

US EPA ARCHIVE DOCUMENT

Pump and Recovery Tests - Summary
Peterson/Puritan OU2
October 2003

Well No.

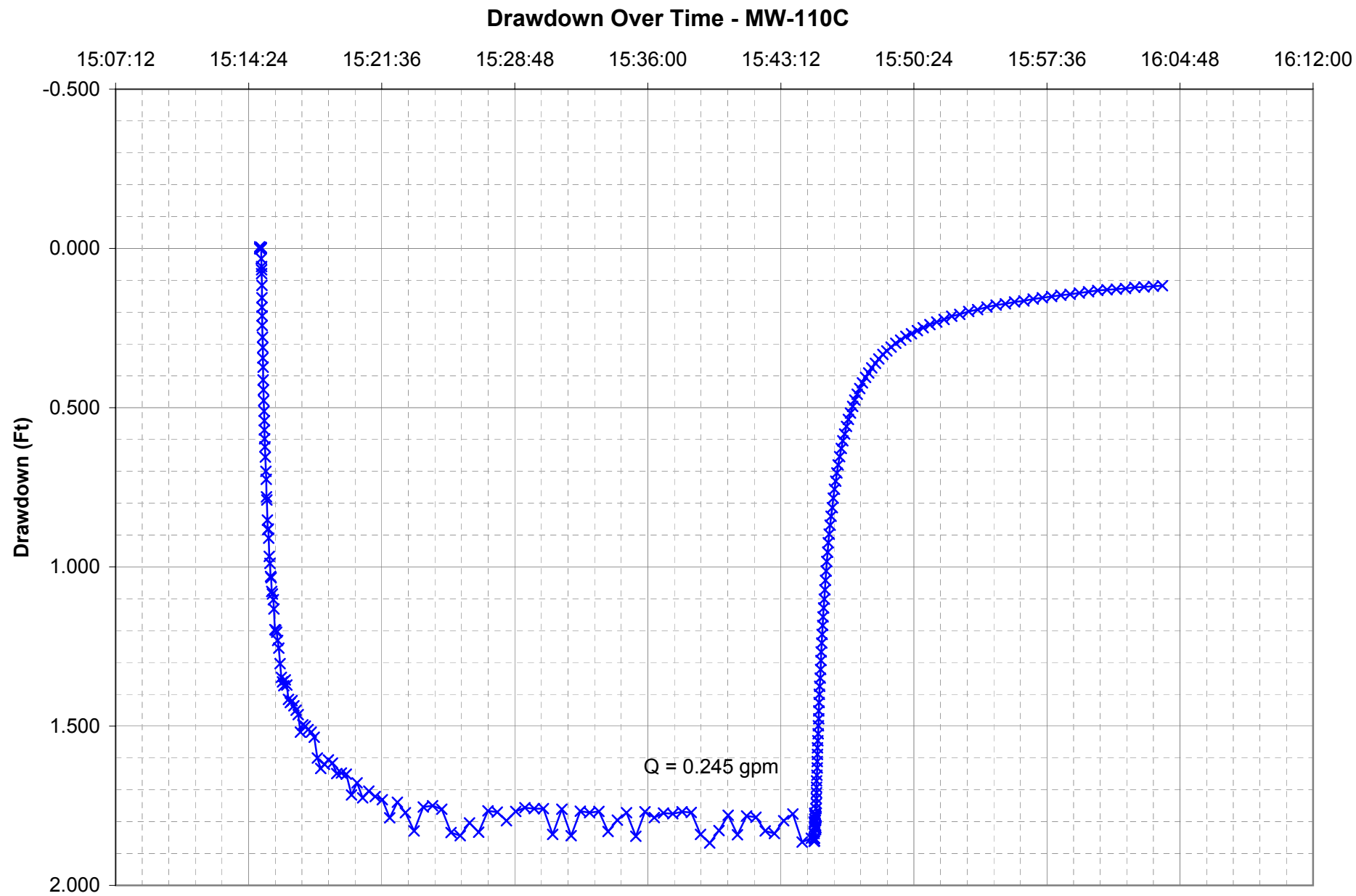
MW-110C

Equipment: In-Situ Inc. MiniTroll Pro
Test start date and time 10/6/2003 15:15:00
Test end date and time 10/6/2003 16:03:51
Period of pumping 30 minutes

