

US EPA ARCHIVE DOCUMENT



Groundwater Sampling Form

Well No. MW-132

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Client: CHENRON
Project: POC SENTINEL 30 2009
Project No.: 500-017-142

Well Condition: GOOD
Geologist: T. GUNN & D. BARRETT
Date: 7.20.09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 44.45
Depth to Water: 37.15
Depth to Product: ND
Casing Diameter: 2"
Water Column: 7.3
Casing Volume (Water Column x Gallons per foot): 1.17
Purge Volume (3 x Casing Volume): 3.5

Purge Information

Purge Start Time: 1245
Purge Method: Low Flow
Flow Rate: .29 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 1255 | 6.75 | 6.84 | 1076 | 18.41 | 1.72 | 66 | 1322 |
| 1300 | 7.5 | 6.78 | 1087 | 18.69 | 1.60 | 47 | 342.4 |
| 1305 | 8.5 | 6.75 | 1104 | 19.44 | 1.62 | 44 | 93.4 |
| 1310 | 9.5 | 6.77 | 1096 | 19.28 | 1.56 | 37 | 40.2 |
| 1315 | 10.5 | 6.76 | 1106 | 19.54 | 1.53 | 34 | 21.7 |
| 1320 | 11.75 | 6.76 | 1117 | 20.10 | 1.49 | 30 | 12.0 |
| 1325 | 12.5 | 6.76 | 1117 | 20.09 | 1.48 | 27 | 8.4 |
| 1330 | 13.5 | 6.77 | 1118 | 20.17 | 1.46 | 24 | 7.1 |
| 1335 | 15.0 | 6.78 | 1120 | 20.26 | 1.44 | 21 | 5.0 |
| 1340 | 16.0 | 6.79 | 1103 | 19.67 | 1.43 | 18 | 4.9 |

Purge Finish Time: 1340
Total Volume Purged: 16.0
Final Depth to Water: 37.15

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1340
Analytical Suite Collected: COC
QAQC Samples Collected: BD-1,072009 EB-1,072009 @ 815A

Notes: _____



Groundwater Sampling Form

Well No. MW-134

Client: Chevron
 Project: POC-Sentinel Well sampling
 Project No.: 500-017-012

Well Condition: Good
 Geologist: D. Barrett T. Gunn
 Date: 7-20-09

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Well Information

Total Depth: 44.1
 Depth to Water: 36.95
 Depth to Product: NA
 Casing Diameter: 2"
 Water Column: 7.15
 Casing Volume (Water Column x Gallons per foot): 1,144 gal
 Purge Volume (3x Casing Volume): 3,42 gal

Purge Information

Purge Start Time: 1405
 Purge Method: Low Flow
 Flow Rate: ~~2.5~~ 35 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|-----------------------|------------------|-------|-----------------------|-------------|------|-----|-----------|
| 14:25 | 11 | 7.2 | 963 | 18.75 | 0.58 | -54 | 20.3 |
| 14:30 | 12 | 7.18 | 962 | 18.07 | 0.57 | -55 | 835.8 |
| 14:35 | 13 17 | 7.14 | 968 | 18.49 | 0.66 | -48 | 348.1 |
| 14:40 | 18 | 7.13 | 998 | 19.55 | 0.68 | -42 | 134.3 |
| 14:45 | 19 | 7.09 | 1011 | 21.8 | 0.67 | -37 | 267.3 |
| 14:50 | 20 | 7.06 | 1062 | 22.74 | 0.71 | -34 | 127.6 |
| 14:55 | 21 | 7.05 | 1062 | 22.75 | 0.72 | -34 | 91.4 |
| 15:00 | 22 | 7.08 | 1027 | 21.27 | 0.74 | -43 | 37.3 |
| 15:05 | 23 | 7.10 | 1020 | 20.85 | 0.72 | -47 | 17.3 |
| 15:10 | 24 | 7.08 | 1037 | 21.63 | 0.73 | -45 | 6.1 |
| 15:15 | 25 | 7.07 | 1037 | 21.45 | 0.74 | -47 | 3.7 |
| Purge Finish Time: | | 1520 | | | | | |
| Total Volume Purged: | | 26 | | | | | |
| Final Depth to Water: | | 36.95 | | | | | |

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1520
 Analytical Suite Collected: COC
 QAQC Samples Collected: NONE

Notes: Purged 15 minutes but couldn't get readings w/ recon. Switched out recon logging at 14:25. AT 14:30 pump slid down and disturbed column, turbidity high again.



Groundwater Sampling Form

Well No. MW-139

Client: Cherco
 Project: POC Sewerall July 2009
 Project No.: SO2-017-012

Well Condition: Good
 Geologist: William D. Barrett
 Date: Feb-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 49.95
 Depth to Water: 39.81
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 10.14
 Casing Volume (Water Column x Gallons per foot): 1.62
 Purge Volume (3 x Casing Volume): 4.87

Purge Information

Purge Start Time: 1435
 Purge Method: Low Flow
 Flow Rate: .33 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------------|------|-----------------------|-------------|------|------|-----------|
| 1445 | 7.0 | 7.29 | 958.3 | 18.86 | 0.20 | -307 | 532.6 |
| 1450 | 8.0 | 7.18 | 963.0 | 18.63 | 0.21 | -307 | 151.2 |
| 1455 | 9.5 | 7.18 | 953.5 | 18.45 | 0.18 | -312 | 23.8 |
| 1500 | 10.5 | 7.18 | 957.1 | 18.68 | 0.15 | -311 | 66.1 |
| 1505 | 11.5 | 7.13 | 966.1 | 19.07 | 0.12 | -309 | 62.7 |
| 1510 | 12.0 13.0 | 7.13 | 965.1 | 19.03 | 0.09 | -311 | 12.3 |
| 1515 | 14.5 | 7.12 | 967.5 | 19.17 | 0.06 | -314 | 8.3 |
| 1520 | 15.5 | 7.12 | 970.3 | 19.24 | 0.05 | -316 | 5.6 |
| 1525 | 16.5 | 7.11 | 967.4 | 19.14 | 0.03 | -320 | 4.6 |

Purge Finish Time: 1525
 Total Volume Purged: 16.5
 Final Depth to Water: 39.81

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1525
 Analytical Suite Collected: COC
 QAQC Samples Collected: NONE

Notes: _____



Groundwater Sampling Form

Well No. MW-138

Client: CHEVRON
Project: OC SENTINEL 3Q 2009
Project No. 500-017-012

Well Condition: GOOD
Geologist: J. HALL & D. BARRETT
Date: 7-21-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 49.95
 Depth to Water: 40.02
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 9.93
 Casing Volume (Water Column x Gallons per foot): 1.59
 Purge Volume (3 x Casing Volume): 4.77

Purge Information

Purge Start Time: 1330
 Purge Method: Low Flow
 Flow Rate: .21 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1340 | 4.0 | 7.32 | 1015 | 20.14 | 6.25 | -353 | 442.5 |
| 1345 | 5.5 | 7.21 | 1012 | 20.0 | 0.18 | -353 | 174.7 |
| 1350 | 6.0 | 7.17 | 1004 | 19.33 | 0.12 | -342 | 90.1 |
| 1355 | 7.0 | 7.17 | 989.2 | 18.87 | 0.14 | -334 | 44.4 |
| 1400 | 7.75 | 7.14 | 1008 | 19.76 | 0.15 | -325 | 20.7 |
| 1405 | 8.25 | 7.12 | 1008 | 19.76 | 0.16 | -328 | 13.5 |
| 1410 | 9.0 | 7.12 | 1007 | 19.71 | 0.17 | -332 | 9.8 |
| 1415 | 9.75 | 7.11 | 999.2 | 19.40 | 0.17 | -337 | 6.1 |
| 1420 | 10.5 | 7.12 | 997.7 | 19.48 | 0.15 | -339 | 8.6 |
| 1425 | 11.5 | 7.12 | 998.0 | 19.52 | 0.15 | -339 | 4.5 |

Purge Finish Time: 1425
 Total Volume Purged: 11.5
 Final Depth to Water: 40.02

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1425
 Analytical Suite Collected: LOC
 QAQC Samples Collected: NONE

Notes: _____



Groundwater Sampling Form

Well No. MB-35

Client: CHEPUN
Project: POC SENTINEL 3Q 2009
Project No. 500-017-012

Well Condition: GOOD
Geologist: J. HALL + D BARRETT
Date: 7-21-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 51.7
Depth to Water: 42.3
Depth to Product: NO
Casing Diameter: 2"
Water Column: 9.4
Casing Volume (Water Column x Gallons per foot): 1.50
Purge Volume (3 x Casing Volume): 4.51

Purge Information

Purge Start Time: 1030
Purge Method: Low Flow
Flow Rate: .20 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1040 | 2.0 | 7.15 | 912.7 | 18.32 | 0.24 | -258 | 442.2 |
| 1045 | 3.0 | 7.09 | 923.1 | 18.75 | 0.21 | -252 | 361.4 |
| 1050 | 4.0 | 7.04 | 936.1 | 19.4 | 0.28 | -243 | 188.9 |
| 1055 | 4.5 | 7.01 | 950.1 | 19.98 | 0.28 | -239 | 110.9 |
| 1100 | 5.0 | 7.01 | 943.5 | 19.59 | 0.23 | -247 | 94.7 |
| 1105 | 6.0 | 7.01 | 943.8 | 19.62 | 0.16 | -262 | 55.7 |
| 1110 | 6.75 | 7.00 | 941.4 | 19.55 | 0.14 | -268 | 41.0 |
| 1115 | 7.25 | 7.00 | 944.6 | 19.71 | 0.08 | -284 | 29.4 |
| 1120 | 8.50 | 7.00 | 944.2 | 19.64 | 0.06 | -288 | 22.3 |
| 1125 | 9.75 | 6.99 | 948.7 | 19.82 | 0.04 | -293 | 18.8 |

Purge Finish Time: 1150
Total Volume Purged: 15.5
Final Depth to Water: 42.3

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1150
Analytical Suite Collected: CSC
QAQC Samples Collected: NONE

Notes: _____



Groundwater Sampling Form

Well No. MW-35 SHEET 2

Client: _____
 Project: _____
 Project No. _____

Well Condition: _____
 Geologist: _____
 Date: 7.21-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: _____
 Depth to Water: _____
 Depth to Product: _____
 Casing Diameter: _____
 Water Column: _____
 Casing Volume (Water Column x Gallons per foot): _____
 Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: _____
 Purge Method: _____
 Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|-------------|----------------|-------------|-----------------------|--------------|-------------|-------------|-------------|
| <u>1130</u> | <u>11.0</u> | <u>6.99</u> | <u>942.9</u> | <u>19.52</u> | <u>0.03</u> | <u>-297</u> | <u>12.4</u> |
| <u>1135</u> | <u>12.5</u> | <u>6.99</u> | <u>950.1</u> | <u>19.76</u> | <u>0.02</u> | <u>-305</u> | <u>8.3</u> |
| <u>1140</u> | <u>13.5</u> | <u>6.99</u> | <u>950.0</u> | <u>19.75</u> | <u>0.01</u> | <u>-306</u> | <u>6.2</u> |
| <u>1145</u> | <u>14.5</u> | <u>6.99</u> | <u>950.2</u> | <u>19.84</u> | <u>0.00</u> | <u>-308</u> | <u>3.8</u> |
| <u>1150</u> | <u>15.5</u> | <u>6.99</u> | <u>950.0</u> | <u>19.86</u> | <u>0.00</u> | <u>-308</u> | <u>4.0</u> |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: _____
 Total Volume Purged: _____
 Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: _____
 Sample Collection Time: 1150
 Analytical Suite Collected: _____
 QAQC Samples Collected: _____

Notes: _____



Groundwater Sampling Form

Well No. MU-133

Client: Cherros
 Project: POC
 Project No.: 500-017-012

Well Condition: Good
 Geologist: J. Hill, D. Barrett
 Date: 7-21-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 50.6
 Depth to Water: 42.69
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 7.91
 Casing Volume (Water Column x Gallons per foot): 1.27
 Purge Volume (3 x Casing Volume): 3.80

Purge Information

Purge Start Time: 9:10
 Purge Method: Low Flow
 Flow Rate: 20 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 0915 | 1.0 | 7.23 | 853.3 | 63.48°F | 0.40 | -201 | 826.1 |
| 0925 | 2.0 | 7.00 | 862.1 | 17.97 | 0.10 | -242 | 426.3 |
| 0930 | 3.0 | 6.99 | 867.3 | 18.40 | 0.11 | -241 | 167.7 |
| 0935 | 4.0 | 6.99 | 867.1 | 18.62 | 0.12 | -241 | 107.9 |
| 0940 | 5.0 | 6.99 | 870.1 | 18.74 | 0.12 | -242 | 51.9 |
| 0945 | 6.0 | 7.00 | 871.9 | 18.78 | 0.12 | -244 | 40.1 |
| 0950 | 7.0 | 7.00 | 873.3 | 18.83 | 0.12 | -245 | 26.0 |
| 0955 | 7.75 | 7.00 | 872.6 | 18.83 | 0.11 | -248 | 20.2 |
| 1000 | 9.0 | 7.01 | 873.6 | 18.90 | 0.12 | -252 | 14.4 |
| 1005 | 10.0 | 7.01 | 870.3 | 19.14 | 0.12 | -255 | 12.0 |

Purge Finish Time: 1025
 Total Volume Purged: 14.0
 Final Depth to Water: 42.69

Sampling Information

Wellhead Gas Measurements: NA
 Sample Collection Time: 1025
 Analytical Suite Collected: VOC, Orss, Pb, As
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. MU-133

Client: _____
 Project: _____
 Project No. _____

Well Condition: _____
 Geologist: _____
 Date: _____

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: _____
 Depth to Water: _____
 Depth to Product: _____
 Casing Diameter: _____
 Water Column: _____
 Casing Volume (Water Column x Gallons per foot): _____
 Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: _____
 Purge Method: _____
 Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1610 | 16.75 | 7.01 | 876.7 | 19.08 | 0.12 | -258 | 10.1 |
| 1615 | 12.0 | 7.01 | 883.5 | 19.52 | 0.12 | -260 | 9.6 |
| 1620 | 13.0 | 7.01 | 887.1 | 19.59 | 0.11 | -262 | 8.9 |
| 1625 | 14.0 | 7.01 | 885.6 | 19.55 | 0.10 | -264 | 8.1 |
| | | | | | | | |
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| | | | | | | | |
| | | | | | | | |

Purge Finish Time: _____
 Total Volume Purged: _____
 Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: N/A
 Sample Collection Time: 1625
 Analytical Suite Collected: VOC, DRs, P6/As
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. MW-140

Client: CHEVRON
Project: POC SGNOWEL 3Q 2009
Project No. _____

Well Condition: Good
Geologist: J. HALL + D BARRETT
Date: 7-23-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: _____
Depth to Water: 40.0
Depth to Product: 39.96
Casing Diameter: _____
Water Column: _____
Casing Volume (Water Column x Gallons per foot): _____
Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: _____
Purge Method: _____
Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|----|-----------------------|-------------|----|-----|-----------|
| | | | | | | | |
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Purge Finish Time: _____
Total Volume Purged: _____
Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: _____
Sample Collection Time: _____
Analytical Suite Collected: _____
QAQC Samples Collected: _____

Notes: DID NOT SAMPLE LNAPL



Groundwater Sampling Form

Well No. MW-141

Client: Clow
 Project: Doc
 Project No.: 500-017-012

Well Condition: Good
 Geologist: J. Hill, D. Burnett
 Date: 7-23-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 52.88
 Depth to Water: 45.87 H₂O D₀₈
 Depth to Product: NO
 Casing Diameter: 2"
 Water Column: 7.01
 Casing Volume (Water Column x Gallons per foot): 1.12
 Purge Volume (3 x Casing Volume): 3.36

Purge Information

Purge Start Time: 1250
 Purge Method: LOW FLOW
 Flow Rate: .23 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1300 | 3.5 | 6.70 | 1020 | 19.81 | 0.21 | -127 | 212.4 |
| 1305 | 4.0 | 6.65 | 1050 | 18.88 | 0.35 | -123 | 172.7 |
| 1310 | 5.0 | 6.71 | 1018 | 17.72 | 0.23 | -128 | 36.9 |
| 1315 | 6.0 | 6.70 | 1027 | 18.12 | 0.20 | -131 | 9.3 |
| 1320 | 7.0 | 6.69 | 1027 | 18.17 | 0.23 | -133 | 5.3 |
| 1325 | 8.0 | 6.69 | 1027 | 18.18 | 0.20 | -135 | 4.1 |
| 1330 | 9.0 | 6.68 | 1028 | 18.18 | 0.20 | -137 | 3.0 |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1330
 Total Volume Purged: 9.0
 Final Depth to Water: 45.87

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1330
 Analytical Suite Collected: COE
 QAQC Samples Collected: MS/MSD, 072309

Notes: _____



Groundwater Sampling Form

Well No. MW-142

Client: Chemura
 Project: POC Subpoena
 Project No. 500-017-012

Well Condition: Good
 Geologist: J. H. D. Barnett
 Date: 7-23-08

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 52.9
 Depth to Water: 46.34 HCO₃⁻
 Depth to Product: ND
 Casing Diameter: 4"
 Water Column: 6.56
 Casing Volume (Water Column x Gallons per foot): 1.05
 Purge Volume (3 x Casing Volume): 3.15

Purge Information

Purge Start Time: 1030
 Purge Method: Low Flow
 Flow Rate: .24 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1040 | 4.0 | 6.72 | 1031 | 18.45 | 0.20 | -136 | 49.6 |
| 1045 | 5.0 | 6.70 | 1039 | 18.75 | 0.22 | -136 | 17.6 |
| 1050 | 6.0 | 6.70 | 1037 | 18.66 | 0.25 | -138 | 11.4 |
| 1055 | 7.0 | 6.70 | 1036 | 18.65 | 0.24 | -139 | 10.7 |
| 1100 | 8.0 | 6.69 | 1038 | 18.72 | 0.15 | -140 | 9.4 |
| 1105 | 9.0 | 6.70 | 1039 | 18.72 | 0.11 | -141 | 2.7 |
| 1110 | 10.0 | 6.70 | 1041 | 18.75 | 0.09 | -141 | 3.1 |
| 1115 | 11.0 | 6.69 | 1041 | 18.81 | 0.07 | -142 | 3.6 |

Purge Finish Time: 1115
 Total Volume Purged: 11.0
 Final Depth to Water: 46.34

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1115
 Analytical Suite Collected: COC
 QAQC Samples Collected: NONE

Notes: _____



Groundwater Sampling Form

Well No. MW-131

Client: Chewco
 Project: 100 SENTINEL 3Q-2009
 Project No. 500-017-012

Well Condition: Good
 Geologist: J. Hill, D. Barrett
 Date: 7-23-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 43.65
 Depth to Water: 33.93
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 9.72
 Casing Volume (Water Column x Gallons per foot): 1.54
 Purge Volume (3 x Casing Volume): 4.67

Purge Information

Purge Start Time: 0930
 Purge Method: LOW FLOW
 Flow Rate: .2 gpm

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 940 | 3.0 | 6.80 | 890.5 | 63.40 F | 0.07 | -149 | 35.9 |
| 945 | 3.75 | 6.77 | 869.8 | 17.68 C | 0.10 | -149 | 21.1 |
| 950 | 4.50 | 6.77 | 863.3 | 17.89 | 0.11 | -148 | 12.2 |
| 955 | 5.25 | 6.79 | 831.7 | 17.03 | 0.09 | -154 | 6.8 |
| 1000 | 6.0 | 6.79 | 832.7 | 17.12 | 0.07 | -157 | 4.9 |
| 1005 | 6.75 | 6.79 | 829.5 | 17.04 | 0.06 | -158 | 4.5 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1005
 Total Volume Purged: 6.75
 Final Depth to Water: 33.93

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1005
 Analytical Suite Collected: COC
 QAQC Samples Collected: NONE

Notes: IRON FOULING

Analysis Request / Environmental Services Chain of Custody



For Lancaster Laboratories use only

Acct. # _____

Group# _____

Sample # _____

COC # 216247

Please print. Instructions on reverse side correspond with circled numbers.

1 Client: Cheyrow Acct. #: 11494
 Project Name/ID: POC SENTINEL 30-2009 PWSID #/URL: 10009120
 Project Manager: DOUG LAN P.O.#: _____
 Sampler: DALE BARETT Quote #: _____
 Name of state where samples were collected: OHIO

3 Grab Composite _____
 Soil _____
 Water _____
 Other _____

4 Matrix _____
 Potable Check if _____
 NPDES Applicable _____

5 Analyses Requested
 Preservation Codes _____

| Sample Identification | Date Collected | Time Collected | Matrix | | | | Total # of Containers | Remarks | Temperature of samples upon receipt (if requested) |
|-----------------------|----------------|----------------|--------|------|-------|-------|-----------------------|---------|--|
| | | | Grab | Soil | Water | Other | | | |
| EB-107202009 | 7-20-09 | 0815 | X | | X | 4 | SEE ATTACHED | | |
| BD-107202009 | 7-20-09 | - | X | | X | 4 | ANALYTE LIST | | |
| MW-132/072009 | 7-20-09 | 1340 | X | | X | 4 | DISSOLVED METALS | | |
| MW-134/072009 | 7-20-09 | 1520 | X | | X | 4 | APC FIELD FILTERED | | |
| MW-133/072109 | 7-21-09 | 1025 | X | | X | 4 | | | |
| MW-35/072109 | 7-21-09 | 1150 | X | | X | 4 | | | |
| MW-138/072109 | 7-21-09 | 1425 | X | | X | 4 | QC SUMMARY | | |
| MW-139/072109 | 7-21-09 | 1525 | X | | X | 4 | DATA PACKAGE | | |
| MW-140/072309 | 7-23-09 | 1115 | X | | X | 4 | | | |
| MW-141/072309 | 7-23-09 | 1330 | X | | X | 4 | | | |
| MW-142/072309 | 7-23-09 | 1410 | X | | X | 4 | | | |
| MW-143/072309 | 7-23-09 | 1410 | X | | X | 4 | | | |

6 Preservation Codes
 H=HCl T=Thiosulfate
 N=HNO₃ B=NaOH
 S=H₂SO₄ O=Other

7 Turnaround Time Requested (TAT) (please circle): Normal (Rush)
 (Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
 Date results are needed: ASAP
 Rush results requested by (please circle): Phone Fax E-mail
 Phone #: 517-357-1023 Fax #: 517-357-4664
 E-mail address: LANLAB@LANLAB.CO

8 Data Package Options (please circle if required)
 TX TRRP-13 _____
 MA MCP _____ CT RCP _____
 Site-specific QC (MS/MSD/Dup)? Yes No
 Internal COC Required? Yes / No

9 Relinquished by: _____
 Relinquished by: _____
 Relinquished by: _____
 Relinquished by: _____

Date Time Received by:
 Date Time Received by:
 Date Time Received by:
 Date Time Received by:



Groundwater Sampling Form

Well No. MLD-133

Client: Cheriton Cincy
 Project: Northly SW Road
 Project No.: 506-07-012

Well Condition: Good
 Geologist: J. H. D. Bennett
 Date: 8-11-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 50.60
 Depth to Water: 42.46
 Depth to Product: NO
 Casing Diameter: 2"
 Water Column: 8.14
 Casing Volume (Water Column x Gallons per foot): 1.30
 Purge Volume (3 x Casing Volume): 3.90

Purge Information

Purge Start Time: 9:15
 Purge Method: Low Flow
 Flow Rate: 24 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 0925 | 3.0 | 6.96 | 842.1 | 17.77 | 0.15 | -96 | 624.1 |
| 930 | 5.0 | 6.97 | 843.3 | 18.53 | 0.12 | -107 | 313.9 |
| 935 | 6.75 | 6.97 | 850.4 | 18.85 | 0.15 | -106 | 116.9 |
| 940 | 7.50 | 6.97 | 853.5 | 18.96 | 0.15 | -108 | 48.9 |
| 945 | 8.50 | 6.98 | 851.8 | 18.98 | 0.14 | -113 | 27.1 |
| 950 | 9.50 | 6.99 | 847.8 | 18.66 | 0.13 | -117 | 15.7 |
| 955 | 10.5 | 7.00 | 846.1 | 18.56 | 0.13 | -118 | 14.6 |
| 1000 | 14.5 | 6.99 | 849.1 | 18.77 | 0.13 | -117 | 11.6 |
| 1005 | 12.5 | 6.97 | 849.5 | 18.75 | 0.14 | -120 | 8.7 |
| 1010 | 13.5 | 6.99 | 849.1 | 18.72 | 0.14 | -121 | 9.4 |
| 1015 | 14.5 | 6.99 | 850.3 | 18.75 | 0.14 | -121 | 8.8 |

Purge Finish Time: 10:15
 Total Volume Purged: 14.5
 Final Depth to Water: 42.46

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 10:15
 Analytical Suite Collected: 406 ~~NO~~ VOC's AS, Pb
 QAQC Samples Collected: FIELD ~~NO~~ BLANKS, 08/10/09 @ 9:50 AM

Notes: ASPHALT PLANT RUNNING, CLOUDY, OVERCAST, HIGH HUMIDITY



Groundwater Sampling Form

Sheet 1 of 2

Well No. MW-35

Client: Chevron
Project: Monthly SW Quad
Project No. 5001017-012

Well Condition: Good
Geologist: S. Hill D. Barrett
Date: 8-11-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 51.70
Depth to Water: 42.06
Depth to Product: ND
Casing Diameter: 8"
Water Column: 9.64
Casing Volume (Water Column x Gallons per foot): 1.54
Purge Volume (3 x Casing Volume): 4.63

Purge Information

Purge Start Time: 1030
Purge Method: Low Flow
Flow Rate: 0.27 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1040 | 5.06 | 6.99 | 953.1 | 20.13 | 0.58 | -85 | 146 |
| 1045 | 7.0 | 7.00 | 912.1 | 18.44 | 0.50 | -103 | 115.1 |
| 1050 | 8.25 | 6.95 | 938.4 | 19.57 | 0.32 | -116 | 95.3 |
| 1055 | 9.0 | 6.94 | 938.1 | 19.54 | 0.26 | -130 | 79.1 |
| 1100 | 10.0 | 6.94 | 937.6 | 19.50 | 0.26 | -137 | 50.3 |
| 1105 | 11.0 | 6.93 | 936.6 | 19.43 | 0.26 | -145 | 53.3 |
| 1110 | 12.5 | 6.92 | 942.0 | 19.67 | 0.15 | -153 | 36.4 |
| 1115 | 14.0 | 6.91 | 938.8 | 19.57 | 0.10 | -160 | 27.3 |
| 1120 | 15.5 | 6.92 | 939.2 | 19.58 | 0.06 | -168 | 18.9 |
| 1125 | 16.5 | 6.92 | 937.2 | 19.44 | 0.04 | -177 | 11.4 |

Purge Finish Time: 1145
Total Volume Purged: 20.9
Final Depth to Water: 42.06

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1145
Analytical Suite Collected: VOC's Diss As Pb
QAQC Samples Collected: None

Notes: Weather: Cloudy with some sun, Asphlt Pk + Raining



Groundwater Sampling Form

Well No. MW-35

Client: Chevron
Project: Monthly SMO
Project No. 500-417-012

Well Condition: Good
Geologist: Scott D. Bennett
Date: 8-11-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: _____
 Depth to Water: _____
 Depth to Product: _____
 Casing Diameter: _____
 Water Column: _____
 Casing Volume (Water Column x Gallons per foot): _____
 Purge Volume (3 x Casing Volume): _____

See Sheet 1 of 2

Purge Information

Purge Start Time: _____
 Purge Method: See Sheet 1 of 2
 Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|-------|----------------|------|-----------------------|-------------|------|------|-----------|
| 11:30 | 17.5 | 6.91 | 939.3 | 19.49 | 0.03 | -183 | 9.5 |
| 11:35 | 18.5 | 6.89 | 944.5 | 19.72 | 0.02 | -188 | 17.0 |
| 11:40 | 18.5 | 6.90 | 946.3 | 19.83 | 0.01 | -192 | 5.0 |
| 11:45 | 20.5 | 6.90 | 945.7 | 19.79 | 0.02 | -192 | 5.0 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: _____
 Total Volume Purged: _____
 Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: _____
 Sample Collection Time: 11:45
 Analytical Suite Collected: _____
 QAQC Samples Collected: _____

Notes: _____



Groundwater Sampling Form

Well No. MD-142

Client: Clare
 Project: Monthly SW Ground
 Project No. 500-017-012

Well Condition: Good
 Geologist: S. Hill, J. Reed
 Date: 8-12-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: ~~52.9~~ 52.90
 Depth to Water: 46.17
 Depth to Product: ND odor
 Casing Diameter: 2"
 Water Column: 6.73
 Casing Volume (Water Column x Gallons per foot): 6.08
 Purge Volume (3 x Casing Volume): 3.23

Purge Information

Purge Start Time: 1345
 Purge Method: Low Flow
 Flow Rate: .33 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1355 | 4.0 | 7.03 | 1028 | 18.61 | 0.25 | -152 | 6.2 |
| 1400 | 6.0 | 6.99 | 1020 | 18.31 | 0.21 | -158 | 2.8 |
| 1405 | 8.0 | 6.98 | 1014 | 18.07 | 0.25 | -160 | 2.1 |
| 1410 | 9.0 | 6.98 | 1017 | 18.23 | 0.31 | -160 | 1.8 |
| 1415 | 10.0 | 6.97 | 1024 | 18.31 | 0.31 | -159 | 1.7 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1415
 Total Volume Purged: 10.0
 Final Depth to Water: 46.17

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1415
 Analytical Suite Collected: VO's Pb/As
 QAQC Samples Collected: NONE

Notes: H. C. ODBL



Groundwater Sampling Form

Well No. M61-139

Client: Cheyenne
 Project: Monthly SW Quad
 Project No. 506-017-012

Well Condition: Good
 Geologist: J. Hill, D. Barrett
 Date: 8-22-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 50.0
 Depth to Water: 39.62
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 10.38
 Casing Volume (Water Column x Gallons per foot): 1.66
 Purge Volume (3 x Casing Volume): 4.98

Purge Information

Purge Start Time: 0950
 Purge Method: Low Flow
 Flow Rate: 0.47 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1000 | 12.0 | 7.11 | 853.9 | 17.77 | 0.12 | -176 | 1445.2 |
| 1005 | 14.0 | 7.06 | 854.0 | 17.77 | 0.22 | -177 | 110.2 |
| 1010 | 15.5 | 7.04 | 850.8 | 17.77 | 0.19 | -180 | 33.5 |
| 1015 | 17.0 | 7.03 | 850.2 | 17.80 | 0.17 | -183 | 12.1 |
| 1020 | 18.0 | 7.03 | 877.4 | 17.78 | 0.17 | -186 | 7.2 |
| 1025 | 19.0 | 7.00 | 875.9 | 17.71 | 0.13 | -187 | 4.7 |
| 1030 | 20.0 | 7.01 | 875.9 | 17.61 | 0.10 | -189 | 3.8 |
| 1035 | 21.0 | 7.01 | 873.7 | 17.84 | 0.09 | -190 | 3.3 |
| | | | | | | | |

Purge Finish Time: 1035
 Total Volume Purged: 21.0
 Final Depth to Water: 39.62

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1035
 Analytical Suite Collected: Vol Diss As Pb
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. MU-138

Client: Cherion
Project: SW Quad Monthly
Project No.: 500-817-202

Well Condition: Good
Geologist: J. Hall, D. Bennett
Date: 8-12-05

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 50.0
 Depth to Water: 39.82
 Depth to Product: NO
 Casing Diameter: 2"
 Water Column: 10.18
 Casing Volume (Water Column x Gallons per foot): 1.63
 Purge Volume (3 x Casing Volume): 4.89

Purge Information

Purge Start Time: 0850
 Purge Method: Low Flow
 Flow Rate: .42 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 900 | 11.0 | 6.98 | 928.4 | 17.92 | 0.16 | -168 | 493.0 |
| 905 | 12.0 | 6.95 | 930.7 | 18.21 | 0.19 | -160 | 138.2 |
| 910 | 13.0 | 6.94 | 906.9 | 17.92 | 0.17 | -167 | 36.5 |
| 915 | 14.0 | 6.94 | 904.5 | 17.64 | 0.10 | -185 | 14.9 |
| 920 | 15.5 | 6.93 | 902.2 | 17.64 | 0.09 | -193 | 9.3 |
| 925 | 17.0 | 6.94 | 900.7 | 17.65 | 0.09 | -201 | 7.3 |
| 930 | 18.25 | 6.94 | 900.2 | 17.67 | 0.10 | -207 | 5.0 |
| 935 | 19.75 | 6.95 | 896.7 | 17.41 | 0.11 | -213 | 3.5 |
| 940 | 21.25 | 6.95 | 896.5 | 17.61 | 0.11 | -215 | 3.6 |

Purge Finish Time: 940
 Total Volume Purged: 21.25
 Final Depth to Water: 39.82

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 940
 Analytical Suite Collected: VOC's 16/13
 QAQC Samples Collected: NONE

Notes: _____



For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 216212

Please print. Instructions on reverse side correspond with circled numbers.

