1/2011 22:00	106200.001	0.03	5.186
5/1/2011 22:10	106800.001	0.03	5.186
5/1/2011 22:20	107400.001	0.028	5.187

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 151736 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 151736 Pressure (PSI)
5/1/2011 22:30	108000.001	0.024	5.188
5/1/2011 22:40	108600.001	0.026	5.188
5/1/2011 22:50	109200.001	0.026	5.188
5/1/2011 23:00	109800.001	0.027	5.187
5/1/2011 23:10	110400.001	0.023	5.189
5/1/2011 23:20	111000.001	0.021	5.19
5/1/2011 23:30	111600.001	0.017	5.192
5/1/2011 23:40	112200.001	0.012	5.194
5/1/2011 23:50	112800.001	0.007	5.196
5/2/2011 0:00	113400.001	0.002	5.198
5/2/2011 0:10	114000.001	0	5.199
5/2/2011 0:20	114600.001	-0.005	5.201
5/2/2011 0:30	115200.001	-0.008	5.202
5/2/2011 0:40	115800.001	-0.011	5.204
5/2/2011 0:50	116400.001	-0.015	5.205
5/2/2011 1:00	117000.001	-0.005	5.201
5/2/2011 1:10	117600.001	-0.007	5.202
5/2/2011 1:20	118200.001	-0.011	5.204
5/2/2011 1:30	118800.001	-0.016	5.206
5/2/2011 1:40	119400.001	-0.017	5.207
5/2/2011 1:50	120000.001	-0.022	5.208
5/2/2011 2:00	120600.001	-0.021	5.208
5/2/2011 2:10	121200.001	-0.026	5.21
5/2/2011 2:20	121800.001	-0.029	5.212
5/2/2011 2:30	122400.001	-0.033	5.213
5/2/2011 2:40	123000.001	-0.039	5.216
5/2/2011 2:50	123600.001	-0.043	5.218
5/2/2011 3:00	124200.001	-0.046	5.219
5/2/2011 3:10	124800.001	-0.051	5.221
5/2/2011 3:20	125400.001	-0.056	5.223
5/2/2011 3:30	126000.001	-0.056	5.223
5/2/2011 3:40	126600.001	-0.057	5.224
5/2/2011 3:50	127200.001	-0.065	5.227
5/2/2011 4:00	127800.001	-0.07	5.229
5/2/2011 4:10	128400.001	-0.074	5.231
5/2/2011 4:20	129000.001	-0.074	5.231
5/2/2011 4:30	129600.001	-0.081	5.234
5/2/2011 4:40	130200.001	-0.079	5.233
5/2/2011 4:50	130800.001	-0.081	5.234
5/2/2011 5:00	131400.001	-0.082	5.235
5/2/2011 5:10	132000.001	-0.085	5.236
5/2/2011 5:20	132600.001	-0.087	5.237
5/2/2011 5:30	133200.001	-0.091	5.238
5/2/2011 5:40	133800.001	-0.094	5.24
5/2/2011 5:50	134400.001	-0.094	5.24

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 151736 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 151736 Pressure (PSI)
5/2/2011 6:00	135000.001	-0.081	5.234
5/2/2011 6:10	135600.001	-0.086	5.236
5/2/2011 6:20	136200.001	-0.085	5.236
5/2/2011 6:30	136800.001	-0.089	5.237
5/2/2011 6:40	137400.001	-0.091	5.239
5/2/2011 6:50	138000.001	-0.05	5.221
5/2/2011 7:00	138600.001	-0.048	5.22
5/2/2011 7:10	139200.001	-0.047	5.219
5/2/2011 7:20	139800.001	-0.047	5.22
5/2/2011 7:30	140400.001	-0.053	5.222
5/2/2011 7:40	141000.001	-0.051	5.221
5/2/2011 7:50	141600.001	-0.046	5.219
5/2/2011 8:00	142200.001	-0.045	5.219
5/2/2011 8:10	142800.001	-0.05	5.221
5/2/2011 8:20	143400.001	-0.052	5.222
5/2/2011 8:30	144000.001	-0.049	5.22
5/2/2011 8:40	144600.001	-0.042	5.217
5/2/2011 8:50	145200.001	-0.036	5.214
5/2/2011 9:00	145800.001	-0.033	5.213
5/2/2011 9:10	146400.001	-0.038	5.215
5/2/2011 9:20	147000.001	-0.038	5.215
5/2/2011 9:30	147600.001	-0.04	5.216
5/2/2011 9:40	148200.001	-0.031	5.213
5/2/2011 9:50	148800.001	-0.013	5.205
5/2/2011 10:00	149400.001	-0.017	5.206
5/2/2011 10:10	150000.001	0.004	5.197
5/2/2011 10:20	150600.001	0.004	5.197
5/2/2011 10:30	151200.001	-0.003	5.2
5/2/2011 10:40	151800.001	-0.003	5.2
5/2/2011 10:50	152400.001	-0.002	5.2
5/2/2011 11:00	153000.001	-0.005	5.201
5/2/2011 11:10	153600.001	0.006	5.197
5/2/2011 11:20	154200.001	0.009	5.195
5/2/2011 11:30	154800.001	0.013	5.193
5/2/2011 11:40	155400.001	0.006	5.197
5/2/2011 11:50	156000.001	0.01	5.194
5/2/2011 12:00	156600.001	0.011	5.194
5/2/2011 12:10	157200.001	0.009	5.195
5/2/2011 12:20	157800.001	0.008	5.196
5/2/2011 12:30	158400.001	0.009	5.195
5/2/2011 12:40	159000.001	0.01	5.195
5/2/2011 12:50	159600.001	0.013	5.193
5/2/2011 13:00	160200.001	0.011	5.194
5/2/2011 13:10	160800.001	0.016	5.192
5/2/2011 13:20	161400.001	0.025	5.188

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 151736 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 151736 Pressure (PSI)
5/2/2011 13:30	162000.001	0.017	5.192
5/2/2011 13:40	162600.001	0.016	5.192
5/2/2011 13:50	163200.001	0.02	5.191
5/2/2011 14:00	163800.001	0.034	5.184
5/2/2011 14:10	164400.001	0.033	5.185
5/2/2011 14:20	165000.001	0.037	5.183
5/2/2011 14:30	165600.001	0.032	5.185
5/2/2011 14:40	166200.001	0.046	5.179
5/2/2011 14:50	166800.001	0.051	5.177
5/2/2011 15:00	167400.001	0.036	5.183
5/2/2011 15:10	168000.001	0.035	5.184
5/2/2011 15:20	168600.001	0.031	5.186
5/2/2011 15:30	169200.001	0.046	5.179
5/2/2011 15:40	169800.001	0.049	5.178
5/2/2011 15:50	170400.001	0.05	5.177
5/2/2011 16:00	171000.001	0.037	5.183
5/2/2011 16:10	171600.001	0.03	5.186
5/2/2011 16:20	172200.001	0.026	5.188
5/2/2011 16:30	172800.001	0.026	5.188
5/2/2011 16:30	172810.001	0.028	5.187
5/2/2011 16:30	172820.001	0.028	5.187
5/2/2011 16:30	172830.001	0.025	5.188
5/2/2011 16:30	172840.001	0.027	5.187
5/2/2011 16:30	172850.001	0.025	5.188
5/2/2011 16:31	172860.001	0.026	5.188
5/2/2011 16:31	172870.001	0.026	5.188
5/2/2011 16:31	172880.001	0.028	5.187
5/2/2011 16:31	172890.001	0.026	5.188
5/2/2011 16:31	172900.001	0.028	5.187
5/2/2011 16:31	172910.001	0.025	5.188
5/2/2011 16:32	172920.001	0.025	5.188
5/2/2011 16:32	172930.001	0.024	5.189
5/2/2011 16:32	172940.001	0.027	5.188
5/2/2011 16:32	172950.001	0.024	5.189
5/2/2011 16:32	172960.001	0.023	5.189
5/2/2011 16:32	172970.001	0.023	5.189
5/2/2011 16:33	172980.001	0.022	5.19
5/2/2011 16:33	172990.001	0.02	5.19
5/2/2011 16:33	173000.001	0.021	5.19
5/2/2011 16:33	173010.001	0.02	5.19
5/2/2011 16:33	173020.001	0.018	5.191
5/2/2011 16:33	173030.001	0.018	5.191
5/2/2011 16:34	173040.001	0.017	5.192
5/2/2011 16:34	173050.001	0.014	5.193
5/2/2011 16:34	173060.001	0.013	5.193

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 151736 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 151736 Pressure (PSI)
5/2/2011 16:34	173070.001	0.011	5.194
5/2/2011 16:34	173080.001	0.011	5.194
5/2/2011 16:34	173090.001	0.009	5.195
5/2/2011 16:35	173100.001	0.007	5.196
5/2/2011 16:35	173110.001	0.006	5.197
5/2/2011 16:35	173120.001	0.005	5.197
5/2/2011 16:35	173130.001	0.005	5.197
5/2/2011 16:35	173140.001	0.002	5.198
5/2/2011 16:35	173150.001	0.001	5.198
5/2/2011 16:36	173160.001	-0.002	5.2
5/2/2011 16:36	173170.001	0	5.199
5/2/2011 16:36	173180.001	-0.005	5.201
5/2/2011 16:36	173190.001	-0.005	5.201
5/2/2011 16:36	173200.001	-0.006	5.202
5/2/2011 16:36	173210.001	-0.008	5.203
5/2/2011 16:37	173220.001	-0.009	5.203
5/2/2011 16:37	173230.001	-0.011	5.204
5/2/2011 16:37	173240.001	-0.013	5.205
5/2/2011 16:37	173250.001	-0.014	5.205
5/2/2011 16:37	173260.001	-0.015	5.206
5/2/2011 16:37	173270.001	-0.017	5.206
5/2/2011 16:38	173280.001	-0.018	5.207
5/2/2011 16:38	173290.001	-0.018	5.207
5/2/2011 16:38	173300.001	-0.02	5.208
5/2/2011 16:38	173310.001	-0.023	5.209
5/2/2011 16:38	173320.001	-0.026	5.21
5/2/2011 16:38	173330.001	-0.025	5.21
5/2/2011 16:39	173340.001	-0.026	5.21
5/2/2011 16:39	173350.001	-0.027	5.211
5/2/2011 16:39	173360.001	-0.029	5.212
5/2/2011 16:39	173370.001	-0.03	5.212
5/2/2011 16:39	173380.001	-0.03	5.212
5/2/2011 16:39	173390.001	-0.033	5.214
5/2/2011 16:40	173400.001	-0.032	5.213
5/2/2011 16:41	173500.001	-0.045	5.218
5/2/2011 16:43	173600.001	-0.057	5.224
5/2/2011 16:45	173700.001	-0.061	5.225
5/2/2011 16:46	173800.001	-0.066	5.227
5/2/2011 16:48	173900.001	-0.073	5.231
5/2/2011 16:50	174000.001	-0.075	5.231
5/2/2011 16:51	174100.001	-0.079	5.233
5/2/2011 16:53	174200.001	-0.082	5.235
5/2/2011 16:55	174300.001	-0.086	5.236
5/2/2011 16:56	174400.001	-0.087	5.237
5/2/2011 16:58	174500.001	-0.088	5.237