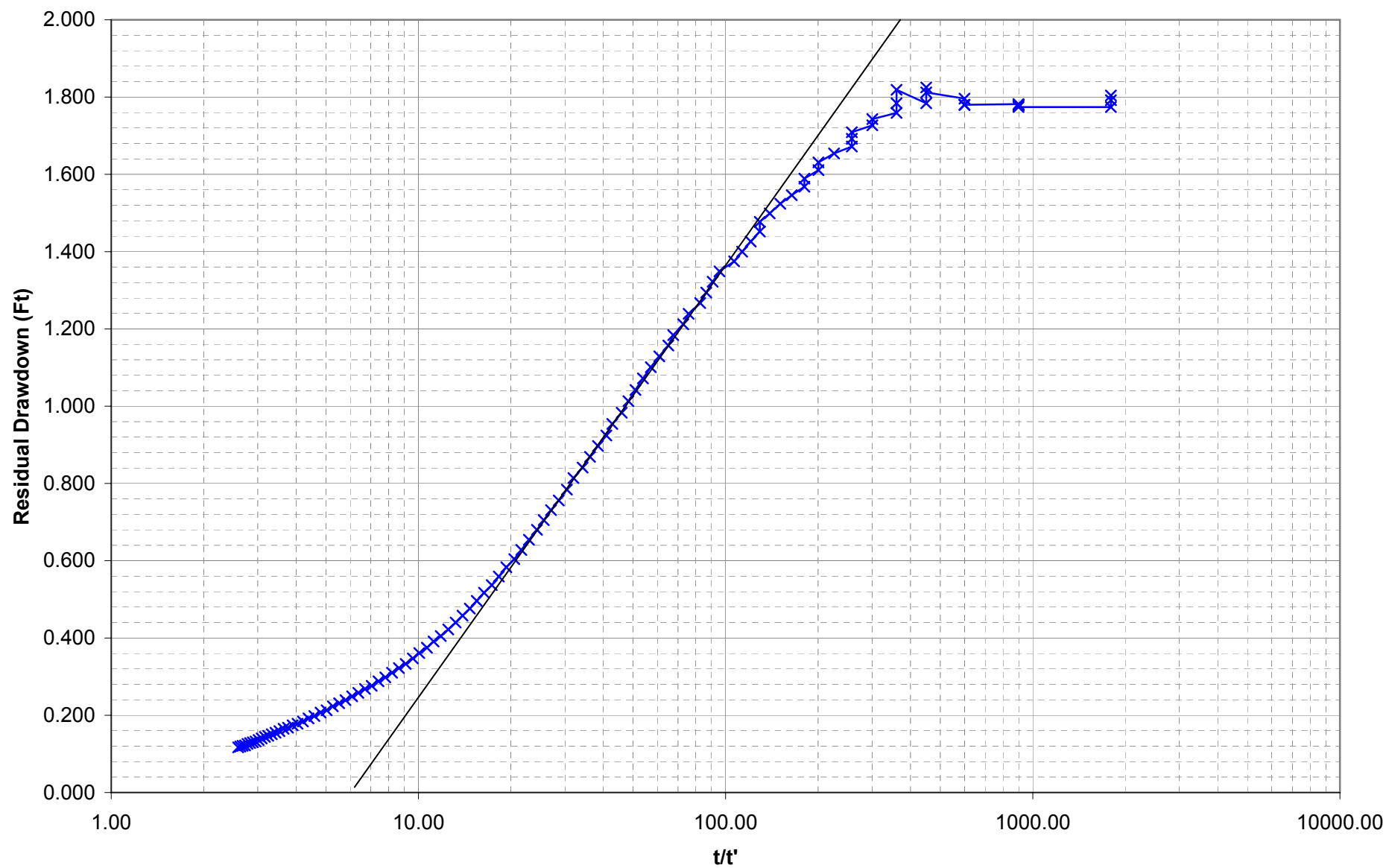
Static depth to water 12.66 feet below top of casing
Starting transducer depth 5.50 feet below static water level
Total well depth 98.1 feet below top of casing
Depth to top of screen 78.1 feet below top of casing
Height of interval tested [b] 20.0 feet

Average pumping rate [Q] 0.245 gpm, or 47 cfd
Average drawdown [s] 1.80 ft
Specific capacity [Q/s] 0.14 gpm/ft

Residual drawdown over one log cycle [Δs] 1.10 feet
Transmissivity [$T = (2.3Q)/(4\pi\Delta s)$] 7.8 cfd/ft
Hydraulic conductivity [$K = T/b$] 0.39 fpd, or 1.4E-04 cm/sec



Recovery Plot - MW-110C



Pump and Recovery Tests - Data
Peterson/Puritan OU2
October 2003

Well No. **MW-110C**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/6/2003	14:42:00								DTW = 12.66 at 14:42
10/6/2003	15:15:00	0	56.53	5.552	-0.005				Start Test 1
10/6/2003	15:15:00	0.3	56.55	5.547	0.000				
10/6/2003	15:15:00	0.6	56.57	5.547	0.000				
10/6/2003	15:15:00	0.9	56.57	5.547	0.000				
10/6/2003	15:15:01	1.2	56.57	5.547	0.000				
10/6/2003	15:15:01	1.5	56.57	5.547	0.000				
10/6/2003	15:15:01	1.8	56.59	5.547	0.000				
10/6/2003	15:15:02	2.1	56.59	5.547	0.000				
10/6/2003	15:15:02	2.4	56.59	5.547	0.000				
10/6/2003	15:15:02	2.7	56.59	5.549	-0.002				
10/6/2003	15:15:03	3	56.59	5.549	-0.002				
10/6/2003	15:15:03	3.3	56.59	5.547	0.000				
10/6/2003	15:15:03	3.6	56.59	5.549	-0.002				
10/6/2003	15:15:03	3.9	56.59	5.549	-0.002				
10/6/2003	15:15:04	4.2	56.62	5.549	-0.002				
10/6/2003	15:15:04	4.5	56.62	5.547	0.000				
10/6/2003	15:15:04	4.8	56.62	5.547	0.000				
10/6/2003	15:15:05	5.1	56.62	5.549	-0.002				
10/6/2003	15:15:05	5.4	56.62	5.549	-0.002	0.00			Pump Start
10/6/2003	15:15:05	5.7	56.62	5.515	0.032	0.00			
10/6/2003	15:15:06	6	56.62	5.49	0.057	0.02			
10/6/2003	15:15:06	6.4	56.62	5.48	0.067	0.02			
10/6/2003	15:15:06	6.7	56.62	5.468	0.079	0.02			
10/6/2003	15:15:07	7.1	56.62	5.431	0.116	0.03			
10/6/2003	15:15:07	7.5	56.62	5.392	0.155	0.03			
10/6/2003	15:15:07	8	56.62	5.362	0.185	0.03			
10/6/2003	15:15:08	8.4	56.62	5.335	0.212	0.05			
10/6/2003	15:15:08	8.9	56.62	5.305	0.242	0.05			
10/6/2003	15:15:09	9.5	56.62	5.268	0.279	0.07			
10/6/2003	15:15:10	10	56.62	5.236	0.311	0.08			
10/6/2003	15:15:10	10.6	56.62	5.203	0.344	0.08			
10/6/2003	15:15:11	11.3	56.59	5.174	0.373	0.10			
10/6/2003	15:15:11	11.9	56.59	5.134	0.413	0.10			
10/6/2003	15:15:12	12.6	56.59	5.103	0.444	0.12			
10/6/2003	15:15:13	13.4	56.59	5.069	0.478	0.13			
10/6/2003	15:15:14	14.2	56.59	5.036	0.511	0.15			
10/6/2003	15:15:15	15	56.59	5.006	0.541	0.17			
10/6/2003	15:15:15	15.9	56.59	4.977	0.570	0.17			
10/6/2003	15:15:16	16.8	56.59	4.949	0.598	0.18			
10/6/2003	15:15:17	17.8	56.59	4.924	0.623	0.20			
10/6/2003	15:15:18	18.9	56.59	4.892	0.655	0.22			
10/6/2003	15:15:20	20	56.59	4.847	0.700	0.25			
10/6/2003	15:15:21	21.2	56.59	4.822	0.725	0.27			
10/6/2003	15:15:22	22.4	56.59	4.767	0.780	0.28			
10/6/2003	15:15:23	23.8	56.59	4.757	0.790	0.30			
10/6/2003	15:15:25	25.2	56.59	4.694	0.853	0.33			
10/6/2003	15:15:26	26.7	56.59	4.664	0.883	0.35			
10/6/2003	15:15:28	28.2	56.59	4.666	0.881	0.38			
10/6/2003	15:15:29	29.8	56.59	4.637	0.910	0.40			
10/6/2003	15:15:31	31.5	56.59	4.58	0.967	0.43			
10/6/2003	15:15:33	33.3	56.59	4.558	0.989	0.47			
10/6/2003	15:15:35	35.2	56.59	4.517	1.030	0.50			
10/6/2003	15:15:37	37.3	56.59	4.513	1.034	0.53			
10/6/2003	15:15:39	39.5	56.59	4.47	1.077	0.57			
10/6/2003	15:15:41	41.8	56.62	4.462	1.085	0.60			
10/6/2003	15:15:44	44.3	56.62	4.444	1.103	0.65			
10/6/2003	15:15:46	46.9	56.62	4.415	1.132	0.68			
10/6/2003	15:15:49	49.7	56.62	4.35	1.197	0.73			
10/6/2003	15:15:52	52.6	56.64	4.348	1.199	0.78			
10/6/2003	15:15:55	55.7	56.64	4.342	1.205	0.83			
10/6/2003	15:15:58	59	56.64	4.316	1.231	0.88			
10/6/2003	15:16:02	62.5	56.66	4.292	1.255	0.95			
10/6/2003	15:16:06	66.2	56.66	4.243	1.304	1.02			
10/6/2003	15:16:10	70.1	56.66	4.2	1.347	1.08			
10/6/2003	15:16:14	74.3	56.66	4.186	1.361	1.15			
10/6/2003	15:16:18	78.7	56.69	4.174	1.373	1.22			