1 Client: CHEVON Acct. #: 11494

Project Name: MONTHLY SOUTHWEST QUAD PWSID # 31120317300410

Project Manager: DAVE LAM P.O.#: _____

Sampler: DAVE BARST + IRON HALL Quote #: 0410

Name of state where samples were collected: _____

5 Analyses Requested

| Preservation Codes | | | | | | | | | |
|----------------------------------|--|--|--|--|--|--|--|--|--|
| T=Thiosulfate | | | | | | | | | |
| H=HCl | | | | | | | | | |
| N=HNO ₃ | | | | | | | | | |
| S=H ₂ SO ₄ | | | | | | | | | |
| B=NaOH | | | | | | | | | |
| O=Other | | | | | | | | | |

4 Matrix

| Total # of Containers | Soil | Water | Other |
|-----------------------|-------------------------------------|-------------------------------------|--------------------------|
| 3 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

3 Grab

| Sample Identification | Date Collected | Time Collected | Composite |
|-----------------------|----------------|----------------|-------------------------------------|
| FIELD Blank 081109 | 8-11-09 | 0950 | <input checked="" type="checkbox"/> |
| MW-133, 081109 | 8-11-09 | 1015 | <input checked="" type="checkbox"/> |
| MW-35, 081109 | 8-11-09 | 1145 | <input checked="" type="checkbox"/> |
| MW-138, 081209 | 8-12-09 | 0940 | <input checked="" type="checkbox"/> |
| MW-139, 081209 | 8-12-09 | 1035 | <input checked="" type="checkbox"/> |
| MW-142, 081209 | 8-12-09 | 1415 | <input checked="" type="checkbox"/> |
| TRIP Blank, 081209 | 8-12-09 | 1445 | <input checked="" type="checkbox"/> |

6

For Lab Use Only
FSC: _____
SCR#: _____

Preservation Codes
H=HCl T=Thiosulfate
N=HNO₃ B=NaOH
S=H₂SO₄ O=Other

Remarks: SEE ATTACHED ANALYTE LIST

Temperature of samples upon receipt (if requested) _____

7 Turnaround Time Requested (TAT) (please circle): Normal Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed: ASAP

Rush results requested by (please circle): Phone _____ Fax _____ E-mail _____

Phone #: 513-353-1323 Fax #: 513-353-4664

E-mail address: AMITK@LANLAB.COM

8 Data Package Options (please circle if required)

| | | |
|----------------------------|--------------------------------|---------------|
| Type I (validation/NJ Reg) | TX TRRP-13 | SDG Complete? |
| Type II (Tier II) | MA MCP | Yes No |
| Type III (Reduced NJ) | CT RCP | |
| Type IV (CLP SOW) | Site-specific QC (MS/MSD/Dup)? | Yes No |
| Type VI (Raw Data Only) | Internal COC Required? | Yes / No |

(If yes, indicate QC sample and submit replicate volume.)

| Date | Time | Received by: | Date | Time | Received by: |
|------|------|--------------|------|------|--------------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

2102.03



Groundwater Sampling Form

Well No. MW 35

Client: CHEVRON

Well Condition: GOOD

Project: MONTHLY SOUTHWEST QUAD

Geologist: DALE BARRETT

Project No. 500-017-012

Date: 9-14-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 51.62

Depth to Water: 43.8

Depth to Product: ND

Casing Diameter: 2"

Water Column: 7.82

Casing Volume (Water Column x Gallons per foot): 1.25

Purge Volume (3 x Casing Volume): 3.75

Purge Information

Purge Start Time: 1055

Purge Method: LOW FLOW

Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1105 | 5.0 | 7.19 | 891 | 17.86 | 0.49 | -211 | 208.9 |
| 1110 | 6.75 | 7.12 | 891.8 | 17.94 | 0.37 | -218 | 149.8 |
| 1115 | 8.50 | 7.07 | 906.7 | 18.68 | 0.45 | -194 | 102.5 |
| 1120 | 9.5 | 7.05 | 905.1 | 18.58 | 0.68 | -203 | 128.0 |
| 1125 | 10.5 | 7.04 | 909.6 | 18.80 | 0.58 | -204 | 72.1 |
| 1130 | 11.5 | 7.01 | 917.1 | 19.16 | 0.53 | -204 | 34.7 |
| 1135 | 13.0 | 7.02 | 919.6 | 19.37 | 0.47 | -210 | 24.5 |
| 1140 | 14.0 | 7.00 | 927.8 | 19.76 | 0.46 | -213 | 16.2 |
| 1145 | 15.0 | 7.00 | 930.2 | 19.85 | 0.42 | -217 | 13.7 |
| 1150 | 16.0 | 7.00 | 929.5 | 19.80 | 0.39 | -222 | 13.6 |
| 1155 | 17.0 | 7.00 | 931.0 | 19.83 | 0.38 | -226 | 13.0 |

Purge Finish Time: 1155

Total Volume Purged: 17.0

Final Depth to Water: 43.8

Sampling Information

Wellhead Gas Measurements: NONE

Sample Collection Time: 1155

Analytical Suite Collected: COE

QAQC Samples Collected: NONE

Notes: Sunny 70° F



Groundwater Sampling Form

Well No. MW-133

Client: CHEVRON
Project: MONTHLY SOUTHWEST O&G
Project No. 500-017-012

Well Condition: GOOD
Geologist: DALE BARRETT
Date: 9-14-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 50.55
 Depth to Water: 44.03
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 6.52
 Casing Volume (Water Column x Gallons per foot): 1.04
 Purge Volume (3 x Casing Volume): 3.12

Purge Information

Purge Start Time: 0930
 Purge Method: LOW FLOW
 Flow Rate: .45 L/MIN

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 0940 | 8.5 | 7.11 | 834 | 16.93 | 0.56 | -97 | 15.4 |
| 0945 | 10.5 | 7.08 | 852 | 17.74 | 0.67 | -107 | 264.5 |
| 0950 | 12.0 | 7.07 | 855.2 | 17.91 | 0.55 | -119 | 79.7 |
| 0955 | 14.0 | 7.07 | 857 | 17.99 | 0.52 | -122 | 30.4 |
| 1000 | 16.0 | 7.07 | 858.3 | 18.05 | 0.52 | -131 | 17.7 |
| 1005 | 17.75 | 7.07 | 858.6 | 18.10 | 0.50 | -137 | 12.5 |
| 1010 | 19.75 | 7.07 | 859.7 | 18.10 | 0.52 | -140 | 9.4 |
| 1015 | 21.75 | 7.07 | 860.3 | 18.18 | 0.44 | -143 | 5.6 |
| 1020 | 23.0 | 7.07 | 861.3 | 18.23 | 0.43 | -145 | 5.0 |
| 1025 | 24.75 | 7.07 | 862.1 | 18.25 | 0.44 | -146 | 4.4 |

Purge Finish Time: 1025
 Total Volume Purged: 24.75
 Final Depth to Water: 44.04

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1025
 Analytical Suite Collected: COC
 QAQC Samples Collected: NONE

Notes: SUNNY 70°F



Groundwater Sampling Form

Well No. MW 142

Client: CHEVRON
Project: MONTHLY SOUTHWEST QUAD
Project No.: 500-017-012

Well Condition: GOOD
Geologist: DALE BARRETT
Date: 9-15-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 53.9
 Depth to Water: 48.35
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 5.55
 Casing Volume (Water Column x Gallons per foot): .88
 Purge Volume (3 x Casing Volume): 2.67

Purge Information

Purge Start Time: 1515
 Purge Method: Low Flow
 Flow Rate: .34 L/MIN

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1525 | 7.0 | 7.02 | 1002 | 19.24 | 0.56 | -255 | 15.7 |
| 1530 | 8.0 | 6.97 | 1013 | 19.70 | 0.51 | -255 | 7.4 |
| 1535 | 9.0 | 6.95 | 1009 | 19.42 | 0.44 | -256 | 6.0 |
| 1540 | 10.0 | 6.84 | 1006 | 19.35 | 0.36 | -257 | 5.5 |
| 1545 | 11.0 | 6.93 | 1001 | 19.65 | 0.30 | -258 | 4.5 |
| 1550 | 12.0 | 6.92 | 1002 | 19.23 | 0.11 | -258 | 2.6 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1550
 Total Volume Purged: 12.0
 Final Depth to Water: 48.35

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1550
 Analytical Suite Collected: COC
 QAQC Samples Collected: None

Notes: Sunny 75° H.C. Odor



Groundwater Sampling Form

Well No. MW-139

Client: CHEVRON
Project: MONTHLY SOUTHWEST QUAD
Project No.: 500-017-012

Well Condition: GOOD
Geologist: DALE BARNETT
Date: 9-15-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 49.95
 Depth to Water: 41.67
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 8.28
 Casing Volume (Water Column x Gallons per foot): 1.32
 Purge Volume (3 x Casing Volume): 3.97

Purge Information

Purge Start Time: 1355
 Purge Method: LOW FLOW
 Flow Rate: .29 L/MIN

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1405 | 6.5 | 7.22 | 870.4 | 19.14 | 0.39 | -288 | 618.7 |
| 1410 | 7.5 | 7.15 | 870.1 | 19.32 | 0.38 | -287 | 137.5 |
| 1415 | 8.5 | 7.12 | 869.5 | 19.31 | 0.37 | -288 | 58.0 |
| 1420 | 9.5 | 7.09 | 867.5 | 19.25 | 0.32 | -290 | 26.9 |
| 1425 | 10.5 | 7.08 | 866.5 | 19.12 | 0.30 | -292 | 12.9 |
| 1430 | 11.5 | 7.08 | 861.4 | 18.81 | 0.28 | -294 | 8.7 |
| 1435 | 12.5 | 7.06 | 869.2 | 19.30 | 0.26 | -295 | 5.9 |
| 1440 | 13.5 | 7.06 | 871.3 | 19.26 | 0.25 | -296 | 4.9 |
| 1445 | 14.5 | 7.05 | 872.2 | 19.26 | 0.24 | -297 | 3.7 |

Purge Finish Time: 1445
 Total Volume Purged: 14.5
 Final Depth to Water: 41.67

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1445
 Analytical Suite Collected: CO2
 QAQC Samples Collected: NONE

Notes: 75° Sunny



Groundwater Sampling Form

Well No. MW-138

Client: CHEVRON
Project: MONTHLY SOUTHWEST QUAD
Project No.: 500-017-012

Well Condition: GOOD
Geologist: DALE BARRETT
Date: 9-15-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 49.83
 Depth to Water: 41.71
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 8.22
 Casing Volume (Water Column x Gallons per foot): 1.32
 Purge Volume (3 x Casing Volume): 3.95

Purge Information

Purge Start Time: 1225
 Purge Method: Low Flow
 Flow Rate: .45 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1235 | 9.0 | 7.07 | 876.1 | 18.10 | 0.65 | -181 | 588.9 |
| 1240 | 10.5 | 6.95 | 882.1 | 18.49 | 0.46 | -205 | 194.2 |
| 1245 | 12.0 | 6.92 | 882.5 | 18.45 | 0.37 | -217 | 91.5 |
| 1250 | 13.5 | 6.90 | 880.2 | 18.30 | 0.30 | -227 | 50.1 |
| 1255 | 15.0 | 6.90 | 876.4 | 18.11 | 0.26 | -232 | 28.1 |
| 1300 | 17.5 | 6.90 | 874.0 | 17.92 | 0.22 | -236 | 16.3 |
| 1305 | 19.0 | 6.90 | 876.6 | 18.05 | 0.22 | -236 | 9.4 |
| 1310 | 21.0 | 6.91 | 880.6 | 18.19 | 0.20 | -239 | 8.9 |
| 1315 | 23.0 | 6.90 | 885.0 | 18.43 | 0.19 | -241 | 5.5 |
| 1320 | 25.0 | 6.90 | 888.4 | 18.56 | 0.19 | -243 | 5.9 |
| 1325 | 27.0 | 6.90 | 887.3 | 18.52 | 0.18 | -243 | 5.9 |

Purge Finish Time: 1325
 Total Volume Purged: 27.0
 Final Depth to Water: 41.71

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1325
 Analytical Suite Collected: COC
 QAQC Samples Collected: NONE

Notes: Sunny 75° MARKUS WATCHING

Analysis Request / Environmental Services Chain of Custody



For Lancaster Laboratories use only

Acct. # _____

Group# _____

Sample # _____

COC # 216248

Please print. Instructions on reverse side correspond with circled numbers.

| 1 Client: <u>CHEVON</u> Acct. #: <u>11494</u> Project Name: <u>MONTHLY SOUTHWEST QUAD</u> PWSID # <u>HW04010000120</u> Project Manager: <u>DOUG LAM</u> P.O.#: _____ Sampler: <u>DALE BARBET</u> Quote #: <u>0410</u> Name of state where samples were collected: <u>OHIO</u> | | 3 | | 4 | | | 5 | | | | 6 | | | |
|---|---------|-----------------------|----------------|----------------|------|-----------|------|-------|-------|--|--------|--------------------|--------------------|--------------|
| | | Sample Identification | Date Collected | Time Collected | Grab | Composite | Soil | Water | Other | Total # of Containers | Matrix | Analyses Requested | Preservation Codes | Remarks |
| MW-133, 091409 | 9-14-09 | 1025 | X | | | X | | | 4 | <input checked="" type="checkbox"/> Potable <input type="checkbox"/> NPDES Applicable | | | X | SEE ATTACHED |
| MW-35, 091409 | 9-14-09 | 1155 | X | | | X | | | 4 | | | | X | ANALYTE LIST |
| MW-138, 091509 | 9-15-09 | 1325 | X | | | X | | | 4 | | | | X | COC SUMMARY |
| MW-139, 091509 | 9-15-09 | 1445 | X | | | X | | | 4 | | | | X | DATA PACKAGE |
| MW-142, 091509 | 9-15-09 | 1550 | X | | | X | | | 4 | | | | X | |
| TRP BLANK, 091609 | 9-16-09 | 1500 | X | | | X | | | 2 | | | | X | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

| 7 Turnaround Time Requested (TAT) (please circle): Normal (Rush) (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) Date results are needed: <u>ASAP</u> | | Date | Time | Received by: | Date | Time |
|---|--|------|------|--------------------|----------------|-------------|
| Rush results requested by (please circle): _____ Phone _____ Fax _____ Phone #: <u>513 353 1323</u> Fax #: <u>513 353 4664</u> | | | | <u>Dale Barbet</u> | <u>9/16/09</u> | <u>1530</u> |
| E-mail address: <u>MITCHHELL@LHLABS.COM</u> | | | | | | |

| 8 Data Package Options (please circle if required) | | SDG Complete? | |
|--|---|---------------|----|
| Type I (Validation/NJ Reg) | <input type="checkbox"/> TX TRRP-13 | Yes | No |
| Type II (Tier II) | <input type="checkbox"/> MA MCP <input type="checkbox"/> CT RCP | | |
| Type III (Reduced NJ) | Site-specific QC (MS/MSD/Dup)? | Yes | No |
| Type IV (CLP SOW) | (If yes, indicate QC sample and submit triplicate volume) | | |
| Type VI (Raw Data Only) | Internal COC Required? | Yes | No |



Groundwater Sampling Form

Well No. MU-135T

Client: Chevron
 Project: Barrow Well September 2009
 Project No.: SCW-017-012

Well Condition: Good
 Geologist: J.H.H.
 Date: 9-17-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 38.45
 Depth to Water: 10.76
 Depth to Product: N/D
 Casing Diameter: 8"
 Water Column: 27.69
 Casing Volume (Water Column x Gallons per foot): 4.43
 Purge Volume (3 x Casing Volume): 13.3

Purge Information

Purge Start Time: 1115
 Purge Method: Low Flow
 Flow Rate: 0.146/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1125 | 2.5 | 7.29 | 689.9 | 21.37 | 0.23 | -229 | 205.1 |
| 1130 | 3.5 | 7.32 | 685.9 | 21.59 | 0.25 | -233 | 105.2 |
| 1135 | 4.3 | 7.33 | 681.9 | 21.52 | 0.21 | -236 | 55.9 |
| 1140 | 5.5 | 7.35 | 673.6 | 21.12 | 0.19 | -242 | 18.9 |
| 1145 | 6.5 | 7.36 | 672.5 | 21.14 | 0.17 | -245 | 12.1 |
| 1150 | 7.8 | 7.37 | 673.4 | 21.18 | 0.16 | -247 | 5.9 |
| 1155 | 9.9 | 7.37 | 675.1 | 21.31 | 0.15 | -249 | 4.1 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1155
 Total Volume Purged: 9.9
 Final Depth to Water: 10.76

Sampling Information

Wellhead Gas Measurements: NA
 Sample Collection Time: ~~11:03, Diss As Pb~~ 11:55
 Analytical Suite Collected: Ux's, Diss As Pb
 QAQC Samples Collected: NONE

Notes: _____



Groundwater Sampling Form

Well No. RYW-15

Client: Chevron
 Project: Barr. on Well September 2009
 Project No. 500-017-012

Well Condition: Good
 Geologist: S.H.U.
 Date: 9-17-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 51.0
 Depth to Water: 12.43
 Depth to Product: ND
 Casing Diameter: 8"
 Water Column: 38.57
 Casing Volume (Water Column x Gallons per foot): 6.17
 Purge Volume (3 x Casing Volume): 18.5

Purge Information

Purge Start Time: 1408
 Purge Method: Low Flow
 Flow Rate: 0.246/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|--------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1415 | 3.0 | 7.40 | 768.6 | 25.06 | 0.17 | -253 | 0.5 |
| * 1420 | 4.0 | 7.46 | 755.6 | 24.19 | 0.52 | -243 | 0.4 |
| * 1425 | 4.3 | 7.52 | 753.9 | 24.12 | 1.89 | -215 | 0.4 |
| 1435 | 7.0 | 7.53 | 761.5 | 24.55 | 0.09 | -265 | 0.4 |
| 1440 | 8.0 | 7.45 | 779.9 | 25.73 | 0.10 | -261 | 0.4 |
| 1445 | 9.2 | 7.43 | 782.2 | 25.84 | 0.11 | -258 | 0.4 |
| 1450 | 10.0 | 7.48 | 783.1 | 25.83 | 0.10 | -261 | 0.4 |
| 1455 | 11.0 | 7.50 | 783.9 | 25.85 | 0.18 | -262 | 0.3 |
| 1500 | 12.0 | 7.50 | 783.7 | 25.85 | 0.18 | -262 | 0.4 |

Purge Finish Time: 1500
 Total Volume Purged: 12.0
 Final Depth to Water: 12.43

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1500
 Analytical Suite Collected: UCL Diss As Pb
 QAQC Samples Collected: None

Notes: * Purge Stopped.



Groundwater Sampling Form

Well No. MW-135D

Client: Chewon
 Project: Barrio D-11 September 2009
 Project No. 500-017-012

Well Condition: Good
 Geologist: JH/11
 Date: 9-17-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 52.45
 Depth to Water: 10.59
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 41.86
 Casing Volume (Water Column x Gallons per foot): 6.7
 Purge Volume (3 x Casing Volume): 20.1

Purge Information

Purge Start Time: 1305
 Purge Method: Low Flow
 Flow Rate: 0.2 G/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------------------|----------------|-------------|-----------------------|--------------|-------------|-------------|-------------|
| <u>1305/1315</u> | <u>3.5</u> | <u>7.58</u> | <u>804.1</u> | <u>21.82</u> | <u>0.32</u> | <u>-228</u> | <u>32.8</u> |
| <u>1320</u> | <u>4.5</u> | <u>7.55</u> | <u>804.7</u> | <u>21.90</u> | <u>0.31</u> | <u>-227</u> | <u>19.0</u> |
| <u>1325</u> | <u>5.6</u> | <u>7.54</u> | <u>801.3</u> | <u>21.74</u> | <u>0.28</u> | <u>-228</u> | <u>13.3</u> |
| <u>1330</u> | <u>6.5</u> | <u>7.54</u> | <u>796.9</u> | <u>21.62</u> | <u>0.27</u> | <u>-229</u> | <u>9.3</u> |
| <u>1335</u> | <u>7.0</u> | <u>7.52</u> | <u>797.3</u> | <u>21.67</u> | <u>0.25</u> | <u>-230</u> | <u>7.0</u> |
| <u>1340</u> | <u>8.0</u> | <u>7.52</u> | <u>796.9</u> | <u>21.73</u> | <u>0.22</u> | <u>-231</u> | <u>5.3</u> |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: None
 Total Volume Purged: 8.0
 Final Depth to Water: 10.59

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1340
 Analytical Suite Collected: VOC's D-s-Hs-Pb
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. AW-1355

Client: Chevron
Project: Barrick Hill September 2009
Project No. 500-017-012

Well Condition: Good
Geologist: J.H. 11
Date: 9-17-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 16.04
Depth to Water: 10.85
Depth to Product: ND
Casing Diameter: 2"
Water Column: 5.19
Casing Volume (Water Column x Gallons per foot): 6.83
Purge Volume (3 x Casing Volume): 2.5

Purge Information

Purge Start Time: 10:30
Purge Method: Low Flow
Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|-------|----------------|------|-----------------------|-------------|------|------|-----------|
| 10:40 | 3.0 | 7.0 | 805.3 | 21.12 | 0.36 | -223 | 149.1 |
| 10:45 | 4.0 | 6.97 | 816.2 | 21.14 | 0.28 | -228 | 57.3 |
| 10:50 | 4.9 | 6.96 | 813.1 | 21.15 | 0.16 | -233 | 24.6 |
| 10:55 | 6.0 | 6.97 | 810.2 | 21.26 | 0.13 | -237 | 11.7 |
| 11:00 | 7.0 | 6.97 | 806.4 | 21.17 | 0.11 | -240 | 6.4 |
| 11:05 | 8.0 | 6.97 | 803.6 | 21.28 | 0.10 | -243 | 5.0 |
| 11:10 | 8.9 | 6.98 | 800.8 | 21.36 | 0.13 | -243 | 4.4 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 11:10
Total Volume Purged: 8.9
Final Depth to Water: 10.85

Sampling Information

Wellhead Gas Measurements: NA
Sample Collection Time: 11:10
Analytical Suite Collected: VOX's NO, O₂, As, Pb
QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. RAM-10

Client: Chevron
 Project: Banner Well Spence 2008
 Project No. 500-017-012

Well Condition: Good
 Geologist: S.H.H.
 Date: 9-18-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 50.1
 Depth to Water: 7.75
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 42.35
 Casing Volume (Water Column x Gallons per foot): 6.8
 Purge Volume (3 x Casing Volume): 20.3

Purge Information

Purge Start Time: 1413
 Purge Method: Low Flow
 Flow Rate: 0.22 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1420 | 2.5 | 7.81 | 731.7 | 23.59 | 0.24 | -132 | 39.2 |
| 1425 | 3.5 | 7.66 | 735.1 | 23.87 | 0.18 | -143 | 53.2 |
| 1430 | 4.5 | 7.55 | 736.9 | 24.07 | 3.68 | -155 | 24.9 |
| 1435 | 5.7 | 7.52 | 739.0 | 24.23 | 5.79 | -156 | 21.1 |
| 1440 | 7.0 | 7.46 | 743.2 | 24.214 | 5.70 | -159 | 15.1 |
| 1445 | 8.0 | 7.46 | 736.9 | 24.03 | 9.45 | -117 | 7.6 |
| 1450 | 9.0 | 7.46 | 737.1 | 23.94 | 6.50 | -165 | 7.3 |
| 1455 | 10.0 | 7.46 | 738.4 | 23.93 | 5.95 | -164 | 6.1 |
| 1500 | 11.3 | 7.46 | 738.3 | 23.87 | 5.88 | -164 | 5.2 |

Purge Finish Time: 1500
 Total Volume Purged: 11.3
 Final Depth to Water: 7.75

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1500
 Analytical Suite Collected: UOC DCS ASP6
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. RAM-12

Client: Chloron

Well Condition: Good

Project: Barrier Well Sept 2008

Geologist: J. Hall

Project No. 500-017012

Date: 9-18-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 500

Depth to Water: 824

Depth to Product: ND

Casing Diameter: 2"

Water Column: 476

Casing Volume (Water Column x Gallons per foot): 668

Purge Volume (3 x Casing Volume): 20.04

Purge Information

Purge Start Time: 12:30 PM

Purge Method: Low Flow

Flow Rate: 0.36 GPM

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1235 | 6.0 | 7.21 | 739.3 | 24.49 | 0.16 | -94 | 0.3 |
| 1240 | 7.0 | 7.18 | 766.9 | 26.00 | 0.19 | -100 | 0.3 |
| 1245 | 8.1 | 7.18 | 764.7 | 25.98 | 0.27 | -105 | 0.2 |
| 1250 | 9.0 | 7.18 | 768.7 | 26.01 | 0.26 | -106 | 0.2 |
| | | | | | | | |
| | | | | | | | |
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| | | | | | | | |

Purge Finish Time: 1250

Total Volume Purged: 9.0

Final Depth to Water: 825

Sampling Information

Wellhead Gas Measurements: NA

Sample Collection Time: 1250

Analytical Suite Collected: VOCs, Diss. As, Pb

QA/QC Samples Collected: MS/MSD

Notes: _____



Groundwater Sampling Form

Well No. BMW-2E

Client: Chevron
 Project: Barrier Well September 2009
 Project No.: 500-617-012

Well Condition: Good
 Geologist: J.H.H.
 Date: 9-21-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 490
 Depth to Water: 8.84
 Depth to Product: ND
 Casing Diameter: 8"
 Water Column: 40.16
 Casing Volume (Water Column x Gallons per foot): 1.43
 Purge Volume (3 x Casing Volume): 19.28

Purge Information

Purge Start Time: 0830
 Purge Method: Low Flow
 Flow Rate: 0.25 GPM

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 0835 | 2.0 | 7.45 | 734.6 | 22.89 | 0.26 | -150 | 1.0 |
| 0840 | 3.0 | 7.46 | 733.7 | 22.84 | 0.31 | -152 | 0.8 |
| 0845 | 4.0 | 7.48 | 733.2 | 22.81 | 0.34 | -152 | 0.6 |
| 0850 | 5.0 | 7.48 | 733.8 | 22.85 | 0.37 | -152 | 0.9 |
| | | | | | | | |
| | | | | | | | |
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| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 0850
 Total Volume Purged: 5.0
 Final Depth to Water: 8.84

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 0850
 Analytical Suite Collected: VOC D-SS/As/Pb
 QA/QC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. RMJ-20

Client: Chuvon
 Project: Berrow Well September 2009
 Project No. 500-017-012

Well Condition: Good
 Geologist: S. Hall
 Date: 9-21-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 49.75
 Depth to Water: 9.05
 Depth to Product: ND
 Casing Diameter: 8"
 Water Column: 40.7
 Casing Volume (Water Column x Gallons per foot): 6.5
 Purge Volume (3 x Casing Volume): 19.5

Purge Information

Purge Start Time: 0750
 Purge Method: Low Flow
 Flow Rate: 0.2 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 0805 | 2.0 | 7.48 | 710.1 | 22.83 | 0.58 | -110 | 28.4 |
| 0810 | 3.0 | 7.44 | 711.2 | 23.06 | 0.35 | -125 | 10.0 |
| 0815 | 4.5 | 7.41 | 711.9 | 23.21 | 0.24 | -133 | 2.9 |
| 0820 | 5.75 | 7.40 | 712.5 | 23.26 | 0.21 | -137 | 1.6 |
| 0825 | 7.0 | 7.40 | 712.8 | 23.25 | 0.19 | -138 | 0.6 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 0825
 Total Volume Purged: 7.0
 Final Depth to Water: 9.05

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 0825
 Analytical Suite Collected: UOL DissAsPb
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. RMW-25

Client: Chevron
 Project: SOB. rev. 4.11 Sep. 2009
 Project No.: 500-017-012

Well Condition: Good
 Geologist: J.H.G.
 Date: 9-21-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 52.80
 Depth to Water: 13.51
 Depth to Product: ND
 Casing Diameter: 8"
 Water Column: 39.29
 Casing Volume (Water Column x Gallons per foot): 6.28
 Purge Volume (3 x Casing Volume): 18.90

Purge Information

Purge Start Time: 0945
 Purge Method: Low Flow
 Flow Rate: 0.276/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 0950 | 2.5 | 7.56 | 758.2 | 22.97 | 0.38 | -149 | 2.2 |
| 0955 | 3.5 | 7.56 | 758.5 | 23.00 | 0.41 | -153 | 0.7 |
| 1000 | 4.5 | 7.56 | 758.8 | 23.02 | 0.37 | -157 | 0.4 |
| 1005 | 5.5 | 7.56 | 759.1 | 23.03 | 0.35 | -158 | 0.4 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1005
 Total Volume Purged: 5.5
 Final Depth to Water: 13.51

Sampling Information

Wellhead Gas Measurements: WA
 Sample Collection Time: 1005
 Analytical Suite Collected: VOL Dissolved
 QAQC Samples Collected: None

Notes: _____





Groundwater Sampling Form

Well No. MW-136D

Client: Cherone
 Project: Barrier Wall Sep. 2009
 Project No. 500-617-012

Well Condition: Good
 Geologist: J.H.H.
 Date: 8-21-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 53.10
 Depth to Water: 14.44
 Depth to Product: ND
 Casing Diameter: 8"
 Water Column: 38.66
 Casing Volume (Water Column x Gallons per foot): 6.19
 Purge Volume (3 x Casing Volume): 18.6

Purge Information

Purge Start Time: 1000
 Purge Method: Low Flow
 Flow Rate: 0.26/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1030 | 2.0 | 7.56 | 715.6 | 22.32 | 0.80 | -125 | 17.0 |
| 1035 | 3.0 | 7.52 | 718.1 | 22.46 | 0.61 | -131 | 4.9 |
| 1040 | 4.0 | 7.51 | 718.1 | 22.46 | 0.54 | -133 | 2.8 |
| 1045 | 5.0 | 7.50 | 719.6 | 22.56 | 0.47 | -136 | 1.8 |
| 1050 | 6.0 | 7.50 | 720.1 | 22.59 | 0.42 | -137 | 1.3 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1050
 Total Volume Purged: 6.0
 Final Depth to Water: 14.45

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1050
 Analytical Suite Collected: VOC D. & S. P. A. S.
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. MW-136T

Client: Chevron
 Project: Besmer Well September 2009
 Project No.: 500-017-012

Well Condition: Good
 Geologist: J. Hill
 Date: 9-21-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 35.90
 Depth to Water: 14.68
 Depth to Product: NO
 Casing Diameter: 2"
 Water Column: 21.22
 Casing Volume (Water Column x Gallons per foot): 3.4
 Purge Volume (3 x Casing Volume): 10.18

Purge Information

Purge Start Time: 1305
 Purge Method: Loss Flow
 Flow Rate: 0.246 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1310 | 3.0 | 7.60 | 719.0 | 23.94 | 0.51 | -112 | 356.8 |
| 1315 | 4.0 | 7.53 | 705.8 | 23.12 | 0.25 | -129 | 273.9 |
| 1325 | 6.0 | 7.51 | 708.1 | 23.23 | 0.33 | -135 | 65.1 |
| 1330 | 7.0 | 7.50 | 707.1 | 23.31 | 0.20 | -139 | 29.0 |
| 1335 | 8.0 | 7.48 | 712.2 | 23.48 | 0.29 | -143 | 14.2 |
| 1340 | 9.0 | 7.47 | 714.6 | 23.65 | 0.28 | -145 | 8.3 |
| 1345 | 10.0 | 7.47 | 715.0 | 23.68 | 0.26 | -147 | 5.5 |
| 1350 | 11.0 | 7.47 | 714.9 | 23.62 | 0.26 | -147 | 5.1 |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1350
 Total Volume Purged: 11.0
 Final Depth to Water: 14.67

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1350
 Analytical Suite Collected: UIC D.S.S. ASP6
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. MW-137 D

Client: Chevron
Project: Barrier 4-11 Sep 2008
Project No. 500-017-012

Well Condition: Good
Geologist: S.H.11
Date: 9-22-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 52.60
 Depth to Water: 14.27
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 38.33
 Casing Volume (Water Column x Gallons per foot): 6.13
 Purge Volume (3 x Casing Volume): 18.4

Purge Information

Purge Start Time: 1215
 Purge Method: Low-Flow
 Flow Rate: 0.25 ml/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|--------|------|-----------|
| 1225 | 2.5 | 7.55 | 661.7 | 18.94 | 6.83 | -181 | 353.4 |
| 1235 | 4.5 | 7.50 | 706.3 | 21.57 | 10.25 | -168 | 584.2 |
| 1240 | 5.5 | 7.52 | 670.6 | 19.47 | 10.98 | -193 | 63.6 |
| 1245 | 6.0 | 7.49 | 691.7 | 20.75 | 9.16 | -187 | 105.9 |
| 1250 | 7.25 | 7.48 | 700.6 | 21.28 | 12.47 | -183 | 70.5 |
| 1255 | 8.5 | 7.48 | 692.8 | 20.79 | 20.77* | -187 | 39.6 |
| 1300 | 9.5 | 7.47 | 693.8 | 20.78 | 7.99 | -193 | 15.1 |
| 1305 | 10.5 | 7.48 | 684.7 | 20.23 | 8.87 | -196 | 10.6 |
| 1310 | 11.5 | 7.47 | 693.7 | 20.82 | 6.95 | -197 | 5.7 |
| 1315 | 12.5 | 7.47 | 692.9 | 20.83 | 6.55 | -197 | 4.2 |

Purge Finish Time: 1315
 Total Volume Purged: 12.5
 Final Depth to Water: 14.27

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1315
 Analytical Suite Collected: UOL, DIS, P6, etc.
 QAQC Samples Collected: BD-2, 092209

Notes: _____



Groundwater Sampling Form

Well No. BMU-35

Client: Chiron
 Project: Berriswell 11 Sep. 2008
 Project No. 500-017-012

Well Condition: Good
 Geologist: J.H. 11
 Date: 9-22-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 52.90
 Depth to Water: 13.62
 Depth to Product: ND
 Casing Diameter: 8"
 Water Column: 39.28
 Casing Volume (Water Column x Gallons per foot): 6.28
 Purge Volume (3 x Casing Volume): 18.8

Purge Information

Purge Start Time: 1015
 Purge Method: Low flow
 Flow Rate: 0.24 gal/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1020 | 2.25 | 7.50 | 679.8 | 21.19 | 0.19 | -159 | 274.8 |
| 1025 | 3.25 | 7.48 | 695.4 | 21.78 | 0.15 | -168 | 455.6 |
| 1030 | 4.0 | 7.48 | 697.1 | 21.92 | 0.18 | -165 | 262.8 |
| 1035 | 5.0 | 7.47 | 698.7 | 22.15 | 0.45 | -161 | 95.4 |
| 1040 | 6.0 | 7.47 | 700.2 | 22.30 | 0.40 | -160 | 49.2 |
| 1045 | 7.0 | 7.46 | 701.4 | 22.39 | 0.35 | -161 | 26.0 |
| 1050 | 8.0 | 7.45 | 704.1 | 22.58 | 0.35 | -163 | 17.3 |
| 1055 | 9.0 | 7.45 | 701.6 | 22.44 | 0.31 | -165 | 12.2 |
| 1100 | 10.0 | 7.45 | 701.0 | 22.41 | 0.28 | -166 | 9.8 |
| 1105 | 11.0 | 7.45 | 701.4 | 22.43 | 0.28 | -165 | 9.0 |

Purge Finish Time: 1105
 Total Volume Purged: 11.0
 Final Depth to Water: 13.62

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1105
 Analytical Suite Collected: VOC Dross Pb As
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. BMW-81

Client: Chevron
 Project: Barrow Well September 2009
 Project No.: SGO-017-012

Well Condition: Good (RHS)
 Geologist: J.H.11
 Date: 9-22-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 49.15
 Depth to Water: 9.51
 Depth to Product: NO
 Casing Diameter: 2"
 Water Column: 39.64
 Casing Volume (Water Column x Gallons per foot): 6.3
 Purge Volume (3 x Casing Volume): 19.0

Purge Information

Purge Start Time: 0935
 Purge Method: Loss-Flow
 Flow Rate: 0.26

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 0940 | 2.0 | 7.61 | 671.7 | 20.10 | 0.25 | -150 | 304.2 |
| 0945 | 4.0 | 7.57 | 666.1 | 19.78 | 0.17 | -163 | 79.4 |
| 0950 | 5.0 | 7.53 | 678.9 | 20.72 | 0.17 | -160 | 42.3 |
| 0955 | 6.0 | 7.50 | 692.4 | 21.45 | 0.23 | -153 | 25.6 |
| 1000 | 7.0 | 7.50 | 692.9 | 21.46 | 0.23 | -153 | 15.4 |
| 1005 | 8.0 | 7.50 | 693.8 | 21.50 | 0.23 | -154 | 14.8 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1005
 Total Volume Purged: 8.0
 Final Depth to Water: 9.51

Sampling Information

Wellhead Gas Measurements: none
 Sample Collection Time: 1005
 Analytical Suite Collected: Vol. Diss. Asstb
 QAQC Samples Collected: none

Notes: _____



Groundwater Sampling Form

Well No. BM4-3D

Client: Chevron
 Project: Barricade Wall September 2009
 Project No.: 506-617-012

Well Condition: Good
 Geologist: J. Hill
 Date: 9-22-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 46.45
 Depth to Water: 9.10
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 37.35
 Casing Volume (Water Column x Gallons per foot): 597
 Purge Volume (3 x Casing Volume): 1798

Purge Information

Purge Start Time: 0846
 Purge Method: Low Flow
 Flow Rate: 2.3 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 0850 | 2.5 | 7.65 | 672.9 | 21.20 | 1.93 | -120 | 238 |
| 0855 | 3.5 | 7.61 | 679.7 | 21.18 | 0.66 | -158 | 12.3 |
| 0900 | 4.5 | 7.58 | 674.6 | 21.09 | 0.41 | -166 | 6.7 |
| 0905 | 5.5 | 7.56 | 671.4 | 20.92 | 0.29 | -170 | 3.1 |
| 0910 | 6.5 | 7.55 | 668.3 | 20.61 | 0.24 | -173 | 2.3 |
| 0915 | 8.0 | 7.55 | 668.1 | 20.27 | 0.17 | -176 | 1.4 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 0915
 Total Volume Purged: 8.0
 Final Depth to Water: 9.10

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 0915
 Analytical Suite Collected: UG Diss PhAs
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. 14-1377

Client: Chevron
 Project: Barrow Well Sp. 0069
 Project No. 500-617-012

Well Condition: Good
 Geologist: S. Hill
 Date: 9-22-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 38.45
 Depth to Water: 14.62
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 23.83
 Casing Volume (Water Column x Gallons per foot): 38
 Purge Volume (3 x Casing Volume): 114

Purge Information

Purge Start Time: 1110
 Purge Method: Low-Flow
 Flow Rate: 0.266

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|-------|----------------|------|-----------------------|-------------|------|------|-----------|
| 11:20 | 2.5 | 7.49 | 668.7 | 20.44 | 0.38 | -172 | 34.9 |
| 11:25 | 3.5 | 7.46 | 690.7 | 21.67 | 0.30 | -170 | 31.5 |
| 11:30 | 4.0 | 7.44 | 702.9 | 22.53 | 0.35 | -172 | 23.0 |
| 11:35 | 5.0 | 7.43 | 704.6 | 22.61 | 0.49 | -175 | 20.5 |
| 11:40 | 6.5 | 7.44 | 695.1 | 21.92 | 0.33 | -179 | 18.9 |
| 11:45 | 7.5 | 7.44 | 693.0 | 21.84 | 0.38 | -182 | 16.6 |
| 11:50 | 8.05 | 7.43 | 696.5 | 22.07 | 0.38 | -182 | 14.2 |
| 11:55 | 9.5 | 7.43 | 696.7 | 22.17 | 0.37 | -183 | 13.5 |
| | | | | | | | |

Purge Finish Time: 11:55
 Total Volume Purged: 9.5
 Final Depth to Water: 14.62

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 11:55
 Analytical Suite Collected: Dist, H₂S, Pb, VOC
 QAQC Samples Collected: SD-1, 092209 / MS/MSD

Notes: _____



Groundwater Sampling Form

Well No. MW-137S No Sample

Client: Chloron
 Project: D. Newell - 11 Sep 2009
 Project No.: SGU-017-012

Well Condition: Good
 Geologist: J. H. H.
 Date: 9-22-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 16.0
 Depth to Water: 14.85
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 1.15
 Casing Volume (Water Column x Gallons per foot): 0.18
 Purge Volume (3 x Casing Volume): 0.55

Purge Information

Purge Start Time: _____
 Purge Method: _____
 Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|----------------------|----------------|----|-----------------------|-------------|----|-----|-----------|
| No Sample | | | | | | | |
| | | | | | | | |
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| | | | | | | | |

Purge Finish Time: _____
 Total Volume Purged: _____
 Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: _____
 Sample Collection Time: _____
 Analytical Suite Collected: _____
 QAQC Samples Collected: _____