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 151736 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 151736 Pressure (PSI)
5/2/2011 17:00	174600.001	-0.089	5.237
5/2/2011 17:01	174700.001	-0.088	5.237
5/2/2011 17:03	174800.001	-0.088	5.237
5/2/2011 17:05	174900.001	-0.088	5.237
5/2/2011 17:06	175000.001	-0.09	5.238
5/2/2011 17:08	175100.001	-0.093	5.239
5/2/2011 17:10	175200.001	-0.092	5.239
5/2/2011 17:11	175300.001	-0.091	5.239
5/2/2011 17:13	175400.001	-0.095	5.24
5/2/2011 17:15	175500.001	-0.092	5.239
5/2/2011 17:16	175600.001	-0.096	5.241
5/2/2011 17:18	175700.001	-0.099	5.242
5/2/2011 17:20	175800.001	-0.097	5.241
5/2/2011 17:21	175900.001	-0.1	5.242
5/2/2011 17:23	176000.001	-0.103	5.243
5/2/2011 17:25	176100.001	-0.099	5.242
5/2/2011 17:26	176200.001	-0.102	5.243
5/2/2011 17:28	176300.001	-0.101	5.243
5/2/2011 17:30	176400.001	-0.092	5.239
5/2/2011 17:31	176500.001	-0.088	5.237
5/2/2011 17:33	176600.001	-0.093	5.239
5/2/2011 17:35	176700.001	-0.091	5.239
5/2/2011 17:36	176800.001	-0.089	5.237
5/2/2011 17:38	176900.001	-0.093	5.239
5/2/2011 17:40	177000.001	-0.09	5.238
5/2/2011 17:41	177100.001	-0.092	5.239
5/2/2011 17:43	177200.001	-0.091	5.238
5/2/2011 17:45	177300.001	-0.09	5.238
5/2/2011 17:46	177400.001	-0.088	5.237
5/2/2011 17:48	177500.001	-0.088	5.237
5/2/2011 17:50	177600.001	-0.092	5.239
5/2/2011 17:51	177700.001	-0.089	5.238
5/2/2011 17:53	177800.001	-0.086	5.236
5/2/2011 17:55	177900.001	-0.087	5.237
5/2/2011 17:56	178000.001	-0.087	5.237
5/2/2011 17:58	178100.001	-0.087	5.237
5/2/2011 18:00	178200.001	-0.084	5.236
5/2/2011 18:01	178300.001	-0.088	5.237
5/2/2011 18:03	178400.001	-0.094	5.24
5/2/2011 18:05	178500.001	-0.097	5.241
5/2/2011 18:06	178600.001	-0.097	5.241
5/2/2011 18:08	178700.001	-0.101	5.243
5/2/2011 18:10	178800.001	-0.101	5.243
5/2/2011 18:26	179800.001	-0.102	5.243
5/2/2011 18:43	180800.001	-0.096	5.241

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 151736 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 151736 Pressure (PSI)
5/2/2011 19:00	181800.001	-0.096	5.24
5/2/2011 19:16	182800.001	-0.096	5.241
5/2/2011 19:33	183800.001	-0.102	5.243
5/2/2011 19:50	184800.001	-0.106	5.245
5/2/2011 20:06	185800.001	-0.107	5.245
5/2/2011 20:23	186800.001	-0.116	5.249
5/2/2011 20:40	187800.001	-0.119	5.251
5/2/2011 20:56	188800.001	-0.126	5.254
5/2/2011 21:13	189800.001	-0.135	5.258
5/2/2011 21:30	190800.001	-0.141	5.26
5/2/2011 21:46	191800.001	-0.142	5.26
5/2/2011 22:03	192800.001	-0.141	5.26
5/2/2011 22:20	193800.001	-0.142	5.261
5/2/2011 22:36	194800.001	-0.138	5.259
5/2/2011 22:53	195800.001	-0.144	5.261
5/2/2011 23:10	196800.001	-0.148	5.263
5/2/2011 23:26	197800.001	-0.144	5.262
5/2/2011 23:43	198800.001	-0.144	5.261
5/3/2011 0:00	199800.001	-0.148	5.263
5/3/2011 0:16	200800.001	-0.154	5.266
5/3/2011 0:33	201800.001	-0.156	5.267
5/3/2011 0:50	202800.001	-0.159	5.268
5/3/2011 1:06	203800.001	-0.166	5.271
5/3/2011 1:23	204800.001	-0.175	5.275
5/3/2011 1:40	205800.001	-0.182	5.278
5/3/2011 1:56	206800.001	-0.184	5.279
5/3/2011 2:13	207800.001	-0.185	5.279
5/3/2011 2:30	208800.001	-0.186	5.28
5/3/2011 2:46	209800.001	-0.189	5.281
5/3/2011 3:03	210800.001	-0.186	5.28
5/3/2011 3:20	211800.001	-0.186	5.28
5/3/2011 3:36	212800.001	-0.186	5.28
5/3/2011 3:53	213800.001	-0.186	5.279
5/3/2011 4:10	214800.001	-0.184	5.279
5/3/2011 4:26	215800.001	-0.184	5.279
5/3/2011 4:43	216800.001	-0.184	5.279
5/3/2011 5:00	217800.001	-0.182	5.278
5/3/2011 5:16	218800.001	-0.184	5.279
5/3/2011 5:33	219800.001	-0.179	5.277
5/3/2011 5:50	220800.001	-0.183	5.278
5/3/2011 6:06	221800.001	-0.185	5.279
5/3/2011 6:23	222800.001	-0.184	5.279
5/3/2011 6:40	223800.001	-0.184	5.279
5/3/2011 6:56	224800.001	-0.183	5.278
5/3/2011 7:13	225800.001	-0.181	5.277

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 151736 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 151736 Pressure (PSI)
5/3/2011 7:30	226800.001	-0.17	5.273
5/3/2011 7:46	227800.001	-0.164	5.27
5/3/2011 8:03	228800.001	-0.162	5.269
5/3/2011 8:20	229800.001	-0.158	5.267
5/3/2011 8:36	230800.001	-0.149	5.264
5/3/2011 8:53	231800.001	-0.145	5.262
5/3/2011 9:10	232800.001	-0.14	5.26
5/3/2011 11:56	242760.001	-0.098	5.241
5/3/2011 14:42	252720.001	-0.052	5.221
5/3/2011 17:28	262680.001	-0.021	5.208
5/3/2011 20:14	272640.001	-0.042	5.217
5/3/2011 23:00	282600.001	-0.073	5.231
5/4/2011 1:46	292560.001	-0.074	5.231
5/4/2011 4:32	302520.001	-0.058	5.224
5/4/2011 7:18	312480.001	-0.045	5.218
5/4/2011 10:04	322440.001	0.033	5.185
5/4/2011 12:50	332400.001	0.115	5.149
5/4/2011 15:36	342360.001	0.011	5.194
5/4/2011 18:22	352320.001	-0.023	5.209
5/4/2011 21:08	362280.001	-0.043	5.218
5/4/2011 23:54	372240.001	-0.006	5.202
5/5/2011 2:40	382200.001	-0.052	5.222
5/5/2011 5:26	392160.001	-0.08	5.234
5/5/2011 8:12	402120.001	-0.076	5.232
5/5/2011 10:58	412080.001	-0.035	5.214
5/5/2011 13:44	422040.001	0.008	5.196
5/5/2011 16:30	432000.001	0.011	5.194
5/5/2011 19:16	441960.001	0.015	5.193
5/5/2011 22:02	451920.001	-0.048	5.22
5/6/2011 0:48	461880.001	-0.029	5.212
5/6/2011 3:34	471840.001	-0.004	5.201
5/6/2011 6:20	481800.001	0.027	5.187
5/6/2011 9:06	491760.001	-0.006	5.201
5/6/2011 11:52	501720.001	-0.061	5.226
5/6/2011 14:38	511680.001	-0.048	5.22
5/6/2011 17:24	521640.001	-0.047	5.219
5/6/2011 20:10	531600.001	-0.07	5.229
5/6/2011 22:56	541560.001	-0.057	5.224
5/7/2011 1:42	551520.001	-0.069	5.229
5/7/2011 4:28	561480.001	-0.06	5.225
5/7/2011 7:14	571440.001	-0.066	5.228
5/7/2011 10:00	581400.001	-0.005	5.201
5/7/2011 12:46	591360.001	0.05	5.178
5/7/2011 15:32	601320.001	0.062	5.172
5/7/2011 15:32	601330.001	0.057	5.174

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 151736 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 151736 Pressure (PSI)
5/7/2011 15:32	601340.001	0.057	5.174
5/7/2011 15:32	601350.001	0.057	5.174
5/7/2011 15:32	601360.001	0.059	5.173
5/7/2011 15:32	601370.001	0.058	5.174
5/7/2011 15:33	601380.001	0.058	5.174
5/7/2011 15:33	601390.001	0.057	5.174
5/7/2011 15:33	601400.001	0.056	5.175
5/7/2011 15:33	601410.001	0.056	5.175
5/7/2011 15:33	601420.001	0.059	5.174
5/7/2011 15:33	601430.001	0.056	5.175
5/7/2011 15:34	601440.001	0.057	5.174
5/7/2011 15:34	601450.001	0.056	5.175
5/7/2011 15:34	601460.001	0.057	5.174
5/7/2011 15:34	601470.001	0.056	5.175
5/7/2011 15:34	601480.001	0.057	5.174
5/7/2011 15:34	601490.001	0.056	5.175
5/7/2011 15:35	601500.001	0.055	5.175
5/7/2011 15:35	601510.001	0.057	5.174
5/7/2011 15:35	601520.001	0.057	5.174
5/7/2011 15:35	601530.001	0.057	5.174
5/7/2011 15:35	601540.001	0.057	5.174
5/7/2011 15:35	601550.001	0.059	5.174
5/7/2011 15:36	601560.001	0.059	5.173
5/7/2011 15:36	601570.001	0.058	5.174
5/7/2011 15:36	601580.001	0.057	5.174
5/7/2011 15:36	601590.001	0.059	5.174
5/7/2011 15:36	601600.001	0.058	5.174
5/7/2011 15:36	601610.001	0.057	5.174
5/7/2011 15:37	601620.001	0.059	5.173
5/7/2011 15:37	601630.001	0.057	5.174
5/7/2011 15:37	601640.001	0.059	5.174
5/7/2011 15:37	601650.001	0.057	5.174
5/7/2011 15:37	601660.001	0.059	5.173
5/7/2011 15:37	601670.001	0.06	5.173
5/7/2011 15:38	601680.001	0.058	5.174
5/7/2011 15:38	601690.001	0.059	5.173
5/7/2011 15:38	601700.001	0.058	5.174
5/7/2011 15:38	601710.001	0.06	5.173
5/7/2011 15:38	601720.001	0.061	5.172
5/7/2011 15:38	601730.001	0.064	5.171
5/7/2011 15:39	601740.001	0.063	5.172
5/7/2011 15:39	601750.001	0.064	5.171
5/7/2011 15:39	601760.001	0.065	5.171
5/7/2011 15:39	601770.001	0.064	5.171
5/7/2011 15:39	601780.001	0.063	5.172

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 151736 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 151736 Pressure (PSI)
5/7/2011 15:39	601790.001	0.062	5.172
5/7/2011 15:40	601800.001	0.062	5.172
5/7/2011 15:40	601810.001	0.065	5.171
5/7/2011 15:40	601820.001	0.063	5.172
5/7/2011 15:40	601830.001	0.064	5.171
5/7/2011 15:40	601840.001	0.061	5.172
5/7/2011 15:40	601850.001	0.064	5.171
5/7/2011 15:41	601860.001	0.062	5.172
5/7/2011 15:41	601870.001	0.066	5.171
5/7/2011 15:41	601880.001	0.063	5.172
5/7/2011 15:41	601890.001	0.064	5.171
5/7/2011 15:41	601900.001	0.065	5.171
5/7/2011 15:41	601910.001	0.065	5.171
5/7/2011 15:42	601920.001	0.065	5.171
5/7/2011 15:43	602020.001	0.063	5.172
5/7/2011 15:45	602120.001	0.065	5.171
5/7/2011 15:47	602220.001	0.058	5.174
5/7/2011 15:48	602320.001	0.061	5.173
5/7/2011 15:50	602420.001	0.064	5.171
5/7/2011 15:52	602520.001	0.066	5.17
5/7/2011 15:53	602620.001	0.063	5.172
5/7/2011 15:55	602720.001	0.059	5.174
5/7/2011 15:57	602820.001	0.058	5.174
5/7/2011 15:58	602920.001	0.059	5.173
5/7/2011 16:00	603020.001	0.052	5.177
5/7/2011 16:02	603120.001	0.056	5.175
5/7/2011 16:03	603220.001	0.06	5.173
5/7/2011 16:05	603320.001	0.062	5.172
5/7/2011 16:07	603420.001	0.052	5.176
5/7/2011 16:08	603520.001	0.042	5.181
5/7/2011 16:10	603620.001	0.039	5.182
5/7/2011 16:12	603720.001	0.037	5.183
5/7/2011 16:13	603820.001	0.047	5.179
5/7/2011 16:15	603920.001	0.046	5.179
5/7/2011 16:17	604020.001	0.046	5.179
5/7/2011 16:18	604120.001	0.052	5.177
5/7/2011 16:20	604220.001	0.056	5.175
5/7/2011 16:22	604320.001	0.057	5.174
5/7/2011 16:23	604420.001	0.062	5.172
5/7/2011 16:25	604520.001	0.067	5.17
5/7/2011 16:27	604620.001	0.064	5.171
5/7/2011 16:28	604720.001	0.059	5.173
5/7/2011 16:30	604820.001	0.061	5.172
5/7/2011 16:32	604920.001	0.062	5.172
5/7/2011 16:33	605020.001	0.066	5.171