Well No. **MW-110C**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/6/2003	15:16:23	83.4	56.69	4.192	1.355	1.30			
10/6/2003	15:16:28	88.4	56.71	4.176	1.371	1.38			
10/6/2003	15:16:33	93.7	56.71	4.131	1.416	1.47			
10/6/2003	15:16:39	99.3	56.71	4.121	1.426	1.57			
10/6/2003	15:16:45	105.2	56.73	4.127	1.420	1.67			
10/6/2003	15:16:51	111.5	56.73	4.111	1.436	1.77			
10/6/2003	15:16:58	118.1	56.73	4.097	1.450	1.88			
10/6/2003	15:17:05	125.1	56.75	4.083	1.464	2.00			0.244 gpm flow rate
10/6/2003	15:17:12	132.6	56.75	4.028	1.519	2.12			
10/6/2003	15:17:20	140.5	56.78	4.051	1.496	2.25			
10/6/2003	15:17:28	148.9	56.78	4.047	1.500	2.38			
10/6/2003	15:17:37	157.8	56.78	4.036	1.511	2.53			
10/6/2003	15:17:47	167.2	56.78	4.028	1.519	2.70			
10/6/2003	15:17:57	177.2	56.78	4.012	1.535	2.87			
10/6/2003	15:18:07	187.8	56.78	3.947	1.600	3.03			
10/6/2003	15:18:18	199	56.8	3.914	1.633	3.22			
10/6/2003	15:18:30	210.9	56.8	3.927	1.620	3.42			
10/6/2003	15:18:43	223.5	56.8	3.941	1.606	3.63			
10/6/2003	15:18:56	236.8	56.8	3.931	1.616	3.85			
10/6/2003	15:19:10	250.9	56.8	3.898	1.649	4.08			
10/6/2003	15:19:25	265.8	56.78	3.9	1.647	4.33			
10/6/2003	15:19:41	281.6	56.78	3.896	1.651	4.60			
10/6/2003	15:19:58	298.4	56.78	3.831	1.716	4.88			
10/6/2003	15:20:16	316.2	56.78	3.869	1.678	5.18			0.259 gpm flow rate
10/6/2003	15:20:34	335	56.75	3.822	1.725	5.48			
10/6/2003	15:20:54	354.9	56.75	3.843	1.704	5.82			
10/6/2003	15:21:15	376	56.73	3.826	1.721	6.17			
10/6/2003	15:21:38	398.4	56.73	3.816	1.731	6.55			
10/6/2003	15:22:02	422.1	56.71	3.759	1.788	6.95			
10/6/2003	15:22:27	447.2	56.71	3.808	1.739	7.37			
10/6/2003	15:22:53	473.8	56.69	3.775	1.772	7.80			
10/6/2003	15:23:21	502	56.66	3.718	1.829	8.27			
10/6/2003	15:23:51	531.9	56.64	3.793	1.754	8.77			
10/6/2003	15:24:21	561.9	56.62	3.797	1.750	9.27			
10/6/2003	15:24:51	591.9	56.62	3.786	1.761	9.77			
10/6/2003	15:25:21	621.9	56.59	3.713	1.834	10.27			
10/6/2003	15:25:51	651.9	56.57	3.703	1.844	10.77			
10/6/2003	15:26:21	681.9	56.55	3.743	1.804	11.27			
10/6/2003	15:26:51	711.9	56.53	3.714	1.833	11.77			
10/6/2003	15:27:21	741.9	56.5	3.781	1.766	12.27			0.244 gpm flow rate
10/6/2003	15:27:51	771.9	56.5	3.777	1.770	12.77			
10/6/2003	15:28:21	801.9	56.48	3.75	1.797	13.27			
10/6/2003	15:28:51	831.9	56.46	3.779	1.768	13.77			
10/6/2003	15:29:21	861.9	56.44	3.791	1.756	14.27			
10/6/2003	15:29:51	891.9	56.41	3.788	1.759	14.77			
10/6/2003	15:30:21	921.9	56.41	3.788	1.759	15.27			
10/6/2003	15:30:51	951.9	56.39	3.707	1.840	15.77			
10/6/2003	15:31:21	981.9	56.37	3.786	1.761	16.27			
10/6/2003	15:31:51	1011.9	56.37	3.703	1.844	16.77			
10/6/2003	15:32:21	1041.9	56.35	3.78	1.767	17.27			
10/6/2003	15:32:51	1071.9	56.32	3.775	1.772	17.77			
10/6/2003	15:33:21	1101.9	56.3	3.779	1.768	18.27			0.238 gpm flow rate
10/6/2003	15:33:51	1131.9	56.3	3.716	1.831	18.77			
10/6/2003	15:34:21	1161.9	56.28	3.752	1.795	19.27			
10/6/2003	15:34:51	1191.9	56.28	3.775	1.772	19.77			
10/6/2003	15:35:21	1221.9	56.26	3.701	1.846	20.27			
10/6/2003	15:35:51	1251.9	56.23	3.778	1.769	20.77			
10/6/2003	15:36:21	1281.9	56.23	3.76	1.787	21.27			
10/6/2003	15:36:51	1311.9	56.21	3.774	1.773	21.77			
10/6/2003	15:37:21	1341.9	56.21	3.772	1.775	22.27			
10/6/2003	15:37:51	1371.9	56.19	3.778	1.769	22.77			
10/6/2003	15:38:21	1401.9	56.16	3.776	1.771	23.27			0.238 gpm flow rate
10/6/2003	15:38:51	1431.9	56.16	3.707	1.840	23.77			
10/6/2003	15:39:21	1461.9	56.14	3.68	1.867	24.27			
10/6/2003	15:39:51	1491.9	56.14	3.719	1.828	24.77			
10/6/2003	15:40:21	1521.9	56.12	3.767	1.780	25.27			
10/6/2003	15:40:51	1551.9	56.12	3.706	1.841	25.77			
10/6/2003	15:41:21	1581.9	56.1	3.765	1.782	26.27			
10/6/2003	15:41:51	1611.9	56.1	3.761	1.786	26.77			
10/6/2003	15:42:21	1641.9	56.07	3.718	1.829	27.27			
10/6/2003	15:42:51	1671.9	56.07	3.71	1.837	27.77			