Notes: _____



Groundwater Sampling Form

Well No. B50-1D

Client: Chevron
Project: Beacon Well Sep 2009
Project No. 500-017-012

Well Condition: Good
Geologist: S.M. Barrett
Date: 9-29-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: UNK
Depth to Water: 14.73
Depth to Product: ND
Casing Diameter: 8"
Water Column: _____
Casing Volume (Water Column x Gallons per foot): _____
Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: 0853
Purge Method: Low Flow
Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 9:00 | 4.0 | 7.56 | 683.3 | 18.11 | 0.32 | -86 | 165.3 |
| 9:05 | 4.75 | 7.61 | 677.5 | 17.79 | 0.36 | -103 | 55.9 |
| 9:10 | 5.5 | 7.61 | 702.4 | 19.45 | 0.23 | -121 | 12.6 |
| 9:15 | 6.5 | 7.62 | 709.3 | 19.63 | 0.16 | -137 | 8.9 |
| 9:20 | 7.5 | 7.62 | 712 | 19.72 | 0.14 | -147 | 6.6 |
| 9:25 | 8.5 | 7.63 | 713.6 | 19.82 | 0.13 | -153 | 4.9 |
| 9:30 | 9.5 | 7.63 | 713.6 | 19.72 | 0.13 | -157 | 4.4 |
| 9:35 | 10.5 | 7.64 | 709.6 | 19.40 | 0.13 | -160 | 3.8 |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 9:35
Total Volume Purged: 10.5
Final Depth to Water: 14.73

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 0935
Analytical Suite Collected: UIC Dissolved
QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. BSU-15

Client: Chevron
 Project: Brown Hill Site Remediation
 Project No. 500-017-012

Well Condition: Good
 Geologist: S. M. Barrett
 Date: 9-29-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 14.73
 Depth to Water: 14.73
 Depth to Product: ND
 Casing Diameter: 8"
 Water Column: _____
 Casing Volume (Water Column x Gallons per foot): _____
 Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: 0945
 Purge Method: Low Flow
 Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 0950 | 9.0 | 7.76 | 699.9 | 18.91 | 3.73 | -39 | 69 |
| 0955 | 10.0 | 7.79 | 706.9 | 19.33 | 3.91 | -34 | 26.4 |
| 1000 | 11.0 | 7.80 | 707.0 | 19.32 | 3.96 | -33 | 19.3 |
| 1005 | 12.0 | 7.82 | 709.0 | 19.45 | 3.98 | -33 | 18.6 |
| 1010 | 13.5 | 7.82 | 708.9 | 19.43 | 3.98 | -34 | 16.4 |
| 1015 | 14.5 | 7.83 | 707.0 | 19.28 | 4.00 | -36 | 18.8 |
| 1020 | 15.5 | 7.83 | 709.0 | 19.41 | 3.97 | -36 | 18.3 |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1020
 Total Volume Purged: 15.5
 Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1020
 Analytical Suite Collected: CO2, Pb/As
 QAQC Samples Collected: _____

Notes: SAMPLED AT 16' BELOW MPE



Groundwater Sampling Form

Well No. BSW35

Client: _____
Project: _____
Project No. _____

Well Condition: GOOD
Geologist: J HALL + D BARLOW
Date: 9-29-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: _____
Depth to Water: 20.6
Depth to Product: _____
Casing Diameter: 2"
Water Column: _____
Casing Volume (Water Column x Gallons per foot): _____
Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: 1600
Purge Method: Low Flow
Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|--------------------------|------|-----------------------|-------------|------|------|-----------|
| 1605 | 7.0 | 7.62 | 715.0 | 19.42 | 3.19 | -133 | 58.1 |
| 1610 | 9.0 | 7.56 | 718.6 | 19.73 | 2.48 | -130 | 18.1 |
| 1615 | 10.75 | 7.55 | 718.7 | 19.75 | 2.63 | -127 | 12.3 |
| 1620 | 12.0 | 7.55 | 718.3 | 19.73 | 2.73 | -126 | 10.5 |
| 1625 | 13.5 | 7.55 | 718.5 | 19.73 | 2.80 | -125 | 9.2 |
| 1630 | Pump quit HAD TO RESTART | | | | | | |
| 1640 | 18.0 | 7.64 | 719.8 | 19.77 | 3.87 | -129 | 30.5 |
| 1645 | 20.0 | 7.62 | 719.6 | 19.82 | 2.98 | -127 | 42.0 |
| 1650 | 22.0 | 7.61 | 719.1 | 19.77 | 2.99 | -127 | 16.0 |
| 1655 | 24.0 | 7.61 | 718.8 | 19.74 | 3.05 | -127 | 13.1 |

Purge Finish Time: _____
Total Volume Purged: _____
Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: _____
Sample Collection Time: 1655
Analytical Suite Collected: _____
QAQC Samples Collected: _____

Notes: Packer set @ 60 PSI 23' below MPE
TURBIDITY DID NOT STABILIZE NEEDS REDEVELOPMENT
TO OPEN SLOT IN THE PIPE



Groundwater Sampling Form

Well No. 250-30

Client: Churon
 Project: Barrier 11 Sep 2008
 Project No.: 500-017-012

Well Condition: (Good)
 Geologist: William D. Barrett
 Date: 9-28-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: _____
 Depth to Water: 20.6
 Depth to Product: _____
 Casing Diameter: _____
 Water Column: _____
 Casing Volume (Water Column x Gallons per foot): _____
 Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: 1445
 Purge Method: Low Flow
 Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity | |
|------|----------------|---------------------------------|-----------------------|-------------|------|------|-----------|--|
| 1450 | 5.0 | 7.65 | 788.4 | 21.28 | 0.46 | -164 | 104.7 | |
| 1455 | 6.0 | 7.67 | 768.2 | 20.21 | 0.44 | -162 | 61.0 | |
| 1500 | 7.0 | 7.66 | 760.1 | 20.13 | 0.84 | -145 | 30.8 | |
| 1505 | 8.0 | 7.66 | 753.9 | 20.05 | 1.02 | -140 | 19.8 | |
| 1510 | 9.25 | 7.67 | 745.4 | 19.83 | 1.19 | -135 | 15.6 | |
| 1515 | 10.0 | 7.67 | 744.6 | 19.93 | 1.28 | -133 | 12.0 | |
| 1520 | 11.0 | 7.67 | 749.1 | 20.31 | 1.23 | -129 | 10.6 | |
| 1525 | 12.0 | pump quit + HAD TO BE RESTARTED | | | | | | |
| 1530 | 15.5 | 7.65 | 768.9 | 21.44 | 0.51 | -151 | 92.4 | |
| 1535 | 16.5 | 7.67 | 755.8 | 20.76 | 0.63 | -146 | 22.9 | |

Purge Finish Time: _____
 Total Volume Purged: _____
 Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: _____
 Sample Collection Time: _____
 Analytical Suite Collected: _____
 QAQC Samples Collected: _____

Notes: PACKER SET @ 60 PSI



Groundwater Sampling Form

Well No. BSW 3D

SHEET 2

Client: _____
Project: _____
Project No. _____

Well Condition: (Good)
Geologist: J HALL + D BARRETT
Date: 9-29-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: _____
Depth to Water: _____
Depth to Product: _____
Casing Diameter: _____
Water Column: _____
Casing Volume (Water Column x Gallons per foot): _____
Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: _____
Purge Method: _____
Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1540 | 17.5 | 7.67 | 754.8 | 20.84 | 0.79 | -136 | 4.4 |
| 1545 | 18.5 | 7.68 | 753.0 | 20.77 | 0.89 | -130 | 2.5 |
| 1550 | 19.5 | 7.68 | 752.8 | 20.79 | 0.80 | -130 | 2.3 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1550
Total Volume Purged: 19.5
Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: _____
Sample Collection Time: 1550
Analytical Suite Collected: _____
QAQC Samples Collected: _____

Notes: _____



Groundwater Sampling Form

Well No. BSW 29

Client: CHEVRON
 Project: BARRIER WALL SET 2009
 Project No.: 500-017-012

Well Condition: Good
 Geologist: JHALL & D BARRETT
 Date: 9-29-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: _____
 Depth to Water: _____
 Depth to Product: _____
 Casing Diameter: _____
 Water Column: _____
 Casing Volume (Water Column x Gallons per foot): _____
 Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: 1255
 Purge Method: _____
 Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1300 | 8.0 | 7.44 | 818 | 21.52 | 0.79 | -129 | 337.4 |
| 1305 | 9.0 | 7.51 | 817.9 | 21.66 | 0.32 | -146 | 250.0 |
| 1310 | 9.5 | 7.47 | 849.8 | 23.47 | 0.16 | -156 | 144.6 |
| 1315 | 10 | 7.46 | 855.4 | 23.86 | 0.12 | -162 | 110.7 |
| 1320 | 10.5 | 7.45 | 854.9 | 23.83 | 0.11 | -165 | 100.2 |
| 1325 | 11.5 | 7.43 | 865.1 | 24.31 | 0.09 | -169 | 105.1 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1325
 Total Volume Purged: 11.5
 Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1325
 Analytical Suite Collected: COC / Pb/As
 QAQC Samples Collected: _____

Notes: PACKER SET @ 60 PSI SAMPLED @ 19' BELOW MPE



Groundwater Sampling Form

Well No. BW-20

Client: Chevron
 Project: Remedial Well Sp. 2009
 Project No. SOU-017-012

Well Condition: Good
 Geologist: J. Hill D. Barrett
 Date: 9-29-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 39.6
 Depth to Water: 17.80
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: _____
 Casing Volume (Water Column x Gallons per foot): _____
 Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: 12:00
 Purge Method: _____
 Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|-------|----------------|------|-----------------------|-------------|------|------|-----------|
| 12:05 | 1.5 | 7.59 | 798.7 | 21.15 | 0.30 | -149 | 332.9 |
| 12:10 | 2.5 | 7.54 | 791.2 | 20.82 | 0.22 | -153 | 113.6 |
| 12:15 | 3.5 | 7.50 | 809.9 | 21.80 | 0.17 | -157 | 32.8 |
| 12:20 | 5.0 | 7.44 | 820.5 | 22.49 | 0.10 | -164 | 13.5 |
| 12:25 | 6.0 | 7.41 | 822.6 | 22.67 | 0.08 | -168 | 11.0 |
| 12:30 | 8.0 | 7.36 | 827.6 | 22.95 | 0.07 | -171 | 10.8 |
| 12:35 | 9.75 | 7.32 | 825.4 | 22.83 | 0.06 | -174 | 8.6 |
| 12:40 | 11.25 | 7.32 | 824.5 | 22.79 | 0.06 | -178 | 9.0 |
| 12:45 | 12.5 | 7.32 | 824.7 | 22.80 | 0.06 | -181 | 8.4 |

Purge Finish Time: 12:45
 Total Volume Purged: _____
 Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1245
 Analytical Suite Collected: _____
 QAQC Samples Collected: _____

Notes: PACKER PRESS SET @ 60 PSI

Analysis Request/ Environmental Services Chain of Custody



For Lancaster Laboratories use only
 Acct. # _____ Group # _____ Sample # **COC # 211755**

Please print. Instructions on reverse side correspond with circled numbers.

1 Client: Cheson Acct. #: 11494
 Project Name #: Barco Action Network PWSID #: Abolent/200000
 Project Manager: Duckham P.O.#: _____
 Sampler: John Hill Quote #: _____

Name of state where samples were collected: OHIO

2 **Sample Identification**

| Sample Identification | Date Collected | Time Collected | Grab | Composite |
|-------------------------|----------------|----------------|----------|-----------|
| <u>BSU-10, 092909</u> | <u>9-29-09</u> | <u>0935</u> | <u>X</u> | |
| <u>BSU-15, 092909</u> | <u>9-29-09</u> | <u>1020</u> | <u>X</u> | |
| <u>BSU-25, 092909</u> | <u>9-29-09</u> | <u>1655</u> | <u>X</u> | |
| <u>BSU-30, 092909</u> | <u>9-29-09</u> | <u>1550</u> | <u>X</u> | |
| <u>BSU-25, 092909</u> | <u>9-29-09</u> | <u>1325</u> | <u>X</u> | |
| <u>BSU-20, 092909</u> | <u>9-29-09</u> | <u>1045</u> | <u>X</u> | |
| <u>Top 26-6, 092909</u> | <u>9-29-09</u> | <u>1240</u> | <u>X</u> | |

3 **Matrix**

| Matrix | Soil | Water | Other | Total # of Containers |
|--|-------------------------------------|--------------------------|--------------------------|-----------------------|
| Check if Potable <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Check if NPDES Applicable <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

4 **Analyses Requested**

| Analyses Requested | Soil | Water | Other | Total # of Containers |
|--------------------|------|-------|-------|-----------------------|
| H | | | | 4 |
| N | | | | 3 |
| T | | | | 3 |
| B | | | | 3 |
| O | | | | 3 |

5 **Preservation Codes**

| Preservation Codes | Date | Time | Received by: |
|----------------------------------|------|------|--------------|
| H=HCl | | | |
| T=Thiosulfate | | | |
| N=HNO ₃ | | | |
| B=NaOH | | | |
| S=H ₂ SO ₄ | | | |
| O=Other | | | |

6 **Remarks**

OK Summary Data Package
Discoloration/No. 10
See Method Analytical 1.4.5

7 **Turnaround Time Requested (TAT) (please circle):** Normal **Rush**
 (Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
 Date results are needed: _____
 Rush results requested by (please circle): _____
 Phone #: 573-353-1323 Fax #: 573-353-4664
 E-mail address: clan@trichoda.com

8 **Data Package Options** (please circle if required)

| | | |
|----------------------------|--------------------------------|---------------|
| Type I (validation/NJ Reg) | TX TRRP-13 | SDG Complete? |
| Type II (Tier II) | MA MCP | Yes No |
| Type III (Reduced NJ) | CT RCP | |
| Type IV (CLP SOW) | Site-specific QC (MS/MSD/Dup)? | Yes No |
| Type VI (Raw Data Only) | Internal COC Required? | Yes / No |

9 **Temperature of samples** (upon receipt (if requested))

| Date | Time | Received by: |
|------|------|--------------|
| | | |
| | | |
| | | |
| | | |
| | | |

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
 Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client. 2102.03

Analysis Request/ Environmental Services Chain of Custody



For Lancaster Laboratories use only

COC # 211749

Please print. Instructions on reverse side correspond with circled numbers.

Client: Chester Gas, Inc. Acct. #: 11494
 Project Name #: Berco Well 500-017-02 PWSID #: MA01170000
 Project Manager: Dave Leman P.O. #: _____
 Sampler: Frank Hill Quote #: _____
 Name of state where samples were collected: MA

| Sample Identification | Date Collected | Time Collected | 3 | | | 4 | | | 5 | | | | | Remarks | Temperature of samples (if requested) | | |
|------------------------|----------------|----------------|------|-----------|------|-------|-------|--------|-----------------------|--------------------|--|--|--|---------|---------------------------------------|--|--|
| | | | Grab | Composite | Soil | Water | Other | Matrix | Total # of Containers | Preservation Codes | | | | | | | |
| MD-135T, 092109 | 9-21-09 | 1350 | X | | | X | | | | | | | | | | | |
| MD-136D, 092109 | 9-21-09 | 1050 | X | | | X | | | | | | | | | | | |
| BAN-25, 092109 | 9-21-09 | 1005 | X | | | X | | | | | | | | | | | |
| MD-137I, 092209 | 9-22-09 | 1155 | X | | | X | | | | | | | | | | | |
| MD-137I, 092209 MS/MSD | 9-22-09 | 1155 | X | | | X | | | | | | | | | | | |
| BD-1, 092209 | 9-22-09 | - | X | | | X | | | | | | | | | | | |
| BAN-30, 092209 | 9-22-09 | 0915 | X | | | X | | | | | | | | | | | |
| BAN-31, 092209 | 9-22-09 | 1065 | X | | | X | | | | | | | | | | | |
| BAN-35, 092209 | 9-22-09 | 1105 | X | | | X | | | | | | | | | | | |
| MD-139D, 092209 | 9-22-09 | 1315 | X | | | X | | | | | | | | | | | |

Preservation Codes: H=HCl, T=Thiosulfate, N=HNO₃, B=NaOH, S=H₂SO₄, O=Other
 FSC: _____
 SCR#: _____
 For Lab Use Only

Relinquished by: _____ Date: _____ Time: _____
 Relinquished by: _____ Date: _____ Time: _____
 Relinquished by: _____ Date: _____ Time: _____
 Relinquished by: _____ Date: _____ Time: _____
 Relinquished by: _____ Date: _____ Time: _____

Turnaround Time Requested (TAT) (please circle): Normal Rush
 (Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
 Date results are needed: _____
 Rush results requested by (please circle): Phone _____ Fax _____ E-mail _____
 Phone #: 5133531323 Fax #: 5133534164
 E-mail address: dhm@stet.com

Data Package Options (please circle if required):
 Type I (validation/NJ Reg) TX TRRP-13 SDG Complete? Yes No
 Type II (Tier II) MA MCP CT RCP
 Type III (Reduced NJ) Site-specific QC (MS/MSD/Dup)? Yes No
 Type IV (CLP SOW) (if yes, indicate QC sample and submit triplicate volume)
 Type VI (Raw Data Only) Internal COC Required? Yes / No



For Lancaster Laboratories use only

Acct. # _____

Group # _____

Sample # _____

COC # 211748

Analysis Request/ Environmental Services Chain of Custody

Please print. Instructions on reverse side correspond with circled numbers.

1 Client: Chelmer Co. Canal Acct. #: 1454
 Project Name#: Barron Unit 500-07-012 PWSID #: 1821510100000
 Project Manager: Douglas P.O.#: _____
 Sampler: John Holt Quote #: _____
 Name of state where samples were collected: OHIO

2

| Sample Identification | Date Collected | Time Collected | 3 | | | Total # of Containers | 4 | | 5 | | | | | Preservation Codes H=HCl T=Thiosulfate N=HNO ₃ B=NaOH S=H ₂ SO ₄ O=Other <u>See Attached analyst list</u> | Remarks | Temperature of samples upon receipt (if requested) |
|-----------------------|----------------|----------------|-------------------------------------|--------------------------|-------------------------------------|-----------------------|-------------------------------------|--------------------------|--------------------|--|--|--|--|--|---------|--|
| | | | Grab | Composite | Soil | | Water | Other | Preservation Codes | | | | | | | |
| <u>EMU-20-091709</u> | <u>9-17-09</u> | <u>1030</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>4</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>HW</u> | | | | | | | |
| <u>ML-155-091709</u> | <u>9-17-09</u> | <u>1110</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>4</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>HW</u> | | | | | | | |
| <u>ML-155-091709</u> | <u>9-17-09</u> | <u>1155</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>4</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>HW</u> | | | | | | | |
| <u>ML-155-091709</u> | <u>9-17-09</u> | <u>1240</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>4</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>HW</u> | | | | | | | |
| <u>EMU-15-091709</u> | <u>9-17-09</u> | <u>1300</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>4</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>HW</u> | | | | | | | |
| <u>EMU-15-091709</u> | <u>9-17-09</u> | <u>1250</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>4</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>HW</u> | | | | | | | |
| <u>EMU-10-071609</u> | <u>9-16-09</u> | <u>1250</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>4</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>HW</u> | | | | | | | |
| <u>EMU-20-091709</u> | <u>9-16-09</u> | <u>1250</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>4</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>HW</u> | | | | | | | |
| <u>EMU-25-091709</u> | <u>9-16-09</u> | <u>0845</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>4</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>HW</u> | | | | | | | |
| <u>EMU-25-091709</u> | <u>9-16-09</u> | <u>0850</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>4</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>HW</u> | | | | | | | |

6 Preservation Codes: See Attached analyst list

7 Turnaround Time Requested (TAT) (please circle): (Normal) Rush
 (Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
 Date results are needed: _____
 Rush results requested by (please circle): _____ Phone _____ Fax _____ E-mail _____
 Phone #: 215-353-3322 Fax #: 520-353-4144
 E-mail address: demetri@hydro.com

8 Data Package Options (please circle if required)

| | | | | |
|----------------------------|--|---------------|-----|----|
| Type I (Validation/NJ Reg) | TX TRRP-13 | SDG Complete? | Yes | No |
| Type II (Tier II) | MA MCP | CT RCP | | |
| Type III (Reduced NJ) | Site-specific QC (MS/MSD/Dup?) | Yes | No | |
| Type IV (CLP SOW) | (If yes, indicate QC sample and submit replicate volumes.) | | | |
| Type VI (Raw Data Only) | Internal COC Required? Yes / No | | | |

9

| Relinquished by: | Date | Time | Received by: | Date | Time |
|------------------|----------------|-------------|--------------|------|------|
| <u>John Holt</u> | <u>9-16-09</u> | <u>1000</u> | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

6 Preservation Codes: H=HCl T=Thiosulfate
N=HNO₃ B=NaOH
S=H₂SO₄ O=Other



COC # 211751

For Lancaster Laboratories use only
 Acct. # _____ Group# _____ Sample # _____

Please print. Instructions on reverse side correspond with circled numbers.

| <p>1 Client: <u>Chevron Cincinnati</u> Acct. #: <u>1494</u> Project Name#: <u>Barricade 500-017-012</u> PWSID #: <u>NALC16700006</u> Project Manager: <u>Douglas</u> P.O.#: _____ Sampler: <u>John Hill</u> Quote #: _____ Name of state where samples were collected: <u>OHIO</u></p> | | <p>3</p> <table border="1"> <thead> <tr> <th>Sample Identification</th> <th>Date Collected</th> <th>Time Collected</th> <th>Grab</th> <th>Composite</th> </tr> </thead> <tbody> <tr> <td><u>BD-2, 092209</u></td> <td><u>9-22-09</u></td> <td><u>1500</u></td> <td><u>X</u></td> <td><u>X</u></td> </tr> <tr> <td><u>Equipment 26.4, 092209 (P)</u></td> <td><u>9-22-09</u></td> <td><u>1500</u></td> <td><u>X</u></td> <td><u>X</u></td> </tr> <tr> <td><u>Equipment 26.4, 092209</u></td> <td><u>9-22-09</u></td> <td><u>1515</u></td> <td><u>X</u></td> <td><u>X</u></td> </tr> <tr> <td><u>F.P. Block</u></td> <td><u>9-22-09</u></td> <td><u>1700</u></td> <td><u>X</u></td> <td><u>X</u></td> </tr> </tbody> </table> | | Sample Identification | Date Collected | Time Collected | Grab | Composite | <u>BD-2, 092209</u> | <u>9-22-09</u> | <u>1500</u> | <u>X</u> | <u>X</u> | <u>Equipment 26.4, 092209 (P)</u> | <u>9-22-09</u> | <u>1500</u> | <u>X</u> | <u>X</u> | <u>Equipment 26.4, 092209</u> | <u>9-22-09</u> | <u>1515</u> | <u>X</u> | <u>X</u> | <u>F.P. Block</u> | <u>9-22-09</u> | <u>1700</u> | <u>X</u> | <u>X</u> | | | | | | | | | | | |
|--|----------------|--|--------------|-----------------------|----------------|-----------------------|--|-----------|---------------------|--------------------|----------------|--------------|----------|-----------------------------------|----------------|------------------|-------------|----------|-------------------------------|----------------|-------------|------------------|----------|-------------------|----------------|-------------|--|------------------|--------------------|------|--------------|------------------------|----------|------------------|------|------|--------------|------|------|
| Sample Identification | Date Collected | Time Collected | Grab | Composite | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>BD-2, 092209</u> | <u>9-22-09</u> | <u>1500</u> | <u>X</u> | <u>X</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>Equipment 26.4, 092209 (P)</u> | <u>9-22-09</u> | <u>1500</u> | <u>X</u> | <u>X</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>Equipment 26.4, 092209</u> | <u>9-22-09</u> | <u>1515</u> | <u>X</u> | <u>X</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>F.P. Block</u> | <u>9-22-09</u> | <u>1700</u> | <u>X</u> | <u>X</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>4</p> <table border="1"> <thead> <tr> <th>Matrix</th> <th>Water</th> <th>Soil</th> <th>Other</th> <th>Total # of Containers</th> </tr> </thead> <tbody> <tr> <td> <input type="checkbox"/> Potable Check if NPDES Applicable </td> <td><u>X</u></td> <td><u>X</u></td> <td><u>X</u></td> <td><u>4</u></td> </tr> <tr> <td><u>Water</u></td> <td><u>X</u></td> <td><u>X</u></td> <td><u>X</u></td> <td><u>4</u></td> </tr> <tr> <td><u>Soil</u></td> <td><u>X</u></td> <td><u>X</u></td> <td><u>X</u></td> <td><u>4</u></td> </tr> <tr> <td><u>Other</u></td> <td><u>X</u></td> <td><u>X</u></td> <td><u>X</u></td> <td><u>2</u></td> </tr> </tbody> </table> | | Matrix | Water | Soil | Other | Total # of Containers | <input type="checkbox"/> Potable Check if NPDES Applicable | <u>X</u> | <u>X</u> | <u>X</u> | <u>4</u> | <u>Water</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>4</u> | <u>Soil</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>4</u> | <u>Other</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>2</u> | <p>5 Analyses Requested</p> <table border="1"> <thead> <tr> <th>Preservation Codes</th> <th>H</th> <th>N</th> </tr> </thead> <tbody> <tr> <td><u>ANALYTICAL LIST</u></td> <td><u>X</u></td> <td><u>X</u></td> </tr> </tbody> </table> | | Preservation Codes | H | N | <u>ANALYTICAL LIST</u> | <u>X</u> | <u>X</u> | | | | | |
| Matrix | Water | Soil | Other | Total # of Containers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Potable Check if NPDES Applicable | <u>X</u> | <u>X</u> | <u>X</u> | <u>4</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>Water</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>4</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>Soil</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>4</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>Other</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>2</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preservation Codes | H | N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>ANALYTICAL LIST</u> | <u>X</u> | <u>X</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>6 Preservation Codes H=HCl T=Thiosulfate N=HNO₃ B=NaOH S=H₂SO₄ O=Other <u>SEE ATTACHED ANALYTICAL LIST</u></p> | | <p>Remarks <u>Dissolved Metals</u> <u>are field filtered</u> <u>OC Summary data</u> <u>Discharge</u></p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>7 Turnaround Time Requested (TAT) (please circle): Normal <u>Rush</u> (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) Date results are needed: _____ Rush results requested by (please circle): Phone _____ Fax _____ E-mail _____ Phone #: <u>513-353-1383</u> Fax #: <u>513-353-5164</u> E-mail address: _____</p> | | <p>9</p> <table border="1"> <thead> <tr> <th>Relinquished by:</th> <th>Date</th> <th>Time</th> <th>Received by:</th> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td><u>[Signature]</u></td> <td><u>9/22/09</u></td> <td><u>1800</u></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Relinquished by:</td> <td>Date</td> <td>Time</td> <td>Received by:</td> <td>Date</td> <td>Time</td> </tr> <tr> <td>Relinquished by:</td> <td>Date</td> <td>Time</td> <td>Received by:</td> <td>Date</td> <td>Time</td> </tr> <tr> <td>Relinquished by:</td> <td>Date</td> <td>Time</td> <td>Received by:</td> <td>Date</td> <td>Time</td> </tr> <tr> <td>Relinquished by:</td> <td>Date</td> <td>Time</td> <td>Received by:</td> <td>Date</td> <td>Time</td> </tr> </tbody> </table> | | Relinquished by: | Date | Time | Received by: | Date | Time | <u>[Signature]</u> | <u>9/22/09</u> | <u>1800</u> | | | | Relinquished by: | Date | Time | Received by: | Date | Time | Relinquished by: | Date | Time | Received by: | Date | Time | Relinquished by: | Date | Time | Received by: | Date | Time | Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>[Signature]</u> | <u>9/22/09</u> | <u>1800</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>8 Data Package Options (please circle if required)</p> TX TRRP-13 _____ MA MCP _____ CT RCP _____ Site-specific QC (MS/MSD/Dup)? Yes No (If yes, indicate QC sample and submit triplicate volume.) Internal COC Required? Yes / No _____ SDG Complete? Yes No | | <p>For Lab Use Only FSC: _____ SCR#: _____ Temperature of samples upon receipt (if requested) _____</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Groundwater Sampling Form

Well No. MU-134

Client: Chewon
 Project: 2nd SA 2009
 Project No.: 500-017-012

Well Condition: Good
 Geologist: J. Hall, D. Barrett
 Date: 10-5-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 44.1
 Depth to Water: 37.54
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 6.56
 Casing Volume (Water Column x Gallons per foot): 1.05
 Purge Volume (3 x Casing Volume): 3.15

Purge Information

Purge Start Time: 11:00
 Purge Method: Low Flow
 Flow Rate: .33 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|-------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 11:05 | 5.0 | 7.29 | 629.3 | 17.36 | 7.28 | -22 | 596.6 |
| 11:10 | 6.0 | 7.28 | 639.5 | 17.82 | 6.58 | -21 | 186.3 |
| 11:15 | 7.25 | 7.27 | 648.3 | 18.02 | 5.85 | -18 | 46.1 |
| 11:20 | 8.0 | 7.27 | 649.4 | 18.20 | 5.46 | -17 | 15.3 |
| 11:25 | 9.0 | 7.26 | 650.6 | 18.24 | 4.96 | -16 | 8.6 |
| 11:30 | 10.0 | 7.26 | 653.0 | 18.36 | 4.69 | -15 | 6.5 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 11:30
 Total Volume Purged: 10.0
 Final Depth to Water: 37.54

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 11:30
 Analytical Suite Collected: UOC, Diss. Metals
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. MW-132 (Sheet 1 of 2)

Client: Chouron
 Project: 2nd Semi Annual / 2009
 Project No.: 500-617-012

Well Condition: Good
 Geologist: S. Hill Barrett
 Date: 10-5-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 44.35
 Depth to Water: 37.76
 Depth to Product: ND
 Casing Diameter: 8"
 Water Column: 6.59
 Casing Volume (Water Column x Gallons per foot): 1.05
 Purge Volume (3 x Casing Volume): 2.16

Purge Information

Purge Start Time: 0945
 Purge Method: Low Flow
 Flow Rate: .38 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 0955 | 14.0 | 7.13 | 683.1 | 16.17 | 3.29 | 142 | 856.9 |
| 1000 | 15.0 | 7.19 | 684.1 | 16.17 | 2.37 | 44 | 822.3 |
| 1005 | 16.0 | 7.20 | 678.5 | 16.42 | 2.23 | 30 | 640.9 |
| 1010 | 17.0 | 7.19 | 682.7 | 16.99 | 2.37 | 27 | 241.1 |
| 1015 | 18.0 | 7.18 | 703.0 | 17.20 | 2.53 | 23 | 142.1 |
| 1020 | 19.0 | 7.17 | 711.6 | 17.28 | 2.60 | 21 | 60.4 |
| 1025 | 20.0 | 7.16 | 718.3 | 17.44 | 2.63 | 20 | 43.1 |
| 1030 | 21.0 | 7.16 | 715.1 | 17.33 | 2.60 | 19 | 18.0 |
| 1035 | 22.0 | 7.15 | 725.3 | 17.91 | 2.70 | 20 | 24.3 |
| 1040 | 23.0 | 7.14 | 733.2 | 18.19 | 2.64 | 19 | 10.3 |

Purge Finish Time: 1050
 Total Volume Purged: 25.0
 Final Depth to Water: 37.76

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1050
 Analytical Suite Collected: VOC / Diss Metals
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. MW-132 (Sheet 2 of 2)

Client: Chevron
 Project: Q²-SA 2009
 Project No.: 500-017-012

Well Condition: Good
 Geologist: Shel D. Barrett
 Date: 10-17-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: _____
 Depth to Water: See Sketch
 Depth to Product: _____
 Casing Diameter: _____
 Water Column: _____
 Casing Volume (Water Column x Gallons per foot): _____
 Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: _____
 Purge Method: _____
 Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|-------------|----------------|-------------|-----------------------|--------------|-------------|-----------|------------|
| <u>1045</u> | <u>24.00</u> | <u>7.13</u> | <u>734.9</u> | <u>18.19</u> | <u>2.64</u> | <u>18</u> | <u>8.2</u> |
| <u>1050</u> | <u>25.0</u> | <u>7.13</u> | <u>735.2</u> | <u>18.22</u> | <u>2.65</u> | <u>18</u> | <u>6.6</u> |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: _____
 Total Volume Purged: _____
 Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: _____
 Sample Collection Time: 1050
 Analytical Suite Collected: _____
 QAQC Samples Collected: _____

Notes: _____



Groundwater Sampling Form

Well No. mw-138

Client: CHEVRON
 Project: 2nd SA 2009
 Project No.: 500-017-02

Well Condition: Good
 Geologist: J. HALL + D. BARRETT
 Date: 10-7-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 50.0
 Depth to Water: 41.78
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 8.22
 Casing Volume (Water Column x Gallons per foot): 1.32
 Purge Volume (3 x Casing Volume): 3.95

Purge Information

Purge Start Time: 1300
 Purge Method: Low Flow
 Flow Rate: .5 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 1310 | 13.5 | 7.36 | 844.4 | 16.26 | 0.91 | -52 | 383.0 |
| 1315 | 14.25 | 7.33 | 861.4 | 17.02 | 0.88 | -63 | 277.9 |
| 1320 | 15.0 | 7.26 | 864.0 | 17.17 | 0.17 | -63 | 11.7 |
| 1325 | 17.0 | 7.22 | 859.3 | 17.20 | 0.13 | -64 | 173.5 |
| 1330 | 18.0 | 7.20 | 850.7 | 16.76 | 0.14 | -66 | 12.5 |
| 1335 | 19.5 | 7.17 | 858.7 | 17.27 | 0.13 | -64 | 8.3 |
| 1340 | 20.5 | 7.16 | 857.7 | 17.29 | 0.12 | -64 | 7.1 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1340
 Total Volume Purged: 20.5
 Final Depth to Water: 41.78

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1340
 Analytical Suite Collected: COC, Pb, AS
 QA/QC Samples Collected: NONE

Notes: _____



Groundwater Sampling Form

Well No. MW-120

Client: Chemura
 Project: 22 SA 2009
 Project No.: 500-017-012

Well Condition: Good
 Geologist: J. HALL & P. BARRETT
 Date: 10-7-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 46.90
 Depth to Water: 41.46
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 5.44
 Casing Volume (Water Column x Gallons per foot): 0.87
 Purge Volume (3 x Casing Volume): 2.61

Purge Information

Purge Start Time: 1015
 Purge Method: Low-Flow
 Flow Rate: .34 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 1020 | 5.25 | 7.20 | 918.5 | 16.43 | 6.44 | -52 | 125.3 |
| 1025 | 6.25 | 7.14 | 930.4 | 16.9 | 5.47 | -51 | 43.1 |
| 1030 | 7.25 | 7.11 | 930.5 | 16.89 | 4.72 | -47 | 26.6 |
| 1035 | 8.25 | 7.09 | 943.3 | 17.45 | 4.00 | -45 | 17.5 |
| 1040 | 9.25 | 7.09 | 951.3 | 17.88 | 3.32 | -44 | 13.8 |
| 1045 | 11.00 | 7.09 | 944.1 | 17.46 | 2.69 | -48 | 7.4 |
| 1050 | 12.5 | 7.08 | 948.5 | 17.64 | 2.15 | -49 | 6.2 |
| 1055 | 14.0 | 7.07 | 953.8 | 17.89 | 1.63 | -50 | 5.0 |
| 1100 | 15.5 | 7.07 | 946.2 | 17.50 | 1.45 | -51 | 4.8 |

Purge Finish Time: 1100
 Total Volume Purged: 15.5
 Final Depth to Water: 41.46

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1100
 Analytical Suite Collected: CDC, P/AS
 QAQC Samples Collected: EB-1, 100709 @ 8:00 AM

Notes: _____



Groundwater Sampling Form

Well No. MW-139

Client: Cherry-
Project: 2nd SA 2009
Project No. 500-017-019

Well Condition: Good
Geologist: S. Hill D. Barrett
Date: 10-7-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 50
Depth to Water: 41.70
Depth to Product: ND
Casing Diameter: 2"
Water Column: 8.3
Casing Volume (Water Column x Gallons per foot): 1.33
Purge Volume (3 x Casing Volume): 3.98

Purge Information

Purge Start Time: 1400
Purge Method: Low-Flow
Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1410 | 15.5 | 7.14 | 853.2 | 15.90 | 0.88 | -133 | 697.5 |
| 1415 | 17.0 | 7.26 | 864.6 | 16.62 | 0.15 | -144 | 249.6 |
| 1420 | 18.5 | 7.25 | 867.5 | 16.82 | 0.11 | -145 | 62.5 |
| 1425 | 20.0 | 7.23 | 869.8 | 16.93 | 0.10 | -146 | 15.8 |
| 1430 | 21.0 | 7.22 | 872.7 | 17.06 | 0.10 | -147 | 10.9 |
| 1435 | 22.5 | 7.21 | 873.2 | 17.12 | 0.10 | -148 | 7.2 |
| 1440 | 24.0 | 7.21 | 871.9 | 17.05 | 0.10 | -148 | 5.5 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1440
Total Volume Purged: 24.0
Final Depth to Water: 41.70