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 151736 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 151736 Pressure (PSI)
5/7/2011 16:35	605120.001	0.07	5.169
5/7/2011 16:37	605220.001	0.083	5.163
5/7/2011 16:38	605320.001	0.096	5.158
5/7/2011 16:40	605420.001	0.101	5.155
5/7/2011 16:42	605520.001	0.112	5.15
5/7/2011 16:43	605620.001	0.121	5.147
5/7/2011 16:45	605720.001	0.126	5.145
5/7/2011 16:47	605820.001	0.132	5.142
5/7/2011 16:48	605920.001	0.137	5.14
5/7/2011 16:50	606020.001	0.141	5.138
5/7/2011 16:52	606120.001	0.143	5.137
5/7/2011 16:53	606220.001	0.143	5.137
5/7/2011 16:55	606320.001	0.145	5.136
5/7/2011 16:57	606420.001	0.146	5.136
5/7/2011 16:58	606520.001	0.151	5.133
5/7/2011 17:00	606620.001	0.163	5.128
5/7/2011 17:02	606720.001	0.161	5.129
5/7/2011 17:03	606820.001	0.158	5.13
5/7/2011 17:05	606920.001	0.149	5.134
5/7/2011 17:07	607020.001	0.155	5.132
5/7/2011 17:08	607120.001	0.15	5.134
5/7/2011 17:10	607220.001	0.15	5.134
5/7/2011 17:12	607320.001	0.154	5.133
5/7/2011 17:28	608320.001	0.147	5.135
5/7/2011 17:45	609320.001	0.124	5.145
5/7/2011 18:02	610320.001	0.133	5.142
5/7/2011 18:18	611320.001	0.129	5.143
5/7/2011 18:35	612320.001	0.117	5.148
5/7/2011 18:52	613320.001	0.114	5.15
5/7/2011 19:08	614320.001	0.104	5.154
5/7/2011 19:25	615320.001	0.094	5.158
5/7/2011 19:42	616320.001	0.087	5.161
5/7/2011 19:58	617320.001	0.078	5.165
5/7/2011 20:15	618320.001	0.073	5.167
5/7/2011 20:32	619320.001	0.068	5.17
5/7/2011 20:48	620320.001	0.071	5.168
5/7/2011 21:05	621320.001	0.061	5.172
5/7/2011 21:22	622320.001	0.054	5.176
5/7/2011 21:38	623320.001	0.045	5.179
5/7/2011 21:55	624320.001	0.036	5.183
5/7/2011 22:12	625320.001	0.036	5.183
5/7/2011 22:28	626320.001	0.031	5.185
5/7/2011 22:45	627320.001	0.025	5.188
5/7/2011 23:02	628320.001	0.022	5.189
5/7/2011 23:18	629320.001	0.023	5.189

US EPA ARCHIVE DOCUMENT

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 151736 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 151736 Pressure (PSI)
5/7/2011 23:35	630320.001	0.019	5.191
5/7/2011 23:52	631320.001	0.022	5.189
5/8/2011 0:08	632320.001	0.024	5.189
5/8/2011 0:25	633320.001	0.015	5.192
5/8/2011 0:42	634320.001	0.015	5.192
5/8/2011 0:58	635320.001	0.017	5.192
5/8/2011 1:15	636320.001	0.022	5.19
5/8/2011 1:32	637320.001	0.023	5.189
5/8/2011 1:48	638320.001	0.022	5.19
5/8/2011 2:05	639320.001	0.021	5.19
5/8/2011 2:22	640320.001	0.018	5.191
5/8/2011 2:38	641320.001	0.02	5.19
5/8/2011 2:55	642320.001	0.021	5.19
5/8/2011 3:12	643320.001	0.03	5.186
5/8/2011 3:28	644320.001	0.024	5.188
5/8/2011 3:45	645320.001	0.021	5.19
5/8/2011 4:02	646320.001	0.02	5.19
5/8/2011 4:18	647320.001	0.014	5.193
5/8/2011 4:35	648320.001	0.015	5.192
5/8/2011 4:52	649320.001	0.018	5.191
5/8/2011 5:08	650320.001	0.019	5.191
5/8/2011 5:25	651320.001	0.016	5.192
5/8/2011 5:42	652320.001	0.02	5.19
5/8/2011 5:58	653320.001	0.024	5.189
5/8/2011 6:15	654320.001	0.023	5.189
5/8/2011 6:32	655320.001	0.022	5.189
5/8/2011 6:48	656320.001	0.026	5.188
5/8/2011 7:05	657320.001	0.03	5.186
5/8/2011 7:22	658320.001	0.037	5.183
5/8/2011 7:38	659320.001	0.046	5.179
5/8/2011 7:55	660320.001	0.064	5.171
5/8/2011 8:12	661320.001	0.076	5.166
5/8/2011 10:58	671280.001	0.187	5.118
5/8/2011 13:44	681240.001	0.19	5.117
5/8/2011 16:30	691200.001	0.189	5.117
5/8/2011 19:16	701160.001	0.085	5.162
5/8/2011 22:02	711120.001	0.033	5.185
5/9/2011 0:48	721080.001	0.035	5.184
5/9/2011 3:34	731040.001	0.048	5.178
5/9/2011 6:20	741000.001	0.058	5.174
5/9/2011 9:06	750960.001	0.131	5.142
5/9/2011 11:52	760920.001	0.257	5.088
5/9/2011 14:38	770880.001	0.166	5.127
5/9/2011 17:24	780840.001	0.335	5.054
5/9/2011 20:10	790800.001	0.509	4.979

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Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 151736 evel Depth To Water (ft)	Sensor: Pres(G) 35ft SN#: 151736 Pressure (PSI)
5/9/2011 22:56	800760.001	0.551	4.96
5/10/2011 1:42	810720.001	0.567	4.953
5/10/2011 4:28	820680.001	0.593	4.942
5/10/2011 7:14	830640.001	0.656	4.915
5/10/2011 10:00	840600.001	0.743	4.877
5/10/2011 12:46	850560.001	0.703	4.894
5/10/2011 15:32	860520.001	0.792	4.856
5/10/2011 18:18	870480.001	0.749	4.874
5/10/2011 21:04	880440.001	0.697	4.897
5/10/2011 23:50	890400.001	0.661	4.913
5/11/2011 2:36	900360.001	0.641	4.922
5/11/2011 5:22	910320.001	0.736	4.88
5/11/2011 8:08	920280.001	0.725	4.885
5/11/2011 10:54	930240.001	0.732	4.882
5/11/2011 13:40	940200.001	0.409	5.022
5/11/2011 16:26	950160.001	0.246	5.093
5/11/2011 19:12	960120.001	0.224	5.102
5/11/2011 21:58	970080.001	0.173	5.124
5/12/2011 0:44	980040.001	0.155	5.132
5/12/2011 3:30	990000.001	0.139	5.139
5/12/2011 6:16	999960.001	0.118	5.148
5/12/2011 9:02	1009920.001	0.138	5.139
5/12/2011 11:48	1019880.001	0.202	5.111
5/12/2011 14:34	1029840.001	0.229	5.1