Well No. **MW-110C**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/6/2003	15:43:21	1701.9	56.05	3.75	1.797	28.27			
10/6/2003	15:43:51	1731.9	56.05	3.771	1.776	28.77			
10/6/2003	15:44:21	1761.9	56.05	3.683	1.864	29.27			
10/6/2003	15:44:51	1791.9	56.03	3.695	1.852	29.77			
10/6/2003	15:45:00	0	56.03	3.746	1.801	29.92			Start Test 2
10/6/2003	15:45:00	0.3	56.05	3.71	1.837	29.92			
10/6/2003	15:45:00	0.6	56.05	3.695	1.852	29.92			
10/6/2003	15:45:00	0.9	56.07	3.685	1.862	29.92			
10/6/2003	15:45:01	1.2	56.07	3.687	1.860	29.93			
10/6/2003	15:45:01	1.5	56.07	3.695	1.852	29.93	0.00		Pump Stop
10/6/2003	15:45:01	1.8	56.07	3.73	1.817	29.93	0.00		
10/6/2003	15:45:02	2.1	56.1	3.743	1.804	29.95	0.02	1797.00	
10/6/2003	15:45:02	2.4	56.1	3.755	1.792	29.95	0.02	1797.00	
10/6/2003	15:45:02	2.7	56.1	3.773	1.774	29.95	0.02	1797.00	
10/6/2003	15:45:03	3	56.1	3.773	1.774	29.97	0.03	899.00	
10/6/2003	15:45:03	3.3	56.1	3.769	1.778	29.97	0.03	899.00	
10/6/2003	15:45:03	3.6	56.1	3.767	1.780	29.97	0.03	899.00	
10/6/2003	15:45:03	3.9	56.1	3.765	1.782	29.97	0.03	899.00	
10/6/2003	15:45:04	4.2	56.1	3.767	1.780	29.98	0.05	599.67	
10/6/2003	15:45:04	4.5	56.1	3.767	1.780	29.98	0.05	599.67	
10/6/2003	15:45:04	4.8	56.12	3.751	1.796	29.98	0.05	599.67	
10/6/2003	15:45:05	5.1	56.12	3.735	1.812	30.00	0.07	450.00	
10/6/2003	15:45:05	5.4	56.12	3.722	1.825	30.00	0.07	450.00	
10/6/2003	15:45:05	5.7	56.12	3.763	1.784	30.00	0.07	450.00	
10/6/2003	15:45:06	6	56.12	3.728	1.819	30.02	0.08	360.20	
10/6/2003	15:45:06	6.4	56.12	3.763	1.784	30.02	0.08	360.20	
10/6/2003	15:45:06	6.7	56.12	3.788	1.759	30.02	0.08	360.20	
10/6/2003	15:45:07	7.1	56.12	3.804	1.743	30.03	0.10	300.33	
10/6/2003	15:45:07	7.5	56.12	3.82	1.727	30.03	0.10	300.33	
10/6/2003	15:45:08	8	56.12	3.838	1.709	30.05	0.12	257.57	
10/6/2003	15:45:08	8.4	56.12	3.855	1.692	30.05	0.12	257.57	
10/6/2003	15:45:08	8.9	56.12	3.875	1.672	30.05	0.12	257.57	
10/6/2003	15:45:09	9.5	56.12	3.893	1.654	30.07	0.13	225.50	
10/6/2003	15:45:10	10	56.12	3.916	1.631	30.08	0.15	200.56	
10/6/2003	15:45:10	10.6	56.1	3.936	1.611	30.08	0.15	200.56	
10/6/2003	15:45:11	11.3	56.1	3.958	1.589	30.10	0.17	180.60	
10/6/2003	15:45:11	11.9	56.1	3.979	1.568	30.10	0.17	180.60	
10/6/2003	15:45:12	12.6	56.1	4.001	1.546	30.12	0.18	164.27	
10/6/2003	15:45:13	13.4	56.1	4.023	1.524	30.13	0.20	150.67	
10/6/2003	15:45:14	14.2	56.1	4.048	1.499	30.15	0.22	139.15	
10/6/2003	15:45:15	15	56.1	4.07	1.477	30.17	0.23	129.29	
10/6/2003	15:45:15	15.9	56.1	4.095	1.452	30.17	0.23	129.29	
10/6/2003	15:45:16	16.8	56.1	4.121	1.426	30.18	0.25	120.73	
10/6/2003	15:45:17	17.8	56.07	4.147	1.400	30.20	0.27	113.25	
10/6/2003	15:45:18	18.9	56.07	4.172	1.375	30.22	0.28	106.65	
10/6/2003	15:45:20	20	56.07	4.198	1.349	30.25	0.32	95.53	
10/6/2003	15:45:21	21.2	56.07	4.225	1.322	30.27	0.33	90.80	
10/6/2003	15:45:22	22.4	56.07	4.253	1.294	30.28	0.35	86.52	
10/6/2003	15:45:23	23.8	56.07	4.28	1.267	30.30	0.37	82.64	
10/6/2003	15:45:25	25.2	56.07	4.308	1.239	30.33	0.40	75.83	
10/6/2003	15:45:26	26.7	56.07	4.335	1.212	30.35	0.42	72.84	
10/6/2003	15:45:28	28.2	56.07	4.363	1.184	30.38	0.45	67.52	
10/6/2003	15:45:29	29.8	56.07	4.39	1.157	30.40	0.47	65.14	
10/6/2003	15:45:31	31.5	56.07	4.418	1.129	30.43	0.50	60.87	
10/6/2003	15:45:33	33.3	56.05	4.446	1.101	30.47	0.53	57.12	
10/6/2003	15:45:35	35.2	56.05	4.475	1.072	30.50	0.57	53.82	
10/6/2003	15:45:37	37.3	56.05	4.505	1.042	30.53	0.60	50.89	
10/6/2003	15:45:39	39.5	56.05	4.534	1.013	30.57	0.63	48.26	
10/6/2003	15:45:41	41.8	56.05	4.564	0.983	30.60	0.67	45.90	
10/6/2003	15:45:44	44.3	56.03	4.593	0.954	30.65	0.72	42.77	
10/6/2003	15:45:46	46.9	56.03	4.623	0.924	30.68	0.75	40.91	
10/6/2003	15:45:49	49.7	56.03	4.65	0.897	30.73	0.80	38.42	
10/6/2003	15:45:52	52.6	56.01	4.678	0.869	30.78	0.85	36.22	
10/6/2003	15:45:55	55.7	56.01	4.706	0.841	30.83	0.90	34.26	
10/6/2003	15:45:59	59	55.98	4.733	0.814	30.90	0.97	31.97	
10/6/2003	15:46:02	62.5	55.98	4.763	0.784	30.95	1.02	30.44	
10/6/2003	15:46:06	66.2	55.96	4.791	0.756	31.02	1.08	28.63	
10/6/2003	15:46:10	70.1	55.96	4.816	0.731	31.08	1.15	27.03	
10/6/2003	15:46:14	74.3	55.94	4.842	0.705	31.15	1.22	25.60	
10/6/2003	15:46:18	78.7	55.94	4.867	0.680	31.22	1.28	24.32	
10/6/2003	15:46:23	83.4	55.92	4.893	0.654	31.30	1.37	22.90	