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1440
Analytical Suite Collected: CO2 Diss As Pb
QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. MU-133

Client: Chevron
 Project: SA 2009
 Project No.: 500-017-012

Well Condition: Good
 Geologist: J. Hall, D. Barrett
 Date: 10-8-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 50.55
~~50.5~~
 Depth to Water: 44.21
 Depth to Product: ND
 Casing Diameter: 8"
 Water Column: 6.34
 Casing Volume (Water Column x Gallons per foot): 1.01
 Purge Volume (3 x Casing Volume): 3.04

Purge Information

Purge Start Time: 1205
 Purge Method: Low Flow
 Flow Rate: .39 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 1220 | 8.0 | 7.12 | 827.8 | 16.13 | 1.48 | 104 | 633.8 |
| 1225 | 8.5 | 7.13 | 827.2 | 16.10 | 0.82 | -2 | 955.1 |
| 1230 | 9.5 | 7.12 | 834.7 | 16.56 | 0.86 | -16 | 531.2 |
| 1235 | 10.25 | 7.12 | 835.3 | 16.68 | 0.89 | -22 | 207.6 |
| 1240 | 12.00 | 7.12 | 842.2 | 17.09 | 0.85 | -24 | 52.3 |
| 1245 | 14.0 | 7.13 | 840.7 | 17.02 | 0.84 | -26 | 21.6 |
| 1250 | 16.0 | 7.13 | 840.3 | 17.0 | 0.80 | -28 | 12.3 |
| 1255 | 17.75 | 7.13 | 840.3 | 17.02 | 0.79 | -29 | 8.5 |
| 1300 | 19.0 | 7.13 | 838.3 | 16.98 | 0.77 | -30 | 7.3 |
| 1305 | 20.5 | 7.13 | 838.8 | 16.99 | 0.75 | -30 | 5.7 |
| 1310 | 22.0 | 7.13 | 838.5 | 16.99 | 0.74 | -31 | 5.0 |

Purge Finish Time: 1315
 Total Volume Purged: 23.5
 Final Depth to Water: 44.21
1315 23.5 7.13 838.9 17.0 0.75 -31 4.8

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1315
 Analytical Suite Collected: COC, P, AS, MNA
 QAQC Samples Collected: NONE

Notes: 65°F Rain



Groundwater Sampling Form

Well No. MW-35

Client: CHEVRON
Project: IND. SEM. ANNUAL 2009
Project No.: 500-017-012

Well Condition: GOOD
Geologist: J. HALL & D. BARRETT
Date: 10-12

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 51.70
 Depth to Water: 43.50
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 8.2
 Casing Volume (Water Column x Gallons per foot): 1.31
 Purge Volume (3 x Casing Volume): 3.94

Purge Information

Purge Start Time: 9:00
 Purge Method: LOW FLOW
 Flow Rate: .4 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 9:10 | 6.5 | 7.07 | 865.4 | 16.05 | 0.27 | -51 | 518.0 |
| 9:15 | 8.0 | 7.02 | 880.2 | 16.69 | 0.24 | -38 | 86.2 |
| 9:20 | 9.5 | 7.00 | 877.5 | 16.62 | 0.18 | -33 | 42.5 |
| 9:25 | 11.0 | 6.97 | 882.0 | 16.87 | 0.17 | -30 | 19.0 |
| 9:30 | 13.5 | 6.95 | 885.7 | 17.06 | 0.14 | -28 | 8.9 |
| 9:35 | 15.0 | 6.94 | 886.2 | 17.08 | 0.16 | -28 | 6.5 |
| 9:40 | 16.75 | 6.94 | 885.8 | 17.09 | 0.15 | -29 | 4.8 |
| 9:45 | 18.25 | 6.94 | 889.9 | 17.27 | 0.15 | -29 | 4.1 |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 9:45
 Total Volume Purged: 18.25
 Final Depth to Water: 43.50

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 9:45
 Analytical Suite Collected: COC, Pb, As, MNA
 QA/QC Samples Collected: EB-2, 10/12/09 @ 8:25 COC, Pb, As TPH, BD-1, 10/12/09

Notes: _____



Groundwater Sampling Form

Well No. MW-155

Client: CHEVRON
 Project: 2ND SEMI ANNUAL 2009
 Project No. 500-017-012

Well Condition: GOOD
 Geologist: J. HALL & D. BARRETT
 Date: 10-12-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 51.56
 Depth to Water: 44.57
 Depth to Product: 50.56 NO
 Casing Diameter: 2"
 Water Column: 6.99
 Casing Volume (Water Column x Gallons per foot): 1.12
 Purge Volume (3 x Casing Volume): 3.36

Purge Information

Purge Start Time: 1025
 Purge Method: LOW FLOW
 Flow Rate: .26 L/MIN

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1030 | 3.5 | 7.08 | 887.7 | 15.42 | 0.33 | -117 | 130.4 |
| 1035 | 4.25 | 7.08 | 888.0 | 15.58 | 0.16 | -119 | 66.4 |
| 1040 | 5.50 | 7.04 | 889.1 | 15.74 | 0.17 | -120 | 18.9 |
| 1045 | 6.75 | 7.01 | 890.4 | 15.89 | 0.16 | -121 | 10.3 |
| 1050 | 7.50 | 7.00 | 892.1 | 16.0 | 0.16 | -121 | 9.7 |
| 1055 | 8.25 | 6.99 | 891.4 | 16.01 | 0.16 | -121 | 7.9 |
| 1100 | 9.5 | 6.98 | 898.0 | 16.31 | — | -122 | 7.6 |
| 1105 | 10.5 | 6.98 | 896.8 | 16.24 | — | -122 | 7.4 |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1105
 Total Volume Purged: 10.5
 Final Depth to Water: 44.57

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1105
 Analytical Suite Collected: COC, Pb, As, Mn, TPA
 QAQC Samples Collected: MS/MSD 10/12/09

Notes: O2 SENSOR MESS'D UP



Groundwater Sampling Form

Well No. MU-142

Client: Cherco
 Project: 2nd SA 2009
 Project No.: 500-017-012

Well Condition: Good
 Geologist: J.H.
 Date: 10-13-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 53.00
 Depth to Water: 48.13
 Depth to Product: ND
 Casing Diameter: 8"
 Water Column: 4.87
 Casing Volume (Water Column x Gallons per foot): .78
 Purge Volume (3 x Casing Volume): 2.34

Purge Information

Purge Start Time: 0835
 Purge Method: Low Flow
 Flow Rate: .33 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 0840 | 5.0 | 6.98 | 667.2 | 15.99 | 6.09 | -118 | 24.7 |
| 0845 | 6.0 | 6.92 | 677.4 | 16.19 | 0.50 | -117 | 7.1 |
| 0850 | 7.0 | 6.89 | 680.3 | 16.22 | 0.89 | -117 | 4.9 |
| 0855 | 8.0 | 6.88 | 681.8 | 16.21 | 0.99 | -117 | 3.0 |
| 0900 | 9.0 | 6.88 | 682.5 | 16.20 | 0.89 | -117 | 3.4 |
| 0905 | 10.0 | 6.88 | 683.5 | 14.21 | 0.99 | -117 | 3.2 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 0905
 Total Volume Purged: 10.0
 Final Depth to Water: 48.13

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 0905
 Analytical Suite Collected: CO2
 QAQC Samples Collected: NONE

Notes: CHANGED DO SENSOR IN 9500 H.C. ODOR



Groundwater Sampling Form

Well No. MU-141

Client: Chrom
Project: 2nd SA 2168
Project No. 560-017-012

Well Condition: Good
Geologist: _____
Date: 10-13-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 52.9
Depth to Water: 48.13
Depth to Product: ND
Casing Diameter: 2"
Water Column: 4.77
Casing Volume (Water Column x Gallons per foot): .76
Purge Volume (3 x Casing Volume): 2.29

Purge Information

Purge Start Time: 09100912
Purge Method: Low flow
Flow Rate: .45 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 0925 | 6.0 | 6.84 | 1003 | 16.66 | 0.61 | -97 | 20.7 |
| 0930 | 7.75 | 6.81 | 1010 | 16.84 | 0.80 | -99 | 7.1 |
| 0935 | 9.25 | 6.80 | 1010 | 16.74 | 0.81 | -102 | 4.3 |
| 0940 | 10.25 | 6.80 | 1012 | 16.75 | 0.79 | -103 | 3.9 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 0940
Total Volume Purged: 10.25
Final Depth to Water: 48.13

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 0940
Analytical Suite Collected: VOG D-5 As Pb
QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. MW-22

Client: CHEVRON
Project: 2ND SA 2009
Project No. 500-017-012

Well Condition: Good
Geologist: J. HALL + D. BARRETT
Date: 10-13-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 36.30
Depth to Water: 28.98
Depth to Product: ND
Casing Diameter: 2"
Water Column: 9.32
Casing Volume (Water Column x Gallons per foot): 1.49
Purge Volume (3 x Casing Volume): 4.47

Purge Information

Purge Start Time: 1340
Purge Method: Low Flow
Flow Rate: .33L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1350 | 9.25 | 6.98 | 766.5 | 15.63 | 1.38 | -94 | 357.9 |
| 1355 | 10.5 | 6.88 | 780.6 | 16.24 | 0.57 | -93 | 512.1 |
| 1400 | 11.5 | 6.85 | 791.5 | 16.70 | 0.25 | -94 | 494.6 |
| 1405 | 13.5 | 6.81 | 794.9 | 16.67 | 0.35 | -96 | 372.0 |
| 1410 | 14.5 | 6.79 | 800.5 | 16.89 | 0.35 | -97 | 252.0 |
| 1415 | 15.5 | 6.77 | 798.5 | 16.59 | 0.35 | -98 | 206.1 |
| 1420 | 17.0 | 6.76 | 804.9 | 16.83 | 0.32 | -99 | 153.3 |
| 1425 | 18.5 | 6.76 | 802.2 | 16.61 | 0.30 | -100 | 136.6 |
| 1430 | 19.25 | 6.76 | 801.4 | 16.53 | 0.29 | -100 | 109.3 |
| 1435 | 20.25 | 6.76 | 802.4 | 16.45 | 0.28 | -101 | 61.9 |

Purge Finish Time: 1500
Total Volume Purged: 26.5
Final Depth to Water: 28.98

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1500
Analytical Suite Collected: COC
QAQC Samples Collected: NONE

Notes: _____



Groundwater Sampling Form

Well No. MW-22

SHEET 2

Client: _____
 Project: _____
 Project No. _____

Well Condition: _____
 Geologist: _____
 Date: 10-13-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: _____
 Depth to Water: _____
 Depth to Product: _____
 Casing Diameter: _____
 Water Column: _____
 Casing Volume (Water Column x Gallons per foot): _____
 Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: _____
 Purge Method: _____
 Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1440 | 21.5 | 6.75 | 801.7 | 16.33 | 0.26 | -102 | 41.0 |
| 1445 | 22.75 | 6.74 | 804.9 | 16.42 | 0.25 | -103 | 34.0 |
| 1450 | 24.0 | 6.74 | 805.6 | 16.46 | 0.24 | -103 | 27.8 |
| 1455 | 25.25 | 6.74 | 805.8 | 16.45 | 0.24 | -104 | 27.8 |
| 1500 | 26.5 | 6.75 | 806.1 | 16.45 | 0.24 | -104 | 26.5 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1500
 Total Volume Purged: 26.5
 Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: _____
 Sample Collection Time: 1500
 Analytical Suite Collected: _____
 QAQC Samples Collected: _____

Notes: _____



Groundwater Sampling Form

Well No. MW-114

Client: CHEVRON
 Project: 2ND SEMI ANNUAL 2009
 Project No. 500-017-012

Well Condition: Good
 Geologist: J. HALL & D. BARRETT
 Date: 10-19-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 83.79
 Depth to Water: 79.10
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 4.69
 Casing Volume (Water Column x Gallons per foot): 0.75
 Purge Volume (3 x Casing Volume): 2.25

Purge Information

Purge Start Time: 1220
 Purge Method: Low Flow
 Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 1230 | 8.0 | 6.69 | 1349 | 16.19 | 2.99 | -27 | 347.7 |
| 1235 | 9.5 | 6.63 | 1383 | 16.89 | 2.95 | -40 | 420.8 |
| 1240 | 10.0 | 6.62 | 1395 | 17.31 | 2.99 | -45 | 207.0 |
| 1245 | 11.0 | 6.60 | 1422 | 17.70 | 2.99 | -47 | 101.0 |
| 1250 | 12.0 | 6.60 | 1422 | 17.94 | 2.97 | -51 | 49.7 |
| 1255 | 13.0 | 6.60 | 1428 | 18.10 | 2.99 | -53 | 30.1 |
| 1300 | 14.0 | 6.60 | 1427 | 18.17 | 2.96 | -56 | 18.7 |
| 1305 | 15.0 | 6.62 | 1463 | 18.08 | 2.89 | -58 | 14.5 |
| 1310 | 16.0 | 6.62 | 1421 | 18.22 | 2.90 | -57 | 11.5 |
| 1315 | 17.0 | 6.60 | 1425 | 18.10 | 2.84 | -57 | 33.6 |

Purge Finish Time: 1355
 Total Volume Purged: 24.75
 Final Depth to Water: 79.10

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1355
 Analytical Suite Collected: COC, P/A2, TPH, MNA
 QAQC Samples Collected: NONE

Notes: _____



Groundwater Sampling Form

Well No. MW-114

SHEET 2

Client: _____
 Project: _____
 Project No. _____

Well Condition: _____
 Geologist: _____
 Date: 10-19-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: _____
 Depth to Water: _____
 Depth to Product: _____
 Casing Diameter: _____
 Water Column: _____
 Casing Volume (Water Column x Gallons per foot): _____
 Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: _____
 Purge Method: _____
 Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 1320 | 18.0 | 6.61 | 1431 | 18.38 | 2.81 | -57 | 30.4 |
| 1325 | 18.75 | 6.62 | 1432 | 18.24 | 2.83 | -57 | 21.9 |
| 1330 | 19.75 | 6.64 | 1415 | 18.04 | 2.80 | -58 | 17.3 |
| 1335 | 20.75 | 6.63 | 1432 | 18.27 | 2.80 | -58 | 11.1 |
| 1340 | 21.75 | 6.64 | 1426 | 18.09 | 2.81 | -59 | 8.5 |
| 1345 | 22.75 | 6.65 | 1424 | 18.21 | 2.80 | -59 | 6.0 |
| 1350 | 23.75 | 6.64 | 1432 | 18.21 | 2.81 | -60 | 5.0 |
| 1355 | 24.75 | 6.64 | 1431 | 18.24 | 2.82 | -60 | 5.4 |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: _____
 Total Volume Purged: _____
 Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: _____
 Sample Collection Time: 1355
 Analytical Suite Collected: COC Pb/As TPH Mn
 QAQC Samples Collected: NONE

Notes: _____



Groundwater Sampling Form

Well No. MW-131

Client: Cherton
 Project: 23' ABWSS
 Project No. 500-617-012

Well Condition: Good
 Geologist: Jill Barrett
 Date: 10-20-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 43.65
 Depth to Water: 35.75
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 7.9
 Casing Volume (Water Column x Gallons per foot): 1.26
 Purge Volume (3 x Casing Volume): 3.80

Purge Information

Purge Start Time: 1105
 Purge Method: Low Flow
 Flow Rate: 2 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1110 | 1 | 7.30 | 735.9 | 15.77 | 7.35 | -204 | 60.2 |
| 1115 | 2.25 | 7.14 | 769.5 | 16.36 | 5.94 | -202 | 61.6 |
| 1120 | 3.0 | 7.07 | 772.8 | 17.09 | 5.35 | -200 | 24.4 |
| 1125 | 4.0 | 7.07 | 763.5 | 17.12 | 4.87 | -198 | 9.3 |
| 1130 | 5.0 | 7.01 | 774.9 | 17.23 | 4.41 | -196 | 5.2 |
| 1135 | 6.0 | 6.99 | 761.9 | 16.90 | 3.97 | -195 | 3.0 |
| 1140 | 7.0 | 7.00 | 766.4 | 16.89 | 3.48 | -195 | 2.1 |
| 1145 | 8.0 | 6.99 | 762.3 | 16.91 | 3.19 | -195 | 1.7 |
| 1150 | 9.0 | 6.98 | 767.4 | 17.56 | 3.03 | -194 | 1.4 |

Purge Finish Time: 1150
 Total Volume Purged: 9.0
 Final Depth to Water: 35.75

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1150
 Analytical Suite Collected: CO2, Mn, Ni
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. MW-37

Client: Chevron
 Project: 220 SRAWS
 Project No. 500-017-012

Well Condition: Prod Broken
 Geologist: Bill D Bennett
 Date: 10-20-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 23 30.4
 Depth to Water: 25.99
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 4.41
 Casing Volume (Water Column x Gallons per foot): 0.71
 Purge Volume (3 x Casing Volume): 2.12

Purge Information

Purge Start Time: 0950
 Purge Method: Low flow
 Flow Rate: 2.30 gpm, 4.2 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 0955 | 7.0 | 7.08 | 1085 | 16.58 | 0.89 | 65 | 202.7 |
| 1000 | 8.5 | 6.80 | 1070 | 17.33 | 0.37 | -49 | 33.9 |
| 1005 | 9.5 | 6.75 | 1075 | 17.16 | 0.23 | -70 | 20.7 |
| 1010 | 12.0 | 6.70 | 1073 | 16.99 | 0.15 | -89 | 7.4 |
| 1015 | 13.0 | 6.69 | 1073 | 17.01 | 0.12 | -96 | 5.6 |
| 1020 | 14.0 | 6.67 | 1076 | 17.10 | 0.18 | -100 | 3.3 |
| 1025 | 15.0 | 6.67 | 1073 | 17.12 | 0.19 | -101 | 3.3 |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1025
 Total Volume Purged: 15.0
 Final Depth to Water: 26.00

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1025
 Analytical Suite Collected: COC MVA
 QAQC Samples Collected: FIELD BLANK, 102009 @ 95% A

Notes: _____



Groundwater Sampling Form

Well No. MU-104/S

Client: Cherow
 Project: 2nd S/A 2009
 Project No. 500-017-012

Well Condition: Good
 Geologist: J. H. D. Berrett
 Date: 11-9-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 251
 Depth to Water: 18.49
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 7.11
 Casing Volume (Water Column x Gallons per foot): 1.22
 Purge Volume (3 x Casing Volume): 3.65

Purge Information

Purge Start Time: 1248
 Purge Method: Low Flow
 Flow Rate: 49 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 1355 | 2.75 | 7.41 | 673.5 | 18.67 | 2.68 | 4 | 207.6 |
| 1400 | 10.0 | 7.33 | 696.8 | 18.87 | 2.66 | 5 | 48.7 |
| 1405 | 11.25 | 7.26 | 696.3 | 18.91 | 2.60 | 4 | 28.7 |
| 1410 | 12.75 | 7.22 | 696.3 | 18.95 | 2.56 | 2 | 9.5 |
| 1415 | 13.75 | 7.20 | 696.4 | 18.97 | 2.51 | 2 | 6.9 |
| 1420 | 14.75 | 7.20 | 696.2 | 18.99 | 2.48 | 1 | 5.0 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1420
 Total Volume Purged: 14.75
 Final Depth to Water: 18.50

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1420
 Analytical Suite Collected: Col
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. MLJ-100S

Client: Chevron
 Project: 2nd SAR009
 Project No. 500-017-012

Well Condition: Good
 Geologist: J.H. Barrett
 Date: 11-10-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 85.95
 Depth to Water: 79.99
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 5.96
 Casing Volume (Water Column x Gallons per foot): .95
 Purge Volume (3 x Casing Volume): 2.86

Purge Information

Purge Start Time: 0855
 Purge Method: Low Flow
 Flow Rate: .27 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 905 | 6.0 | 7.12 | 939.1 | 15.10 | 1.21 | -2 | 593.9 |
| 910 | 7.0 | 7.09 | 946.4 | 15.94 | 0.97 | -9 | 396.9 |
| 915 | 8.0 | 7.07 | 948.5 | 16.52 | 1.13 | -4 | 228.8 |
| 920 | 9.5 | 7.05 | 940.3 | 16.84 | 1.60 | 9 | 119.1 |
| 925 | 10.5 | 7.04 | 930.8 | 17.02 | 2.01 | 19 | 82.6 |
| 930 | 11.5 | 7.03 | 923.2 | 17.16 | 2.32 | 25 | 55.0 |
| 935 | 13.0 | 7.02 | 915.4 | 17.44 | 2.73 | 33 | 29.0 |
| 940 | 14.0 | 7.02 | 910.3 | 17.59 | 3.04 | 38 | 21.1 |
| 945 | 15.25 | 7.01 | 904.8 | 17.57 | 3.29 | 42 | 15.8 |
| 950 | 16.25 | 7.01 | 902.8 | 17.64 | 3.47 | 44 | 13.4 |

Purge Finish Time: 1010
 Total Volume Purged: 20.5
 Final Depth to Water: 79.99

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1010
 Analytical Suite Collected: COC, TH, MMA
 QAQC Samples Collected: NONE

Notes: _____



Groundwater Sampling Form

SHEET 2

Well No. MW-1005

Client: _____
 Project: _____
 Project No. _____

Well Condition: _____
 Geologist: _____
 Date: 11-10-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: _____
 Depth to Water: _____
 Depth to Product: _____
 Casing Diameter: _____
 Water Column: _____
 Casing Volume (Water Column x Gallons per foot): _____
 Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: _____
 Purge Method: _____
 Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|-------------|----------------|-------------|-----------------------|--------------|-------------|-----------|-------------|
| <u>955</u> | <u>17.5</u> | <u>7.01</u> | <u>901.5</u> | <u>17.70</u> | <u>3.63</u> | <u>46</u> | <u>10.3</u> |
| <u>1000</u> | <u>18.5</u> | <u>7.01</u> | <u>902.6</u> | <u>17.82</u> | <u>3.75</u> | <u>47</u> | <u>9.6</u> |
| <u>1005</u> | <u>19.5</u> | <u>7.00</u> | <u>904.1</u> | <u>17.90</u> | <u>3.80</u> | <u>48</u> | <u>9.6</u> |
| <u>1010</u> | <u>20.5</u> | <u>7.00</u> | <u>906.0</u> | <u>17.92</u> | <u>3.82</u> | <u>49</u> | <u>10.0</u> |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: _____
 Total Volume Purged: _____
 Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: _____
 Sample Collection Time: 1010
 Analytical Suite Collected: COC, TPB, mPA
 QAQC Samples Collected: _____

Notes: _____



Groundwater Sampling Form

Well No. MW-124

Client: CHEVRON
 Project: 2nd SA 2009
 Project No.: 500-017-012

Well Condition: GOOD
 Geologist: JHALL D BARRETT
 Date: 11-10-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 90.4
 Depth to Water: 82.61
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 7.79
 Casing Volume (Water Column x Gallons per foot): 1.25
 Purge Volume (3 x Casing Volume): 3.74

Purge Information

Purge Start Time: 1155
 Purge Method: LOW FLOW
 Flow Rate: .4 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 1205 | 12.0 | 7.41 | 803.2 | 15.03 | 6.66 | 34 | 367.8 |
| 1210 | 13.0 | 7.31 | 812.6 | 15.46 | 6.38 | 43 | 268.1 |
| 1215 | 14.0 | 7.26 | 814.6 | 15.59 | 6.37 | 45 | 324.6 |
| 1220 | 15.0 | 7.23 | 810.3 | 15.38 | 6.39 | 45 | 347.4 |
| 1225 | 16.0 | 7.19 | 816.7 | 15.65 | 6.34 | 45 | 79.0 |
| 1230 | 17.0 | 7.17 | 819.2 | 15.76 | 6.28 | 45 | 32.5 |
| 1235 | 18.0 | 7.23 | 819.0 | 15.79 | 6.34 | 45 | 3.4 |
| 1240 | 19.0 | 7.39 | 809.7 | 15.84 | 6.56 | 43 | 2.9 |
| 1245 | 20.0 | 7.42 | 809.0 | 15.86 | 6.67 | 43 | 2.9 |

Purge Finish Time: 1245
 Total Volume Purged: 20.0
 Final Depth to Water: 82.64

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1245
 Analytical Suite Collected: COC DIS METALS
 QAQC Samples Collected: NONE

Notes: _____



Groundwater Sampling Form

Well No. MW-485

Client: Cherun
 Project: 500 225A2009
 Project No.: 500-017-012

Well Condition: (Good)
 Geologist: S.H.H.
 Date: 11-12-05

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 26.95
 Depth to Water: 22.40
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 6.55
 Casing Volume (Water Column x Gallons per foot): 1.05
 Purge Volume (3 x Casing Volume): 3.14

Purge Information

Purge Start Time: 1235
 Purge Method: Low Flow
 Flow Rate: 32 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1245 | 6.5 | 6.88 | 797.1 | 20.44 | 0.08 | -138 | 82 |
| 1250 | 7.5 | 6.81 | 824.1 | 20.48 | 0.08 | -138 | 60.8 |
| 1255 | 8.5 | 6.77 | 837.9 | 20.61 | 0.08 | -139 | 31.1 |
| 1300 | 9.5 | 6.76 | 839.0 | 21.03 | 0.07 | -140 | 23.0 |
| 1305 | 10.5 | 6.75 | 845.0 | 20.60 | 0.07 | -142 | 12.7 |
| 1310 | 11.5 | 6.75 | 842.6 | 21.06 | 0.06 | -144 | 9.2 |
| 1315 | 12.5 | 6.74 | 844.7 | 20.99 | 0.05 | -145 | 6.0 |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1315
 Total Volume Purged: 12.5
 Final Depth to Water: 22.42

Sampling Information

Wellhead Gas Measurements: 395 (77.0)
 Sample Collection Time: 1315
 Analytical Suite Collected: COC
 QAQC Samples Collected: None

Notes: Spec (Cherun) on purge water



Groundwater Sampling Form

Well No. ML-262

Client: Chevron
Project: Q2 SA 2009
Project No. 500-017-012

Well Condition: Good
Geologist: S.H.H.
Date: 11-12-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 52.05
Depth to Water: 40.70
Depth to Product: ND
Casing Diameter: 2"
Water Column: 11.35
Casing Volume (Water Column x Gallons per foot): 1.82
Purge Volume (3 x Casing Volume): 5.45

Purge Information

Purge Start Time: 1130
Purge Method: Low Flow
Flow Rate: .3 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|-------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 11:40 | 5.0 | 7.19 | 672.2 | 19.19 | 1.02 | -10 | 43.5 |
| 11:45 | 6.0 | 7.19 | 677.5 | 19.71 | 0.85 | -17 | 28.1 |
| 11:50 | 7.25 | 7.18 | 686.9 | 20.24 | 0.78 | -21 | 19.8 |
| 11:55 | 8.25 | 7.18 | 690.6 | 20.65 | 0.62 | -29 | 10.2 |
| 12:00 | 9.5 | 7.18 | 692.9 | 20.82 | 0.57 | -33 | 7.6 |
| 12:05 | 10.5 | 7.18 | 692.0 | 20.82 | 0.55 | -34 | 7.1 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1205
Total Volume Purged: 10.5
Final Depth to Water: 40.71

Sampling Information

Wellhead Gas Measurements: 0.0
Sample Collection Time: 1205
Analytical Suite Collected: COC
QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. 1-38

Client: Chescon
Project: 22 SA2009
Project No.: 500-017-012

Well Condition: Good
Geologist: F.H.H.
Date: 11-12-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth:
Depth to Water: 23.60
Depth to Product: 23.59
Casing Diameter: 2"
Water Column:
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time:
Purge Method: No Sample No. Purge
Flow Rate:

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|----------------------------|----------------|----|-----------------------|-------------|----|-----|-----------|
| <u>No Sample No. Purge</u> | | | | | | | |

Purge Finish Time:
Total Volume Purged:
Final Depth to Water:

Sampling Information

Wellhead Gas Measurements:
Sample Collection Time:
Analytical Suite Collected:
QAQC Samples Collected:

Notes: No. 1 Well



Groundwater Sampling Form

Well No. MLJ-17

Client: Gherin
 Project: 2-SAR009
 Project No.: 500-017012

Well Condition: Ground Water Sampling from Well
 Geologist: S. Hill
 Date: 11-12-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 39.0
 Depth to Water: 24.67
 Depth to Product: ND
 Casing Diameter: 8"
 Water Column: 14.33
 Casing Volume (Water Column x Gallons per foot): 2.29
 Purge Volume (3 x Casing Volume): 6.88

Purge Information

Purge Start Time: 0920
 Purge Method: Low Flow
 Flow Rate: .26 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 0925 | 3.0 | 7.01 | 760.7 | 13.09 | 0.16 | -111 | 101.7 |
| 0930 | 4.0 | 6.90 | 759.5 | 12.98 | 0.12 | -108 | 80.9 |
| 0935 | 5.0 | 6.80 | 771.4 | 13.52 | 0.20 | -105 | 43.3 |
| 0940 | 6.25 | 6.78 | 768.4 | 12.88 | 0.20 | -103 | 33.2 |
| 0945 | 7.5 | 6.76 | 792.2 | 13.78 | 0.19 | -101 | 17.6 |
| 0950 | 8.5 | 6.75 | 804.2 | 14.11 | 0.15 | -100 | 17.4 |
| 0955 | 9.5 | 6.75 | 810.1 | 14.30 | 0.13 | -100 | 11.2 |
| 1000 | 10.5 | 6.75 | 810.3 | 14.27 | 0.12 | -99 | 12.1 |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1000
 Total Volume Purged: 10.5
 Final Depth to Water: 24.67

Sampling Information

Wellhead Gas Measurements: 22.1
 Sample Collection Time: 1000
 Analytical Suite Collected: COC
 QAQC Samples Collected: BDL 11/20/09

Notes: _____



Groundwater Sampling Form

Well No. MW-64

Client: CHEVRON
Project: M.S.A. Groundwater 2009
Project No. 500-017-012

Well Condition: GOOD
Geologist: D. BARLETT
Date: 11-16-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 30.1
 Depth to Water: 17.34
 Depth to Product: ND
 Casing Diameter: 4"
 Water Column: 12.74
 Casing Volume (Water Column x Gallons per foot): 8.29
 Purge Volume (3 x Casing Volume): 24.8

Purge Information

Purge Start Time: 1250
 Purge Method: LOW FLOW
 Flow Rate: 32 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|-------|------|-----------|
| 1300 | 7.0 | 6.74 | 770.8 | 15.65 | 0.07 | -234 | 121.3 |
| 1305 | 8.25 | 6.72 | 774 | 15.75 | 0.05 | -239 | 110.9 |
| 1310 | 9.75 | 6.72 | 777.8 | 15.88 | 0.01 | -244 | 98.5 |
| 1315 | 10.75 | 6.71 | 780.3 | 15.97 | 0.01 | -248 | 97.5 |
| 1320 | 12.0 | 6.71 | 783.8 | 16.08 | 0.00 | -251 | 81.2 |
| 1325 | 13.0 | 6.71 | 787.1 | 16.21 | 0.00 | -254 | 76.9 |
| 1330 | 14.0 | 6.71 | 788.4 | 16.21 | 0.00 | -257 | 63.1 |
| 1335 | 15.0 | 6.72 | 788.5 | 16.18 | -0.01 | -260 | 51.7 |
| 1340 | 16.5 | 6.72 | 792.3 | 16.33 | -0.01 | -262 | 48.9 |
| 1345 | 18.0 | 6.73 | 794.3 | 16.38 | -0.01 | -265 | 43.3 |

Purge Finish Time: _____
 Total Volume Purged: _____
 Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1405
 Analytical Suite Collected: DOC, TP4
 QAQC Samples Collected: NONE

Notes: _____



Groundwater Sampling Form

Well No. MW-64

SHEET 2

Client: _____
Project: _____
Project No. _____

Well Condition: _____
Geologist: _____
Date: 11-16-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: _____
Depth to Water: _____
Depth to Product: _____
Casing Diameter: _____
Water Column: _____
Casing Volume (Water Column x Gallons per foot): _____
Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: _____
Purge Method: _____
Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|-------------|----------------|-------------|-----------------------|--------------|--------------|-------------|-------------|
| <u>1350</u> | <u>19.5</u> | <u>6.74</u> | <u>795.8</u> | <u>16.40</u> | <u>-0.02</u> | <u>-267</u> | <u>42.2</u> |
| <u>1355</u> | <u>21.0</u> | <u>6.75</u> | <u>797.5</u> | <u>16.44</u> | <u>-0.02</u> | <u>-269</u> | <u>36.4</u> |
| <u>1400</u> | <u>22.5</u> | <u>6.75</u> | <u>798.5</u> | <u>16.50</u> | <u>-0.02</u> | <u>-271</u> | <u>32.9</u> |
| <u>1405</u> | <u>24.0</u> | <u>6.76</u> | <u>798.8</u> | <u>16.47</u> | <u>-0.02</u> | <u>-273</u> | <u>30.4</u> |
| | | | | | | | |
| | | | | | | | |
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| | | | | | | | |

Purge Finish Time: _____
Total Volume Purged: _____
Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: _____
Sample Collection Time: 1405
Analytical Suite Collected: _____
QAQC Samples Collected: _____

Notes: _____



Groundwater Sampling Form

Well No. MW-80

Client: CHEVRON
Project: 2ND S.A. Groundwater 2009
Project No. 500-017-012

Well Condition: GOOD
Geologist: D BARRETT
Date: 11-16-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 40.15
 Depth to Water: 25.86
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 14.29
 Casing Volume (Water Column x Gallons per foot): 2.29
 Purge Volume (3 x Casing Volume): 6.86

Purge Information

Purge Start Time: 1020
 Purge Method: Low Flow
 Flow Rate: .25 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1030 | 5.0 | 6.88 | 836.7 | 15.70 | 0.05 | -250 | 139 |
| 1035 | 6.0 | 6.82 | 847.3 | 15.88 | 0.06 | -251 | 92.9 |
| 1040 | 7.5 | 6.79 | 853.7 | 15.93 | 0.08 | -253 | 53.6 |
| 1045 | 8.5 | 6.77 | 859.1 | 15.99 | 0.07 | -253 | 39.1 |
| 1050 | 9.5 | 6.75 | 865.4 | 16.22 | 0.05 | -254 | 29.6 |
| 1055 | 10.5 | 6.75 | 865.2 | 16.13 | 0.03 | -254 | 29.2 |
| 1100 | 11.5 | 6.74 | 867.2 | 16.21 | 0.03 | -255 | 41.1 |
| 1105 | 12.5 | 6.73 | 874.4 | 16.40 | 0.03 | -255 | 28.5 |
| 1110 | 13.5 | 6.73 | 876.0 | 16.40 | 0.03 | -255 | 23.6 |
| 1115 | 14.5 | 6.73 | 877.7 | 16.41 | 0.02 | -255 | 20.8 |

Purge Finish Time: 1125
 Total Volume Purged: 16.25
 Final Depth to Water: 25.86

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1125
 Analytical Suite Collected: COC, TPH
 QAQC Samples Collected: MS/MSD

Notes: _____



Groundwater Sampling Form

Well No. MW-80

SHEET 2

Client: _____

Well Condition: _____

Project: _____

Geologist: _____

Project No. _____

Date: 11-16-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: _____

Depth to Water: _____

Depth to Product: _____

Casing Diameter: _____

Water Column: _____

Casing Volume (Water Column x Gallons per foot): _____

Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: _____

Purge Method: _____

Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|-------------|----------------|-------------|-----------------------|--------------|-------------|-------------|-------------|
| <u>1120</u> | <u>15.5</u> | <u>6.72</u> | <u>878.4</u> | <u>16.35</u> | <u>0.01</u> | <u>-254</u> | <u>20.1</u> |
| <u>1125</u> | <u>16.5</u> | <u>6.73</u> | <u>879.3</u> | <u>16.34</u> | <u>0.01</u> | <u>-255</u> | <u>20.5</u> |
| | | | | | | | |
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| | | | | | | | |
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| | | | | | | | |
| | | | | | | | |

Purge Finish Time: _____

Total Volume Purged: _____

Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: _____

Sample Collection Time: 1125

Analytical Suite Collected: _____

QAQC Samples Collected: _____

Notes: _____



Groundwater Sampling Form

Well No. MW-35

Client: Chescon
 Project: Monthly (1) Quad Nov. 2009
 Project No. 500-017-012

Well Condition: Good
 Geologist: S. H. D. Barrett
 Date: 11-17-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 51.65
 Depth to Water: 43.31
 Depth to Product: NO
 Casing Diameter: 2"
 Water Column: 8.34
 Casing Volume (Water Column x Gallons per foot): 1.33
 Purge Volume (3 x Casing Volume): 4.0