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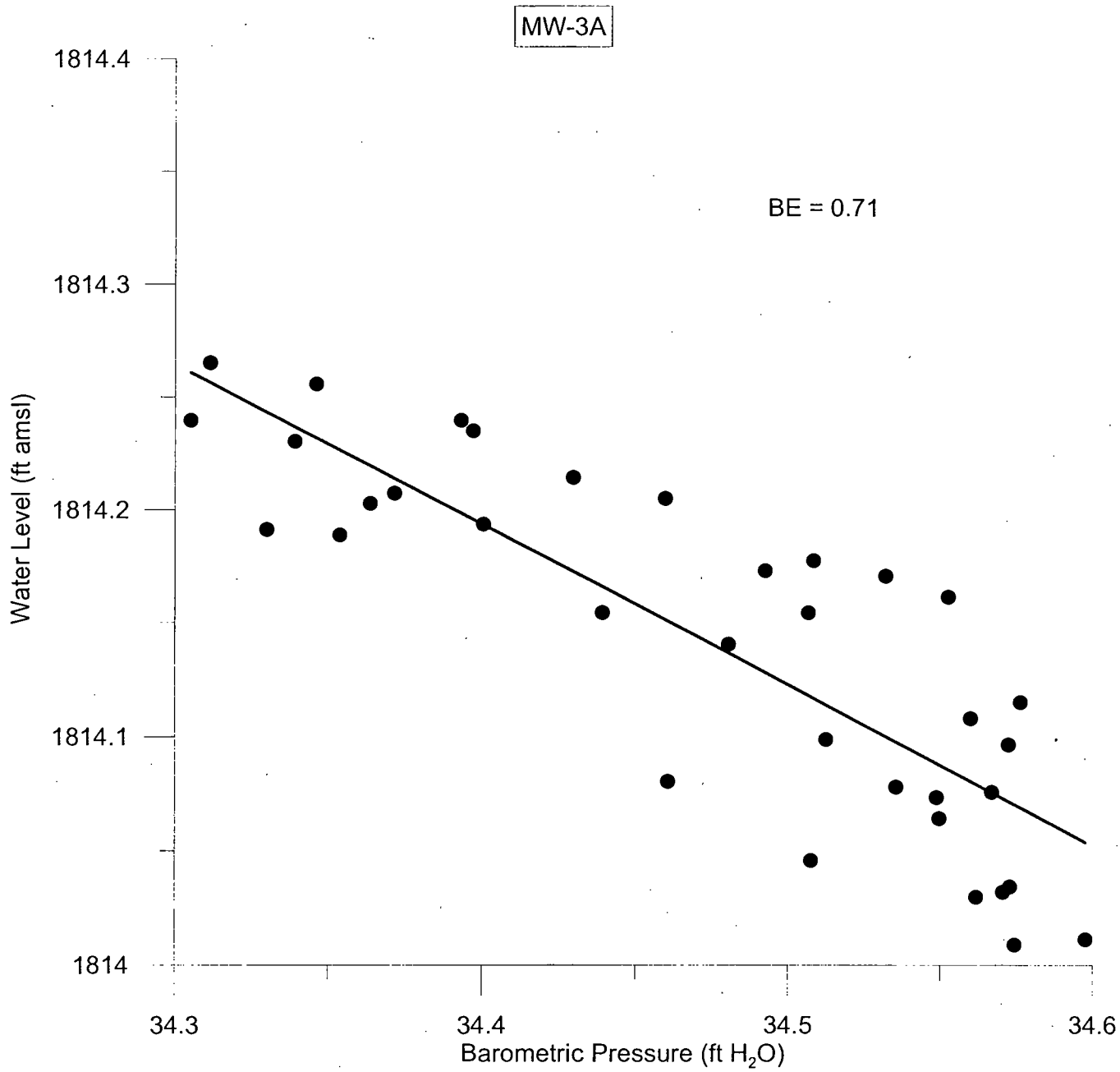
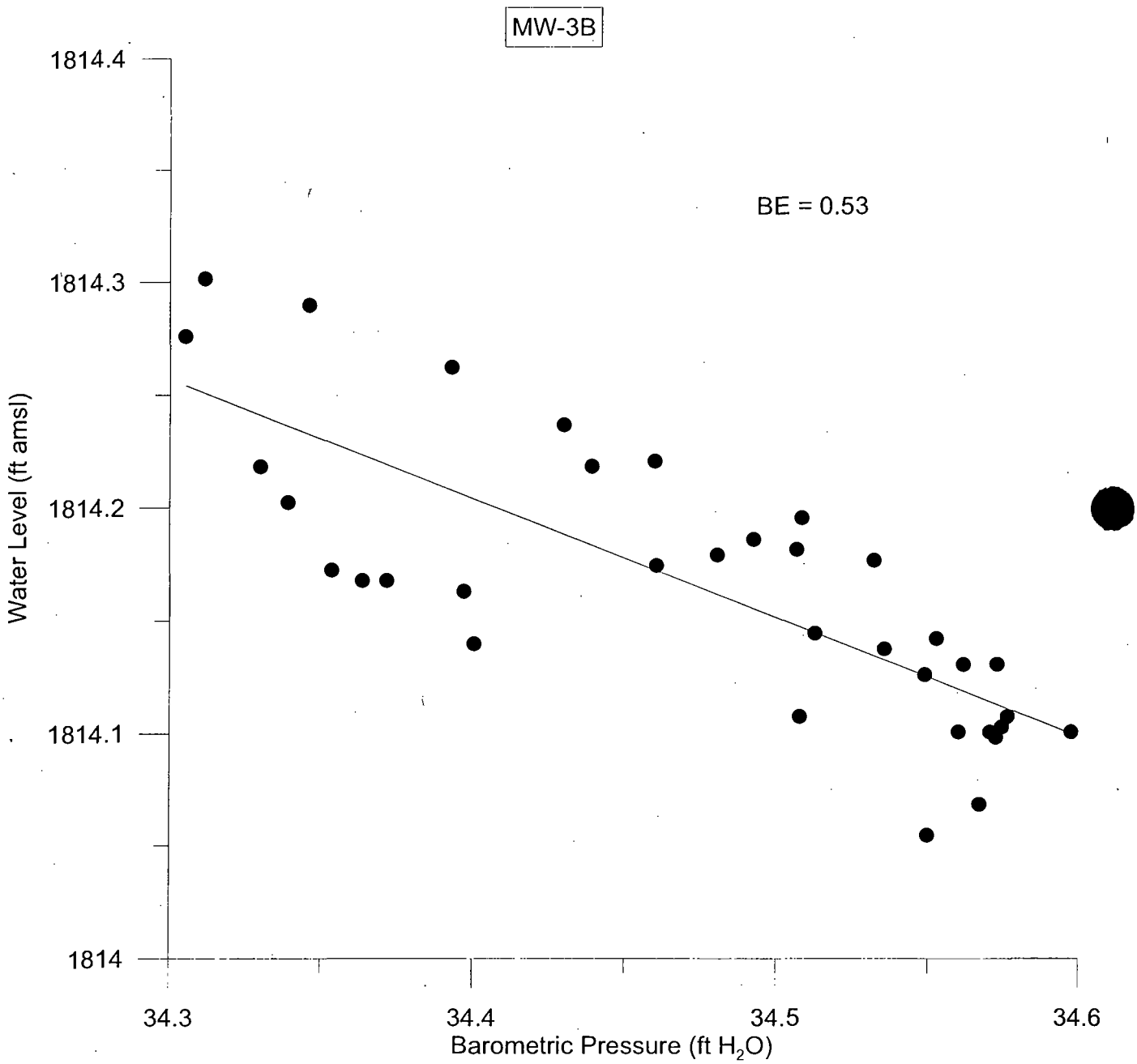
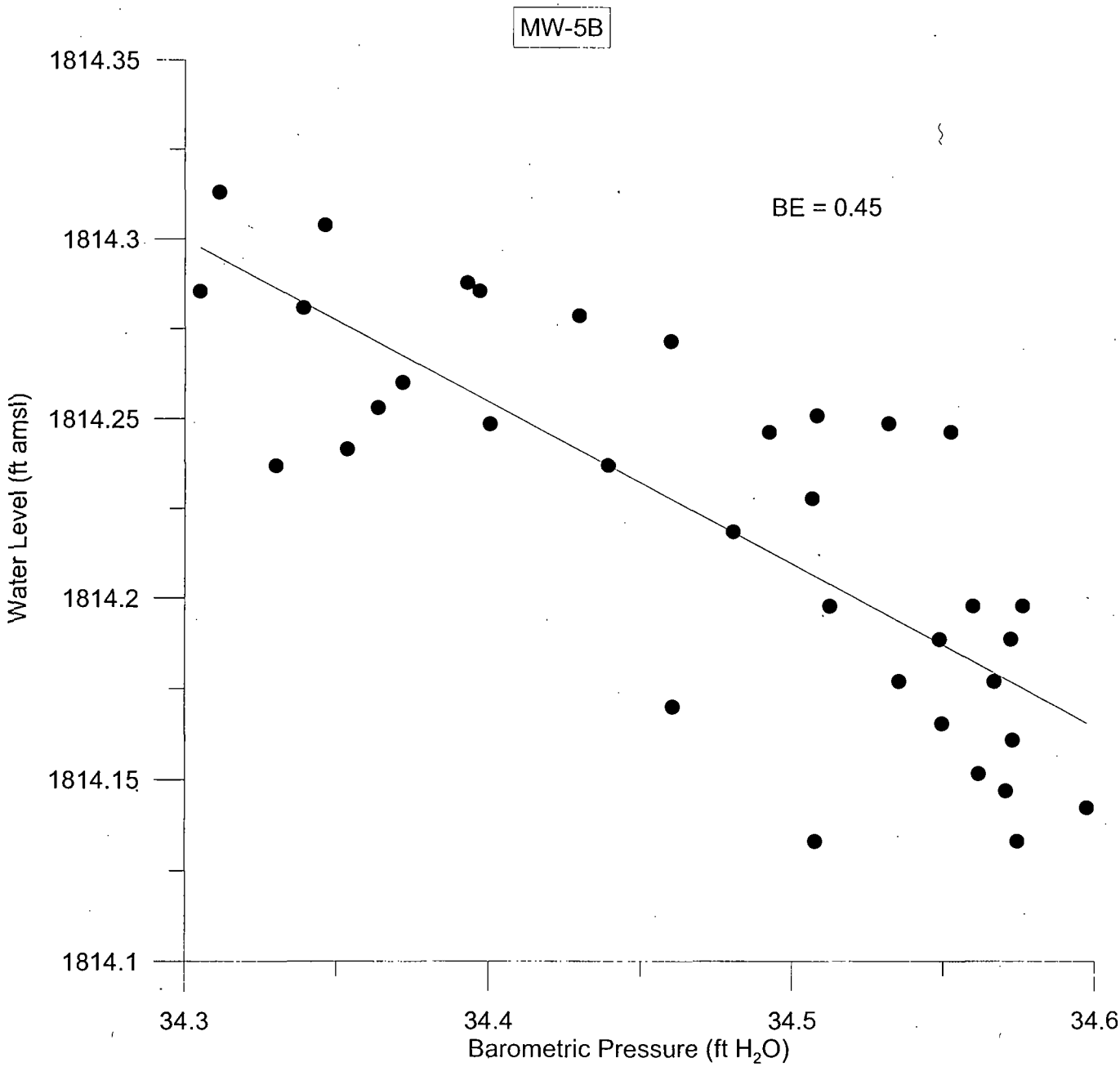
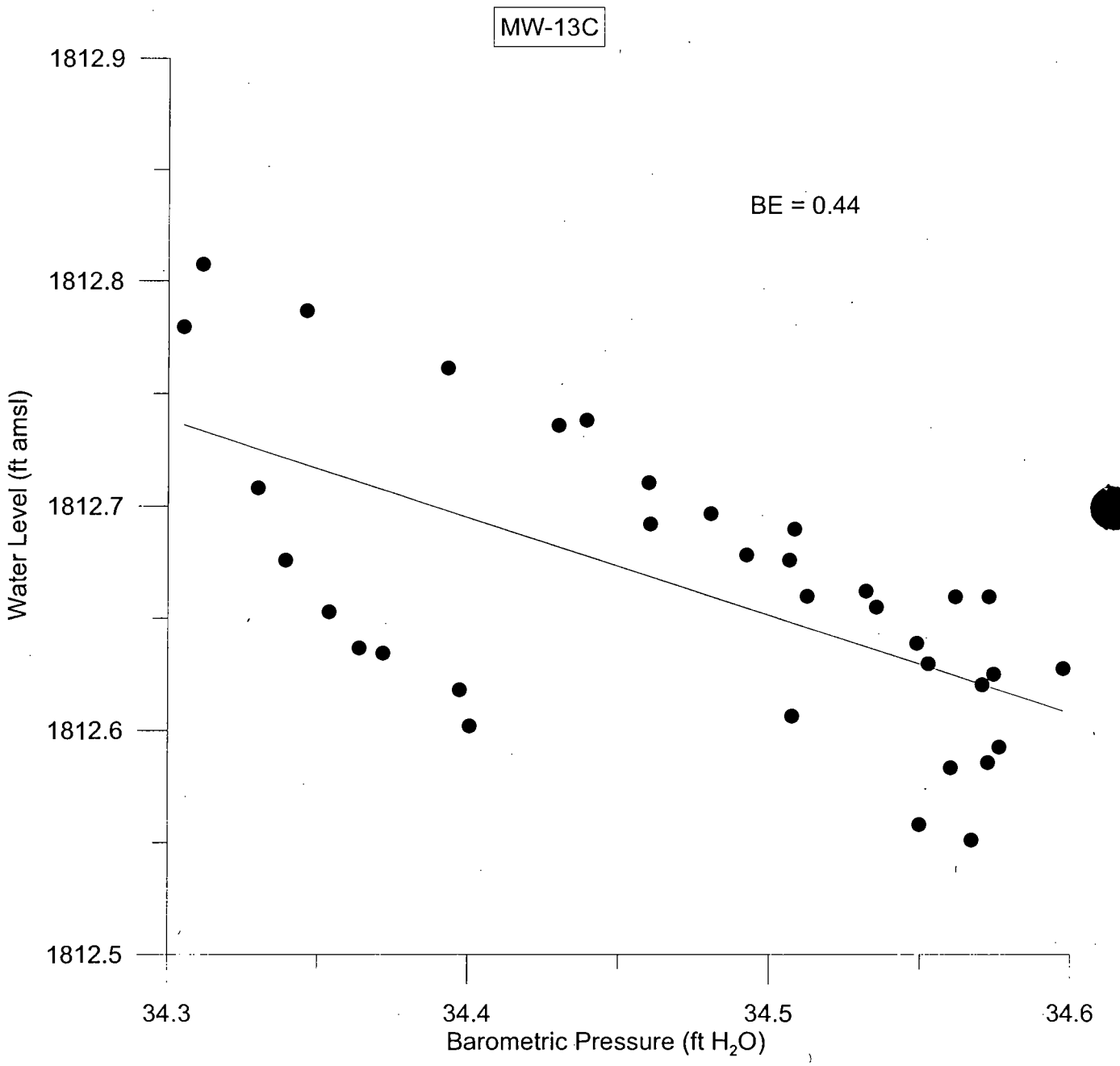
APPENDIX K

BAROMETRIC EFFICIENCY ESTIMATIONS


MW-3A
BE = 0.71
1814.4
1814.3
1814.2
1814.1
1814
Water Level (ft amsl)
34.3
34.4
34.5
34.6
Barometric Pressure (ft H_2O)


MW-3B
BE = 0.53
1814.4
1814.3
1814.2
1814.1
1814
Water Level (ft amsl)
34.3
34.4
34.5
34.6
Barometric Pressure (ft H_2O)


MW-5B
BE = 0.45
1814.35
1814.3
1814.25
1814.2
1814.15
1814.1
Water Level (ft amsl)
34.3
34.4
34.5
34.6
Barometric Pressure (ft H_2O)


MW-13C
BE = 0.44
1812.9
1812.8
1812.7
1812.6
1812.5
Water Level (ft amsl)
34.3
34.4
34.5
34.6
Barometric Pressure (ft H_2O)

APPENDIX L

CALCULATIONS OF ESTIMATED HYDRAULIC CONDUCTIVITIES

HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-48
Sample Date:
Interval: 151-154
Porosity: .32

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.0014
51.8	0.075
65.5	0.15
71.3	0.18
81.2	0.25
93.1	0.425
98.7	0.85
100	2.36

HAZEN METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

K = **7.53E-06 cm/sec**

$\nu = 1.14 \text{ mm}^2/\text{s}$

$C = 0.06$

$\varphi(n) = 1 + 10 \cdot (n - 0.26)$

$n = 0.255 \cdot (1 + 0.83^{\eta})$

$\eta = d_{60}/d_{10}$

$d_e = d_{10}$

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .32

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-48
Sample Date:
Interval: 151-154
Porosity: .32