Well No. **MW-110C**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/6/2003	15:46:28	88.4	55.92	4.919	0.628	31.38	1.45	21.64	
10/6/2003	15:46:33	93.7	55.89	4.943	0.604	31.47	1.53	20.52	
10/6/2003	15:46:39	99.3	55.87	4.964	0.583	31.57	1.63	19.33	
10/6/2003	15:46:45	105.2	55.87	4.988	0.559	31.67	1.73	18.27	
10/6/2003	15:46:51	111.5	55.85	5.01	0.537	31.77	1.83	17.33	
10/6/2003	15:46:58	118.1	55.85	5.03	0.517	31.88	1.95	16.35	
10/6/2003	15:47:05	125.1	55.82	5.051	0.496	32.00	2.07	15.48	
10/6/2003	15:47:12	132.6	55.82	5.071	0.476	32.12	2.18	14.71	
10/6/2003	15:47:20	140.5	55.8	5.089	0.458	32.25	2.32	13.92	
10/6/2003	15:47:28	148.9	55.78	5.107	0.440	32.38	2.45	13.22	
10/6/2003	15:47:37	157.8	55.78	5.125	0.422	32.53	2.60	12.51	
10/6/2003	15:47:47	167.2	55.76	5.142	0.405	32.70	2.77	11.82	
10/6/2003	15:47:57	177.2	55.76	5.156	0.391	32.87	2.93	11.20	
10/6/2003	15:48:07	187.8	55.76	5.172	0.375	33.03	3.10	10.66	
10/6/2003	15:48:19	199	55.73	5.186	0.361	33.23	3.30	10.07	
10/6/2003	15:48:30	210.9	55.73	5.2	0.347	33.42	3.48	9.59	
10/6/2003	15:48:43	223.5	55.71	5.214	0.333	33.63	3.70	9.09	
10/6/2003	15:48:56	236.8	55.71	5.225	0.322	33.85	3.92	8.64	
10/6/2003	15:49:10	250.9	55.71	5.237	0.310	34.08	4.15	8.21	
10/6/2003	15:49:25	265.8	55.71	5.249	0.298	34.33	4.40	7.80	
10/6/2003	15:49:41	281.6	55.69	5.259	0.288	34.60	4.67	7.41	
10/6/2003	15:49:58	298.4	55.69	5.271	0.276	34.88	4.95	7.05	
10/6/2003	15:50:16	316.2	55.69	5.279	0.268	35.18	5.25	6.70	
10/6/2003	15:50:35	335	55.69	5.289	0.258	35.50	5.57	6.38	
10/6/2003	15:50:54	354.9	55.69	5.298	0.249	35.82	5.88	6.09	
10/6/2003	15:51:16	376	55.69	5.308	0.239	36.18	6.25	5.79	
10/6/2003	15:51:38	398.4	55.69	5.316	0.231	36.55	6.62	5.52	
10/6/2003	15:52:02	422.1	55.69	5.324	0.223	36.95	7.02	5.27	
10/6/2003	15:52:27	447.2	55.69	5.334	0.213	37.37	7.43	5.03	
10/6/2003	15:52:53	473.8	55.69	5.34	0.207	37.80	7.87	4.81	
10/6/2003	15:53:22	502	55.71	5.349	0.198	38.28	8.35	4.58	
10/6/2003	15:53:51	531.9	55.71	5.355	0.192	38.77	8.83	4.39	
10/6/2003	15:54:21	561.9	55.71	5.363	0.184	39.27	9.33	4.21	
10/6/2003	15:54:51	591.9	55.73	5.369	0.178	39.77	9.83	4.04	
10/6/2003	15:55:21	621.9	55.73	5.373	0.174	40.27	10.33	3.90	
10/6/2003	15:55:51	651.9	55.73	5.379	0.168	40.77	10.83	3.76	
10/6/2003	15:56:21	681.9	55.73	5.382	0.165	41.27	11.33	3.64	
10/6/2003	15:56:51	711.9	55.76	5.388	0.159	41.77	11.83	3.53	
10/6/2003	15:57:21	741.9	55.76	5.392	0.155	42.27	12.33	3.43	
10/6/2003	15:57:51	771.9	55.78	5.396	0.151	42.77	12.83	3.33	
10/6/2003	15:58:21	801.9	55.78	5.4	0.147	43.27	13.33	3.24	
10/6/2003	15:58:51	831.9	55.8	5.403	0.144	43.77	13.83	3.16	
10/6/2003	15:59:21	861.9	55.8	5.407	0.140	44.27	14.33	3.09	
10/6/2003	15:59:51	891.9	55.8	5.411	0.136	44.77	14.83	3.02	
10/6/2003	16:00:21	921.9	55.82	5.415	0.132	45.27	15.33	2.95	
10/6/2003	16:00:51	951.9	55.82	5.417	0.130	45.77	15.83	2.89	
10/6/2003	16:01:21	981.9	55.85	5.419	0.128	46.27	16.33	2.83	
10/6/2003	16:01:51	1011.9	55.85	5.421	0.126	46.77	16.83	2.78	
10/6/2003	16:02:21	1041.9	55.85	5.425	0.122	47.27	17.33	2.73	
10/6/2003	16:02:51	1071.9	55.87	5.426	0.121	47.77	17.83	2.68	
10/6/2003	16:03:21	1101.9	55.87	5.428	0.119	48.27	18.33	2.63	
10/6/2003	16:03:51	1131.9	55.89	5.43	0.117	48.77	18.83	2.59	
10/6/2003	16:10:00								