Purge Information

Purge Start Time: 12:50
 Purge Method: Low Flow
 Flow Rate: 22 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|-------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 13:00 | 3.0 | 7.28 | 818.1 | 15.78 | 6.56 | 59 | 184.5 |
| 13:05 | 4.0 | 7.26 | 834.8 | 16.73 | 5.62 | 40 | 53.9 |
| 13:10 | 5.0 | 7.24 | 841.0 | 16.96 | 5.04 | 52 | 15.3 |
| 13:15 | 6.0 | 7.23 | 834.4 | 16.68 | 4.53 | 43 | 6.3 |
| 13:20 | 7.0 | 7.22 | 837.4 | 16.89 | 4.18 | 85 | 3.5 |
| 13:25 | 8.0 | 7.21 | 839.7 | 16.90 | 4.17 | 91 | 2.7 |
| 13:30 | 9.0 | 7.21 | 840.1 | 16.91 | 4.22 | 91 | 1.8 |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 13:30
 Total Volume Purged: 9.0
 Final Depth to Water: 43.31

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 13:30
 Analytical Suite Collected: VOC
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. 111-133

Client: Chevron
 Project: Monthly Site Remediation
 Project No. 500-017-012

Well Condition: Good
 Geologist: J. H. D. Barrett
 Date: 11-17-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 50.50
 Depth to Water: 43.59
 Depth to Product: NO
 Casing Diameter: 2"
 Water Column: 6.91
 Casing Volume (Water Column x Gallons per foot): 1.11
 Purge Volume (3 x Casing Volume): 3.32

Purge Information

Purge Start Time: 10:30
 Purge Method: Low Flow
 Flow Rate: 35 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|-------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 11:05 | 10.0 | 7.58 | 865.9 | 15.43 | 7.89 | 235 | 2038 |
| 11:10 | 12.0 | 7.43 | 904.9 | 16.95 | 2.31 | 252 | 4010 |
| 11:15 | 13.0 | 7.41 | 883.0 | 16.28 | 1.34 | 259 | 199.2 |
| 11:20 | 14.0 | 7.38 | 902.5 | 17.12 | 1.28 | 261 | 92.1 |
| 11:25 | 15.0 | 7.35 | 906.4 | 17.24 | 1.12 | 263 | 43.9 |
| 11:30 | 16.0 | 7.33 | 912.4 | 17.43 | 1.08 | 261 | 22.1 |
| 11:35 | 17.0 | 7.35 | 903.2 | 17.32 | 0.94 | 260 | 16.9 |
| 11:40 | 18.0 | 7.34 | 906.2 | 17.60 | 0.92 | 258 | 9.8 |
| 11:45 | 19.0 | 7.34 | 900.3 | 17.61 | 0.89 | 258 | 8.9 |

Purge Finish Time: 11:45
 Total Volume Purged: 19.0
 Final Depth to Water: 43.59

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 11:45
 Analytical Suite Collected: UOC
 QAQC Samples Collected: ES-1, 111709 @ 0.025

Notes: _____



Groundwater Sampling Form

Well No. MD-142

Client: CHEKON
Project: MONTHLY S.W. QUAD NOV 2009
Project No. 500-017-012

Well Condition: Good H.C. Odor
Geologist: J. Hill D. Barrett
Date: 11-18-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 52.90
 Depth to Water: 47.65
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 5.25
 Casing Volume (Water Column x Gallons per foot): .84
 Purge Volume (3 x Casing Volume): 2.52

Purge Information

Purge Start Time: 1350
 Purge Method: LOW FLOW
 Flow Rate: .38 L/MIN

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1400 | 6.0 | 6.98 | 718.4 | 15.57 | 0.13 | -103 | 23.4 |
| 1405 | 7.5 | 6.92 | 726.3 | 16.01 | 0.10 | -103 | 16.3 |
| 1410 | 9.0 | 6.90 | 725.2 | 15.93 | 0.08 | -105 | 3.6 |
| 1415 | 10.25 | 6.89 | 727.3 | 16.06 | 0.07 | -107 | 3.4 |
| 1420 | 11.5 | 6.88 | 727.4 | 16.07 | 0.06 | -108 | 3.2 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1420
 Total Volume Purged: 11.5
 Final Depth to Water: 47.65

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1420
 Analytical Suite Collected: VOC's
 QAQC Samples Collected: NONE

Notes: H.C. Odor



Groundwater Sampling Form

Well No. MLJ-139

Client: Chescon
 Project: MLJ SWD Qued Nov. 2009
 Project No.: 500-017-012

Well Condition: Good
 Geologist: J. M. P. Barrett
 Date: 11-18-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 50.0
 Depth to Water: 40.97
 Depth to Product: 100
 Casing Diameter: 2"
 Water Column: 9.03
 Casing Volume (Water Column x Gallons per foot): 1.44
 Purge Volume (3 x Casing Volume): 4.33

Purge Information

Purge Start Time: 10:10
 Purge Method: Low Flow
 Flow Rate: .45 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1020 | 10 | 6.89 | 804.1 | 15.32 | 0.13 | -119 | 191.3 |
| 1025 | 11.0 | 6.87 | 808.1 | 15.55 | 0.11 | -120 | 46.2 |
| 1030 | 12.0 | 6.87 | 810.5 | 15.65 | 0.09 | -122 | 17.2 |
| 1035 | 13.5 | 6.86 | 808.2 | 15.53 | 0.07 | -124 | 8.0 |
| 1040 | 15.0 | 6.84 | 812.2 | 15.74 | 0.06 | -125 | 4.9 |
| 1045 | 16.5 | 6.86 | 807.4 | 15.49 | 0.05 | -126 | 3.1 |
| 1050 | 18.0 | 6.87 | 805.7 | 15.42 | 0.05 | -126 | 3.1 |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1050
 Total Volume Purged: 18.0
 Final Depth to Water: 40.97

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1050
 Analytical Suite Collected: VOC
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form
Well No. MW-138

Client: Chevron
Project: Monthly SW Quad No. 0009
Project No.: 500-017-012

Well Condition: Good
Geologist: Shil D. Barrett
Date: 11-18-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 50.0
Depth to Water: 41.09
Depth to Product: ND
Casing Diameter: 2"
Water Column: 8.91
Casing Volume (Water Column x Gallons per foot): 1.43
Purge Volume (3 x Casing Volume): 4.28

Purge Information

Purge Start Time: 0930
Purge Method: Low-Flow
Flow Rate: .5 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 0940 | 11.0 | 7.04 | 778.8 | 15.15 | 0.14 | -25 | 338.0 |
| 0945 | 12.5 | 6.85 | 791.3 | 16.02 | 0.05 | -47 | 58.1 |
| 0950 | 14.0 | 6.80 | 792.9 | 16.25 | 0.04 | -52 | 16.9 |
| 0955 | 15.5 | 6.78 | 792.3 | 16.33 | 0.05 | -55 | 5.9 |
| 1000 | 17.0 | 6.78 | 787.6 | 16.25 | 0.05 | -58 | 4.1 |
| 1005 | 18.5 | 6.78 | 790.6 | 16.31 | 0.05 | -59 | 3.2 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1005
Total Volume Purged: 18.5
Final Depth to Water: 41.09

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1005
Analytical Suite Collected: UOC
QAQC Samples Collected: None

Notes: _____



For Lancaster Laboratories use only
 Acct. # _____ Group# _____ Sample # _____

COC # 211763

Please print. Instructions on reverse side correspond with circled numbers.

1 Client: CHEVON Acct. #: 11494
 Project Name #: MONTHLY SURVEIL NOV 09 PWSID #: 101700420
 Project Manager: DOUG LAM P.O.#: _____
 Sampler: JIM HALL Quote #: _____
 Name of state where samples were collected: OHIO

5 Analyses Requested

| Preservation Codes | Preservation Codes | Preservation Codes | Preservation Codes | Preservation Codes | Preservation Codes | Preservation Codes | Preservation Codes | Preservation Codes | Preservation Codes |
|----------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| H=HCl | T=Thiosulfate | | | | | | | | |
| N=HNO ₃ | B=NaOH | | | | | | | | |
| S=H ₂ SO ₄ | O=Other | | | | | | | | |

Temperature of samples (upon receipt if requested) **6**

4 Matrix

| Soil | Water | Other | Total # of Containers | Preservation Codes | Preservation Codes | Preservation Codes | Preservation Codes | Preservation Codes | Preservation Codes |
|--|--------------------------------|--------------------------------|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| <input type="checkbox"/> Potable | <input type="checkbox"/> NPDES | <input type="checkbox"/> Other | | | | | | | |
| <input type="checkbox"/> Check if Applicable | | | | | | | | | |

3 Grab

| Sample Identification | Date Collected | Time Collected | Composite | Soil | Water | Other | Total # of Containers | Preservation Codes | Preservation Codes | Preservation Codes | Preservation Codes | Preservation Codes | Preservation Codes | Preservation Codes | Preservation Codes | Preservation Codes | Preservation Codes | Preservation Codes | |
|-----------------------|----------------|----------------|-----------|------|-------|-------|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--|
| MW-138 111709 | 11-17-09 | 1145 | X | | X | | 3 | X | | | | | | | | | | | |
| EB-1 111709 | 11-17-09 | 0905 | X | | X | | 3 | X | | | | | | | | | | | |
| MW-35 111709 | 11-17-09 | 1330 | X | | X | | 3 | X | | | | | | | | | | | |
| MW-138 111809 | 11-18-09 | 1005 | X | | X | | 3 | X | | | | | | | | | | | |
| MW-138 111809 | 11-18-09 | 1050 | X | | X | | 3 | X | | | | | | | | | | | |
| MW-142 111809 | 11-18-09 | 1420 | X | | X | | 3 | X | | | | | | | | | | | |
| TRP BLANK 111909 | 11-19-09 | 1430 | X | | X | | 2 | X | | | | | | | | | | | |

7 Turnaround Time Requested (TAT) (please circle): Normal Rush
 (Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
 Date results are needed: _____
 Rush results requested by (please circle): Phone _____ Fax _____ E-mail _____
 Phone #: 513-353-1323 Fax #: 513-353-4604
 E-mail address: MMITZHELLO@TH.HALL.COM

8 Data Package Options (please circle if required)

| | | | | |
|----------------------------|--------------------------------|---------------|-----|----|
| Type I (validation/NJ Reg) | TX TRRP-13 | SDG Complete? | Yes | No |
| Type II (Tier II) | MA MCP | | | |
| Type III (Reduced NJ) | CT RCP | | | |
| Type IV (CLP SOW) | Site-specific QC (MS/MSD/Dup)? | | Yes | No |
| Type VI (Raw Data Only) | Internal COC Required? | | Yes | No |

(If yes, indicate QC sample and submit triplicate volume.)

9

| Relinquished by: | Date | Time | Received by: | Date | Time |
|------------------|------|------|--------------|------|------|
| <u>DATE FORW</u> | | | | | |
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6

Remarks: SEE ATTACHED ANALYTE LIST
QC. SUMMARY DATA PACKAGE



Groundwater Sampling Form

Well No. M61-129

Client: Chevron
 Project: 2nd SA 8009
 Project No. 500-0170

Well Condition: Good
 Geologist: J. M. D. Barrett
 Date: 11-19-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 85.35
 Depth to Water: 81.40
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 3.95
 Casing Volume (Water Column x Gallons per foot): .632
 Purge Volume (3 x Casing Volume): 1.90

Purge Information

Purge Start Time: 1315
 Purge Method: Low Flow
 Flow Rate: .5 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 1325 | 12.0 | 7.33 | 941.8 | 14.18 | 6.14 | -6 | 202.6 |
| 1330 | 14.0 | 7.22 | 961.9 | 14.85 | 6.21 | 11 | 1110.5 |
| 1335 | 16.0 | 7.14 | 971.8 | 15.77 | 6.10 | 20 | 142.2 |
| 1340 | 17.75 | 7.11 | 973.4 | 15.79 | 6.07 | 22 | 65.1 |
| 1345 | 19.50 | 7.08 | 978.8 | 15.95 | 6.06 | 24 | 43.7 |
| 1350 | 21.0 | 7.07 | 982.8 | 16.14 | 6.04 | 26 | 30.9 |
| 1355 | 23.0 | 7.05 | 985.9 | 16.22 | 6.04 | 27 | 27.7 |
| 1400 | 24.5 | 7.04 | 986.1 | 16.20 | 6.11 | 29 | 25.3 |
| 1405 | 26.0 | 7.03 | 986.1 | 16.19 | 6.08 | 29 | 27.2 |

Purge Finish Time: 1405
 Total Volume Purged: 26
 Final Depth to Water: 81.40

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1405
 Analytical Suite Collected: VOC/DSS/As/Ph
 QAQC Samples Collected: FIELD BLANK, 111909 @ 1350

Notes: _____



Groundwater Sampling Form

Well No. MW-935

Client: Chow
 Project: 222-548009
 Project No. 300-07-02

Well Condition: Good
 Geologist: Will D. Berrett
 Date: 11-19-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 71.65
 Depth to Water: 67.46
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 4.19
 Casing Volume (Water Column x Gallons per foot): .67
 Purge Volume (3 x Casing Volume): 2.01

Purge Information

Purge Start Time: 9:20
 Purge Method: Low Flow
 Flow Rate: .35/gpm

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 0935 | 9.0 | 6.92 | 1254 | 17.40 | 0.10 | -114 | 77.2 |
| 0940 | 10.0 | 6.84 | 1191 | 16.74 | 0.09 | -115 | 17.3 |
| 0945 | 11.0 | 6.82 | 1211 | 16.12 | 0.14 | -116 | 14.3 |
| 0950 | 12.0 | 6.80 | 1244 | 16.52 | 0.14 | -116 | 10.9 |
| 0955 | 13.0 | 6.79 | 1278 | 17.72 | 0.14 | -117 | 9.7 |
| 1000 | 14.5 | 6.75 | 1312 | 19.09 | 0.13 | -117 | 4.6 |
| 1005 | 16.0 | 6.74 | 1294 | 19.21 | 0.11 | -118 | 3.1 |
| 1010 | 17.5 | 6.73 | 1290 | 19.20 | 0.11 | -118 | 3.4 |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 10:10
 Total Volume Purged: 17.5
 Final Depth to Water: 67.46

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 10:10
 Analytical Suite Collected: CO, TH, MNA
 QAQC Samples Collected: 1 NONE

Notes: SHEETS ON PURGE WATER



Groundwater Sampling Form

Well No. 11-815

Client: Chevron
Project: 4th SADDON
Project No. 50-017-012

Well Condition: Good
Geologist: M. D. Barrett
Date: 11-19-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: OP
Depth to Water: 46.36
*Depth to Product: 46.35
Casing Diameter: 0"
Water Column: _____
Casing Volume (Water Column x Gallons per foot): _____
Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: _____
Purge Method: _____
Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|----|-----------------------|-------------|----|-----|-----------|
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Purge Finish Time: _____
Total Volume Purged: _____
Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: _____
Sample Collection Time: _____
Analytical Suite Collected: _____
QAQC Samples Collected: _____

Notes: H.C. in well no sample



Groundwater Sampling Form

Well No. MR-130

Client: Chevron
Project: 2nd SAAW09
Project No. 500-017-012

Well Condition: Good
Geologist: Shirley D. Barrett
Date: 11-19-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 64.95
Depth to Water: 62.91
Depth to Product: 64.95 110
Casing Diameter: 2"
Water Column: 2.04

Casing Volume (Water Column x Gallons per foot): _____
Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: _____
Purge Method: _____
Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|----|-----------------------|-------------|----|-----|-----------|
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Purge Finish Time: _____
Total Volume Purged: _____
Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: _____
Sample Collection Time: _____
Analytical Suite Collected: _____
QAQC Samples Collected: _____

Notes: Inserting Map for Sample



Groundwater Sampling Form

Well No. MJ-113

Client: Chevron
Project: 2nd SA 2009
Project No. 500-617-012

Well Condition: Good
Geologist: J. Hill D. Barrett
Date: 11-19-09

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Well Information

Total Depth: _____
Depth to Water: _____
Depth to Product: _____
Casing Diameter: _____
Water Column: _____
Casing Volume (Water Column x Gallons per foot): _____
Purge Volume (3 x Casing Volume): _____

**Insufficient H₂O*
80.35 No Sample 80.35
79.31 77.77
80.35 NO
8"
1.04
12/28/09

Purge Information

Purge Start Time: _____
Purge Method: No Sample
Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------------------|----------------|----|-----------------------|-------------|----|-----|-----------|
| <u>No Sample</u> | | | | | | | |
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Purge Finish Time: _____
Total Volume Purged: _____
Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: _____
Sample Collection Time: 1325 on 12/28/09
Analytical Suite Collected: VOG metals
QAQC Samples Collected: _____

Notes: sample collected w/ bailer due to lack of water & recovery on 12/28/09



Groundwater Sampling Form

Well No. MW-51

Client: CHEVRON
Project: 2ND SEMI ANNUAL 2009
Project No. 500-017-012

Well Condition: GOOD
Geologist: D. BARRETT
Date: 12-2009

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 32.45
 Depth to Water: 23.02
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 9.43
 Casing Volume (Water Column x Gallons per foot): 1.51
 Purge Volume (3 x Casing Volume): 4.53

Purge Information

Purge Start Time: 940
 Purge Method: LOW FLOW
 Flow Rate: .31 L/MIN

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 950 | 5.0 | 7.28 | 616.2 | 17.46 | 0.15 | -59 | 0.6 |
| 955 | 6.0 | 7.26 | 618.7 | 17.62 | 0.12 | -72 | 0.2 |
| 1000 | 7.5 | 7.25 | 619 | 17.60 | 0.10 | -84 | 0.1 |
| 1005 | 9.0 | 7.26 | 615.3 | 16.97 | 0.08 | -95 | 0.1 |
| 1010 | 10.5 | 7.32 | 583.6 | 16.0 | 0.08 | -98 | 0.0 |
| 1015 | 11.5 | 7.32 | 547.7 | 15.5 | 0.11 | -100 | 0.1 |
| 1020 | 12.5 | 7.32 | 545.2 | 15.5 | 0.11 | -100 | 0.0 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1020
 Total Volume Purged: 12.5
 Final Depth to Water: 23.02

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1020
 Analytical Suite Collected: CO2, TPH, MNA
 QA/QC Samples Collected: None

Notes: RAIN 50°F



Groundwater Sampling Form

Well No. MW-33

Client: CHEURON
 Project: 2ND SEM ANNUAL 2009
 Project No. 500-017-02

Well Condition: Good
 Geologist: D. BARRETT
 Date: 12-2-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 40.25
 Depth to Water: 26.63
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 13.62
 Casing Volume (Water Column x Gallons per foot): 2.18
 Purge Volume (3 x Casing Volume): 6.53

Purge Information

Purge Start Time: 1305
 Purge Method: Low Flow
 Flow Rate: .23 L/MIN

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1315 | 4.0 | 7.01 | 677.8 | 12.53 | 0.45 | -166 | 217.6 |
| 1320 | 5.0 | 6.97 | 685.4 | 12.98 | 0.18 | -166 | 121.6 |
| 1325 | 5.5 | 6.92 | 691.7 | 13.27 | 0.13 | -166 | 90.2 |
| 1330 | 6.5 | 6.90 | 688.4 | 13.15 | 0.11 | -166 | 71.1 |
| 1335 | 7.5 | 6.88 | 695.7 | 13.50 | 0.10 | -167 | 57.7 |
| 1340 | 8.5 | 6.86 | 698.7 | 13.66 | 0.09 | -167 | 45.4 |
| 1345 | 9.5 | 6.85 | 701.8 | 13.83 | 0.08 | -168 | 36.1 |
| 1350 | 10.5 | 6.85 | 701.4 | 13.77 | 0.07 | -169 | 37.2 |
| 1355 | 11.5 | 6.84 | 700.3 | 14.00 | 0.06 | -170 | 36.5 |

Purge Finish Time: 1355
 Total Volume Purged: 11.5
 Final Depth to Water: 26.43

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1355
 Analytical Suite Collected: COC, TPH, MNA
 QAQC Samples Collected: NONE

Notes: RAIN 50°F



Groundwater Sampling Form

Well No. 1-1R

Client: CHEVRON
Project: 2ND SEMI ANNUAL 2009
Project No. 500-017-012

Well Condition: GOOD
Geologist: D. BARLET
Date: 12-3-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 35.3
 Depth to Water: 26.72
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 8.58
 Casing Volume (Water Column x Gallons per foot): 1.37
 Purge Volume (3 x Casing Volume): 4.12

Purge Information

Purge Start Time: 1207
Purge Method: Low Flow
Flow Rate: 0.2 L/MIN

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------------|------|-----------------------|-------------|------|------|-----------|
| 1217 | 5.0 | 6.77 | 789.0 | 14.61 | 0.09 | -109 | 2576.1 |
| 1222 | 6.0 | 6.72 | 789.5 | 14.42 | 0.04 | -111 | 1487.8 |
| 1227 | 7.0 | 6.69 | 780.5 | 14.05 | 0.09 | -114 | 1039.0 |
| 1232 | 8.0 | 6.68 | 783.8 | 14.34 | 0.08 | -117 | 579.0 |
| 1237 | 9.0 | 6.68 | 781.2 | 14.19 | 0.07 | -119 | 404.4 |
| 1242 | 10.0 | 6.69 | 791.2 | 14.72 | 0.08 | -121 | 339.1 |
| 1247 | 11.0 | 6.68 | 795.2 | 14.90 | 0.06 | -122 | 262.0 |
| 1252 | 12.0 | 6.69 | 786.0 | 14.36 | 0.04 | -123 | 176.0 |
| 1257 | 13.0 | 6.69 | 803.0 | 15.27 | 0.02 | -125 | 127.9 |
| 1302 | 14.5 14.5 | 6.69 | 809.9 | 15.55 | 0.03 | -126 | 78.1 |

Purge Finish Time: 1345
Total Volume Purged: 24.0
Final Depth to Water: 26.72

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: _____
Analytical Suite Collected: COC, TPH, MPA
QAQC Samples Collected: EB-3, 120309 @ 9m, BD-3, 120309

Notes: 45°F Cloudy, misty rain at times, H.C. odor



Groundwater Sampling Form

Well No. L-1RR

SHEET 2

Client: _____
 Project: _____
 Project No. _____

Well Condition: _____
 Geologist: _____
 Date: _____

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: _____
 Depth to Water: _____
 Depth to Product: _____
 Casing Diameter: _____
 Water Column: _____
 Casing Volume (Water Column x Gallons per foot): _____
 Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: _____
 Purge Method: _____
 Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1307 | 16.0 | 6.49 | 808.9 | 15.49 | 0.02 | -127 | 67.9 |
| 1312 | 17.5 | 6.69 | 809.5 | 15.47 | 0.02 | -127 | 42.7 |
| 1317 | 19.0 | 6.70 | 808.9 | 15.44 | 0.03 | -130 | 34.0 |
| 1322 | 20.0 | 6.70 | 809.8 | 15.48 | 0.01 | -131 | 27.4 |
| 1327 | 21.0 | 6.71 | 811.2 | 15.54 | 0.01 | -131 | 27.7 |
| 1332 | 22.0 | 6.71 | 811.4 | 15.54 | 0.01 | -132 | 21.9 |
| 1337 | 23.0 | 6.71 | 807.4 | 15.32 | 0.01 | -133 | 20.6 |
| 1342 | 24.0 | 6.72 | 813.2 | 15.58 | 0.01 | -134 | 20.6 |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1342
 Total Volume Purged: 24
 Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: _____
 Sample Collection Time: 1345
 Analytical Suite Collected: _____
 QAQC Samples Collected: _____

Notes: _____



Groundwater Sampling Form

Well No. MW-10

Client: CHEVRON
 Project: 2ND SEMI ANNUAL 2009
 Project No. 500-017-012

Well Condition: GOOD
 Geologist: D. BARRETT + J. THOMAS
 Date: 12-7-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 50.8
 Depth to Water: 44.15
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 6.65
 Casing Volume (Water Column x Gallons per foot): 1.06
 Purge Volume (3 x Casing Volume): 3.19

Purge Information

Purge Start Time: 13:00
 Purge Method: LOW FLOW
 Flow Rate: .25 L/MIN

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1320 | 4.0 | 6.94 | 661.4 | 16.82 | 0.22 | -255 | 268.3 |
| 1325 | 5.25 | 6.88 | 666.2 | 17.88 | 0.19 | -257 | 73.6 |
| 1330 | 7.0 | 6.87 | 655.3 | 17.73 | 0.16 | -263 | 28.8 |
| 1335 | 8.0 | 6.90 | 640.5 | 16.75 | 0.15 | -267 | 14.6 |
| 1340 | 9.0 | 6.94 | 627.7 | 15.93 | 0.16 | -271 | 12.5 |
| 1345 | 10.0 | 6.95 | 626.6 | 15.85 | 0.16 | -272 | 11.4 |
| 1350 | 10.5 | 6.97 | 614.1 | 14.98 | 0.17 | -274 | 10.3 |
| 1355 | 11.5 | 6.94 | 643.3 | 16.91 | 0.15 | -274 | 7.8 |
| 1400 | 12.5 | 6.93 | 642.0 | 16.78 | 0.15 | -274 | 6.2 |
| 1405 | 13.5 | 6.93 | 647.0 | 17.0 | 0.13 | -275 | 6.2 |

Purge Finish Time: 1405
 Total Volume Purged: 13.5
 Final Depth to Water: 44.15

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1405
 Analytical Suite Collected: CO2
 QAQC Samples Collected: NONE

Notes: H.C. ODOR



Groundwater Sampling Form

Well No. M.W. 38

Client: CHEVRON

Well Condition: GOOD

Project: 2ND SEMI ANNUAL 2009

Geologist: D. BARRETT & J. THOMAS

Project No. 500-017-012

Date: 12-8-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 39.6

Depth to Water: 28.25

Depth to Product: ND

Casing Diameter: 2"

Water Column: 11.35

Casing Volume (Water Column x Gallons per foot): 1.82

Purge Volume (3 x Casing Volume): 5.45

Purge Information

Purge Start Time: 9:05

Purge Method: Low Flow

Flow Rate: .29 L/MIN

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|-------|----------------|------|-----------------------|-------------|------|------|-----------|
| 9:15 | 9.5 | 6.80 | 668.5 | 11.92 | 0.18 | -211 | 897.6 |
| 9:20 | 10.5 | 6.71 | 789.7 | 12.84 | 0.20 | -212 | 1422.6 |
| 9:25 | 11.5 | 6.70 | 8278 | 15.77 | 0.10 | -217 | 438.3 |
| 9:30 | 12.5 | 6.72 | 7366 | 13.77 | 0.14 | -223 | 414.1 |
| 9:35 | 14.0 | 6.68 | 8436 | 14.96 | 0.10 | -224 | 178.7 |
| 9:40 | 15.0 | 6.69 | 8264 | 14.92 | 0.08 | -226 | 138.7 |
| 9:45 | 16.0 | 6.69 | 8199 | 14.53 | 0.08 | -228 | 89.5 |
| 9:50 | 17.0 | 6.68 | 8350 | 14.27 | 0.07 | -230 | 85.5 |
| 9:55 | 18.25 | 6.68 | 8290 | 14.62 | 0.10 | -231 | 89.0 |
| 10:00 | 19.0 | 6.73 | 7230 | 14.67 | 0.07 | -236 | 41 |

Purge Finish Time: 10:35

Total Volume Purged: 26

Final Depth to Water: 28.25

Sampling Information

Wellhead Gas Measurements: NONE

Sample Collection Time: 10:35

Analytical Suite Collected: COC, MNA

QAQC Samples Collected: FB-2, 120809 @ 10:25 AM

Notes: _____



Groundwater Sampling Form

Well No. UW-38 SHEET 2

Client: _____
 Project: _____
 Project No. _____

Well Condition: _____
 Geologist: _____
 Date: _____

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: _____
 Depth to Water: _____
 Depth to Product: _____
 Casing Diameter: _____
 Water Column: _____

Casing Volume (Water Column x Gallons per foot): _____
 Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: _____
 Purge Method: _____
 Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1005 | 20 | 6.67 | 8613 | 13.88 | 0.07 | -235 | 53.7 |
| 1010 | 21 | 6.71 | 7946 | 14.25 | 0.06 | -238 | 45.2 |
| 1015 | 22 | 6.72 | 7433 | 14.55 | 0.34 | -240 | 32.7 |
| 1020 | 23 | 6.73 | 7168 | 14.35 | 0.09 | -242 | 26.0 |
| 1025 | 24 | 6.72 | 7302 | 14.14 | 0.09 | -242 | 23.1 |
| 1030 | 25 | 6.72 | 7331 | 13.86 | 0.06 | -244 | 23.9 |
| 1035 | 26 | 6.71 | 7474 | 14.15 | 0.05 | -244 | 25.0 |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: _____
 Total Volume Purged: _____
 Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: _____
 Sample Collection Time: 1035
 Analytical Suite Collected: _____
 QAQC Samples Collected: _____

Notes: _____



Groundwater Sampling Form

Well No. MW-21

Client: CHEVRON
Project: 2ND SEMI ANNUAL 2009
Project No. 500-017-012

Well Condition: GOOD
Geologist: D. BARBER & J. THOMAS
Date: 12-8-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 34.9
 Depth to Water: 28.38
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 6.52
 Casing Volume (Water Column x Gallons per foot): 1.04
 Purge Volume (3 x Casing Volume): 3.13

Purge Information

Purge Start Time: 1250
 Purge Method: Low Flow
 Flow Rate: .29 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1300 | 6.0 | 7.0 | 840.0 | 12.13 | 0.14 | -224 | 363.9 |
| 1305 | 7.5 | 6.84 | 928.3 | 16.13 | 0.09 | -220 | 167.0 |
| 1310 | 8.5 | 6.77 | 895.7 | 14.73 | 0.07 | -218 | 125.8 |
| 1315 | 10.0 | 6.72 | 912.7 | 15.51 | 0.07 | -219 | 67.6 |
| 1320 | 11.0 | 6.70 | 918.3 | 15.72 | 0.06 | -220 | 60.5 |
| 1325 | 12.0 | 6.69 | 916.5 | 15.69 | 0.19 | -220 | 55.9 |
| 1330 | 13.5 | 6.67 | 919.1 | 15.81 | 0.07 | -220 | 40.9 |
| 1335 | 15.0 | 6.67 | 918.8 | 15.80 | 0.06 | -220 | 34.7 |
| 1340 | 16.0 | 6.64 | 918.2 | 15.77 | 0.05 | -221 | 27.9 |
| 1345 | 17.0 | 6.66 | 918.5 | 15.79 | 0.07 | -222 | 19.8 |

Purge Finish Time: 1400
 Total Volume Purged: 20
 Final Depth to Water: 28.38

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1400
 Analytical Suite Collected: COC TH MNA
 QAQC Samples Collected: BD-3/120809

Notes: H.C. ODOR



Groundwater Sampling Form

Well No. MW-21

SHEET 2

Client: _____
 Project: _____
 Project No. _____

Well Condition: _____
 Geologist: _____
 Date: _____

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: _____
 Depth to Water: _____
 Depth to Product: _____
 Casing Diameter: _____
 Water Column: _____
 Casing Volume (Water Column x Gallons per foot): _____
 Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: _____
 Purge Method: _____
 Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|-------|-----------------------|-------------|------|------|-----------|
| 1350 | 18.0 | 6.66 | 907.3 | 15.29 | 0.04 | -223 | 21.6 |
| 1355 | 19.0 | 6.66 | 912.7 | 15.55 | 0.05 | -224 | 20.7 |
| 1400 | 20.0 | 6.106 | 908.3 | 15.34 | 0.03 | -224 | 19.2 |
| | | | | | | | |
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Purge Finish Time: _____
 Total Volume Purged: _____
 Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: _____
 Sample Collection Time: 1400
 Analytical Suite Collected: _____
 QAQC Samples Collected: _____

Notes: _____



Groundwater Sampling Form

Well No. MU-850

Client: Cherem
Project: 2nd SA 2009
Project No. 500-017-012

Well Condition: Good
Geologist: J. Hill
Date: 12-09-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 66.20
 Depth to Water: 17.83
 Depth to Product: ND
 Casing Diameter: 8"
 Water Column: 48.37
 Casing Volume (Water Column x Gallons per foot): 17.74
 Purge Volume (3 x Casing Volume): 23.02

Purge Information

Purge Start Time: 1340
 Purge Method: Low Flow
 Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1350 | 3.5 | 7.73 | 635.8 | 15.32 | 0.59 | -159 | 280.1 |
| 1355 | 4.5 | 7.69 | 622.0 | 14.69 | 0.47 | -163 | 123.1 |
| 1400 | 5.5 | 7.69 | 614.1 | 14.21 | 0.48 | -162 | 170.0 |
| 1405 | 6.5 | 7.69 | 616.7 | 14.20 | 0.48 | -162 | 172.0 |
| 1410 | 7.5 | 7.68 | 613.8 | 14.35 | 0.47 | -161 | 40.1 |
| 1415 | 8.5 | 7.70 | 600.3 | 13.45 | 0.46 | -161 | 30.7 |
| 1420 | 9.5 | 7.72 | 599.7 | 13.54 | 0.45 | -160 | 23.7 |
| 1420 | 10.5 | 7.72 | 598.9 | 13.55 | 0.45 | -160 | 23.9 |
| 1425 | 11.5 | 7.73 | 599.6 | 13.58 | 0.42 | -160 | 22.7 |

Purge Finish Time: 1425
 Total Volume Purged: 11.5
 Final Depth to Water: 17.83

Sampling Information

Wellhead Gas Measurements: none
 Sample Collection Time: 1425
 Analytical Suite Collected: COC
 QAQC Samples Collected: none

Notes: _____



Groundwater Sampling Form

Well No. MW-112

Client: Chevron
 Project: Second Semi Annual 2009
 Project No.: 500-017-012

Well Condition: GOOD
 Geologist: D. BARRETT & J. THOMAS
 Date: 12-9-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 48.65
 Depth to Water: 41.32
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 7.33
 Casing Volume (Water Column x Gallons per foot): 1.17
 Purge Volume (3 x Casing Volume): 3.5

Purge Information

Purge Start Time: 910
 Purge Method: Low Flow
 Flow Rate: .31 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 920 | 5.75 | 7.27 | 606.6 | 16.68 | 0.19 | -241 | 37.8 |
| 925 | 7 | 7.14 | 622.0 | 17.61 | 0.20 | -242 | 17.1 |
| 930 | 8 | 7.10 | 622.9 | 17.57 | 0.17 | -224 | 5.9 |
| 935 | 9 | 7.07 | 625.6 | 17.50 | 0.14 | -247 | 2.1 |
| 940 | 10 | 7.08 | 615.0 | 16.94 | 0.12 | -250 | 1.1 |
| 945 | 11 | 7.07 | 617.6 | 17.07 | 0.11 | -252 | 0 |
| | | | | | | | |
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Purge Finish Time: 945
 Total Volume Purged: 11
 Final Depth to Water: 41.32

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 945
 Analytical Suite Collected: CAC, in VA
 QA/QC Samples Collected: FD-3, 120909 @ 932A

Notes: SLIGHT H.C. ODR



Groundwater Sampling Form

Well No. MW 18R

Client: CHEMUR
Project: 2ND QUARTER ANNUAL 2009
Project No. 500-97-012

Well Condition: _____
Geologist: P. BARNETT
Date: 12-9-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: _____
Depth to Water: 30.77
Depth to Product: 30.77
Casing Diameter: _____
Water Column: _____
Casing Volume (Water Column x Gallons per foot): _____
Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: _____
Purge Method: _____
Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|----|-----------------------|-------------|----|-----|-----------|
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Purge Finish Time: _____
Total Volume Purged: _____
Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: _____
Sample Collection Time: _____
Analytical Suite Collected: _____
QAQC Samples Collected: _____

Notes: DID NOT SAMPLE - TRAILS OF H.C. IN WELL



Groundwater Sampling Form

Well No. MW-57

Client: CHARRON
Project: 201 SEMI ANNUAL 2009
Project No. 500-07-012

Well Condition: _____
Geologist: D. BARRETT
Date: 12-9-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: _____
Depth to Water: _____
Depth to Product: _____
Casing Diameter: _____
Water Column: _____
Casing Volume (Water Column x Gallons per foot): _____
Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: _____
Purge Method: _____
Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|----|-----------------------|-------------|----|-----|-----------|
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Purge Finish Time: _____
Total Volume Purged: _____
Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: _____
Sample Collection Time: _____
Analytical Suite Collected: _____
QAQC Samples Collected: _____

Notes: DID NOT SAMPLE - OIL GLOBULETS ON GAUGING TAPE



Groundwater Sampling Form

Well No. MW-52

Client: CHEVRON
 Project: 2nd Semi ANNUAL 2009
 Project No. 500-017-012

Well Condition: GOOD
 Geologist: D. BARRETT & J. THOMAS
 Date: 12-9-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 57.25
 Depth to Water: 38.0
 Depth to Product: ND
 Casing Diameter: 4"
 Water Column: 19.25
 Casing Volume (Water Column x Gallons per foot): 12.57
 Purge Volume (3 x Casing Volume): 37.53

Purge Information

Purge Start Time: 1435
 Purge Method: Low Flow
 Flow Rate: .4 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1445 | 6.0 | 6.93 | 724.9 | 16.54 | 0.15 | -197 | 39.2 |
| 1450 | 7.75 | 6.86 | 724.0 | 16.49 | 0.11 | -197 | 29.9 |
| 1455 | 9.0 | 6.84 | 717.4 | 16.10 | 0.11 | -198 | 28.8 |
| 1500 | 10.5 | 6.82 | 722.7 | 16.46 | .10 | -199 | 26.5 |
| 1505 | 12 | 6.80 | 730.5 | 16.90 | .09 | -201 | 26.9 |
| | | | | | | | |
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Purge Finish Time: 1505
 Total Volume Purged: 12
 Final Depth to Water: 38.0

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1505
 Analytical Suite Collected: COC, TRH, MVA
 QA/QC Samples Collected: NONE

Notes: H.C. ODOR



Groundwater Sampling Form

Well No. MW-955

Client: Clear
Project: 2nd yr Sem-annual
Project No. _____

Well Condition: Good
Geologist: _____
Date: 12/28/09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 82.50
Depth to Water: 77.88
Depth to Product: _____
Casing Diameter: _____
Water Column: _____
Casing Volume (Water Column x Gallons per foot): _____
Purge Volume (3 x Casing Volume): _____

Purge Information

Purge Start Time: Water used
Purge Method: _____
Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|----|-----------------------|-------------|----|-----|-----------|
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Purge Finish Time: _____
Total Volume Purged: _____
Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: _____
Sample Collection Time: 1305
Analytical Suite Collected: VOCs metals (Diss)
QAQC Samples Collected: _____

Notes: sampled w/ bailer due to lack of water + recovery



For Lancaster Laboratories use only
 Acct. # _____ Group # _____ Sample # _____
COC # 211756

Please print. Instructions on reverse side correspond with circled numbers.