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.0014
51.8	0.075
65.5	0.15
71.3	0.18
81.2	0.25
93.1	0.425
98.7	0.85
100	2.36

SLICHTER METHOD

$$K = \frac{g}{v} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

K = **1.85E-06 cm/sec**

$v = 1.14 \text{ mm}^2/\text{s}$

$C = 1$

$\varphi(n) = n^{3.287}$

$n = 0.255 \cdot (1 + 0.83^{\eta})$

$\eta = d_{60}/d_{10}$

$d_e = d_{10}$

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .32

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
v	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-48
Sample Date:
Interval: 151-154
Porosity: .32

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.0014
51.8	0.075
65.5	0.15
71.3	0.18
81.2	0.25
93.1	0.425
98.7	0.85
100	2.36

TERZAGHI METHOD

$$K = \frac{g}{v} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

K = **3.08E-06 cm/sec**

$v = 1.14 \text{ mm}^2/\text{s}$

$0.61 < C < 1.07$

$$\varphi(n) = \left(\frac{n - 0.13}{\sqrt[3]{1-n}} \right)^2$$

$$n = 0.255 \cdot \left(1 + 0.83^{\eta}\right)$$

$$\eta = d_{60}/d_{10}$$

$$d_e = d_{10}$$

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .32

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
v	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-48
Sample Date:
Interval: 151-154
Porosity: .32

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.0014
51.8	0.075
65.5	0.15
71.3	0.18
81.2	0.25
93.1	0.425
98.7	0.85
100	2.36

BEYER METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(\mathrm{n}) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

K = **5.29E-06 cm/sec**

$$\nu = 1.14 \text{ mm}^2/\text{s}$$

$$C = 0.06 \cdot \log\left(\frac{500}{\eta}\right)$$

$$\varphi(n) = 1$$

$$n = 0.255 \cdot \left(1 + 0.83^{\eta}\right)$$

$$\eta = d_{60}/d_{10}$$

$$d_e = d_{10}$$

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .32

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-48
Sample Date:
Interval: 151-154
Porosity: .32

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.0014
51.8	0.075
65.5	0.15
71.3	0.18
81.2	0.25
93.1	0.425
98.7	0.85
100	2.36

SAUERBREI METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

K = **6.11E-06 cm/sec**

$\nu = 1.14 \text{ mm}^2/\text{s}$

$C = 0.375$

$$\varphi(n) = \frac{n^3}{(1-n)^2}$$

$$n = 0.255 \cdot (1 + 0.83^{\eta})$$

$$\eta = d_{60}/d_{10}$$

$$d_e = d_{17}$$

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .32

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{17}	- Diameter at 17%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-48
Sample Date:
Interval: 151-154
Porosity: .32

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.0014
51.8	0.075
65.5	0.15
71.3	0.18
81.2	0.25
93.1	0.425
98.7	0.85
100	2.36

KRUGER METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

K = **1.01E-04 cm/sec**

$\nu = 1.14 \text{ mm}^2/\text{s}$

$C = 4.35 \cdot 10^{-3}$

$$\varphi(n) = \frac{n}{(1-n)^2}$$

$$n = 0.255 \cdot (1 + 0.83^{\eta})$$

$$\eta = d_{60}/d_{10}$$

$$\frac{1}{d_e} = \sum_{i-1}^{j-1} (f_{i+1} - f_i) \cdot \frac{2}{d_{i+1} + d_i}$$

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .32

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)
d_i	- Diameter of fraction i	(mm)
f_i	- Fraction i of sample	–
i	- Fraction number	–
j	- Number of fractions	–

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-48
Sample Date:
Interval: 151-154
Porosity: .32

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.0014
51.8	0.075
65.5	0.15
71.3	0.18
81.2	0.25
93.1	0.425
98.7	0.85
100	2.36

KOZENY METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

K = **9.09E-07 cm/sec**

$\nu = 1.14 \text{ mm}^2/\text{s}$

$C = 0.83$

$$\varphi(n) = \frac{n^3}{(1-n)^2}$$

$$n = 0.255 \cdot (1 + 0.83^{\eta})$$

$$\eta = d_{60}/d_{10}$$

$$\frac{1}{d_e} = \sum_{i=1}^{j-1} (f_{i+1} - f_i) \cdot \frac{d_{i+1} + d_i}{2 \cdot d_{i+1} \cdot d_i}$$ [1]

[1] When $d_1 < 0.0025$ the following term is added: $\left(\frac{3}{2} \cdot \frac{f_2 - f_1}{d_1}\right)$

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .32

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
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d_{10}	- Diameter at 10%	(mm)
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* May substitute measured porosity.

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81.2	0.25
93.1	0.425
98.7	0.85
100	2.36

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .32

ZUNKER METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

$$\nu = 1.14 \text{ mm}^2/\text{s}$$

K = 5.59E-07 cm/sec

$$0.007 < C < 0.24$$

$$\varphi(n) = \left(\frac{n}{1-n}\right)^2$$

$$n = 0.255 \cdot \left(1 + 0.83^{\eta}\right)$$

$$\eta = d_{60}/d_{10}$$

$$\frac{1}{d_e} = \sum_{i=1}^{j-1} (f_{i+1} - f_i) \cdot \frac{d_{i+1} - d_i}{d_{i+1} \cdot d_i \cdot (\ln d_{i+1} - \ln d_i)}$$ [1]

[1] When $d_1 < 0.0025$ the following term is added: $\left(\frac{3}{2} \cdot \frac{f_2 - f_1}{d_1}\right)$

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)
d_i	- Diameter of fraction i	(mm)
f_i	- Fraction i of sample	–
i	- Fraction number	–
j	- Number of fractions	–

* May substitute measured porosity.

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Porosity: .32

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.0014
51.8	0.075
65.5	0.15
71.3	0.18
81.2	0.25
93.1	0.425
98.7	0.85
100	2.36

USBR METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

K = **3.87E-06 cm/sec**

$\nu = 1.14 \text{ mm}^2/\text{s}$

$C = 0.048 \cdot d_{20}^{0.3}$

$\varphi(n) = 1$

$n = 0.255 \cdot (1 + 0.83^{\eta})$

$\eta = d_{60}/d_{10}$

$d_e = d_{20}$

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .32

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{20}	- Diameter at 20%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-48
Sample Date:
Interval: 160-162
Porosity: .38

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.054
2.9	0.075
9.7	0.15
15.4	0.18
31.9	0.25
74.2	0.425
96.9	0.85
99	2.36
99.6	4.75
100	9.52

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .38

HAZEN METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

K = **2.61E-02 cm/sec**

$\nu = 1.14 \text{ mm}^2/\text{s}$

$C = 0.06$

$\varphi(n) = 1 + 10 \cdot (n - 0.26)$

$n = 0.255 \cdot (1 + 0.83^{\eta})$

$\eta = d_{60}/d_{10}$

$d_e = d_{10}$

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

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Sample Date:
Interval: 160-162
Porosity: .38

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.054
2.9	0.075
9.7	0.15
15.4	0.18
31.9	0.25
74.2	0.425
96.9	0.85
99	2.36
99.6	4.75
100	9.52

SLICHTER METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

K = **8.20E-03 cm/sec**

$\nu = 1.14 \text{ mm}^2/\text{s}$

$C = 1$

$\varphi(n) = n^{3.287}$

$n = 0.255 \cdot (1 + 0.83^{\eta})$

$\eta = d_{60}/d_{10}$

$d_e = d_{10}$

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .38

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Sample Date:
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HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

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0	0.054
2.9	0.075
9.7	0.15
15.4	0.18
31.9	0.25
74.2	0.425
96.9	0.85
99	2.36
99.6	4.75
100	9.52

TERZAGHI METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

$$\nu = 1.14 \text{ mm}^2/\text{s}$$

K = 1.43E-02 cm/sec

$$0.61 < C < 1.07$$

$$\varphi(n) = \left(\frac{n - 0.13}{\sqrt[3]{1-n}} \right)^2$$

$$n = 0.255 \cdot \left(1 + 0.83^{\eta}\right)$$

$$\eta = d_{60}/d_{10}$$

$$d_e = d_{10}$$

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .38

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

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SIEVE ANALYSIS

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0	0.054
2.9	0.075
9.7	0.15
15.4	0.18
31.9	0.25
74.2	0.425
96.9	0.85
99	2.36
99.6	4.75
100	9.52

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .38

BEYER METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(\mathrm{n}) \cdot d_e^2 \quad where: \quad g = 9.81\ \mathrm{m/s^2}$$

$$\nu = 1.14\ \mathrm{mm^2/s}$$

$$C = 0.06 \cdot \log\left(\frac{500}{\eta}\right)$$

$$\varphi(n) = 1$$

$$n = 0.255 \cdot \left(1 + 0.83^{\eta}\right)$$

$$\eta = d_{60}/d_{10}$$

$$d_e = d_{10}$$

K = 2.76E-02 cm/sec

VARIABLES

K	- Hydraulic conductivity	$(\mathrm{cm/s})$
g	- Acceleration due to gravity	$(\mathrm{m/s^2})$
ν	- Viscosity	$(\mathrm{mm^2/s})$
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

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SIEVE ANALYSIS

Percent	Diameter
0	0.054
2.9	0.075
9.7	0.15
15.4	0.18
31.9	0.25
74.2	0.425
96.9	0.85
99	2.36
99.6	4.75
100	9.52

SAUERBREI METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

K = **1.59E-02 cm/sec**

$\nu = 1.14 \text{ mm}^2/\text{s}$

$C = 0.375$

$$\varphi(n) = \frac{n^3}{(1-n)^2}$$

$$n = 0.255 \cdot (1 + 0.83^{\eta})$$

$$\eta = d_{60}/d_{10}$$

$$d_e = d_{17}$$

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .38

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{17}	- Diameter at 17%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

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0	0.054
2.9	0.075
9.7	0.15
15.4	0.18
31.9	0.25
74.2	0.425
96.9	0.85
99	2.36
99.6	4.75
100	9.52

KRUGER METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

$K = \mathbf{2.57E\text{-}03\ cm/sec}$

$\nu = 1.14 \text{ mm}^2/\text{s}$

$C = 4.35 \cdot 10^{-3}$

$$\varphi(n) = \frac{n}{(1-n)^2}$$

$$n = 0.255 \cdot (1 + 0.83^{\eta})$$

$$\eta = d_{60}/d_{10}$$

$$\frac{1}{d_e} = \sum_{i=1}^{j-1} (f_{i+1} - f_i) \cdot \frac{2}{d_{i+1} + d_i}$$

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .38

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
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d_i	- Diameter of fraction i	(mm)
f_i	- Fraction i of sample	–
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Percent	Diameter
0	0.054
2.9	0.075
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99	2.36
99.6	4.75
100	9.52

KOZENY METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

$$\nu = 1.14 \text{ mm}^2/\text{s}$$

K = **6.24E-02 cm/sec**

$$C = 0.83$$

$$\varphi(n) = \frac{n^3}{(1-n)^2}$$

$$n = 0.255 \cdot (1 + 0.83^{\eta})$$

$$\eta = d_{60}/d_{10}$$

$$\frac{1}{d_e} = \sum_{i=1}^{j-1} (f_{i+1} - f_i) \cdot \frac{d_{i+1} + d_i}{2 \cdot d_{i+1} \cdot d_i}$$ [1]

[1] When $d_1 < 0.0025$ the following term is added: $\left(\frac{3}{2} \cdot \frac{f_2 - f_1}{d_1}\right)$

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .38

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)
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2.9	0.075
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31.9	0.25
74.2	0.425
96.9	0.85
99	2.36
99.6	4.75
100	9.52

ZUNKER METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

$$K = \textbf{2.55E-02 cm/sec}$$

$$\nu = 1.14 \text{ mm}^2/\text{s}$$

$$0.007 < C < 0.24$$

$$\varphi(n) = \left(\frac{n}{1-n}\right)^2$$

$$n = 0.255 \cdot \left(1 + 0.83^{\eta}\right)$$

$$\eta = d_{60}/d_{10}$$

$$\frac{1}{d_e} = \sum_{i=1}^{j-1} (f_{i+1} - f_i) \cdot \frac{d_{i+1} - d_i}{d_{i+1} \cdot d_i \cdot (\ln d_{i+1} - \ln d_i)}$$ [1]

[1] When $d_1 < 0.0025$ the following term is added: $\left(\frac{3}{2} \cdot \frac{f_2 - f_1}{d_1}\right)$

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .38

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)
d_i	- Diameter of fraction i	(mm)
f_i	- Fraction i of sample	–
i	- Fraction number	–
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* May substitute measured porosity.