DTW = 12.71 at 16:10

Pump and Recovery Tests - Summary
Peterson/Puritan OU2
October 2003

Well No.

MW-111AA

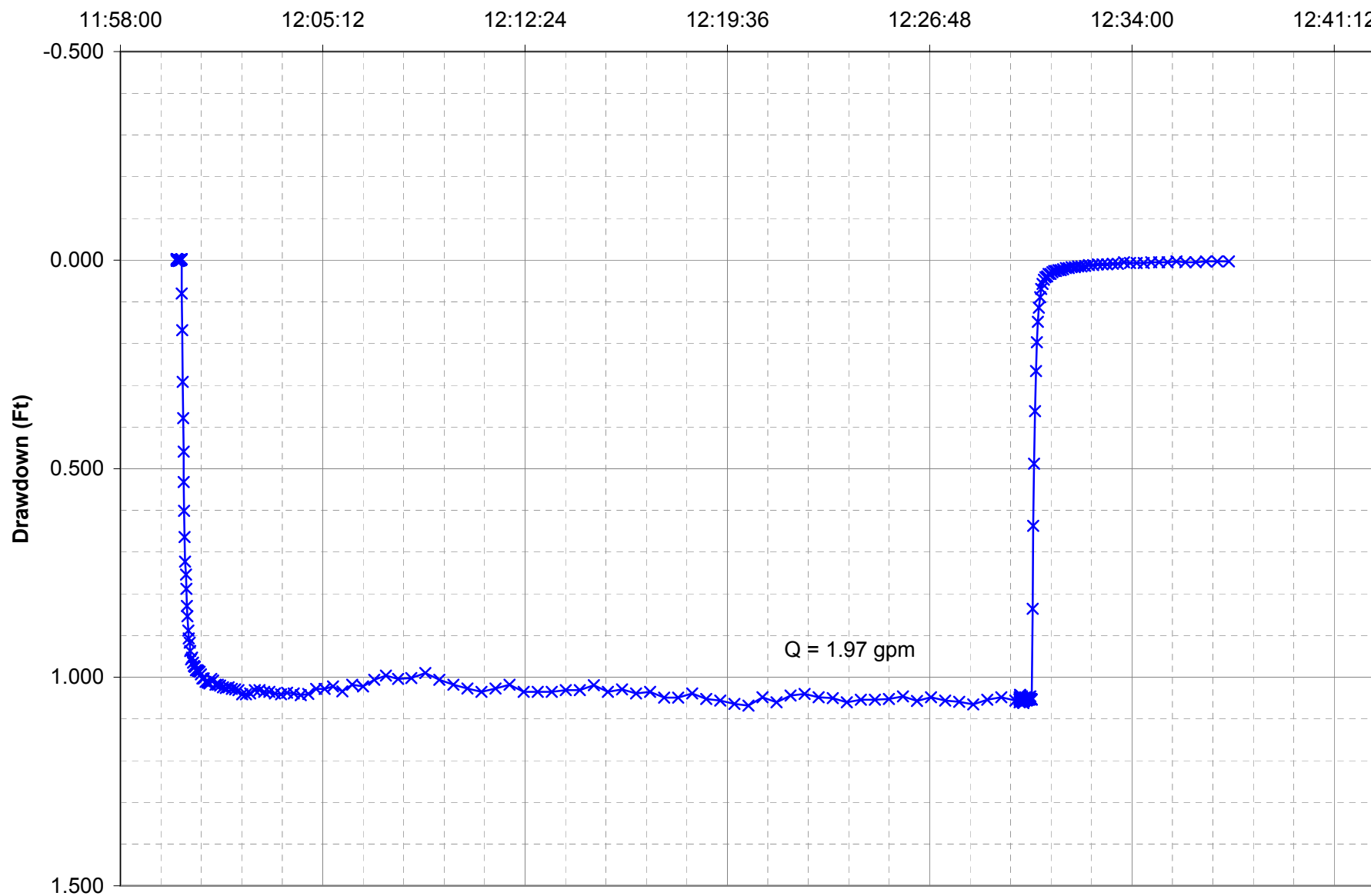
Equipment: In-Situ Inc. MiniTroll Pro
Test start date and time 10/3/2003 12:00:00
Test end date and time 10/3/2003 12:37:27
Period of pumping 30 minutes