1 Client: C. Hanson Acct. #: 11494
 Project Name #: Good Sam Annual 2009 PWSID #: MA001200120
 Project Manager: Doug Lam P.O. #: _____
 Sampler: Dale Barrett Quote #: _____
 Name of state where samples were collected: OHIO

2

| Sample Identification | Date Collected | Time Collected | Grab | Composite |
|-----------------------|----------------|----------------|------|-----------|
| MW-132, 100509 | 10-5-09 | 10:50 | X | |
| MW-134, 100509 | 10-5-09 | 11:30 | X | |
| MW-130, 100709 | 10-7-09 | 11:00 | X | |
| MW-138, 100709 | 10-7-09 | 13:40 | X | |
| MW-139, 100709 | 10-7-09 | 14:40 | X | |
| MW-133, 100809 | 10-8-09 | 13:15 | X | |
| EB-1, 100709 | 10-7-09 | 08:00 | X | |
| TRP Blank, 100809 | 10-8-09 | 14:00 | X | |

3

| Matrix | Soil | Water | Other | Total # of Containers | Preservation Codes | Analyses Requested |
|--|--------------------------|--------------------------|--------------------------|-----------------------|--------------------|--------------------|
| <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Check if Applicable | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | |
| | | X | | 4 | | |
| | | X | | 4 | | |
| | | X | | 4 | | |
| | | X | | 4 | | |
| | | X | | 16 | | |
| | | X | | 4 | | |
| | | X | | 2 | | |

4

| Matrix | Soil | Water | Other | Total # of Containers | Preservation Codes | Analyses Requested |
|--------|------|-------|-------|-----------------------|--------------------|--------------------|
| | | X | | 4 | | |
| | | X | | 4 | | |
| | | X | | 4 | | |
| | | X | | 4 | | |
| | | X | | 16 | | |
| | | X | | 4 | | |
| | | X | | 2 | | |

5

| Matrix | Soil | Water | Other | Total # of Containers | Preservation Codes | Analyses Requested |
|--------|------|-------|-------|-----------------------|--------------------|--------------------|
| | | X | | 4 | | |
| | | X | | 4 | | |
| | | X | | 4 | | |
| | | X | | 4 | | |
| | | X | | 16 | | |
| | | X | | 4 | | |
| | | X | | 2 | | |

6

| Preservation Codes | Temperature of samples upon receipt (if requested) |
|---|--|
| H=HCl N=HNO ₃ S=H ₂ SO ₄ T=Thiosulfate B=NaOH O=Other | |

7

| Turnaround Time Requested (TAT) (please circle): | Normal | Rush |
|---|--------|--------|
| (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) | | |
| Date results are needed: | | |
| Rush results requested by (please circle): | Phone | Fax |
| Phone #: <u>513 353 1323</u> | Phone | Fax |
| E-mail address: <u>MAITZHELL@TRP-INDUS.COM</u> | E-mail | E-mail |

8

| Data Package Options (please circle if required) | TX TRRP-13 | MA MCP | CT RCP | SDG Complete? |
|--|------------|--------|--------|---------------|
| Type I (Validation/NJ Reg) | Yes | No | | Yes No |
| Type II (Tier II) | | | | |
| Type III (Reduced NJ) | | | | |
| Type IV (CLP SOW) | | | | |
| Type VI (Raw Data Only) | | | | |

9

| Relinquished by: | Date | Time | Received by: | Date | Time |
|------------------|------|------|--------------|------|------|
| <u>Substance</u> | | | | | |
| | | | | | |
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Remarks: SEE ATTACHED ANALYTE LIST QC SUMMARY DATA PACKAGE

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
 Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client. 2102.03



For Lancaster Laboratories use only

Acct. # _____

Group# _____

Sample # _____

COC # 211758

Please print. Instructions on reverse side correspond with circled numbers.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--------------------------------|--|----------------|--|---------------|--|-----------------|--------------------------------------|-----------------------------|-----------|-------|--------------|--------------------|-----------|--|--|--|--|-----------------------------|--|---|--|---|--|--------------|--|------|--|------|--|
| 1 Client: <u>Cheshon</u> Acct. #: <u>11494</u> Project Name/ID: <u>2nd SEMI-ANNUAL 2009</u> PWSID #: <u>MMW-17202420</u> Project Manager: <u>Doug HAM</u> P.O.#: _____ Sampler: <u>JOHN HALL</u> Quote #: _____ Name of state where samples were collected: <u>OHIO</u> | | | 2 Sample Identification | | | | 3 Grab | | 4 Matrix | | 5 Analyses Requested | | | | | | | | | | 6 Preservation Codes | | 9 Temperature of samples (upon receipt if requested) | | | | | | | | | |
| | | | Date Collected | | Time Collected | | Composite | | Soil | | Water | | Other | | Preservation Codes | | | | | | | | | | H=HCl T=Thiosulfate N=HNO ₃ S=H ₂ SO ₄ O=Other | | Remarks | | Date | | Time | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 10-12-09 | | 0825 | | X | | | | X | | X | | MVA | | | | | | | | | | X | | SEE ATTACHED | | | | | |
| | | | 10-12-09 | | 0945 | | X | | | | X | | X | | Dissolved Metals | | | | | | | | | | X | | ANALYTE LIST | | | | | |
| | | | 10-12-09 | | - | | X | | | | X | | X | | | | | | | | | | | | X | | CRC Summary | | | | | |
| | | | 10-12-09 | | 1105 | | X | | | | X | | X | | | | | | | | | | | | X | | DATA PACKAGE | | | | | |
| | | | 10-12-09 | | 1430 | | X | | | | X | | X | | | | | | | | | | | | X | | | | | | | |
| | | | 10-12-09 | | 1430 | | X | | | | X | | X | | | | | | | | | | | | X | | 3 Coolers | | | | | |
| 7 Turnaround Time Requested (TAT) (please circle): Normal <u>Rush</u> (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) Date results are needed: _____ Rush results requested by (please circle): Phone _____ Fax _____ E-mail _____ Phone #: <u>513-353-3323</u> Fax #: <u>513-353-4664</u> E-mail address: <u>AMITRA@THELHPLAB.COM</u> | | | | | | | | | | Relinquished by: <u>Lab Director</u> | | Date Time | | Received by: | | Date Time | | | | | | | | | | | | | | | | |
| 8 Data Package Options (please circle if required) | | | | | | | | | | Relinquished by: | | Date Time | | Received by: | | Date Time | | | | | | | | | | | | | | | | |
| Type I (validation/NJ Reg) TX TRRP-13 | | | | | | | | | | Relinquished by: | | Date Time | | Received by: | | Date Time | | | | | | | | | | | | | | | | |
| Type II (Tier II) MA MCP CT RCP | | | | | | | | | | Relinquished by: | | Date Time | | Received by: | | Date Time | | | | | | | | | | | | | | | | |
| Type III (Reduced NJ) | | | | | | | | | | Relinquished by: | | Date Time | | Received by: | | Date Time | | | | | | | | | | | | | | | | |
| Type IV (CLP SOW) | | | | | | | | | | Relinquished by: | | Date Time | | Received by: | | Date Time | | | | | | | | | | | | | | | | |
| Type VI (Raw Data Only) | | | | | | | | | | Relinquished by: | | Date Time | | Received by: | | Date Time | | | | | | | | | | | | | | | | |



For Lancaster Laboratories use only

COC # 211759

Acct. # _____ Group # _____ Sample # _____

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only

FSC: _____

SCR#: _____

1 Client: Cherbon Acct. #: _____
 Project Name#: L20 SEN ANNUAL 2009 PWSID #: MA01700 M20
 Project Manager: Doug Lan P.O.#: _____
 Sampler: DALE BARRETT Quote #: _____
 Name of state where samples were collected: OHIO

| Matrix | | Total # of Containers | | 5 Analyses Requested | | | | | |
|----------------------------------|--------------------------------|--|------------------|----------------------|--|--|--|--|--|
| Soil | Water | Other | | | | | | | |
| <input type="checkbox"/> Potable | <input type="checkbox"/> NPDES | <input type="checkbox"/> Check if Applicable | VOC's M 8260 | | | | | | |
| | | | Refrs | | | | | | |
| | | | Dissolved Metals | | | | | | |
| | | | MNA | | | | | | |
| | | | TPH 620 | | | | | | |
| | | | TPH D20 | | | | | | |

| 6 | Preservation Codes | Temperature of samples (upon receipt (if requested)) |
|---|--|--|
| | H=HCl T=Thiosulfate N=HNO ₃ B=NaOH S=H ₂ SO ₄ O=Other | |

| 2 Sample Identification | 3 Grab | |
|-------------------------|----------------|----------------|
| | Date Collected | Time Collected |
| MW-142/101309 | 10/13/09 | 0905 |
| MW-141/101309 | 10/13/09 | 0940 |
| MW-22/101309 | 10/13/09 | 1500 |
| MW-114/101909 | 10/19/09 | 1355 |
| TRP Blank/101909 | 10/19/09 | 1515 |
| TRP Blank/101909 | 10/19/09 | 1525 |

7 Turnaround Time Requested (TAT) (please circle): Normal / Rush
 (Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
 Date results are needed: _____
 Rush results requested by (please circle): Phone Fax E-mail
 Phone #: 513 353 1323 Fax #: 513 353 4664
 E-mail address: MARTIN@LANCASTERLABS.COM

8 Data Package Options (please circle if required)
 Type I (validation/NJ Reg) TX TRRP-13 SDG Complete? Yes No
 Type II (Tier II) MA MCP CT RCP
 Type III (Reduced NJ) Site-specific QC (MS/MSD/Dup)? Yes No
 Type IV (CLP SOW) (if yes, indicate QC sample and submit triplicate volume)
 Type VI (Raw Data Only) Internal COC Required? Yes / No

| 9 | Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---------------------|------|------|--------------|------|------|
| | <u>Kate Harwood</u> | | | | | |
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Analysis Request/ Environmental Services Chain of Custody



For Lancaster Laboratories use only

Acct. # _____ Group# _____
 Sample # _____

COC # 211760

Please print. Instructions on reverse side correspond with circled numbers.

1 Client: CHELTON Acct. #: 11494
 Project Name: 2ND SEM ANNUAL 2009 PWSID #: MA001700A20
 Project Manager: DALE LAM P.O.#: _____
 Sampler: DALE BARRETT Quote #: _____
 Name of state where samples were collected: OHIO

4 Matrix

| Soil | Water | Other | Total # of Containers |
|---|--------------------------|--------------------------|-----------------------|
| <input type="checkbox"/> Potable <input type="checkbox"/> NPDES Applicable | <input type="checkbox"/> | <input type="checkbox"/> | |

5 Analyses Requested

| Preservation Codes | Temperature of samples (upon receipt if requested) |
|---|--|
| H=HCl N=HNO ₃ S=H ₂ SO ₄ | |
| T=Thiosulfate B=NaOH O=Other | |

3

| Sample Identification | Date Collected | Time Collected | Grab | Composite |
|-----------------------|----------------|----------------|------|-----------|
| FIELD BLANK-1/102009 | 10-20-09 | 0955 | X | |
| MW-37/102009 | 10-20-09 | 1025 | X | |
| MW-13/102009 | 10-20-09 | 1150 | X | |
| T.R.P. BLANK, 102009 | 10-20-09 | 1400 | X | |

6

| Remarks | Date | Time |
|--------------|------|------|
| SEE ATTACHED | | |
| ANALYTE LIST | | |
| QC SUMMARY | | |
| DATA PACKAGE | | |

7 Turnaround Time Requested (TAT) (please circle): Normal Rush
 (Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
 Date results are needed: _____
 Rush results requested by (please circle): Phone _____ Fax _____ E-mail _____
 Phone # 513 353 1323 Fax # 513 353 4664
 E-mail address: MMITCHELL@TRUTHPRO.COM

8 Data Package Options (please circle if required)

| | | | | |
|----------------------------|--------------------------------|---------------|-----|----|
| Type I (validation/NJ Reg) | TX TRRP-13 | SDG Complete? | Yes | No |
| Type II (Tier II) | MA MCP | | | |
| Type III (Reduced NJ) | CT RCP | | | |
| Type IV (CLP SOW) | Site-specific QC (MS/MSD/Dup)? | Yes | No | |
| Type VI (Raw Data Only) | Internal COC Required? | Yes | No | |

9

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---------------------|------|------|--------------|------|------|
| <u>Dale Barrett</u> | | | | | |
| | | | | | |
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| | | | | | |
| | | | | | |

Analysis Request/ Environmental Services Chain of Custody



For Lancaster Laboratories use only
 Acct. # _____ Group# _____ Sample # _____

COC # 211761

Please print. Instructions on reverse side correspond with circled numbers.

1 Client: CHEKON Acct. #: 11494
 Project Name: IND SEMI ANNUAL 2009 PWSID #: 400017000120
 Project Manager: DOUG LAM P.O.#: _____
 Sampler: DALE BARRETT Quote #: _____
 Name of state where samples were collected: OHIO

2

| Sample Identification | Date Collected | Time Collected | Grab | Composite |
|-------------------------|-----------------|----------------|----------|-----------|
| <u>MW-1045 110909</u> | <u>11-9-09</u> | <u>1420</u> | <u>X</u> | <u>X</u> |
| <u>MW-1005, 111009</u> | <u>11-10-09</u> | <u>1010</u> | <u>X</u> | <u>X</u> |
| <u>MW-124, 111009</u> | <u>11-10-09</u> | <u>1245</u> | <u>X</u> | <u>X</u> |
| <u>TRP Blank 111009</u> | <u>11-10-09</u> | <u>1415</u> | <u>X</u> | <u>X</u> |
| <u>TRP Blank 111009</u> | <u>11-10-09</u> | <u>1415</u> | <u>X</u> | <u>X</u> |

| Matrix | Total # of Containers | | | | Preservation Codes | | | | | | Remarks | Temperature of samples upon receipt (if requested) | | |
|--------|-----------------------|----------|----------|-----------|--------------------|------------------------|----------|----------|----------|----------|----------|--|----------|--|
| | Soil | Water | Other | Composite | VC 1/2 ML 8260 | RB/AS DISSOLVED METALS | MNA | TPH GAO | TPH DO | | | | | |
| | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | |
| | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | |
| | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | |
| | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | |
| | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | |

3

| Soil | Water | Other | Composite | Grab | Time |
|----------|----------|----------|-----------|----------|-------------|
| <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>1420</u> |
| <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>1010</u> |
| <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>1245</u> |
| <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>1415</u> |
| <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>1415</u> |

4 Matrix: Potable NPDES Applicable

5 Analyses Requested: _____

6 Preservation Codes: H=HCl, T=Thiosulfate, N=HNO₃, B=NaOH, S=H₂SO₄, O=Other

7 Turnaround Time Requested (TAT) (please circle): Normal Rush
 (Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
 Date results are needed: _____
 Rush results requested by (please circle): Phone _____ Fax _____ E-mail _____
 Phone # 513 353 1323 Fax #: 513 353 4664
 E-mail address: AMIT@LCL@TRPHydro.com

8 Data Package Options (please circle if required):
 Type I (Validation/NJ Reg) TX TRRP-13 SDG Complete? Yes No
 Type II (Tier II) MA MCP CT RCP
 Type III (Reduced NJ) Site-specific QC (MS/MSD/Dup)? Yes No
 Type IV (CLP SOW) (If yes, indicate QC sample and submit triplicate volume.)
 Type VI (Raw Data Only) Internal COC Required? Yes / No

9 Relinquished by: _____ Date: _____ Time: _____ Received by: _____

Analysis Request/ Environmental Services Chain of Custody



For Lancaster Laboratories use only
 Acct. # _____ Group# _____ Sample # _____

COC # 211764

Please print. Instructions on reverse side correspond with circled numbers.

| <p>1 Client: <u>CHEVRON</u> Acct. #: <u>11494</u> Project Name#: <u>2009 Semi Annual 2009</u> PWSID #: <u>MA0017002120</u> Project Manager: <u>DOUG LAM</u> P.O.#: _____ Sampler: <u>JOHN HALL</u> Quote #: _____ Name of state where samples were collected: <u>OHIO</u></p> | <p>3 Composite</p> <table border="1"> <thead> <tr> <th>Sample Identification</th> <th>Date Collected</th> <th>Time Collected</th> <th>Grab</th> </tr> </thead> <tbody> <tr> <td>MW-935/11909</td> <td>11-19-09</td> <td>1010</td> <td>X</td> </tr> <tr> <td>MW-129/11909</td> <td>11-19-09</td> <td>1425</td> <td>X</td> </tr> <tr> <td>TAP Blank/11909</td> <td>11-19-09</td> <td>1440</td> <td>X</td> </tr> <tr> <td>TAP Blank/11909</td> <td>11-19-09</td> <td>1440</td> <td>X</td> </tr> <tr> <td>FIELD Blank/11909</td> <td>11-19-09</td> <td>1350</td> <td>X</td> </tr> </tbody> </table> | Sample Identification | Date Collected | Time Collected | Grab | MW-935/11909 | 11-19-09 | 1010 | X | MW-129/11909 | 11-19-09 | 1425 | X | TAP Blank/11909 | 11-19-09 | 1440 | X | TAP Blank/11909 | 11-19-09 | 1440 | X | FIELD Blank/11909 | 11-19-09 | 1350 | X | <p>4 Matrix</p> <table border="1"> <thead> <tr> <th>Soil</th> <th>Water</th> <th>Other</th> <th>Total # of Containers</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> Potable <input type="checkbox"/> NPDES Applicable</td> <td>X</td> <td>X</td> <td>21</td> </tr> <tr> <td></td> <td>X</td> <td>X</td> <td>4</td> </tr> <tr> <td></td> <td>X</td> <td>X</td> <td>2</td> </tr> <tr> <td></td> <td>X</td> <td>X</td> <td>2</td> </tr> <tr> <td></td> <td>X</td> <td>X</td> <td>3</td> </tr> </tbody> </table> | Soil | Water | Other | Total # of Containers | <input type="checkbox"/> Potable <input type="checkbox"/> NPDES Applicable | X | X | 21 | | X | X | 4 | | X | X | 2 | | X | X | 2 | | X | X | 3 | <p>5 Analyses Requested</p> <table border="1"> <thead> <tr> <th>Preservation Codes</th> <th>Temperature of samples upon receipt (if requested)</th> </tr> </thead> <tbody> <tr> <td> H=HCl N=HNO₃ S=H₂SO₄ T=Thiosulfate B=NaOH O=Other </td> <td></td> </tr> </tbody> </table> | Preservation Codes | Temperature of samples upon receipt (if requested) | H=HCl N=HNO ₃ S=H ₂ SO ₄ T=Thiosulfate B=NaOH O=Other | | <p>6 Remarks</p> <p>SEE ATTACHED ANALYTICAL LIST DC SUMMARY DATA PACKAGE</p> |
|---|--|-----------------------|-----------------------|----------------------------|------------|---------------|-------------------|---------------|--------|-----------------------|--------------------------------|--------|-------------------|--|----------|-------------------------|------------------------|-----------------|----------|------|---|-------------------|----------|------|---|---|------|-------|-------|-----------------------|---|---|---|----|--|---|---|---|--|---|---|---|--|---|---|---|--|---|---|---|---|--------------------|--|---|--|---|
| Sample Identification | Date Collected | Time Collected | Grab | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW-935/11909 | 11-19-09 | 1010 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW-129/11909 | 11-19-09 | 1425 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TAP Blank/11909 | 11-19-09 | 1440 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TAP Blank/11909 | 11-19-09 | 1440 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD Blank/11909 | 11-19-09 | 1350 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Soil | Water | Other | Total # of Containers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Potable <input type="checkbox"/> NPDES Applicable | X | X | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X | X | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X | X | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X | X | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X | X | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preservation Codes | Temperature of samples upon receipt (if requested) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H=HCl N=HNO ₃ S=H ₂ SO ₄ T=Thiosulfate B=NaOH O=Other | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>7 Turnaround Time Requested (TAT) (please circle): Normal/ Rush (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) Date results are needed: _____ Rush results requested by (please circle): Phone Fax E-mail Phone #: <u>513 333 1323</u> Fax #: <u>513 333 3409</u> E-mail address: <u>MA001@LANCASTERLABS.COM</u></p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>8 Data Package Options (please circle if required)</p> <table border="1"> <tr> <td>Type I (validation/NJ Reg)</td> <td>TX TRRP-13</td> <td>SDG Complete?</td> </tr> <tr> <td>Type II (Tier II)</td> <td>MA MCP CT RCP</td> <td>Yes No</td> </tr> <tr> <td>Type III (Reduced NJ)</td> <td>Site-specific QC (MS/MSD/Dup)?</td> <td>Yes No</td> </tr> <tr> <td>Type IV (CLP SOW)</td> <td>(If yes, indicate QC sample and submit triplicate volume.)</td> <td></td> </tr> <tr> <td>Type VI (Raw Data Only)</td> <td>Internal COC Required?</td> <td>Yes / No</td> </tr> </table> | | | | Type I (validation/NJ Reg) | TX TRRP-13 | SDG Complete? | Type II (Tier II) | MA MCP CT RCP | Yes No | Type III (Reduced NJ) | Site-specific QC (MS/MSD/Dup)? | Yes No | Type IV (CLP SOW) | (If yes, indicate QC sample and submit triplicate volume.) | | Type VI (Raw Data Only) | Internal COC Required? | Yes / No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type I (validation/NJ Reg) | TX TRRP-13 | SDG Complete? | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type II (Tier II) | MA MCP CT RCP | Yes No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type III (Reduced NJ) | Site-specific QC (MS/MSD/Dup)? | Yes No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type IV (CLP SOW) | (If yes, indicate QC sample and submit triplicate volume.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type VI (Raw Data Only) | Internal COC Required? | Yes / No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>9 Relinquished by: _____ Date: _____ Time: _____ Relinquished by: _____ Date: _____ Time: _____ Relinquished by: _____ Date: _____ Time: _____ Relinquished by: _____ Date: _____ Time: _____ Relinquished by: _____ Date: _____ Time: _____</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



For Lancaster Laboratories use only
 Acct. # _____ Group# _____ Sample # _____

COC # 211765

Please print. Instructions on reverse side correspond with circled numbers.

| | | | | | | | | | |
|--|--|--|--|--|--|---|--|--|--|
| 1 Client: <u>CHEVON</u> Acct. #: <u>11494</u> Project Name #: <u>2ND SEMI ANNUAL 2009</u> PWSID #: <u>100R-17000420</u> Project Manager: <u>DAVE LAM</u> P.O.#: _____ Sampler: <u>DALE BARRETT</u> Quote #: _____ Name of state where samples were collected: <u>OHIO</u> | | 3 Composite Grab Date Collected Time Collected <u>12-2-09 1020</u> X <u>12-2-09 1355</u> X <u>12-2-09 1530</u> X <u>12-2-09 1530</u> X | | 4 Matrix Check if Potable <input type="checkbox"/> NPDES Applicable <input type="checkbox"/> Soil _____ Water _____ Other _____ | | 5 Analyses Requested Preservation Codes H=HCl T=Thiosulfate N=HNO ₃ B=NaOH S=H ₂ SO ₄ O=Other | | 6 Temperature of samples upon receipt (if requested) | |
| 2 Sample Identification <u>MW-51/120209</u> <u>MW-33/120209</u> <u>TAP BLANK/120209</u> <u>TAP BLANK/120209</u> | | Total # of Containers 10 21 2 2 | | Preservation Codes TPH DRO TPH 6Ro P/MSOLVED METALS VOC'S PL 8260 | | Remarks SEE ATTACHED ANALYTE LIST DISSOLVED METALS ARE FIELD FILTERED QC Summary DATA PACKAGE | | | |
| 7 Turnaround Time Requested (TAT) (please circle): Normal <u>1</u> Rush _____ (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) Date results are needed: _____ Rush results requested by (please circle): Phone _____ Fax _____ E-mail _____ Phone #: <u>513 353 1323</u> Fax #: <u>513 353 4664</u> E-mail address: <u>MANITCHELL@TMMMDRO.COM</u> | | Relinquished by: <u>Manitche</u> Relinquished by: _____ Relinquished by: _____ Relinquished by: _____ Relinquished by: _____ | | Received by: _____ Received by: _____ Received by: _____ Received by: _____ Received by: _____ | | Date _____ Date _____ Date _____ Date _____ Date _____ | | Time _____ Time _____ Time _____ Time _____ Time _____ | |
| 8 Data Package Options (please circle if required) TX TRRP-13 _____ MA MCP _____ CT RCP _____ Site-specific QC (MS/MSD/Dup)? Yes _____ No _____ (If yes, indicate QC sample and submit replicate volume.) Internal COC Required? Yes / No _____ SDG Complete? Yes _____ No _____ | | | | | | | | | |

Analysis Request/ Environmental Services Chain of Custody



For Lancaster Laboratories use only
 Acct. # _____ Group # _____ Sample # _____

COC # 211766

Please print. Instructions on reverse side correspond with circled numbers.

| | | | | | |
|---|--|---|--|---|--|
| 1 Client: <u>CHEVRON</u> Acct. #: <u>11494</u> Project Name #: <u>2ND SEMI ANNUAL 2009</u> PWSID #: <u>WELCO/2009M20</u> Project Manager: <u>DOUG LAM</u> P.O. #: _____ Sampler: <u>DALE BARRETT</u> Quote #: _____ Name of state where samples were collected: <u>OHIO</u> | | 5 Analyses Requested Preservation Codes H=HCl T=Thiosulfate N=HNO ₃ B=NaOH S=H ₂ SO ₄ O=Other | | 6 Temperature of samples upon receipt (if requested) | |
| 2 Sample Identification FB-3 120309 BD-3 120309 L-1 RL 120309 TRIP BLANK 120309 TRIP BLANK 120309 | | 3 Matrix Water <input type="checkbox"/> NPDES Applicable Potable <input type="checkbox"/> Check if Soil _____ Composite _____ | | 4 Total # of Containers Other _____ | |
| 7 Turnaround Time Requested (TAT) (please circle): Normal / Rush (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) Date results are needed: _____ Rush results requested by (please circle): Phone _____ Fax _____ E-mail _____ Phone #: <u>513 353 1323</u> Fax #: <u>513 353 4664</u> E-mail address: <u>M.MIRSHALL@TRI-HYDRO.COM</u> | | 8 Data Package Options (please circle if required) TX TRRP-13 Yes No MA MCP CT RCP Yes No Site-specific QC (MS/MSD/Dup)? Yes No (If yes, indicate QC sample and submit replicate volume.) Internal COC Required? Yes / No _____ | | 9 Relinquished by: _____ Date _____ Time _____ Relinquished by: _____ Date _____ Time _____ Relinquished by: _____ Date _____ Time _____ Relinquished by: _____ Date _____ Time _____ Relinquished by: _____ Date _____ Time _____ | |
| Remarks SEE ATTACHED ANALYTE LIST DISSOLVED METALS ARE FIELD FILTERED QOC SUMMARY DATA PACKAGE | | Preservation Codes H=HCl T=Thiosulfate N=HNO ₃ B=NaOH S=H ₂ SO ₄ O=Other | | Temperature of samples upon receipt (if requested) | |

Analysis Request / Environmental Services Chain of Custody



For Lancaster Laboratories use only

Act. # _____

Group# _____

Sample # _____

COC # 211767

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only

FSC: _____

SCR#: _____

1 Client: CHEVRON Acct. #: 11494
 Project Name #: 220 SEMI ANNUAL 2009 PWSID #: 66AW17000020
 Project Manager: DOUG LAM P.O.#: _____
 Sampler: DALE BARRETT Quote #: _____
 Name of state where samples were collected: OHIO

4 Matrix

| Matrix | Check if Applicable | | Total # of Containers |
|--------|--------------------------|--------------------------|-----------------------|
| | Potable | NPDES | |
| Soil | <input type="checkbox"/> | <input type="checkbox"/> | |
| Water | <input type="checkbox"/> | <input type="checkbox"/> | |
| Other | <input type="checkbox"/> | <input type="checkbox"/> | |

5 Analyses Requested

| Analyses Requested | Preservation Codes |
|---|--------------------|
| VOC's PA 8760 P6/AS DISSOLVED METALS TPH GRO TPH DRO MNA | |

3

| Sample Identification | Date Collected | Time Collected | Grab | Composite |
|-----------------------|----------------|----------------|------|-----------|
| MW-10, 120709 | 12-7-09 | 1405 | X | |
| MW-38, 120809 | 12-8-09 | 1035 | X | |
| FB-2, 120809 | 12-8-09 | 1005 | X | |
| MW-21, 120809 | 12-8-09 | 1400 | X | |
| BD-3, 120809 | 12-8-09 | - | X | |
| TRP BLANK 120809 | 12-8-09 | 1545 | X | |
| TRP BLANK 120809 | 12-8-09 | 1545 | X | |

6

| | |
|--|--|
| Preservation Codes H=HCl T=Thiosulfate N=HNO ₃ B=NaOH S=H ₂ SO ₄ O=Other | Temperature of samples upon receipt (if requested) |
|--|--|

7 Turnaround Time Requested (TAT) (please circle): Normal Rush
 (Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
 Date results are needed: _____
 Rush results requested by (please circle): Phone _____ Fax _____ E-mail _____
 Phone #: 513 353 1323 Fax #: 513 353 4664
 E-mail address: MAITHELL@TRIHYDRO.COM

8 Data Package Options (please circle if required)

| | | |
|----------------------------|---|---------------|
| Type I (validation/NJ Reg) | TX TRRP-13 | SDG Complete? |
| Type II (Tier II) | MA MCP CT RCP | Yes No |
| Type III (Reduced NJ) | Site-specific QC (MS/MSD/Dup)? | Yes No |
| Type IV (CLP SOW) | (If yes, indicate QC sample and submit triplicate volume) | |
| Type VI (Raw Data Only) | Internal COC Required? | Yes / No |

9

| | | | | | |
|--------------------------------------|----------------------|--------------------|--------------|-------|-------|
| Relinquished by: <u>Dale Barrett</u> | Date: <u>12/9/09</u> | Time: <u>11:15</u> | Received by: | Date: | Time: |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
 Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Analysis Request/ Environmental Services Chain of Custody



For Lancaster Laboratories use only

COC # 225014

Please print. Instructions on reverse side correspond with circled numbers.

| <p>1 Client: <u>Cherron</u> Acct. #: <u>11994</u></p> <p>Project Name#: <u>2nd Semi Annual 2009</u> PWSID #: <u>PAWACN17000070</u></p> <p>Project Manager: <u>Doug Lam</u> P.O.#: _____</p> <p>Sampler: <u>Dale Barrett</u> Quote #: _____</p> <p>Name of state where samples were collected: <u>OHIO</u></p> | <p>3 Composite Grab</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sample Identification</th> <th>Date Collected</th> <th>Time Collected</th> </tr> </thead> <tbody> <tr> <td><u>Mw-85, 12-09-09</u></td> <td><u>12-19-09</u></td> <td><u>1425</u></td> </tr> <tr> <td><u>Mw-52, 12-09-09</u></td> <td><u>12-19-09</u></td> <td><u>1505</u></td> </tr> <tr> <td><u>Mw-112, 12-09-09</u></td> <td><u>12-19-09</u></td> <td><u>0945</u></td> </tr> <tr> <td><u>TAP Blank</u></td> <td><u>12-19-09</u></td> <td>_____</td> </tr> <tr> <td><u>FB-3, 12-09-09</u></td> <td><u>12-19-09</u></td> <td><u>0930</u></td> </tr> </tbody> </table> | Sample Identification | Date Collected | Time Collected | <u>Mw-85, 12-09-09</u> | <u>12-19-09</u> | <u>1425</u> | <u>Mw-52, 12-09-09</u> | <u>12-19-09</u> | <u>1505</u> | <u>Mw-112, 12-09-09</u> | <u>12-19-09</u> | <u>0945</u> | <u>TAP Blank</u> | <u>12-19-09</u> | _____ | <u>FB-3, 12-09-09</u> | <u>12-19-09</u> | <u>0930</u> | <p>4 Matrix</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Soil</th> <th>Water</th> <th>Other</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/> Potable</td> <td><input checked="" type="checkbox"/> NPDs</td> <td><input type="checkbox"/> Other</td> </tr> </tbody> </table> <p>Total # of Containers</p> | Soil | Water | Other | <input checked="" type="checkbox"/> Potable | <input checked="" type="checkbox"/> NPDs | <input type="checkbox"/> Other | <p>5 Analyses Requested</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Preservation Codes</th> <th>TPH GRO</th> <th>TPH DRO</th> <th>MNA</th> </tr> </thead> <tbody> <tr> <td>VOCs, P, 8260</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>Dissolved Metals</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td></td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td></td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td></td> <td>X</td> <td>X</td> <td>X</td> </tr> </tbody> </table> | Preservation Codes | TPH GRO | TPH DRO | MNA | VOCs, P, 8260 | X | X | X | Dissolved Metals | X | X | X | | X | X | X | | X | X | X | | X | X | X | <p>6 Preservation Codes</p> <p>H=HCl T=Thiosulfate N=HNO₃ B=NaOH S=H₂SO₄ O=Other</p> <p>Temperature of samples upon receipt (if requested) _____</p> | <p>7 Turnaround Time Requested (TAT) (please circle): Normal <u>Normal</u> Rush</p> <p>(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)</p> <p>Date results are needed: _____</p> <p>Rush results requested by (please circle): Phone _____ Fax _____ E-mail _____</p> <p>Phone # <u>513-353-1323</u> Fax # <u>513-353-4667</u></p> <p>E-mail address: <u>mm.trickett@tribulation.com</u></p> | <p>8 Data Package Options (please circle if required)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Type I (validation/NJ Reg)</td> <td>TX TRRP-13</td> <td>SDG Complete?</td> </tr> <tr> <td>Type II (Tier II)</td> <td>MA MCP CT RCP</td> <td>Yes No</td> </tr> <tr> <td>Type III (Reduced NJ)</td> <td>Site-specific QC (MS/MSD/Dup)?</td> <td>Yes No</td> </tr> <tr> <td>Type IV (CLP SOW)</td> <td>(If yes, indicate QC sample and submit replicate volume.)</td> <td></td> </tr> <tr> <td>Type VI (Raw Data Only)</td> <td>Internal COC Required?</td> <td>Yes / No</td> </tr> </table> | Type I (validation/NJ Reg) | TX TRRP-13 | SDG Complete? 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| <u>Mw-85, 12-09-09</u> | <u>12-19-09</u> | <u>1425</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>Mw-52, 12-09-09</u> | <u>12-19-09</u> | <u>1505</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>Mw-112, 12-09-09</u> | <u>12-19-09</u> | <u>0945</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>TAP Blank</u> | <u>12-19-09</u> | _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>FB-3, 12-09-09</u> | <u>12-19-09</u> | <u>0930</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <input checked="" type="checkbox"/> Potable | <input checked="" type="checkbox"/> NPDs | <input type="checkbox"/> Other | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preservation Codes | TPH GRO | TPH DRO | MNA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VOCs, P, 8260 | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dissolved Metals | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Type I (validation/NJ Reg) | TX TRRP-13 | SDG Complete? | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type II (Tier II) | MA MCP CT RCP | Yes No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type III (Reduced NJ) | Site-specific QC (MS/MSD/Dup)? | Yes No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type IV (CLP SOW) | (If yes, indicate QC sample and submit replicate volume.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type VI (Raw Data Only) | Internal COC Required? | Yes / No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>Mark Miller</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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For Lancaster Laboratories use only