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Sample Date:
Interval: 160-162
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HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.054
2.9	0.075
9.7	0.15
15.4	0.18
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99	2.36
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100	9.52

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .38

USBR METHOD

$$K = \frac{g}{v} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

K = **9.88E-03 cm/sec**

$v = 1.14 \text{ mm}^2/\text{s}$

$C = 0.048 \cdot d_{20}^{0.3}$

$\varphi(n) = 1$

$n = 0.255 \cdot (1 + 0.83^{\eta})$

$\eta = d_{60}/d_{10}$

$d_e = d_{20}$

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
v	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{20}	- Diameter at 20%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

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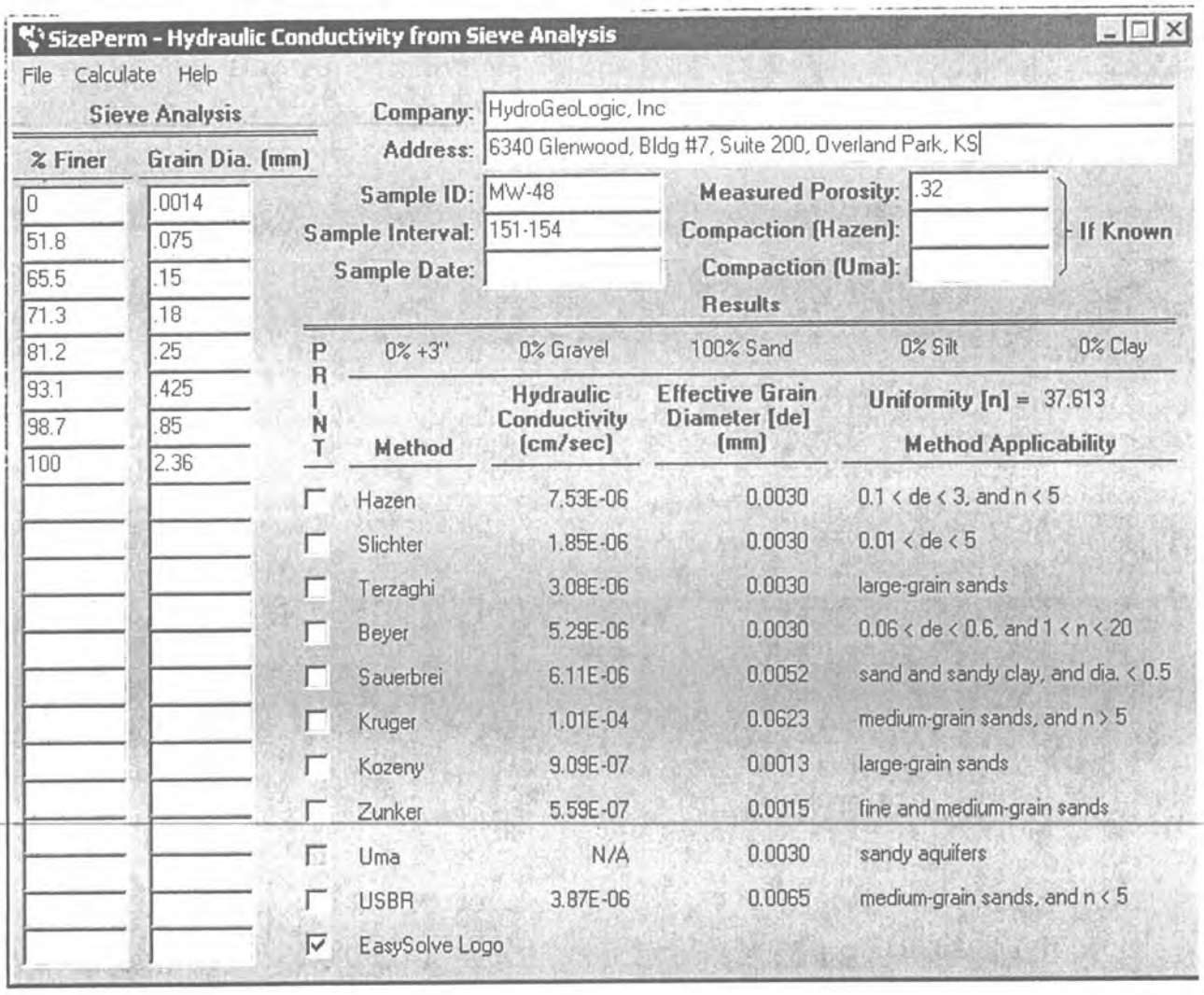

US EPA ARCHIVE DOCUMENT

HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-49
Sample Date:
Interval: 125-127.5
Porosity: .39

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.03
4.9	0.075
9.1	0.15
11.8	0.18
19.9	0.25
52	0.425
86.6	0.85
96.5	2.36
99.7	4.75
100	9.52

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .39

HAZEN METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

K = **3.02E-02 cm/sec**

$\nu = 1.14 \text{ mm}^2/\text{s}$

$C = 0.06$

$\varphi(n) = 1 + 10 \cdot (n - 0.26)$

$n = 0.255 \cdot (1 + 0.83^{\eta})$

$\eta = d_{60}/d_{10}$

$d_e = d_{10}$

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-49
Sample Date:
Interval: 125-127.5
Porosity: .39

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.03
4.9	0.075
9.1	0.15
11.8	0.18
19.9	0.25
52	0.425
86.6	0.85
96.5	2.36
99.7	4.75
100	9.52

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .39

SLICHTER METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

$\nu = 1.14 \text{ mm}^2/\text{s}$

K = **9.90E-03 cm/sec**

$C = 1$

$\varphi(n) = n^{3.287}$

$n = 0.255 \cdot (1 + 0.83^{\eta})$

$\eta = d_{60}/d_{10}$

$d_e = d_{10}$

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-49
Sample Date:
Interval: 125-127.5
Porosity: .39

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.03
4.9	0.075
9.1	0.15
11.8	0.18
19.9	0.25
52	0.425
86.6	0.85
96.5	2.36
99.7	4.75
100	9.52

TERZAGHI METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

$$\nu = 1.14 \text{ mm}^2/\text{s}$$

$$0.61 < C < 1.07$$

$$\varphi(n) = \left(\frac{n - 0.13}{\sqrt[3]{1-n}} \right)^2$$

$$n = 0.255 \cdot \left(1 + 0.83^{\eta}\right)$$

$$\eta = d_{60}/d_{10}$$

$$d_e = d_{10}$$

K = 1.73E-02 cm/sec

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .39

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-49
Sample Date:
Interval: 125-127.5
Porosity: .39

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.03
4.9	0.075
9.1	0.15
11.8	0.18
19.9	0.25
52	0.425
86.6	0.85
96.5	2.36
99.7	4.75
100	9.52

BEYER METHOD

$$K = \frac{g}{v} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

$$v = 1.14 \text{ mm}^2/\text{s}$$

$$C = 0.06 \cdot \log\left(\frac{500}{\eta}\right)$$

$$\varphi(n) = 1$$

$$n = 0.255 \cdot (1 + 0.83^{\eta})$$

$$\eta = d_{60}/d_{10}$$

$$d_e = d_{10}$$

K = 2.89E-02 cm/sec

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .39

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
v	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-49
Sample Date:
Interval: 125-127.5
Porosity: .39

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.03
4.9	0.075
9.1	0.15
11.8	0.18
19.9	0.25
52	0.425
86.6	0.85
96.5	2.36
99.7	4.75
100	9.52

SAUERBREI METHOD

$$K = \frac{g}{v} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

$v = 1.14 \text{ mm}^2/\text{s}$

K = **2.54E-02 cm/sec**

$C = 0.375$

$$\varphi(n) = \frac{n^3}{(1-n)^2}$$

$$n = 0.255 \cdot \left(1 + 0.83^{\eta}\right)$$

$\eta = d_{60}/d_{10}$

$d_e = d_{17}$

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .39

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
v	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{17}	- Diameter at 17%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-49
Sample Date:
Interval: 125-127.5
Porosity: .39

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.03
4.9	0.075
9.1	0.15
11.8	0.18
19.9	0.25
52	0.425
86.6	0.85
96.5	2.36
99.7	4.75
100	9.52

KRUGER METHOD

$$K = \frac{g}{v} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

$$v = 1.14 \text{ mm}^2/\text{s}$$

$$K = \mathbf{3.37E\text{-}03 \text{ cm/sec}}$$

$$C = 4.35 \cdot 10^{-3}$$

$$\varphi(n) = \frac{n}{(1-n)^2}$$

$$n = 0.255 \cdot \left(1 + 0.83^{\eta}\right)$$

$$\eta = d_{60}/d_{10}$$

$$\frac{1}{d_e} = \sum_{i=1}^{j-1} (f_{i+1} - f_i) \cdot \frac{2}{d_{i+1} + d_i}$$

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .39

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
v	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)
d_i	- Diameter of fraction i	(mm)
f_i	- Fraction i of sample	–
i	- Fraction number	–
j	- Number of fractions	–

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-49
Sample Date:
Interval: 125-127.5
Porosity: .39

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.03
4.9	0.075
9.1	0.15
11.8	0.18
19.9	0.25
52	0.425
86.6	0.85
96.5	2.36
99.7	4.75
100	9.52

KOZENY METHOD

$$K = \frac{g}{v} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

$$v = 1.14 \text{ mm}^2/\text{s}$$

K = **7.74E-02 cm/sec**

$$C = 0.83$$

$$\varphi(n) = \frac{n^3}{(1-n)^2}$$

$$n = 0.255 \cdot (1 + 0.83^{\eta})$$

$$\eta = d_{60}/d_{10}$$

$$\frac{1}{d_e} = \sum_{i=1}^{j-1} (f_{i+1} - f_i) \cdot \frac{d_{i+1} + d_i}{2 \cdot d_{i+1} \cdot d_i}$$ [1]

[1] When $d_1 < 0.0025$ the following term is added: $\left(\frac{3}{2} \cdot \frac{f_2 - f_1}{d_1}\right)$

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .39

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
v	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)
d_i	- Diameter of fraction i	(mm)
f_i	- Fraction i of sample	–
i	- Fraction number	–
j	- Number of fractions	–

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-49
Sample Date:
Interval: 125-127.5
Porosity: .39

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.03
4.9	0.075
9.1	0.15
11.8	0.18
19.9	0.25
52	0.425
86.6	0.85
96.5	2.36
99.7	4.75
100	9.52

ZUNKER METHOD

$$K = \frac{g}{v} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

$$K = \textbf{3.19E-02 cm/sec}$$

$$v = 1.14 \text{ mm}^2/\text{s}$$

$$0.007 < C < 0.24$$

$$\varphi(n) = \left(\frac{n}{1-n}\right)^2$$

$$n = 0.255 \cdot \left(1 + 0.83^{\eta}\right)$$

$$\eta = d_{60}/d_{10}$$

$$\frac{1}{d_e} = \sum_{i=1}^{j-1} \left(f_{i+1} - f_i\right) \cdot \frac{d_{i+1} - d_i}{d_{i+1} \cdot d_i \cdot \left(\ln d_{i+1} - \ln d_i\right)}$$ [1]

[1] When $d_1 < 0.0025$ the following term is added: $\left(\frac{3}{2} \cdot \frac{f_2 - f_1}{d_1}\right)$

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .39

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
v	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)
d_i	- Diameter of fraction i	(mm)
f_i	- Fraction i of sample	–
i	- Fraction number	–
j	- Number of fractions	–

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-49
Sample Date:
Interval: 125-127.5
Porosity: .39

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.03
4.9	0.075
9.1	0.15
11.8	0.18
19.9	0.25
52	0.425
86.6	0.85
96.5	2.36
99.7	4.75
100	9.52

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .39

USBR METHOD

$$K = \frac{g}{v} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

K = **1.71E-02 cm/sec**

$v = 1.14 \text{ mm}^2/\text{s}$

$C = 0.048 \cdot d_{20}^{0.3}$

$\varphi(n) = 1$

$n = 0.255 \cdot (1 + 0.83^{\eta})$

$\eta = d_{60}/d_{10}$

$d_e = d_{20}$

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
v	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{20}	- Diameter at 20%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-50
Sample Date:
Interval: 128.5-130.5
Porosity: .30