Static depth to water 10.56 feet below top of casing
Starting transducer depth 5.064 feet below static water level
Total well depth 27.0 feet below top of casing
Depth to top of screen 17.0 feet below top of casing
Height of interval tested [b] 10.0 feet

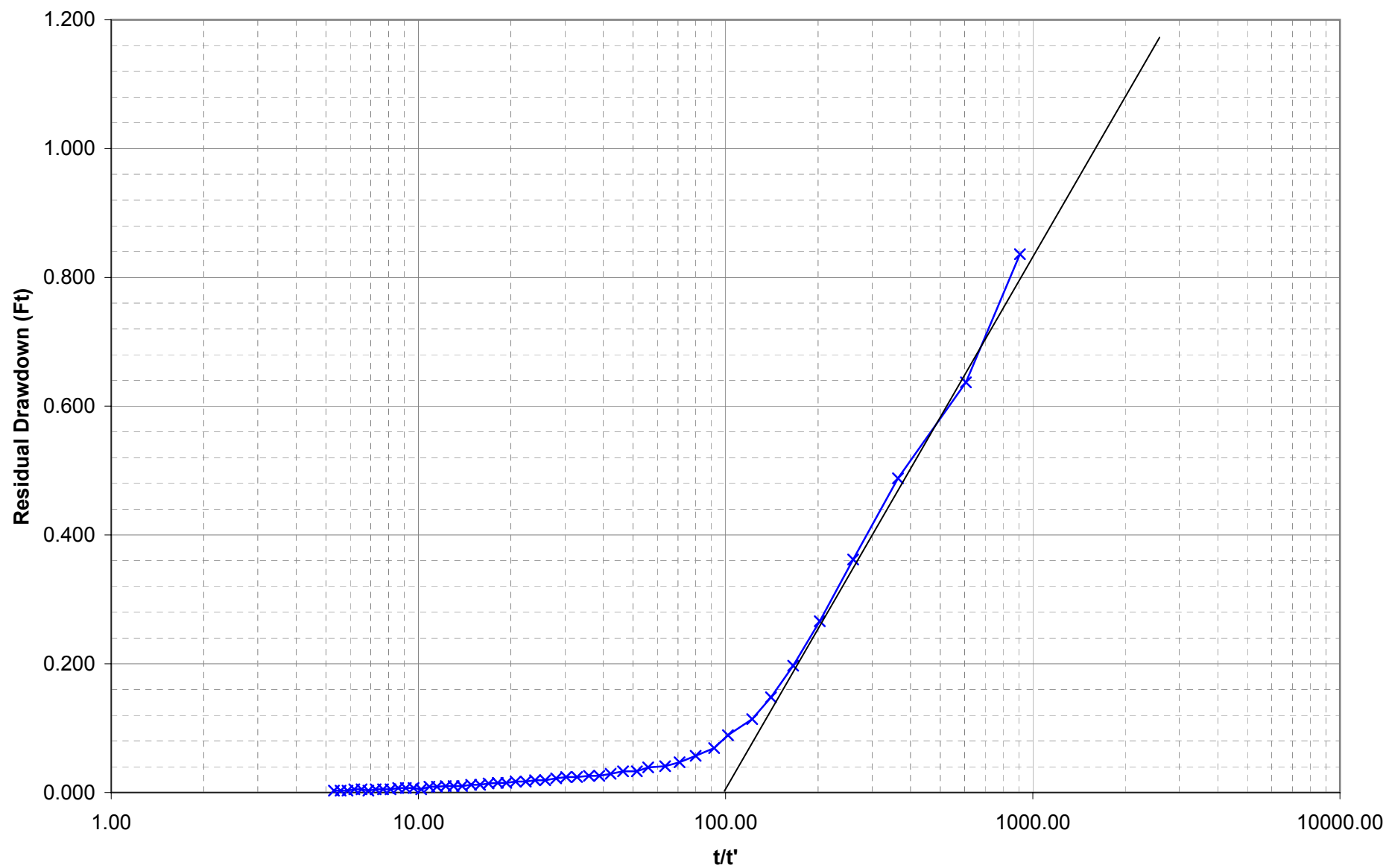
Average pumping rate [Q] 1.97 gpm, or 379 cfd
Average drawdown [s] 1.05 ft
Specific capacity [Q/s] 1.88 gpm/ft

Residual drawdown over one log cycle [Δs] 0.84 feet
Transmissivity [$T = (2.3Q)/(4\pi\Delta s)$] 82.6 cfd/ft
Hydraulic conductivity [$K = T/b$] 8.3 fpd, or 2.9E-03 cm/sec