Acct. # _____

Group# _____

Sample # _____

COC # 225013

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only

FSC: _____

SCR#: _____

| <p>1 Client: <u>Chevron</u> Acct. #: <u>11494</u></p> <p>Project Name#: <u>2nd Semi Annual 2009</u> PWSID #: <u>AWRCA1700010</u></p> <p>Project Manager: <u>Doug Lan</u> P.O. #: _____</p> <p>Sampler: <u>Dale Barrett</u> Quote #: _____</p> <p>Name of state where samples were collected: <u>Ohio</u></p> | | | <p>3 Composite</p> | | <p>4 Matrix</p> <p>Check if: <input type="checkbox"/> Potable <input type="checkbox"/> NPDES Applicable <input type="checkbox"/> Water <input type="checkbox"/> Soil</p> | | <p>5 Analyses Requested</p> <p>Preservation Codes</p> | | <p>6 Preservation Codes</p> <p>H=HCl T=Thiosulfate N=HNO₃ B=NaOH S=H₂SO₄ O=Other</p> | | <p>Temperature of samples upon receipt (if requested)</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------|----------------|--|-----------------------|---|-------|--|-----------|--|------|---|------------------|------|------|--------------|------|------|---------|---------------|----------|------|---|---|---|---|---|---|---------------------|--|--|--|--|--|--|----------------|----------|------|---|---|---|---|---|---|---------------------|--|--|--|--|--|--|--------------------|----------|--|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------------|--|
| <p>2 Sample Identification</p> <table border="1"> <thead> <tr> <th>Sample Identification</th> <th>Date Collected</th> <th>Time Collected</th> <th>Grab</th> <th>Total # of Containers</th> <th>Other</th> <th>Water</th> <th>Soil</th> <th>Composite</th> <th>Relinquished by:</th> <th>Date</th> <th>Time</th> <th>Received by:</th> <th>Date</th> <th>Time</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>MW-85 12-2-09</td> <td>12/28/09</td> <td>1305</td> <td>X</td> <td>4</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td><u>see attached</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-113 12-2-09</td> <td>12/28/09</td> <td>1325</td> <td>X</td> <td>4</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td><u>Analyte List</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TRIP Blank 12-2-09</td> <td>12/28/09</td> <td></td> <td>X</td> <td>2</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td><u>Dissolved metals are field filtered</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u>QC Summary</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u>Data Package</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="3"> <p>7 Turnaround Time Requested (TAT) (please circle): Normal <u>Rush</u></p> <p>(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)</p> <p>Date results are needed: _____</p> <p>Rush results requested by (please circle): Phone Fax <u>E-mail</u></p> <p>Phone #: <u>513-353-1323</u> Fax #: <u>513-353-4664</u></p> <p>E-mail address: <u>mm.tob411@trilbydo.com</u></p> </td> <td colspan="2"> <p>8 Data Package Options (please circle if required)</p> <p>Type I (Validation/NJ Reg) TX TRRP-13 Type II (Tier II) MA MCP CT RCP Type III (Reduced NJ) Site-specific QC (MS/MSD/Dup)? Yes No Type IV (CLP SOW) (if yes, indicate QC sample and submit triplicate volumes) Type VI (Raw Data Only) Internal COC Required? Yes / No</p> </td> <td colspan="2"> <p>9</p> </td> </tr> </tbody> </table> | | | Sample Identification | Date Collected | Time Collected | Grab | Total # of Containers | Other | Water | Soil | Composite | Relinquished by: | Date | Time | Received by: | Date | Time | Remarks | MW-85 12-2-09 | 12/28/09 | 1305 | X | 4 | X | X | X | X | <u>see attached</u> | | | | | | | MW-113 12-2-09 | 12/28/09 | 1325 | X | 4 | X | X | X | X | <u>Analyte List</u> | | | | | | | TRIP Blank 12-2-09 | 12/28/09 | | X | 2 | X | X | X | X | <u>Dissolved metals are field filtered</u> | | | | | | | | | | | | | | | | <u>QC Summary</u> | | | | | | | | | | | | | | | | <u>Data Package</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | <p>7 Turnaround Time Requested (TAT) (please circle): Normal <u>Rush</u></p> <p>(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)</p> <p>Date results are needed: _____</p> <p>Rush results requested by (please circle): Phone Fax <u>E-mail</u></p> <p>Phone #: <u>513-353-1323</u> Fax #: <u>513-353-4664</u></p> <p>E-mail address: <u>mm.tob411@trilbydo.com</u></p> | | | <p>8 Data Package Options (please circle if required)</p> <p>Type I (Validation/NJ Reg) TX TRRP-13 Type II (Tier II) MA MCP CT RCP Type III (Reduced NJ) Site-specific QC (MS/MSD/Dup)? Yes No Type IV (CLP SOW) (if yes, indicate QC sample and submit triplicate volumes) Type VI (Raw Data Only) Internal COC Required? Yes / No</p> | | <p>9</p> | |
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| MW-85 12-2-09 | 12/28/09 | 1305 | X | 4 | X | X | X | X | <u>see attached</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW-113 12-2-09 | 12/28/09 | 1325 | X | 4 | X | X | X | X | <u>Analyte List</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TRIP Blank 12-2-09 | 12/28/09 | | X | 2 | X | X | X | X | <u>Dissolved metals are field filtered</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | <u>QC Summary</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | <u>Data Package</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Groundwater Sampling Form

Well No. MW-35

Client: CHEVRON

Well Condition: GOOD

Project: MONTHLY SOUTHWEST QUAD DEC 09

Geologist: D. BARRETT & J. THOMAS

Project No. 500-017-012

Date: 12-11-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 51.65

Depth to Water: 42.83

Depth to Product: ND

Casing Diameter: 2"

Water Column: 8.82

Casing Volume (Water Column x Gallons per foot): 1.41

Purge Volume (3 x Casing Volume): 4.23

Purge Information

Purge Start Time: 1025

Purge Method: LOW FLOW

Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 1035 | 4.75 | 7.27 | 665.1 | 9.88 | 0.95 | -25 | 407.0 |
| 1040 | 5.75 | 7.26 | 689.0 | 11.28 | 0.87 | -33 | 357.2 |
| 1045 | 6.75 | 7.24 | 735.8 | 13.84 | .74 | -35 | 108.3 |
| 1050 | 7.75 | 7.22 | 732.3 | 13.80 | .64 | -39 | 48.1 |
| 1055 | 8.75 | 7.20 | 745.6 | 14.48 | .57 | -41 | 26.1 |
| 1100 | 9.75 | 7.19 | 741.5 | 14.33 | .54 | -43 | 20.0 |
| 1105 | 10.75 | 7.18 | 743.0 | 14.41 | .53 | -45 | 12.9 |
| 1110 | 11.75 | 7.18 | 759.0 | 15.29 | .52 | -45 | 9.6 |
| 1115 | 12.75 | 7.17 | 751.0 | 14.97 | .52 | -47 | 8.7 |
| 1120 | 13.75 | 7.18 | 753.0 | 15.06 | .51 | -49 | 5.2 |

Purge Finish Time: 1120

Total Volume Purged: 13.75

Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: NONE

Sample Collection Time: 1120

Analytical Suite Collected: VOC'S

QAQC Samples Collected: NONE

Notes: _____



Groundwater Sampling Form

Well No. MW-133

Client: CHEVRON

Well Condition: Good

Project: MONTHLY SOUTHWEST ROAD DEL OJ

Geologist: D. BARRETT + J. THOMAS

Project No. 500-017-012

Date: 12-11-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 50.5

Depth to Water: 43.12

Depth to Product: ND

Casing Diameter: 2"

Water Column: 7.38

Casing Volume (Water Column x Gallons per foot): 1.18

Purge Volume (3 x Casing Volume): 3.54

Purge Information

Purge Start Time: 0915

Purge Method: LOW FLOW

Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 925 | 7.0 | 7.34 | 802.6 | 15.08 | 0.17 | -20 | 374.2 |
| 930 | 8.5 | 7.26 | 804.2 | 15.15 | 0.11 | -41 | 108.0 |
| 935 | 10.0 | 7.25 | 811.3 | 15.51 | 0.11 | -48 | 49.4 |
| 940 | 11.5 | 7.22 | 814.9 | 15.59 | 0.10 | -51 | 24.2 |
| 945 | 13.0 | 7.21 | 819.3 | 15.80 | 0.10 | -55 | 18.5 |
| 950 | 14.5 | 7.20 | 826.0 | 16.13 | 0.09 | -58 | 13.8 |
| 955 | 16.0 | 7.20 | 824.2 | 16.03 | 0.09 | -62 | 9.7 |
| 1000 | 17.5 | 7.20 | 817.2 | 15.71 | 0.08 | -67 | 7.3 |
| 1005 | 19.0 | 7.20 | 818.4 | 15.72 | 0.07 | -70 | 5.2 |
| 1010 | 20.0 | 7.20 | 822.3 | 15.90 | 0.06 | -71 | 3.4 |

Purge Finish Time: 1010

Total Volume Purged: 20

Final Depth to Water: _____

Sampling Information

Wellhead Gas Measurements: NONE

Sample Collection Time: 1010

Analytical Suite Collected: VOC'S

QAQC Samples Collected: NONE

Notes: 19°F



Groundwater Sampling Form

Well No. MW-142

Client: CHEVRON
 Project: MONTHLY SOUTHWEST QUAD DEC 09
 Project No. 500-017-012

Well Condition: GOOD
 Geologist: D. BARRETT
 Date: 12-14-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 52.9
 Depth to Water: 46.93
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 5.97
 Casing Volume (Water Column x Gallons per foot): .96
 Purge Volume (3 x Casing Volume): 2.87

Purge Information

Purge Start Time: 1210
 Purge Method: LOW FLOW
 Flow Rate: _____

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1220 | 4.0 | 7.0 | 701.5 | 16.42 | 0.22 | -114 | 17.4 |
| 1225 | 5.75 | 6.99 | 706.9 | 16.65 | 0.17 | -118 | 6.7 |
| 1230 | 7.0 | 6.98 | 706.7 | 16.62 | 0.15 | -121 | 3.4 |
| 1235 | 8.5 | 6.97 | 706.5 | 16.59 | 0.13 | -123 | 2.7 |
| 1240 | 10.0 | 6.96 | 707.3 | 16.60 | 0.12 | -125 | 2.6 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1240
 Total Volume Purged: 10.0
 Final Depth to Water: 46.93

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1240
 Analytical Suite Collected: VOC's
 QAQC Samples Collected: NONE

Notes: H.C. ODO's



Groundwater Sampling Form

Well No: MW-139

Client: CHEURON

Well Condition: GOOD

Project: MONTHLY SOUTHWEST ROAD DECOG

Geologist: D. BARRETT

Project No. 500-017-012

Date: 12-14-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 50

Depth to Water: 40.2

Depth to Product: ND

Casing Diameter: 2"

Water Column: 9.8

Casing Volume (Water Column x Gallons per foot): 1.57

Purge Volume (3 x Casing Volume): 4.70

Purge Information

Purge Start Time: 1050

Purge Method: LOW FLOW

Flow Rate: .46 L/MIN

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1100 | 10.50 | 7.02 | 839.2 | 15.76 | 0.38 | -114 | 132.1 |
| 1105 | 12.0 | 6.98 | 833.4 | 15.58 | 0.15 | -119 | 57.4 |
| 1110 | 13.0 | 6.95 | 833.6 | 15.60 | 0.12 | -121 | 17.9 |
| 1115 | 14.5 | 6.94 | 831.6 | 15.53 | 0.11 | -123 | 11.5 |
| 1120 | 16.0 | 6.94 | 833.0 | 15.65 | 0.10 | -124 | 6.7 |
| 1125 | 17.0 | 6.96 | 821.0 | 15.04 | 0.10 | -128 | 4.7 |
| 1130 | 18.0 | 6.96 | 821.3 | 15.08 | 0.10 | -130 | 4.5 |
| 1135 | 19.0 | 6.96 | 820.2 | 15.05 | 0.11 | -131 | 4.5 |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1135

Total Volume Purged: 19.0

Final Depth to Water: 40.2

Sampling Information

Wellhead Gas Measurements: NONE

Sample Collection Time: 1135

Analytical Suite Collected: VOC'S

QAQC Samples Collected: NONE

Notes: _____



Groundwater Sampling Form

Well No. MW-138

Client: CHEVRON
Project: MONTHLY SOUTHWEST QUAD DEC 09
Project No. 500-017-012

Well Condition: GOOD
Geologist: D. BARRETT
Date: 12-14-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 49.95
 Depth to Water: 40.3
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 9.65
 Casing Volume (Water Column x Gallons per foot): 1.54
 Purge Volume (3 x Casing Volume): 4.63

Purge Information

Purge Start Time: ~~9:50~~ 9:50
 Purge Method: Low Flow
 Flow Rate: .46 L/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|-------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 10:00 | 9.0 | 7.13 | 774.7 | 15.70 | 0.21 | -33 | 120.2 |
| 10:05 | 10.5 | 7.0 | 784.0 | 15.75 | 0.17 | -40 | 16.7 |
| 10:10 | 12.0 | 6.95 | 786.0 | 15.79 | 0.16 | -55 | 5.4 |
| 10:15 | 13.5 | 6.92 | 788.1 | 15.86 | 0.14 | -60 | 2.3 |
| 10:20 | 14.5 | 6.92 | 788.8 | 15.89 | 0.13 | -62 | 2.1 |
| 10:25 | 16.0 | 6.91 | 789.5 | 15.91 | 0.12 | -64 | 1.7 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 10:25
 Total Volume Purged: 16.0
 Final Depth to Water: 40.3

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 10:25
 Analytical Suite Collected: VOC's
 QAQC Samples Collected: NONE

Notes: _____

Analysis Request / Environmental Services Chain of Custody



For Lancaster Laboratories use only
 Acct. # _____ Group# _____ Sample # _____

COC # 211770

Please print. Instructions on reverse side correspond with circled numbers.

| <p>1 Client: <u>CHEVON</u> Acct. #: <u>11494</u></p> <p>Project Name/#: <u>MIDWAY SOUTHWEST OHIO DESIGN</u> PWSID #: <u>WILSON1700 M20</u></p> <p>Project Manager: <u>DUG LAM</u> P.O.#: _____</p> <p>Sampler: <u>DALE BARRETT</u> Quote #: _____</p> <p>Name of state where samples were collected: <u>OHIO</u></p> | <p>3</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sample Identification</th> <th>Date Collected</th> <th>Time Collected</th> <th>Grab</th> <th>Composite</th> <th>Soil</th> <th>Water</th> <th>Other</th> <th>Total # of Containers</th> </tr> </thead> <tbody> <tr> <td>MW-133, 121109</td> <td>12-11-09</td> <td>1010</td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td>3</td> </tr> <tr> <td>MW-35, 121109</td> <td>12-11-09</td> <td>1120</td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td>3</td> </tr> <tr> <td>MW-138, 121409</td> <td>12-14-09</td> <td>1025</td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td>3</td> </tr> <tr> <td>MW-139, 121409</td> <td>12-14-09</td> <td>1135</td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td>3</td> </tr> <tr> <td>MW-142, 121409</td> <td>12-14-09</td> <td>1240</td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td>3</td> </tr> <tr> <td>TRIP BLANK, 121409</td> <td>12-14-09</td> <td>1425</td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td>2</td> </tr> </tbody> </table> | Sample Identification | Date Collected | Time Collected | Grab | Composite | Soil | Water | Other | Total # of Containers | MW-133, 121109 | 12-11-09 | 1010 | X | | | X | | 3 | MW-35, 121109 | 12-11-09 | 1120 | X | | | X | | 3 | MW-138, 121409 | 12-14-09 | 1025 | X | | | X | | 3 | MW-139, 121409 | 12-14-09 | 1135 | X | | | X | | 3 | MW-142, 121409 | 12-14-09 | 1240 | X | | | X | | 3 | TRIP BLANK, 121409 | 12-14-09 | 1425 | X | | | X | | 2 | <p>4</p> <p>Matrix</p> <p>Check if applicable: <input type="checkbox"/> Potable <input type="checkbox"/> NPDES</p> | <p>5 Analyses Requested</p> <p>Preservation Codes</p> | <p>6</p> <p>Preservation Codes</p> <p>H=HCl T=Thiosulfate N=HNO₃ B=NaOH S=H₂SO₄ O=Other</p> <p>Temperature of samples (upon receipt if requested)</p> | <p>Remarks</p> <p><u>SEE ATTACHED</u></p> <p><u>ANALYTE LIST</u></p> |
|---|--|-----------------------|----------------|----------------|---|---|---|---|---|---|----------------|----------|------|---|--|--|---|--|---|---------------|----------|------|---|--|--|---|--|---|----------------|----------|------|---|--|--|---|--|---|----------------|----------|------|---|--|--|---|--|---|----------------|----------|------|---|--|--|---|--|---|--------------------|----------|------|---|--|--|---|--|---|---|--|---|--|
| Sample Identification | Date Collected | Time Collected | Grab | Composite | Soil | Water | Other | Total # of Containers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW-133, 121109 | 12-11-09 | 1010 | X | | | X | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW-35, 121109 | 12-11-09 | 1120 | X | | | X | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW-138, 121409 | 12-14-09 | 1025 | X | | | X | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW-139, 121409 | 12-14-09 | 1135 | X | | | X | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW-142, 121409 | 12-14-09 | 1240 | X | | | X | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TRIP BLANK, 121409 | 12-14-09 | 1425 | X | | | X | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>7 Turnaround Time Requested (TAT) (please circle): Normal (Rush)</p> <p>(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)</p> <p>Date results are needed: <u>ASAP</u></p> <p>Rush results requested by (please circle): Phone Fax E-mail</p> <p>Phone #: <u>513 353 1323</u> Fax #: <u>513 353 4664</u></p> <p>E-mail address: <u>MM.TEMELCO@TR.HYDRO.COM</u></p> | | | | | <p>Relinquished by: <u>Dale Barrett</u></p> <p>Relinquished by:</p> <p>Relinquished by:</p> <p>Relinquished by:</p> <p>Relinquished by:</p> | <p>Date</p> <p>Date</p> <p>Date</p> <p>Date</p> <p>Date</p> | <p>Time</p> <p>Time</p> <p>Time</p> <p>Time</p> <p>Time</p> | <p>Received by:</p> <p>Received by:</p> <p>Received by:</p> <p>Received by:</p> <p>Received by:</p> | <p>Date</p> <p>Date</p> <p>Date</p> <p>Date</p> <p>Date</p> | <p>Time</p> <p>Time</p> <p>Time</p> <p>Time</p> <p>Time</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>8 Data Package Options (please circle if required)</p> <p>Type I (validation/NJ Reg) TX TRRP-13 SDG Complete? Yes No</p> <p>Type II (Tier II) MA MCP CT RCP</p> <p>Type III (Reduced NJ) Site-specific QC (MS/MSD/Dup)? Yes No</p> <p>Type IV (GLP SOW) (if yes, indicate QC sample and submit triplicate volume.)</p> <p>Type VI (Raw Data Only) Internal COC Required? Yes / No</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Groundwater Sampling Form

Well No. BMW-15

Client: Chevron
Project: Brentfield 402009
Project No.: 500-017-012

Well Condition: Good
Geologist: J.H.H
Date: 12-8-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 50.29
 Depth to Water: 12.05
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 38.24
 Casing Volume (Water Column x Gallons per foot): 6.12
 Purge Volume (3 x Casing Volume): 18.36

Purge Information

Purge Start Time: 1435
 Purge Method: Low Head
 Flow Rate: 0.3

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 1445 | 4.0 | 8.30 | 516.6 | 6.24 | 8.04 | -14 | 27.9 |
| 1450 | 5.0 | 8.29 | 516.7 | 6.21 | 7.72 | -13 | 28.4 |
| 1455 | 6.5 | 8.29 | 516.7 | 6.20 | 7.67 | -13 | 30.0 |
| 1500 | 8.5 | 8.28 | 516.8 | 6.20 | 7.71 | -14 | 29.7 |
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Purge Finish Time: 1500
 Total Volume Purged: 17.5
 Final Depth to Water: 12.07

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1500
 Analytical Suite Collected: COC
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. BMW-11

Client: Chevron
Project: Barrier Well 402009
Project No.: S00-617-012

Well Condition: Good
Geologist: J. Hall
Date: 12-8-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 50.0
Depth to Water: 7.92
Depth to Product: ND
Casing Diameter: 2"
Water Column: 42.08
Casing Volume (Water Column x Gallons per foot): 6.73
Purge Volume (3 x Casing Volume): 20.2

Purge Information

Purge Start Time: 1345
Purge Method: Low Flow
Flow Rate: 0.19

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 1355 | 1.5 | 8.10 | 539.6 | 7.15 | 8.69 | -28 | 8.9 |
| 1400 | 2.5 | 8.13 | 552.3 | 8.14 | 8.26 | -28 | 1.6 |
| 1405 | 3.5 | 8.14 | 551.8 | 8.15 | 4.26 | -28 | 1.3 |
| 1410 | 4.5 | 8.14 | 552.7 | 8.20 | 4.26 | -27 | 1.5 |
| 1415 | 5.7 | 8.14 | 552.3 | 8.21 | 4.27 | -27 | 0.6 |
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Purge Finish Time: 1415
Total Volume Purged: 5.7
Final Depth to Water: 7.91

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1415
Analytical Suite Collected: COE
QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. BMW-1D

Client: Cherona
 Project: Brown Hill 422609
 Project No. 500-017-012

Well Condition: Good
 Geologist: SHH
 Date: 12-8-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 5020
 Depth to Water: 7.50
 Depth to Product: NO
 Casing Diameter: 8"
 Water Column: 42.7
 Casing Volume (Water Column x Gallons per foot): 6.83
 Purge Volume (3 x Casing Volume): 20.5

Purge Information

Purge Start Time: 1300
 Purge Method: Surfline
 Flow Rate: 0.24

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 1310 | 3.0 | 7.93 | 571.4 | 10.40 | 3.46 | -75 | 4.2 |
| 1315 | 4.0 | 7.91 | 572.6 | 10.48 | 2.95 | -83 | 1.0 |
| 1320 | 5.0 | 7.90 | 578.6 | 10.47 | 2.72 | -83 | 0.8 |
| 1325 | 6.0 | 7.90 | 577.7 | 10.50 | 2.78 | -83 | 0.6 |
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Purge Finish Time: 1325
 Total Volume Purged: 6.0
 Final Depth to Water: 17.49

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1325
 Analytical Suite Collected: COL
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. MA-136D

Client: Chescon
 Project: Barrier Wall 4Q 2009
 Project No. 500-017-012

Well Condition: Good
 Geologist: JH-11
 Date: 12-08-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 1553.15
 Depth to Water: 14.02
 Depth to Product: NO
 Casing Diameter: 2"
 Water Column: 39.13
 Casing Volume (Water Column x Gallons per foot): 6.26
 Purge Volume (3 x Casing Volume): 18.7

Purge Information

Purge Start Time: 1630
 Purge Method: Low Flow
 Flow Rate: 0.15

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 1640 | 2.0 | 7.65 | 624.9 | 13.67 | 3.27 | -20 | 1.7 |
| 1645 | 3.5 | 7.85 | 682.9 | 13.65 | 3.47 | -21 | 1.8 |
| 1700 | 4.5 | 7.85 | 682.7 | 16.67 | 3.33 | -22 | 0.9 |
| | | | | | | | |
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Purge Finish Time: 1700
 Total Volume Purged: 4.5
 Final Depth to Water: 14.02

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1700
 Analytical Suite Collected: COLMVA
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. 14W-135.5

Client: Chevron
Project: Berrinwell 492009
Project No. 500-07-12

Well Condition: (Good)
Geologist: J. Hill
Date: 12-08-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 1605
Depth to Water: 10.66
Depth to Product: ND
Casing Diameter: 2"
Water Column: 5.39
Casing Volume (Water Column x Gallons per foot): 0.86
Purge Volume (3 x Casing Volume): 2.6

Purge Information

Purge Start Time: 12:07
Purge Method: Low Flow
Flow Rate: 0.21

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1215 | 2.0 | 7.67 | 566.1 | 15.32 | 0.52 | -126 | 111.5 |
| 1220 | 3.0 | 7.67 | 573.8 | 15.70 | 0.34 | -124 | 50.8 |
| 1225 | 4.0 | 7.66 | 578.7 | 15.85 | 0.30 | -122 | 20.1 |
| 1230 | 5.0 | 7.65 | 583.7 | 16.15 | 0.29 | -120 | 11.3 |
| 1235 | 6.0 | 7.65 | 581.0 | 15.85 | 0.29 | -120 | 7.0 |
| 1240 | 7.0 | 7.65 | 583.1 | 15.91 | 0.28 | -121 | 5.2 |
| | | | | | | | |
| | | | | | | | |
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Purge Finish Time: 1240
Total Volume Purged: 7.0L
Final Depth to Water: 10.68

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1240
Analytical Suite Collected: COL
QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. MJ-135D

Client: Chowen
 Project: Barrier Wall Dec 2009
 Project No.: 500-017-012

Well Condition: Good
 Geologist: T.H.1
 Date: 12-8-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 52.45
 Depth to Water: 10.36
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 42.09
 Casing Volume (Water Column x Gallons per foot): 6.23
 Purge Volume (3 x Casing Volume): 20.80

Purge Information

Purge Start Time: 0957
 Purge Method: Low Flow
 Flow Rate: 200 ml/min

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-------|-----------|
| 1002 | 2.0 | 7.88 | 596.7 | 13.58 | 0.55 | 95 | 168.1 |
| 1007 | 3.0 | 7.73 | 577.2 | 12.58 | 0.42 | 68 | 92.3 |
| 1012 | 3.5 | 7.92 | 568.9 | 12.08 | 0.50 | 38 | 47.6 |
| 1017 | 4.5 | 7.92 | 574.4 | 11.89 | 0.61 | 24.17 | 24.0 |
| 1022 | 5.5 | 7.95 | 603.9 | 16.34 | 0.44 | -27 | 13.3 |
| 1027 | 6.7 | 7.87 | 633.9 | 16.67 | 0.33 | -44 | 5.0 |
| 1032 | 7.5 | 7.86 | 633.5 | 16.69 | 0.31 | -52 | 3.7 |
| 1037 | 8.5 | 7.86 | 634.4 | 16.71 | 0.31 | -54 | 1.6 |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1037
 Total Volume Purged: 8.56
 Final Depth to Water: 10.37

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1037
 Analytical Suite Collected: COC
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. MW-135I

Client: Chevron
 Project: Barrow Well 402009
 Project No. 500-017-012

Well Condition: Good
 Geologist: J.H.V
 Date: 12-08-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 10.5' 38.50
 Depth to Water: 10.58
 Depth to Product: N/A
 Casing Diameter: 2"
 Water Column: 27.92
 Casing Volume (Water Column x Gallons per foot): 4.47
 Purge Volume (3 x Casing Volume): 13.4

Purge Information

Purge Start Time: 11:05
 Purge Method: Low Flow
 Flow Rate: 0.23

| Time | Volume Removed L | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|-------|---------------------|------|-----------------------|-------------|------|-----|-----------|
| 11:10 | 3.0 | 7.89 | 605.7 | 16.61 | 4.64 | -8 | 164.2 |
| 11:15 | 4.5 | 7.95 | 582.5 | 14.85 | 2.88 | -11 | 57.7 |
| 11:20 | 5.5 | 7.88 | 577.0 | 14.42 | 0.57 | -15 | 42.5 |
| 11:25 | 6.5 | 7.87 | 577.5 | 14.59 | 0.37 | -25 | 28.7 |
| 11:40 | 8.5 | 7.86 | 580.7 | 14.86 | 0.30 | -51 | 6.2 |
| 11:45 | 9.5 | 7.85 | 583.7 | 14.96 | 0.29 | -54 | 4.7 |
| 11:50 | 10.5 | 7.86 | 582.7 | 14.98 | 0.28 | -55 | 5.0 |
| | | | | | | | |
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| | | | | | | | |

Purge Finish Time: 11:50
 Total Volume Purged: 10.5L
 Final Depth to Water: 10.58

Sampling Information

Wellhead Gas Measurements: N/A
 Sample Collection Time: 11:50
 Analytical Suite Collected: COC
 QAQC Samples Collected: N/A

Notes: _____



Groundwater Sampling Form

Well No. BMW-10

Client: Chevron
Project: Berrie Well 4Q2009
Project No.: 506-017-012

Well Condition: Good
Geologist: J.H.H
Date: 12-15-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 49.80
Depth to Water: 6.88
Depth to Product: ND
Casing Diameter: 8"
Water Column: 42.92
Casing Volume (Water Column x Gallons per foot): 6.87
Purge Volume (3 x Casing Volume): 20.6

Purge Information

Purge Start Time: 1500
Purge Method: Low Flow
Flow Rate: 0.2

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1515 | 3.0 | 7.47 | 536.8 | 7.89 | 0.34 | -131 | 50.5 |
| 1520 | 4.0 | 7.51 | 534.9 | 7.68 | 0.30 | -135 | 26.4 |
| 1525 | 5.0 | 7.53 | 533.3 | 7.69 | 0.29 | -137 | 17.1 |
| 1530 | 5.9 | 7.57 | 535.7 | 7.84 | 0.28 | -140 | 13.8 |
| 1535 | 7.0 | 7.58 | 533.7 | 7.68 | 0.27 | -141 | 9.7 |
| 1540 | 8.1 | 7.59 | 534.9 | 7.71 | 0.26 | -142 | 9.2 |
| 1545 | 9.0 | 7.60 | 534.7 | 7.79 | 0.25 | -143 | 9.4 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1545
Total Volume Purged: 9.0
Final Depth to Water: 6.87

Sampling Information

Wellhead Gas Measurements: None
Sample Collection Time: 1545
Analytical Suite Collected: COG / MVA
QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. MW-136S

Client: Chloro
 Project: Berrier Wall 4Q 2009
 Project No.: 506-017-012

Well Condition: Good
 Geologist: J. Hill D Barrett
 Date: 12-15-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 15.55
 Depth to Water: 12.16
 Depth to Product: N/D
 Casing Diameter: 8"
 Water Column: 3.39
 Casing Volume (Water Column x Gallons per foot): 0.54
 Purge Volume (3 x Casing Volume): 1.63

Purge Information

Purge Start Time: 1320
 Purge Method: Low Flow
 Flow Rate: 0.27

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1330 | 3.0 | 7.10 | 1010 | 15.04 | 0.13 | -142 | 281.0 |
| 1335 | 4.0 | 7.06 | 1004 | 14.91 | 0.10 | -143 | 188.4 |
| 1340 | 5.0 | 7.03 | 1002 | 15.50 | 0.10 | -146 | 109.9 |
| 1345 | 6.0 | 6.97 | 1026 | 16.30 | 0.08 | -147 | 29.2 |
| 1350 | 8.25 | 6.96 | 1024 | 16.56 | 0.07 | -154 | 11.9 |
| 1355 | 10.0 | 6.90 | 1002 | 15.64 | 0.07 | -152 | 7.6 |
| 1400 | 11.0 | 6.94 | 1007 | 15.82 | 0.06 | -153 | 7.3 |
| 1405 | 12.0 | 6.96 | 1005 | 15.78 | 0.05 | -154 | 5.9 |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1405
 Total Volume Purged: 12.0
 Final Depth to Water: 12.16

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1405
 Analytical Suite Collected: MNA/COC
 QAQC Samples Collected: (COC) BD-1, 12/15/09

Notes: _____



Groundwater Sampling Form

Well No. MW-136E

Client: Chewon
 Project: Barrick Hill 492009
 Project No.: 501-017-012

Well Condition: Good
 Geologist: J. Hall D. Barrett
 Date: 12-15-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 35.90
 Depth to Water: 12.66
 Depth to Product: 10
 Casing Diameter: 8"
 Water Column: 23.34
 Casing Volume (Water Column x Gallons per foot): 3.73
 Purge Volume (3 x Casing Volume): 11.2

Purge Information

Purge Start Time: 10:25
 Purge Method: Low F/W
 Flow Rate: 0.16

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|-------|----------------|------|-----------------------|-------------|------|------|-----------|
| 10:35 | 2.0 | 7.63 | 592.7 | 11.15 | 0.16 | -58 | 1447.8 |
| 10:45 | 4.0 | 7.59 | 613.8 | 12.25 | 0.15 | -84 | 607.9 |
| 10:50 | 5.0 | 7.59 | 608.4 | 11.86 | 0.14 | -88 | 239.7 |
| 10:55 | 6.0 | 7.58 | 613.2 | 12.12 | 0.14 | -91 | 95.8 |
| 11:00 | 6.5 | 7.58 | 617.7 | 12.27 | 0.10 | -93 | 48.9 |
| 11:05 | 7.25 | 7.58 | 611.1 | 11.97 | 0.10 | -96 | 28.5 |
| 11:10 | 8.0 | 7.58 | 615.0 | 12.18 | 0.10 | -99 | 17.3 |
| 11:15 | 9.0 | 7.58 | 609.5 | 11.80 | 0.09 | -102 | 29.8 |
| 11:20 | 9.8 | 7.58 | 607.8 | 11.61 | 0.09 | -104 | 26.7 |
| 11:25 | 10.25 | 7.58 | 612.5 | 12.01 | 0.09 | -106 | 26.7 |
| 11:30 | 11.0 | 7.58 | 612.7 | 12.05 | 0.09 | -107 | 27.1 |

Purge Finish Time: 11:30
 Total Volume Purged: 11.0
 Final Depth to Water: 12.57

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 11:30
 Analytical Suite Collected: COL/M/A
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. B114-2S

Client: Clason
Project: Berlin Hill 4a 2009
Project No. 506-017-012

Well Condition: (good)
Geologist: S. Hill
Date: 12-16-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 53.0
 Depth to Water: 16.69
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 42.31
 Casing Volume (Water Column x Gallons per foot): 6.77
 Purge Volume (3 x Casing Volume): 20.31

Purge Information

Purge Start Time: 1535
 Purge Method: Low flow
 Flow Rate: 0.21

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 1545 | 2.0 | 7.84 | 399.1 | 4.84 | 1.43 | -48 | 0.3 |
| 1550 | 3.0 | 7.85 | 398.7 | 4.83 | 1.39 | -48 | 0.3 |
| 1555 | 4.25 | 7.85 | 399.2 | 4.81 | 1.38 | -47 | 0.2 |
| | | | | | | | |
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Purge Finish Time: 1555
 Total Volume Purged: 4.25
 Final Depth to Water: 10.69

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1555
 Analytical Suite Collected: COCMVA
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. BMW-21

Client: Claro
 Project: Borio Well 4Q 2009
 Project No. 500-017-012

Well Condition: (Good)
 Geologist: J. Hill
 Date: 12-16-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 49.00
 Depth to Water: 6.55
 Depth to Product: 100
 Casing Diameter: 2"
 Water Column: 42.45
 Casing Volume (Water Column x Gallons per foot): 6.8
 Purge Volume (3 x Casing Volume): 20.35

Purge Information

Purge Start Time: 1430
 Purge Method: Low Flow
 Flow Rate: 0.27

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 1440 | 3.0 | 7.90 | 409.4 | 6.66 | 0.69 | -60 | 11.7 |
| 1445 | 4.25 | 7.89 | 409.9 | 6.63 | 0.61 | -67 | 2.7 |
| 1450 | 5.5 | 7.90 | 409.0 | 6.51 | 0.53 | -74 | 1.8 |
| 1455 | 6.75 | 7.89 | 409.6 | 6.56 | 0.52 | -76 | 0.6 |
| | | | | | | | |
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Purge Finish Time: 1455
 Total Volume Purged: 6.75
 Final Depth to Water: 6.55

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1455
 Analytical Suite Collected: Col/PA
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. Bmw 3I

Client: CHEVRON
 Project: BARRIER WALL 4TH QTR 2009
 Project No. 500-017-012

Well Condition: GOOD
 Geologist: J. HALT + D. BARRETT
 Date: 12-17-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 47.15
 Depth to Water: 7.53
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 41.62
 Casing Volume (Water Column x Gallons per foot): 6.66
 Purge Volume (3 x Casing Volume): 19.97

Purge Information

Purge Start Time: 1050
 Purge Method: Low Flow
 Flow Rate: 0.25

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1100 | 4.0 | 7.64 | 465.2 | 8.56 | 0.15 | -99 | 1.5 |
| 1105 | 5.0 | 7.64 | 466.4 | 8.55 | 0.13 | -111 | 1.4 |
| 1110 | 6.0 | 7.64 | 468.4 | 8.76 | 0.12 | -117 | 3.8 |
| 1115 | 7.0 | 7.64 | 468.3 | 8.77 | 0.12 | -119 | 1.5 |
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Purge Finish Time: 1115
 Total Volume Purged: 7.0
 Final Depth to Water: 7.53

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1115
 Analytical Suite Collected: COG MJA
 QAQC Samples Collected: NONE