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.0036
88.5	0.075
92.7	0.15
94	0.18
96.1	0.25
98.8	0.425
99.2	2.36
99.9	4.75
100	9.52

HAZEN METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

K = **1.86E-05 cm/sec**

$\nu = 1.14 \text{ mm}^2/\text{s}$

$C = 0.06$

$\varphi(n) = 1 + 10 \cdot (n - 0.26)$

$n = 0.255 \cdot (1 + 0.83^{\eta})$

$\eta = d_{60}/d_{10}$

$d_e = d_{10}$

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .30

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-50
Sample Date:
Interval: 128.5-130.5
Porosity: .30

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.0036
88.5	0.075
92.7	0.15
94	0.18
96.1	0.25
98.8	0.425
99.2	2.36
99.9	4.75
100	9.52

SLICHTER METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

K = **4.23E-06 cm/sec**

$\nu = 1.14 \text{ mm}^2/\text{s}$

$C = 1$

$\varphi(n) = n^{3.287}$

$n = 0.255 \cdot (1 + 0.83^{\eta})$

$\eta = d_{60}/d_{10}$

$d_e = d_{10}$

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .30

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-50
Sample Date:
Interval: 128.5-130.5
Porosity: .30

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.0036
88.5	0.075
92.7	0.15
94	0.18
96.1	0.25
98.8	0.425
99.2	2.36
99.9	4.75
100	9.52

TERZAGHI METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

$$\nu = 1.14 \text{ mm}^2/\text{s}$$

K = **6.82E-06 cm/sec**

$$0.61 < C < 1.07$$

$$\varphi(n) = \left(\frac{n - 0.13}{\sqrt[3]{1-n}} \right)^2$$

$$n = 0.255 \cdot \left(1 + 0.83^{\eta}\right)$$

$$\eta = d_{60}/d_{10}$$

$$d_e = d_{10}$$

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .30

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-50
Sample Date:
Interval: 128.5-130.5
Porosity: .30

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.0036
88.5	0.075
92.7	0.15
94	0.18
96.1	0.25
98.8	0.425
99.2	2.36
99.9	4.75
100	9.52

BEYER METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(\mathrm{n}) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

$$\nu = 1.14 \text{ mm}^2/\text{s}$$

K = **2.60E-05 cm/sec**

$$C = 0.06 \cdot \log\left(\frac{500}{\eta}\right)$$

$$\varphi(n) = 1$$

$$n = 0.255 \cdot \left(1 + 0.83^{\eta}\right)$$

$$\eta = d_{60}/d_{10}$$

$$d_e = d_{10}$$

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .30

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s²)
ν	- Viscosity	(mm²/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-50
Sample Date:
Interval: 128.5-130.5
Porosity: .30

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.0036
88.5	0.075
92.7	0.15
94	0.18
96.1	0.25
98.8	0.425
99.2	2.36
99.9	4.75
100	9.52

SAUERBREI METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

K = **7.40E-06 cm/sec**

$\nu = 1.14 \text{ mm}^2/\text{s}$

$C = 0.375$

$$\varphi(n) = \frac{n^3}{(1-n)^2}$$

$$n = 0.255 \cdot (1 + 0.83^{\eta})$$

$\eta = d_{60}/d_{10}$

$d_e = d_{17}$

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .30

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{17}	- Diameter at 17%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-50
Sample Date:
Interval: 128.5-130.5
Porosity: .30

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.0036
88.5	0.075
92.7	0.15
94	0.18
96.1	0.25
98.8	0.425
99.2	2.36
99.9	4.75
100	9.52

KRUGER METHOD

$$K = \frac{g}{v} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

$K \equiv$ **4.27E-05 cm/sec**

$v = 1.14 \text{ mm}^2/\text{s}$

$C = 4.35 \cdot 10^{-3}$

$$\varphi(n) = \frac{n}{(1-n)^2}$$

$$n \equiv 0.255 \cdot (1 + 0.83^{\eta})$$

$$\eta \equiv d_{60}/d_{10}$$

$$\frac{1}{d_e} = \sum_{i=1}^{j-1} (f_{i+1} - f_i) \cdot \frac{2}{d_{i+1} + d_i}$$

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .30

VARIABLES

K	-	Hydraulic conductivity	(cm/s)
g	-	Acceleration due to gravity	(m/s^2)
v	-	Viscosity	(mm^2/s)
C	-	Coefficient	–
$\varphi(n)$	-	Function of porosity	–
n	-	Porosity *	–
η	-	Uniformity	–
d_e	-	Effective grain diameter	(mm)
d_{10}	-	Diameter at 10%	(mm)
d_{60}	-	Diameter at 60%	(mm)
d_i	-	Diameter of fraction i	(mm)
f_i	-	Fraction i of sample	–
i	-	Fraction number	–
j	-	Number of fractions	–

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-50
Sample Date:
Interval: 128.5-130.5
Porosity: .30

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.0036
88.5	0.075
92.7	0.15
94	0.18
96.1	0.25
98.8	0.425
99.2	2.36
99.9	4.75
100	9.52

KOZENY METHOD

$$K = \frac{g}{v} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

$$v = 1.14 \text{ mm}^2/\text{s}$$

$$K = \textbf{2.35E-05 cm/sec}$$

$$C = 0.83$$

$$\varphi(n) = \frac{n^3}{(1-n)^2}$$

$$n = 0.255 \cdot (1 + 0.83^{\eta})$$

$$\eta = d_{60}/d_{10}$$

$$\frac{1}{d_e} = \sum_{i=1}^{j-1} (f_{i+1} - f_i) \cdot \frac{d_{i+1} + d_i}{2 \cdot d_{i+1} \cdot d_i}$$ [1]

[1] When $d_1 < 0.0025$ the following term is added: $\left(\frac{3}{2} \cdot \frac{f_2 - f_1}{d_1}\right)$

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .30

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
v	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)
d_i	- Diameter of fraction i	(mm)
f_i	- Fraction i of sample	–
i	- Fraction number	–
j	- Number of fractions	–

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-50
Sample Date:
Interval: 128.5-130.5
Porosity: .30

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.0036
88.5	0.075
92.7	0.15
94	0.18
96.1	0.25
98.8	0.425
99.2	2.36
99.9	4.75
100	9.52

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .30

ZUNKER METHOD

$$K = \frac{g}{v} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

K = **3.23E-05 cm/sec**

$v = 1.14 \text{ mm}^2/\text{s}$

$0.007 < C < 0.24$

$$\varphi(n) = \left(\frac{n}{1-n}\right)^2$$

$$n = 0.255 \cdot \left(1 + 0.83^{\eta}\right)$$

$$\eta = d_{60}/d_{10}$$

$$\frac{1}{d_e} = \sum_{i=1}^{j-1} (f_{i+1} - f_i) \cdot \frac{d_{i+1} - d_i}{d_{i+1} \cdot d_i \cdot (\ln d_{i+1} - \ln d_i)}$$ [1]

[1] When $d_1 < 0.0025$ the following term is added: $\left(\frac{3}{2} \cdot \frac{f_2 - f_1}{d_1}\right)$

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
v	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)
d_i	- Diameter of fraction i	(mm)
f_i	- Fraction i of sample	–
i	- Fraction number	–
j	- Number of fractions	–

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-50
Sample Date:
Interval: 128.5-130.5
Porosity: .30

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.0036
88.5	0.075
92.7	0.15
94	0.18
96.1	0.25
98.8	0.425
99.2	2.36
99.9	4.75
100	9.52

USBR METHOD

$$K = \frac{g}{v} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

K = **4.80E-06 cm/sec**

$v = 1.14 \text{ mm}^2/\text{s}$

$C = 0.048 \cdot d_{20}^{0.3}$

$\varphi(n) = 1$

$n = 0.255 \cdot (1 + 0.83^{\eta})$

$\eta = d_{60}/d_{10}$

$d_e = d_{20}$

SIZE DISTRIBUTION

Percent	Size
0	+3"
0	Gravel
100	Sand
0	Silt
0	Clay

MEASURED POROSITY: .30

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
v	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{20}	- Diameter at 20%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-50
Sample Date:
Interval: 145.5-147.5
Porosity: .33

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.015
5.2	0.075
7.3	0.15
8.3	0.18
11	0.25
21.7	0.425
46.6	0.85
73.1	2.36
91.9	4.75
99	9.52
100	19.05

SIZE DISTRIBUTION

Percent	Size
0	+3"
9	Gravel
91	Sand
0	Silt
0	Clay

MEASURED POROSITY: .33

HAZEN METHOD

$$K = \frac{g}{v} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

K = **4.30E-02 cm/sec**

$v = 1.14 \text{ mm}^2/\text{s}$

$C = 0.06$

$\varphi(n) = 1 + 10 \cdot (n - 0.26)$

$n = 0.255 \cdot (1 + 0.83^{\eta})$

$\eta = d_{60}/d_{10}$

$d_e = d_{10}$

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
v	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-50
Sample Date:
Interval: 145.5-147.5
Porosity: .33

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.015
5.2	0.075
7.3	0.15
8.3	0.18
11	0.25
21.7	0.425
46.6	0.85
73.1	2.36
91.9	4.75
99	9.52
100	19.05

SIZE DISTRIBUTION

Percent	Size
0	+3"
9	Gravel
91	Sand
0	Silt
0	Clay

MEASURED POROSITY: .33

SLICHTER METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where:$$

K = **1.10E-02 cm/sec**

$g = 9.81\ \mathrm{m/s^2}$

$\nu = 1.14\ \mathrm{mm^2/s}$

$C = 1$

$\varphi(n) = n^{3.287}$

$n = 0.255 \cdot (1 + 0.83^{\eta})$

$\eta = d_{60}/d_{10}$

$d_e = d_{10}$

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-50
Sample Date:
Interval: 145.5-147.5
Porosity: .33

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.015
5.2	0.075
7.3	0.15
8.3	0.18
11	0.25
21.7	0.425
46.6	0.85
73.1	2.36
91.9	4.75
99	9.52
100	19.05

SIZE DISTRIBUTION

Percent	Size
0	+3"
9	Gravel
91	Sand
0	Silt
0	Clay

MEASURED POROSITY: .33

TERZAGHI METHOD

$$K = \frac{g}{v} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

K = **1.85E-02 cm/sec**

$v = 1.14 \text{ mm}^2/\text{s}$

$0.61 < C < 1.07$

$$\varphi(n) = \left(\frac{n - 0.13}{\sqrt[3]{1-n}} \right)^2$$

$$n = 0.255 \cdot \left(1 + 0.83^{\eta}\right)$$

$\eta = d_{60}/d_{10}$

$d_e = d_{10}$

VARIABLES

K	-	Hydraulic conductivity	(cm/s)
g	-	Acceleration due to gravity	(m/s^2)
v	-	Viscosity	(mm^2/s)
C	-	Coefficient	–
$\varphi(n)$	-	Function of porosity	–
n	-	Porosity *	–
η	-	Uniformity	–
d_e	-	Effective grain diameter	(mm)
d_{10}	-	Diameter at 10%	(mm)
d_{60}	-	Diameter at 60%	(mm)

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-50
Sample Date:
Interval: 145.5-147.5
Porosity: .33

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.015
5.2	0.075
7.3	0.15
8.3	0.18
11	0.25
21.7	0.425
46.6	0.85
73.1	2.36
91.9	4.75
99	9.52
100	19.05

SIZE DISTRIBUTION

Percent	Size
0	+3"
9	Gravel
91	Sand
0	Silt
0	Clay

MEASURED POROSITY: .33

BEYER METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where:$$

K = **4.78E-02 cm/sec**

$g = 9.81\ m/s^2$

$\nu = 1.14\ mm^2/s$

$C = 0.06 \cdot \log\left(\frac{500}{\eta}\right)$

$\varphi(n) = 1$

$n = 0.255 \cdot (1 + 0.83^{\eta})$

$\eta = d_{60}/d_{10}$

$d_e = d_{10}$

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-50
Sample Date:
Interval: 145.5-147.5
Porosity: .33

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.015
5.2	0.075
7.3	0.15
8.3	0.18
11	0.25
21.7	0.425
46.6	0.85
73.1	2.36
91.9	4.75
99	9.52
100	19.05

SIZE DISTRIBUTION

Percent	Size
0	+3"
9	Gravel
91	Sand
0	Silt
0	Clay

MEASURED POROSITY: .33

SAUERBREI METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

$$\nu = 1.14 \text{ mm}^2/\text{s}$$

$$C = 0.375$$

$$\varphi(n) = \frac{n^3}{(1-n)^2}$$

$$n = 0.255 \cdot (1 + 0.83^{\eta})$$

$$\eta = d_{60}/d_{10}$$

$$d_e = d_{17}$$

$K \equiv$ **2.93E-02 cm/sec**

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	-
$\varphi(n)$	- Function of porosity	-
n	- Porosity *	-
η	- Uniformity	-
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{17}	- Diameter at 17%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-50
Sample Date:
Interval: 145.5-147.5
Porosity: .33

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.015
5.2	0.075
7.3	0.15
8.3	0.18
11	0.25
21.7	0.425
46.6	0.85
73.1	2.36
91.9	4.75
99	9.52
100	19.05

KRUGER METHOD

$$K = \frac{g}{v} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

K = **4.53E-03 cm/sec**

$v = 1.14 \text{ mm}^2/\text{s}$

$C = 4.35 \cdot 10^{-3}$

$$\varphi(n) = \frac{n}{(1-n)^2}$$

$$n = 0.255 \cdot (1 + 0.83^{\eta})$$

$$\eta = d_{60}/d_{10}$$

$$\frac{1}{d_e} = \sum_{i-1}^{j-1} (f_{i+1} - f_i) \cdot \frac{2}{d_{i+1} + d_i}$$

SIZE DISTRIBUTION

Percent	Size
0	+3"
9	Gravel
91	Sand
0	Silt
0	Clay

MEASURED POROSITY: .33

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
v	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)
d_i	- Diameter of fraction i	(mm)
f_i	- Fraction i of sample	–
i	- Fraction number	–
j	- Number of fractions	–

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-50
Sample Date:
Interval: 145.5-147.5
Porosity: .33

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.015
5.2	0.075
7.3	0.15
8.3	0.18
11	0.25
21.7	0.425
46.6	0.85
73.1	2.36
91.9	4.75
99	9.52
100	19.05

KOZENY METHOD

$$K = \frac{g}{v} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

$$v = 1.14 \text{ mm}^2/\text{s}$$

$$C = 0.83$$

$$\varphi(n) = \frac{n^3}{(1-n)^2}$$

$$n = 0.255 \cdot (1 + 0.83^{\eta})$$

$$\eta = d_{60}/d_{10}$$

$$\frac{1}{d_e} = \sum_{i=1}^{j-1} (f_{i+1} - f_i) \cdot \frac{d_{i+1} + d_i}{2 \cdot d_{i+1} \cdot d_i}$$ [1]

K = 4.55E-02 cm/sec

[1] When $d_1 < 0.0025$ the following term is added: $\left(\frac{3}{2} \cdot \frac{f_2 - f_1}{d_1}\right)$

SIZE DISTRIBUTION

Percent	Size
0	+3"
9	Gravel
91	Sand
0	Silt
0	Clay

MEASURED POROSITY: .33

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
v	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)
d_i	- Diameter of fraction i	(mm)
f_i	- Fraction i of sample	–
i	- Fraction number	–
j	- Number of fractions	–

* May substitute measured porosity.

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HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-50
Sample Date:
Interval: 145.5-147.5
Porosity: .33

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.015
5.2	0.075
7.3	0.15
8.3	0.18
11	0.25
21.7	0.425
46.6	0.85
73.1	2.36
91.9	4.75
99	9.52
100	19.05

ZUNKER METHOD

$$K = \frac{g}{v} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

$$v = 1.14 \text{ mm}^2/\text{s}$$

$$K = \textbf{2.63E-02 cm/sec}$$

$$0.007 < C < 0.24$$

$$\varphi(n) = \left(\frac{n}{1-n}\right)^2$$

$$n = 0.255 \cdot \left(1 + 0.83^{\eta}\right)$$

$$\eta = d_{60}/d_{10}$$

$$\frac{1}{d_e} = \sum_{i=1}^{j-1} (f_{i+1} - f_i) \cdot \frac{d_{i+1} - d_i}{d_{i+1} \cdot d_i \cdot (\ln d_{i+1} - \ln d_i)}$$ [1]

[1] When $d_1 < 0.0025$ the following term is added: $\left(\frac{3}{2} \cdot \frac{f_2 - f_1}{d_1}\right)$

SIZE DISTRIBUTION

Percent	Size
0	+3"
9	Gravel
91	Sand
0	Silt
0	Clay

MEASURED POROSITY: .33

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
v	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{60}	- Diameter at 60%	(mm)
d_i	- Diameter of fraction i	(mm)
f_i	- Fraction i of sample	–
i	- Fraction number	–
j	- Number of fractions	–

* May substitute measured porosity.

EasySolve Software LLC
P.O. Box 3247, Eagle, Colorado 81631
www.easysolve.com (970) 319-1591

HydroGeoLogic, Inc. 7/22/2011

Sample ID: MW-50
Sample Date:
Interval: 145.5-147.5
Porosity: .33

HYDRAULIC CONDUCTIVITY CALCULATED FROM SIEVE ANALYSIS

SIEVE ANALYSIS

Percent	Diameter
0	0.015
5.2	0.075
7.3	0.15
8.3	0.18
11	0.25
21.7	0.425
46.6	0.85
73.1	2.36
91.9	4.75
99	9.52
100	19.05

SIZE DISTRIBUTION

Percent	Size
0	+3"
9	Gravel
91	Sand
0	Silt
0	Clay

MEASURED POROSITY: .33

USBR METHOD

$$K = \frac{g}{\nu} \cdot C \cdot \varphi(n) \cdot d_e^2 \quad where: \quad g = 9.81 \text{ m/s}^2$$

K = **4.75E-02 cm/sec**

$\nu = 1.14 \text{ mm}^2/\text{s}$

$C = 0.048 \cdot d_{20}^{0.3}$

$\varphi(n) = 1$

$n = 0.255 \cdot (1 + 0.83^{\eta})$

$\eta = d_{60}/d_{10}$

$d_e = d_{20}$

VARIABLES

K	- Hydraulic conductivity	(cm/s)
g	- Acceleration due to gravity	(m/s^2)
ν	- Viscosity	(mm^2/s)
C	- Coefficient	–
$\varphi(n)$	- Function of porosity	–
n	- Porosity *	–
η	- Uniformity	–
d_e	- Effective grain diameter	(mm)
d_{10}	- Diameter at 10%	(mm)
d_{20}	- Diameter at 20%	(mm)
d_{60}	- Diameter at 60%	(mm)

* May substitute measured porosity.

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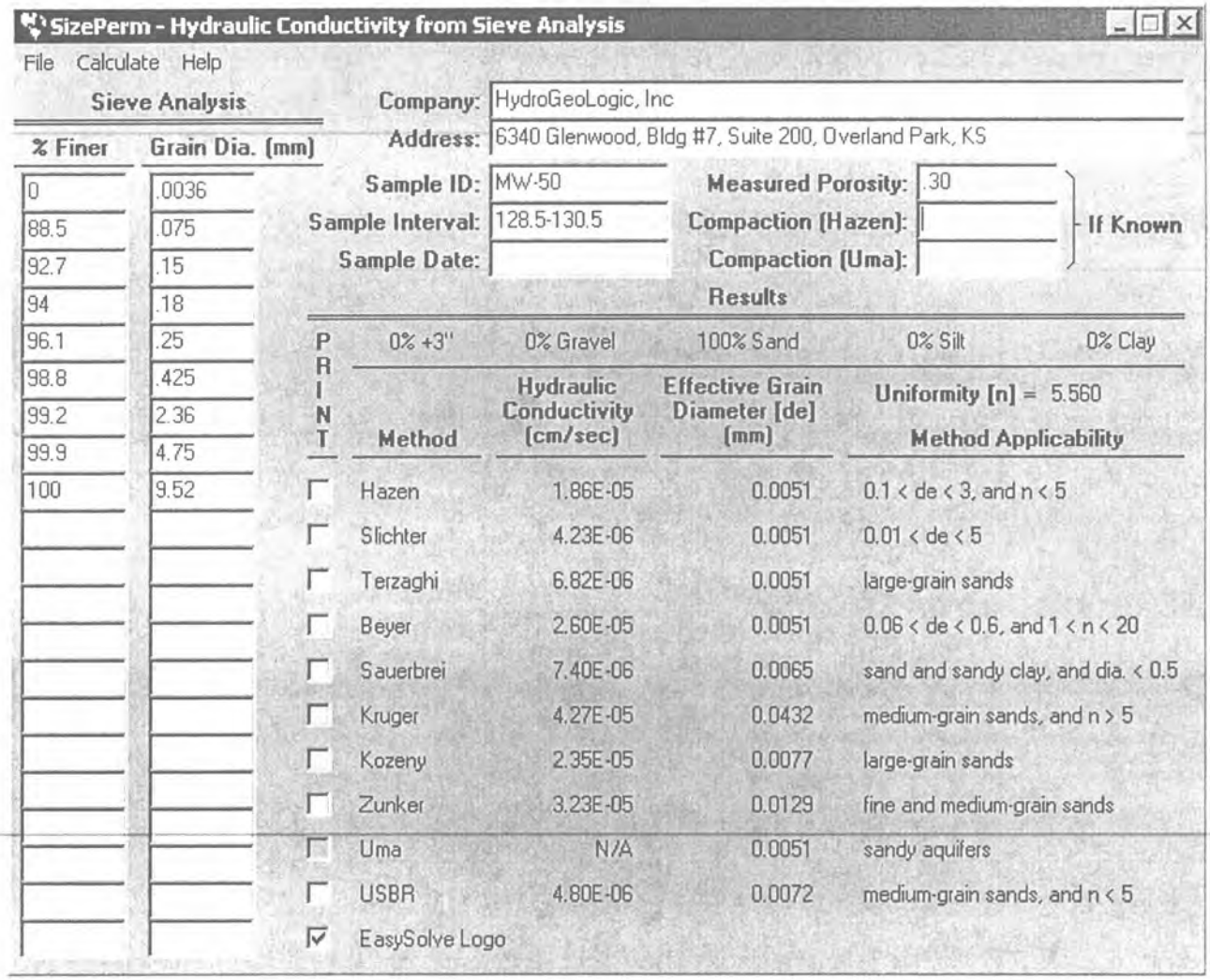

SizePerm - Hydraulic Conductivity from Sieve Analysis

File Calculate Help

Sieve Analysis

% Finer	Grain Dia. (mm)
0	.0036
88.5	.075
92.7	.15
94	.18
96.1	.25
98.8	.425
99.2	2.36
99.9	4.75
100	9.52

Company: HydroGeoLogic, Inc

Address: 6340 Glenwood, Bldg #7, Suite 200, Overland Park, KS

Sample ID: MW-50

Sample Interval: 128.5-130.5

Sample Date:

Measured Porosity: .30

Compaction (Hazen):

Compaction (Uma):

If Known

Results

0% +3" | 0% Gravel | 100% Sand | 0% Silt | 0% Clay

Uniformity [n] = 5.560

PRINT	Method	Hydraulic Conductivity (cm/sec)	Effective Grain Diameter [de] (mm)	Method Applicability
☐	Hazen	1.86E-05	0.0051	0.1 < de < 3, and n < 5
☐	Slichter	4.23E-06	0.0051	0.01 < de < 5
☐	Terzaghi	6.82E-06	0.0051	large-grain sands
☐	Beyer	2.60E-05	0.0051	0.06 < de < 0.6, and 1 < n < 20
☐	Sauerbrei	7.40E-06	0.0065	sand and sandy clay, and dia. < 0.5
☐	Kruger	4.27E-05	0.0432	medium-grain sands, and n > 5
☐	Kozeny	2.35E-05	0.0077	large-grain sands
☐	Zunker	3.23E-05	0.0129	fine and medium-grain sands
☐	Uma	N/A	0.0051	sandy aquifers
☐	USBR	4.80E-06	0.0072	medium-grain sands, and n < 5
☑	EasySolve Logo			

US EPA ARCHIVE DOCUMENT

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