Notes: _____



Groundwater Sampling Form

Well No. BMW-310

Client: CITEVMS
Project: BARRIER WALL 4TH STIL
Project No.: 500-017-012

Well Condition: GOOD
Geologist: S. J. D. Perreault
Date: 12-17-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 46.5
 Depth to Water: 7.25
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 39.25
 Casing Volume (Water Column x Gallons per foot): 6.28
 Purge Volume (3 x Casing Volume): 18.84

Purge Information

Purge Start Time: 1005
 Purge Method: Low Flow
 Flow Rate: 0.26

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 1005 | 3.5 | 7.64 | 528.8 | 11.43 | 0.45 | -42 | 4.2 |
| 1020 | 4.5 | 7.63 | 511.4 | 10.33 | 0.21 | -77 | 1.8 |
| 1025 | 5.5 | 7.60 | 518.6 | 11.16 | 0.17 | -92 | 0.6 |
| 1030 | 6.5 | 7.58 | 521.6 | 11.17 | 0.15 | -97 | 0.4 |
| | | | | | | | |
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Purge Finish Time: 1030
 Total Volume Purged: 6.5
 Final Depth to Water: 7.25

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1030
 Analytical Suite Collected: CO2, MNA
 QAQC Samples Collected: NONE

Notes: _____



Groundwater Sampling Form

Well No 3MW-30

Client: Ch...
 Project: Barrie Well 40 Dec 9
 Project No. 500-017-012

Well Condition: Good
 Geologist: William D Barrett
 Date: 12-17-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 52.55
 Depth to Water: 11.22
 Depth to Product: ND
 Casing Diameter: 8"
 Water Column: 41.33
 Casing Volume (Water Column x Gallons per foot): 6.6
 Purge Volume (3 x Casing Volume): 19.84

Purge Information

Purge Start Time: 1335
 Purge Method: Low Flow
 Flow Rate: 0.26

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1345 | 1.5 | 7.89 | 424.3 | 7.64 | 0.20 | -114 | 273 |
| 1350 | 2.5 | 7.85 | 423.8 | 7.57 | 0.16 | -117 | 221.9 |
| 1355 | 4.0 | 7.82 | 428.4 | 8.40 | 0.11 | -124 | 127.1 |
| 1400 | 6.0 | 7.80 | 426.0 | 8.29 | 0.08 | -130 | 75.6 |
| 1405 | 8.0 | 7.77 | 424.2 | 8.10 | 0.07 | -135 | 61.3 |
| 1410 | 9.0 | 7.75 | 423.9 | 7.92 | 0.07 | -137 | 43.4 |
| 1415 | 10.5 | 7.74 | 423.7 | 7.88 | 0.07 | -140 | 44.9 |
| 1420 | 11.75 | 7.72 | 425.9 | 7.92 | 0.05 | -141 | 41.1 |
| 1425 | 13.0 | 7.71 | 426.4 | 7.95 | 0.04 | -143 | 42.0 |
| 1430 | 14.25 | 7.70 | 427.5 | 8.0 | 0.04 | -144 | 40.0 |

Purge Finish Time: 1430
 Total Volume Purged: 14.25
 Final Depth to Water: 11.22

Sampling Information

Wellhead Gas Measurements: Pure
 Sample Collection Time: 1430
 Analytical Suite Collected: CO2, MNA
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. MW 137 S

Client: Chem
 Project: Borewell 40 2009
 Project No.: 500-017-012

Well Condition: GOOD
 Geologist: J. HALL + D. BARRETT
 Date: 12-17-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 16.0
 Depth to Water: 13.10
 Depth to Product: NO
 Casing Diameter: 8"
 Water Column: 2.9
 Casing Volume (Water Column x Gallons per foot): 0.46
 Purge Volume (3 x Casing Volume): 1.4

Purge Information

Purge Start Time: 1450
 Purge Method: LOW FLOW
 Flow Rate: 0.23

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|------|-----------|
| 1500 | 2.0 | 7.14 | 716.4 | 14.72 | 0.17 | -89 | 104.4 |
| 1505 | 3.5 | 7.15 | 717.3 | 14.91 | 0.19 | -98 | 24.1 |
| 1510 | 5.0 | 7.15 | 682.5 | 14.95 | 0.22 | -102 | 1.4 |
| 1515 | 6.0 | 7.15 | 651.7 | 14.98 | 0.24 | -104 | 3.6 |
| 1520 | 7.0 | 7.15 | 650.7 | 15.03 | 0.25 | -106 | 1.8 |
| 1525 | 8.0 | 7.15 | 650.7 | 15.03 | 0.26 | -106 | 2.5 |
| | | | | | | | |
| | | | | | | | |
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Purge Finish Time: 1525
 Total Volume Purged: 8.0
 Final Depth to Water: 13.10

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1525
 Analytical Suite Collected: COC/MA
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. RSU-30

Client: CHEVRON
 Project: BARRIER WALL 4TH AIL 2009
 Project No. 500-017-012

Well Condition: Good
 Geologist: J. HALL + D. BARRETT
 Date: 12-21-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: ? UNK
 Depth to Water: 17.40
 Depth to Product: NO
 Casing Diameter: 8"
 Water Column: UNK
 Casing Volume (Water Column x Gallons per foot): UNK
 Purge Volume (3 x Casing Volume): UNK

Purge Information

Purge Start Time: 1300
 Purge Method: Low flow
 Flow Rate: 0.2

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 1310 | 10 | 7.34 | 410.4 | 4.64 | 0.25 | -74 | 16.0 |
| 1315 | 11.5 | 7.41 | 410.5 | 4.64 | 0.18 | -79 | 9.9 |
| 1320 | 12.5 | 7.43 | 410.5 | 4.63 | 0.14 | -78 | 8.8 |
| 1325 | 13.5 | 7.44 | 412.0 | 4.73 | 0.13 | -77 | 8.2 |
| 1330 | 14.5 | 7.46 | 411.7 | 4.70 | 0.12 | -75 | 7.9 |
| 1335 | 15.5 | 7.46 | 411.7 | 4.70 | 0.12 | -75 | 7.7 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1335
 Total Volume Purged: 15.5
 Final Depth to Water: 17.40

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1335
 Analytical Suite Collected: CDC, MVA
 QAQC Samples Collected: None

Notes: Pump set 3 1/2' from BTM, Packer measure @ 60 PSI



Groundwater Sampling Form

Well No. BSW35

Client: Chevron
 Project: Barrow Well 402009
 Project No.: 500-017-012

Well Condition: GOOD
 Geologist: J. HALL & D BARRETT
 Date: 12-21-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: UNK
 Depth to Water: 17.40
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: UNK
 Casing Volume (Water Column x Gallons per foot): UNK
 Purge Volume (3 x Casing Volume): UNK

Purge Information

Purge Start Time: 1430
 Purge Method: Low Flow
 Flow Rate: 0.38

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 1440 | 9.0 | 8.05 | 499.4 | 4.94 | 9.14 | 18 | 36.2 |
| 1445 | 10.0 | 8.03 | 502.1 | 5.19 | 8.90 | 26 | 20.8 |
| 1450 | 11.0 | 8.03 | 502.6 | 5.19 | 8.77 | 34 | 16.2 |
| 1455 | 12.0 | 8.03 | 503.4 | 5.25 | 8.74 | 41 | 16.1 |
| 1500 | 13.0 | 8.04 | 501.2 | 5.11 | 8.70 | 47 | 14.8 |
| 1505 | 14.0 | 8.03 | 506.8 | 5.50 | 8.67 | 56 | 13.7 |
| 1510 | 15.0 | 8.03 | 505.3 | 5.40 | 8.64 | 58 | 13.8 |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1510
 Total Volume Purged: 15.0
 Final Depth to Water: 17.42

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1510
 Analytical Suite Collected: DOC
 QAQC Samples Collected: FIELD (FB/12/21/09) @ 1445

Notes: PUMP SET @ 20' BELOW MPE PACKER PRESSURE @ 60 PSI



Groundwater Sampling Form

Well No. MW-1371

Client: Champion
 Project: Reservoir #11 4Q2009
 Project No. 500-017-012

Well Condition: Good
 Geologist: SLH
 Date: 12-21-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 3850
 Depth to Water: 1330
 Depth to Product: NO
 Casing Diameter: 0"
 Water Column: 252
 Casing Volume (Water Column x Gallons per foot): 6.03
 Purge Volume (3 x Casing Volume): 18.1

Purge Information

Purge Start Time: 1305
 Purge Method: Low Flow
 Flow Rate: 0.21

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 1315 | 2.5 | 7.74 | 566.5 | 13.11 | 5.92 | -58 | 155.7 |
| 1325 | 4.5 | 7.73 | 560.2 | 13.41 | 0.59 | -83 | 40.6 |
| 1335 | 6.5 | 7.72 | 556.9 | 13.27 | 0.49 | -86 | 14.4 |
| 1345 | 8.5 | 7.71 | 564.5 | 13.57 | 0.45 | -86 | 3.6 |
| 1350 | 9.5 | 7.70 | 561.0 | 13.73 | 0.44 | -86 | 1.9 |
| 1355 | 10.5 | 7.71 | 556.1 | 13.61 | 0.43 | -87 | 1.5 |
| 1400 | 11.5 | 7.70 | 556.8 | 13.63 | 0.42 | -88 | 0.9 |
| | | | | | | | |
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Purge Finish Time: 1400
 Total Volume Purged: 11.5
 Final Depth to Water: 1331

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1400
 Analytical Suite Collected: Col/MNA
 QAQC Samples Collected: None

Notes: _____



Groundwater Sampling Form

Well No. MJ-137D

Client: Chevron
 Project: Barrio Well 4Q2009
 Project No.: 500-017-012

Well Condition: Good
 Geologist: J.H.H.
 Date: 12-22-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: 52.60
 Depth to Water: 12.99
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: 39.61
 Casing Volume (Water Column x Gallons per foot): 6.34
 Purge Volume (3 x Casing Volume): 19.02

Purge Information

Purge Start Time: 0935
 Purge Method: Low Flow
 Flow Rate: 0.11

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 0945 | 2.0 | 7.74 | 559.0 | 11.51 | 0.65 | 31 | 57.9 |
| 0950 | 3.0 | 7.71 | 559.3 | 11.75 | 0.64 | 34 | 23.5 |
| 0955 | 4.25 | 7.66 | 558.7 | 11.89 | 0.63 | 39 | 9.8 |
| 1000 | 5.25 | 7.66 | 560.1 | 11.70 | 0.62 | 41 | 8.4 |
| 1005 | 6.25 | 7.66 | 559.5 | 11.71 | 0.61 | 42 | 7.1 |
| | | | | | | | |
| | | | | | | | |
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| | | | | | | | |

Purge Finish Time: 1005
 Total Volume Purged: 6.25
 Final Depth to Water: 12.99

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1005
 Analytical Suite Collected: COL/MNA
 QAQC Samples Collected: MJ-137D MS/MSD, 122209

Notes: _____



Groundwater Sampling Form

Well No. BSU-10

Client: Chloro
Project: Basin Well 409069
Project No. 500-017-012

Well Condition: Good
Geologist: T. HALL & T. ARLETT
Date: 12-22-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: UNK
Depth to Water: 13.28
Depth to Product: ND
Casing Diameter: 8"
Water Column: UNK
Casing Volume (Water Column x Gallons per foot): UNK
Purge Volume (3 x Casing Volume): UNK

Purge Information

Purge Start Time: 1320
Purge Method: Low Flow
Flow Rate: 0.38

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 1330 | 10.5 | 7.60 | 519.9 | 6.36 | 0.59 | 400 | 292.0 |
| 1335 | 11.5 | 7.62 | 504.4 | 5.30 | 0.31 | 377 | 153.7 |
| 1340 | 12.5 | 7.59 | 514.2 | 6.07 | 0.85 | 316 | 27.4 |
| 1345 | 13.5 | 7.60 | 514.3 | 6.01 | 0.90 | 305 | 13.8 |
| 1350 | 14.5 | 7.60 | 515.0 | 6.04 | 1.08 | 312 | 10.5 |
| 1355 | 15.5 | 7.60 | 514.6 | 5.99 | 1.20 | 309 | 12.3 |
| 1400 | 16.5 | 7.60 | 514.5 | 5.98 | 1.48 | 308 | 12.6 |
| 1405 | 17.5 | 7.60 | 517.0 | 6.00 | 1.49 | 306 | 12.0 |
| | | | | | | | |
| | | | | | | | |

Purge Finish Time: 1405
Total Volume Purged: 17.5
Final Depth to Water: 13.28

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1405
Analytical Suite Collected: COC MNA
QAQC Samples Collected: None

Notes: Pump setting 3' from BTM Packer 60 PSI



Groundwater Sampling Form

Well No. BSW-15

Client: CHEVRON
 Project: BARRIER WALL 4 QTR 2009
 Project No.: 500-017-012

Well Condition: GOOD
 Geologist: T. HALL + D. BARRETT
 Date: 12-22-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: LINK
 Depth to Water: 1328
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: LINK
 Casing Volume (Water Column x Gallons per foot): LINK
 Purge Volume (3 x Casing Volume): LINK

Purge Information

Purge Start Time: 1430
 Purge Method: Low Flow
 Flow Rate: 0.2G

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 1440 | 4.0 | 7.59 | 570.6 | 9.62 | 1.76 | 406 | 7.4 |
| 1445 | 5.0 | 7.59 | 580.4 | 10.22 | 1.62 | 378 | 7.0 |
| 1450 | 6.5 | 7.59 | 587.1 | 10.65 | 1.56 | 363 | 7.0 |
| 1455 | 6.5 | 7.59 | 589.1 | 10.70 | 1.52 | 358 | 6.8 |
| | | | | | | | |
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Purge Finish Time: 1455
 Total Volume Purged: 6.5
 Final Depth to Water: 13.88

Sampling Information

Wellhead Gas Measurements: NIL
 Sample Collection Time: 1455
 Analytical Suite Collected: COC
 QAQC Samples Collected: BD-3, 122209

Notes: _____



Groundwater Sampling Form

Well No. BSW-2D

Client: CHEVRON
 Project: BARRIER WALL 4 QTA 2009
 Project No. 500-017-012

Well Condition: Good
 Geologist: J. HALL & D. BARRETT
 Date: 12.22.09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: UNK
 Depth to Water: 16.96
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: UNK
 Casing Volume (Water Column x Gallons per foot): UNK
 Purge Volume (3 x Casing Volume): UNK

Purge Information

Purge Start Time: 0920
 Purge Method: Low Flow
 Flow Rate: 0.39 L/MIN

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 930 | 7.0 | 7.54 | 377.2 | 5.74 | 0.42 | 85 | 84.8 |
| 935 | 8.5 | 7.57 | 378.7 | 5.79 | 0.37 | 47 | 49.1 |
| 940 | 9.75 | 7.62 | 388.8 | 5.29 | 0.20 | 52 | 15.8 |
| 945 | 12.0 | 7.64 | 387.7 | 5.28 | 0.14 | 47 | 9.5 |
| 950 | 13.5 | 7.66 | 385.7 | 5.16 | 0.11 | 44 | 8.9 |
| 955 | 15.0 | 7.66 | 386.6 | 5.25 | 0.10 | 38 | 6.2 |
| 1000 | 16.5 | 7.67 | 385.9 | 5.22 | 0.08 | 34 | 5.2 |
| 1005 | 18.0 | 7.68 | 384.8 | 5.15 | 0.06 | 28 | 4.1 |
| 1010 | 19.5 | 7.68 | 385.0 | 5.18 | 0.05 | 26 | 4.0 |

Purge Finish Time: 1010
 Total Volume Purged: 19.5
 Final Depth to Water: 16.96

Sampling Information

Wellhead Gas Measurements: NONE
 Sample Collection Time: 1010
 Analytical Suite Collected: COC, MNA
 QAQC Samples Collected: NONE

Notes: PUMP SETTING 3 FEET FROM BTM Packer PS16 60



Groundwater Sampling Form

Well No. BSW-25

Client: CIAEVROF
 Project: BARRIER WALL YTHARK 2009
 Project No. 500-017-012

Well Condition: GOOD
 Geologist: J. HALL + D. BARRETT
 Date: 12-22-09

Well Information

| Casing Diameter | Gallons per Foot |
|-----------------|------------------|
| 1.5 | 0.09 |
| 2 | 0.16 |
| 4 | 0.65 |
| 6 | 1.5 |
| 8 | 2.6 |
| 10 | 4.1 |

Total Depth: UNK
 Depth to Water: 16.96
 Depth to Product: ND
 Casing Diameter: 2"
 Water Column: UNK
 Casing Volume (Water Column x Gallons per foot): UNK
 Purge Volume (3 x Casing Volume): UNK

Purge Information

Purge Start Time: 1045
 Purge Method: Low Flow
 Flow Rate: 0.30

| Time | Volume Removed | pH | Specific Conductivity | Temperature | DO | ORP | Turbidity |
|------|----------------|------|-----------------------|-------------|------|-----|-----------|
| 1055 | 7.5 | 7.69 | 447 | 3.87 | 2.89 | 304 | 135.1 |
| 1100 | 8.5 | 7.71 | 453.7 | 4.08 | 2.71 | 305 | 113.1 |
| 1105 | 9.5 | 7.72 | 452.9 | 4.17 | 2.66 | 307 | 83 |
| 1110 | 10.5 | 7.72 | 452.1 | 4.21 | 2.59 | 307 | 57.4 |
| 1115 | 11.5 | 7.72 | 450.7 | 4.24 | 2.54 | 334 | 44.6 |
| 1120 | 12.5 | 7.72 | 449.7 | 4.24 | 2.50 | 318 | 36.8 |
| 1125 | 13.5 | 7.73 | 448.8 | 4.21 | 2.47 | 312 | 32.8 |
| 1130 | 14.5 | 7.73 | 447.9 | 4.21 | 2.45 | 310 | 30.7 |
| | | | | | | | |

Purge Finish Time: 1130
 Total Volume Purged: 14.5
 Final Depth to Water: 16.96

Sampling Information

Wellhead Gas Measurements: None
 Sample Collection Time: 1130
 Analytical Suite Collected: COL
 QAQC Samples Collected: BD-2, 122209

Notes: _____



Acct. # _____ Group# _____

Sample # _____

For Lancaster Laboratories use only

Please print. Instructions on reverse side correspond with circled numbers.

COC # 216251

Analysis Request/ Environmental Services Chain of Custody

1 Client: Chorus Acct. #: 11494

Project Name/#: Service Maintenance Project PWSID #: 114117216

Project Manager: Dan Lee P.O. #: _____

Sampler: Vol. 11/17/21 E. B... Quote #: _____

Name of state where samples were collected: CA/TD

4 Matrix: Potable Check if Applicable
 NPDES

5 Analyses Requested

6 Preservation Codes

| Sample Identification | Date Collected | Time Collected | Grab | Composite | Soil | Water | Other | Total # of Containers | Relinquished by: | | Date | | Time | | Received by: | Date | | Time | Remarks | |
|-------------------------|----------------|----------------|------|-----------|------|-------|-------|-----------------------|------------------|------|------|------|------|------|--------------|------|------|------|---------|--|
| | | | | | | | | | Date | Time | Date | Time | Date | Time | | Date | Time | | | |
| MO-137D, 102209 | 10-22-09 | 1005 | X | | | | | 19 | X | X | X | X | | | | | | | | |
| RSU-1D, 102209 | 10-22-09 | 1405 | X | | | | | 19 | X | X | X | X | | | | | | | | |
| RSU-1A, 102209 | 10-22-09 | 1010 | X | | | | | 19 | X | X | X | X | | | | | | | | |
| MO-137B(MS/MSD), 102209 | 10-22-09 | 1005 | X | | | | | 8 | X | X | X | X | | | | | | | | |
| RSU-2S (MS/MSD), 102209 | 10-22-09 | 1130 | X | | | | | 8 | X | X | X | X | | | | | | | | |
| RSU-1S, 102209 | 10-22-09 | 1455 | X | | | | | 4 | X | X | X | X | | | | | | | | |
| RD-3, 102209 | 10-22-09 | --- | X | | | | | 4 | X | X | X | X | | | | | | | | |
| RSU-2S, 102209 | 10-22-09 | 1130 | X | | | | | 4 | X | X | X | X | | | | | | | | |
| RD-2, 102209 | 10-22-09 | --- | X | | | | | 4 | X | X | X | X | | | | | | | | |
| TS-2, 102209 | 10-22-09 | 1550 | X | | | | | 2 | X | X | X | X | | | | | | | | |

7 Turnaround Time Requested (TAT) (please circle): Normal Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed: _____

Rush results requested by (please circle): Phone Fax E-mail

Phone #: 513 253 1323 Fax #: 513 253 2414

E-mail address: ...

8 Data Package Options (please circle if required)

Type I (Validation/NU Reg) TX TRRP-13 SDG Complete? Yes No

Type II (Tier II) MA MCP CT RCP Yes No

Type III (Reduced NU) Site-specific QC (MS/MSD/Dup)? Yes No

Type IV (CLP SOW) Internal COC Required? Yes / No

Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____

9 Temperature of samples upon receipt (if requested)

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Analysis Request/ Environmental Services Chain of Custody



For Lancaster Laboratories use only
 Acct. # _____ Group # _____ Sample # _____

COC # 225011

Please print. Instructions on reverse side correspond with circled numbers.

1 Client: Chevron Acct. #: 11494
 Project Name #: 42-209 PWSID #: MA/CN/2009/0
 Project Manager: Douglas P.O. #: _____
 Sampler: John Hill/Dale Barrett Quote #: _____
 Name of state where samples were collected: OHIO

2 Sample Identification

| Sample Identification | Date Collected | Time Collected | Grab | Composite | Soil | Water | Other | Total # of Containers | 5 Analyses Requested | 6 |
|--------------------------|-----------------|----------------|----------|-----------|-------------------------------------|-------------------------------------|-------|-----------------------|----------------------------------|---------------------------------------|
| <u>MU-136Z, 12/15/09</u> | <u>12-15-09</u> | <u>11:30</u> | <u>X</u> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <u>19</u> | <u>MVA X</u> | <u>See Attached Analytical Report</u> |
| <u>8MU-1D, 12/15/09</u> | <u>12-15-09</u> | <u>1545</u> | <u>X</u> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <u>19</u> | <u>Dissolved Metals Analysis</u> | |
| <u>MU-136S, 12/15/09</u> | <u>12-15-09</u> | <u>1405</u> | <u>X</u> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <u>19</u> | <u>X X X</u> | <u>Dissolved Metals Analysis</u> |
| <u>BD-1, 12/15/09</u> | <u>12-15-09</u> | <u>-</u> | <u>X</u> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <u>41</u> | <u>X X X</u> | |
| <u>Tablet, 12/15/09</u> | <u>12-15-09</u> | <u>1640</u> | <u>X</u> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <u>2</u> | <u>X</u> | <u>See Summary Data Package</u> |

3 Matrix

| Matrix | 4 |
|---|-------------------------|
| <input type="checkbox"/> Potable <input type="checkbox"/> NPDES Applicable | <u>Manure Dissolved</u> |

5 Preservation Codes

| Preservation Codes | 6 |
|---|------------------------------------|
| H=HCl N=HNO ₃ S=H ₂ SO ₄ | T=Thiosulfate B=NaOH O=Other |

7 Turnaround Time Requested (TAT) (please circle): Normal Rush
 (Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
 Date results are needed: _____
 Rush results requested by (please circle): _____ Phone _____ Fax _____ E-mail _____
 Phone # 513-353-1323 Fax # 513-353-4664
 E-mail address: amarchello@taha.com

8 Data Package Options (please circle if required)

| | | |
|----------------------------|--|---------------|
| Type I (Validation/NJ Reg) | TX TRRP-13 | SDG Complete? |
| Type II (Tier II) | MA MCP CT RCP | Yes No |
| Type III (Reduced NJ) | Site-specific QC (MS/MSD/Dup)? | Yes No |
| Type IV (CLP SOW) | (If yes, indicate QC sample and submit triplicate volume.) | |
| Type VI (Raw Data Only) | Internal COC Required? | Yes / No |

9 Relinquished by:

| Relinquished by: | Date | Time | Received by: | Date | Time |
|--------------------|-----------------|--------------|--------------|------|------|
| <u>[Signature]</u> | <u>12/15/09</u> | <u>15:30</u> | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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2102.03

Analysis Request/ Environmental Services Chain of Custody



For Lancaster Laboratories use only

Acct. # _____ Group # _____ Sample # _____

COC # 225015

Please print. Instructions on reverse side correspond with circled numbers.

1 Client: Chelton Acct. #: 11494
 Project Name #: 988009 PWSID #: WAC0170020
 Project Manager: Douglas P.O.#: _____
 Sampler: John Hill Quote #: _____
 Name of state where samples were collected: OHIO

2

| Sample Identification | Date Collected | Time Collected | 3 | | | 4 | | | 5 | | | | | Remarks | 6 |
|--------------------------|-----------------|----------------|-----------|-------------------------------------|--------------------------|-------|-----------------------|--------|--------------------|---|---|---|---|---------|--|
| | | | Composite | Soil | Water | Other | Total # of Containers | Matrix | Analyses Requested | | | | | | |
| | | | Grab | Check if Potable | NPDES Applicable | | H | M | W | S | T | B | O | | |
| <u>BAW-31, 181709</u> | <u>10-17-09</u> | <u>1115</u> | X | <input checked="" type="checkbox"/> | <input type="checkbox"/> | X | X | X | X | X | X | X | X | X | <u>See Attached Analytical List</u> |
| <u>BAW-30, 121709</u> | <u>10-17-09</u> | <u>1030</u> | X | <input checked="" type="checkbox"/> | <input type="checkbox"/> | X | X | X | X | X | X | X | X | X | <u>Discolor As B.M.</u> |
| <u>BAW-35, 181709</u> | <u>10-17-09</u> | <u>1525</u> | X | <input checked="" type="checkbox"/> | <input type="checkbox"/> | X | X | X | X | X | X | X | X | X | <u>WCS 8960</u> |
| <u>BAW-35, 181709</u> | <u>10-17-09</u> | <u>1430</u> | X | <input checked="" type="checkbox"/> | <input type="checkbox"/> | X | X | X | X | X | X | X | X | X | <u>Discolor Metals As Field (As Req)</u> |
| <u>Tree Bank, 181709</u> | <u>10-17-09</u> | <u>1630</u> | X | <input checked="" type="checkbox"/> | <input type="checkbox"/> | X | X | X | X | X | X | X | X | X | <u>See Summary Data Package</u> |

7 Turnaround Time Requested (TAT) (please circle): Normal Rush
 (Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
 Date results are needed: _____
 Rush results requested by (please circle): _____ Phone _____ Fax _____ E-mail _____
 Phone # 513-353-1803 Fax # 513-353-4164
 E-mail address: Ma.Hobbell@lancasterlab.com

8 Data Package Options (please circle if required) SDG Complete?
 Type I (validation/NJ Reg) TX TRRP-13 Yes No
 Type II (Tier II) MA MCP CT RCP
 Type III (Reduced NJ) Site-specific QC (MS/MSD/Dup)? Yes No
 Type IV (CLP SOW) (If yes, indicate QC sample and submit replicate volumes.)
 Type VI (Raw Data Only) Internal COC Required? Yes / No _____

9

| Relinquished by: | Date | Time | Received by: | Date | Time |
|--------------------|------|------|--------------|------|------|
| <u>[Signature]</u> | | | | | |
| | | | | | |
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| | | | | | |
| | | | | | |



For Lancaster Laboratories use only
 Acct. # _____ Group # _____ Sample # _____

COC # 225012

Analysis Request/ Environmental Services Chain of Custody

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only
 FSC: _____
 SCR#: _____

| | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|---|--|--|--|--|--|---|--|---|--|---|--|--|--|--|--|
| 1 Client: <u>Chavron</u> Acct. #: <u>11494</u> Project Name: <u>880009</u> PWSID #: <u>PA111101200110</u> Project Manager: <u>Barbara</u> P.O. #: _____ Sampler: <u>Ed. Alf</u> Quote #: _____ Name of state where samples were collected: <u>CA</u> | | 2 Sample Identification <u>Roll-25, 121605</u> <u>Roll-25, 121609</u> <u>Roll-25, 121609</u> <u>Roll-25, 121609</u> | | Date Collected <u>12-16-09</u> <u>12-16-09</u> <u>12-16-09</u> <u>12-16-09</u> | | Time Collected <u>1555</u> <u>1455</u> <u>1650</u> <u>1650</u> | | 3 Grab Composite <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite | | 4 Matrix <input type="checkbox"/> Potable Check if Applicable <input type="checkbox"/> NPDES Soil _____ Water _____ Other _____ | | 5 Analyses Requested Preservation Codes <u>VOC's 8260 *</u> <u>Dissolved As, Pb, Mn</u> <u>MNA</u> | | 6 Preservation Codes H-HCl T=Thiosulfate N-HNO ₃ B=NaOH S=H ₂ SO ₄ O=Other | | Remarks <u>Co. Analytical Methodology</u> <u>Resubmitted to the following</u> <u>Dr. Summary Dir. Release</u> | | Temperature of samples upon receipt (if requested) | |
| 7 Turnaround Time Requested (TAT) (please circle): <u>Normal</u> Rush (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) Date results are needed: _____ Rush results requested by (please circle): _____ Phone _____ Fax _____ E-mail _____ Phone #: <u>5133531323</u> Fax #: <u>5133534014</u> E-mail address: <u>Amber.Hall@LancasterLabs.com</u> | | 8 Data Package Options (please circle if required) Type I (validation/NJ Reg) TX TRRP-13 SDG Complete? Yes No Type II (Tier II) MA MCP CT RCP Yes No Type III (Reduced NJ) Site-specific QC (MS/MSD/Dup)? Yes No Type IV (CLP SOW) (If yes, indicate QC sample and submit replicate volume.) Type VI (Raw Data Only) Internal COC Required? Yes / No _____ | | Relinquished by: _____ Date _____ Time _____ Received by: _____ Date _____ Time _____ Relinquished by: _____ Date _____ Time _____ Received by: _____ Date _____ Time _____ Relinquished by: _____ Date _____ Time _____ Received by: _____ Date _____ Time _____ | | Relinquished by: _____ Date _____ Time _____ Received by: _____ Date _____ Time _____ Relinquished by: _____ Date _____ Time _____ Received by: _____ Date _____ Time _____ | | Relinquished by: _____ Date _____ Time _____ Received by: _____ Date _____ Time _____ | | 9 | | | | | | | | | |

Analysis Request/ Environmental Services Chain of Custody



For Lancaster Laboratories use only

Acct # _____

Group# _____

Sample # _____

COC # 211754

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only

FSC: _____
SCR#: _____

Preservation Codes
H=HCl T=Thiosulfate
N=HNO₃ B=NaOH
S=H₂SO₄ O=Other

1 Client: Devin Acct #: 11994
 Project Name/#: Environmental Services PWSID #: 10017700020
 Project Manager: Dave Lem P.O. #: _____
 Sampler: ELLP Quote #: _____
 Name of state where samples were collected: OH

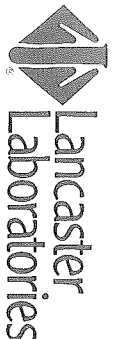
| 2 Sample Identification | Date Collected | Time Collected | 3 Grab | Composite | Soil | 4 Matrix | | Other | Total # of Containers | 5 Analyses Requested | | | | Remarks | 6 Temperature of samples upon receipt (if requested) |
|-------------------------|-----------------|----------------|-------------------------------------|-----------|------|-------------------------------------|-------|-------|-----------------------|------------------------|--|--|--|---------|--|
| | | | | | | Water | Other | | | Preservation Codes | | | | | |
| <u>Reddy 102109</u> | <u>12-21-09</u> | <u>1035</u> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | <u>4</u> | <u>1100's PPL 6060</u> | | | | | |
| <u>Reddy 102109</u> | <u>12-21-09</u> | <u>1045</u> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | <u>4</u> | <u>Dissolve Metals</u> | | | | | |
| <u>Reddy 102109</u> | <u>12-21-09</u> | <u>1100</u> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | <u>4</u> | | | | | | |
| <u>Reddy 102109</u> | <u>12-21-09</u> | <u>1145</u> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | <u>3</u> | | | | | | |
| <u>Reddy 102109</u> | <u>12-21-09</u> | <u>1600</u> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | <u>2</u> | | | | | | |
| <u>Reddy 102109</u> | <u>12-21-09</u> | <u>1335</u> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | <u>19</u> | | | | | | |
| <u>Reddy 102109</u> | <u>12-21-09</u> | <u>1510</u> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | <u>4</u> | | | | | | |
| <u>Reddy 102109</u> | <u>12-21-09</u> | <u>1600</u> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | <u>18</u> | | | | | | |

7 Turnaround Time Requested (TAT) (please circle): Normal Rush _____
 (Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
 Date results are needed: _____
 Rush results requested by (please circle): _____ Phone _____ Fax _____ E-mail _____
 Phone #: 513.553.2023 Fax #: 513.553.2100
 E-mail address: devin@lancasterlab.com

8 Data Package Options (please circle if required)

| | | | | |
|----------------------------|--|---------------|-----|----|
| Type I (validation/NJ Reg) | TX TRRP-13 | SDG Complete? | Yes | No |
| Type II (Tier II) | MA MCP | CT RCP | Yes | No |
| Type III (Reduced NJ) | Site-specific QC (MS/MSD/Dup)? Yes No | | | |
| Type IV (CLP SOW) | <small>(If Yes, indicate QC sample and submit replicate volume.)</small> | | | |
| Type VI (Raw Data Only) | Internal COC Required? Yes / No _____ | | | |

| | | | | | |
|------------------------|------|------|--------------------|------|------|
| Relinquished by: _____ | Date | Time | Received by: _____ | Date | Time |
| Relinquished by: _____ | Date | Time | Received by: _____ | Date | Time |
| Relinquished by: _____ | Date | Time | Received by: _____ | Date | Time |



Acct. # _____ Group# _____ Sample # _____

COC # 211753

Analysis Request/ Environmental Services Chain of Custody

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only

Client: CHROBON Acct. #: 11494

Project Name/#: Reservoir Analysis - Upper Level PWSID #: 1400110000

Project Manager: Debra P.O.#: _____

Sampler: Vol. Hill Quote #: _____

Name of state where samples were collected: OH

Analyses Requested

For Lab Use Only
FSC: _____
SCR#: _____

Preservation Codes
H=HCl T=Thiosulfate
N=HNO₃ B=NaOH
S=H₂SO₄ O=Other

| Sample Identification | Date Collected | Time Collected |
|-----------------------|----------------|----------------|
| MU-135D 120609 | 12-06-09 | 10:35 |
| MU-135T 120609 | 12-06-09 | 11:50 |
| MU-135S 120609 | 12-06-09 | 12:40 |
| RMU-10 120609 | 12-06-09 | 12:25 |
| RMU-B 120609 | 12-06-09 | 14:15 |
| RMU-1S 120609 | 12-06-09 | 15:00 |
| MU-135D 120609 | 12-06-09 | 17:46 |
| RMU-10 120609 | 12-06-09 | 17:45 |

| | |
|------|-----------|
| Grab | Composite |
|------|-----------|

| | | | |
|------|-------|-------|-----------------------|
| Soil | Water | Other | Total # of Containers |
|------|-------|-------|-----------------------|

| | | | |
|------------|-----------------|------|---------------|
| 100's 8260 | Dissolved As/Pb | 0100 | Manganese Dis |
|------------|-----------------|------|---------------|

| | |
|---------|--|
| Remarks | Temperature of samples upon receipt (if requested) |
|---------|--|

| Relinquished by: | Date | Time | Received by: | Date | Time |
|--------------------|----------|------|--------------------|------|------|
| <i>[Signature]</i> | 12/09/09 | | <i>[Signature]</i> | | |
| <i>[Signature]</i> | | | <i>[Signature]</i> | | |
| <i>[Signature]</i> | | | <i>[Signature]</i> | | |
| <i>[Signature]</i> | | | <i>[Signature]</i> | | |
| <i>[Signature]</i> | | | <i>[Signature]</i> | | |
| <i>[Signature]</i> | | | <i>[Signature]</i> | | |
| <i>[Signature]</i> | | | <i>[Signature]</i> | | |
| <i>[Signature]</i> | | | <i>[Signature]</i> | | |
| <i>[Signature]</i> | | | <i>[Signature]</i> | | |
| <i>[Signature]</i> | | | <i>[Signature]</i> | | |

Turnaround Time Requested (TAT) (please circle): Normal Rush (Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed: _____

Rush results requested by (please circle): Phone Fax E-mail

Phone #: 513-355-1234 Fax #: 513-355-4444

E-mail address: ML@LancasterLab.com

Data Package Options (please circle if required) SDG Complete?

Type I (Validation/NJ Reg) TX TRRP-13 Yes No

Type II (Tier II) MA MCP CT RCP Yes No

Type III (Reduced NJ) Site-specific OC (MS/MSD/Dup)? Yes No

Type IV (CLP SOW) (if yes, indicate OC sample and submit replicate volume)

Type VI (Raw Data Only) Internal COC Required? Yes / No

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.