Drawdown Over Time - MW-111AA



Recovery Plot - MW-111AA



Pump and Recovery Tests - Data
Peterson/Puritan OU2
October 2003

Well No. **MW-111AA**

Date	Time	Test Time Elapsed Sec	Temp- erature oF	Depth Below SWL Ft	Draw- down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/3/2003	10:40:00								DTW = 10.63 at 10:40
10/3/2003	10:48:00								DTW = 10.53 at 10:48
10/3/2003	11:50:00								DTW = 10.56 at 11:50
10/3/2003	12:00:00	0	60.24	5.067	-0.003				Start Test 1
10/3/2003	12:00:00	0.3	60.26	5.065	-0.001				
10/3/2003	12:00:00	0.6	60.29	5.063	0.001				
10/3/2003	12:00:00	0.9	60.29	5.065	-0.001				
10/3/2003	12:00:01	1.2	60.29	5.063	0.001				
10/3/2003	12:00:01	1.5	60.31	5.063	0.001				
10/3/2003	12:00:01	1.8	60.31	5.065	-0.001				
10/3/2003	12:00:02	2.1	60.31	5.065	-0.001				
10/3/2003	12:00:02	2.4	60.31	5.065	-0.001				
10/3/2003	12:00:02	2.7	60.31	5.065	-0.001				
10/3/2003	12:00:03	3	60.31	5.065	-0.001				
10/3/2003	12:00:03	3.3	60.33	5.064	0.000				
10/3/2003	12:00:03	3.6	60.33	5.064	0.000				
10/3/2003	12:00:03	3.9	60.33	5.064	0.000				
10/3/2003	12:00:04	4.2	60.33	5.064	0.000				
10/3/2003	12:00:04	4.5	60.33	5.062	0.002				
10/3/2003	12:00:04	4.8	60.33	5.064	0.000				
10/3/2003	12:00:05	5.1	60.33	5.064	0.000				
10/3/2003	12:00:05	5.4	60.33	5.064	0.000				
10/3/2003	12:00:05	5.7	60.33	5.064	0.000				
10/3/2003	12:00:06	6	60.33	5.064	0.000				
10/3/2003	12:00:06	6.4	60.33	5.064	0.000				
10/3/2003	12:00:06	6.7	60.33	5.064	0.000				
10/3/2003	12:00:07	7.1	60.33	5.064	0.000				
10/3/2003	12:00:07	7.5	60.33	5.064	0.000				
10/3/2003	12:00:07	8	60.33	5.064	0.000				
10/3/2003	12:00:08	8.4	60.35	5.064	0.000				
10/3/2003	12:00:08	8.9	60.33	5.064	0.000				
10/3/2003	12:00:09	9.5	60.35	5.064	0.000				
10/3/2003	12:00:10	10	60.33	5.066	-0.002				
10/3/2003	12:00:10	10.6	60.33	5.066	-0.002				
10/3/2003	12:00:11	11.3	60.33	5.066	-0.002	0.00			Pump Start
10/3/2003	12:00:11	11.9	60.33	4.984	0.080	0.00			
10/3/2003	12:00:12	12.6	60.31	4.896	0.168	0.02			
10/3/2003	12:00:13	13.4	60.31	4.772	0.292	0.03			
10/3/2003	12:00:14	14.2	60.31	4.685	0.379	0.05			
10/3/2003	12:00:15	15	60.31	4.605	0.459	0.07			
10/3/2003	12:00:15	15.9	60.31	4.532	0.532	0.07			
10/3/2003	12:00:16	16.8	60.31	4.463	0.601	0.08			
10/3/2003	12:00:17	17.8	60.31	4.4	0.664	0.10			
10/3/2003	12:00:18	18.9	60.31	4.341	0.723	0.12			
10/3/2003	12:00:20	20	60.31	4.31	0.754	0.15			
10/3/2003	12:00:21	21.2	60.31	4.276	0.788	0.17			
10/3/2003	12:00:22	22.4	60.31	4.235	0.829	0.18			
10/3/2003	12:00:23	23.8	60.31	4.21	0.854	0.20			
10/3/2003	12:00:25	25.2	60.31	4.176	0.888	0.23			
10/3/2003	12:00:26	26.7	60.31	4.157	0.907	0.25			
10/3/2003	12:00:28	28.2	60.33	4.147	0.917	0.28			
10/3/2003	12:00:29	29.8	60.33	4.127	0.937	0.30			
10/3/2003	12:00:31	31.5	60.33	4.107	0.957	0.33			
10/3/2003	12:00:33	33.3	60.33	4.111	0.953	0.37			
10/3/2003	12:00:35	35.2	60.35	4.099	0.965	0.40			
10/3/2003	12:00:37	37.3	60.35	4.091	0.973	0.43			
10/3/2003	12:00:39	39.5	60.38	4.089	0.975	0.47			
10/3/2003	12:00:41	41.8	60.38	4.081	0.983	0.50			
10/3/2003	12:00:44	44.3	60.38	4.081	0.983	0.55			
10/3/2003	12:00:46	46.9	60.4	4.079	0.985	0.58			
10/3/2003	12:00:49	49.7	60.42	4.077	0.987	0.63			
10/3/2003	12:00:52	52.6	60.42	4.071	0.993	0.68			
10/3/2003	12:00:55	55.7	60.44	4.061	1.003	0.73			
10/3/2003	12:00:58	59	60.44	4.061	1.003	0.78			
10/3/2003	12:01:02	62.5	60.47	4.053	1.011	0.85			

Well No. **MW-111AA**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/3/2003	12:01:06	66.2	60.47	4.051	1.013	0.92			
10/3/2003	12:01:10	70.1	60.49	4.049	1.015	0.98			
10/3/2003	12:01:14	74.3	60.51	4.06	1.004	1.05			
10/3/2003	12:01:18	78.7	60.51	4.056	1.008	1.12			
10/3/2003	12:01:23	83.4	60.53	4.046	1.018	1.20			
10/3/2003	12:01:28	88.4	60.56	4.046	1.018	1.28			
10/3/2003	12:01:33	93.7	60.56	4.044	1.020	1.37			
10/3/2003	12:01:39	99.3	60.58	4.04	1.024	1.47			
10/3/2003	12:01:45	105.2	60.58	4.038	1.026	1.57			
10/3/2003	12:01:51	111.5	60.6	4.04	1.024	1.67			
10/3/2003	12:01:58	118.1	60.62	4.036	1.028	1.78			
10/3/2003	12:02:05	125.1	60.65	4.035	1.029	1.90			2.0 gpm flow rate
10/3/2003	12:02:12	132.6	60.65	4.033	1.031	2.02			
10/3/2003	12:02:20	140.5	60.67	4.023	1.041	2.15			
10/3/2003	12:02:28	148.9	60.67	4.023	1.041	2.28			
10/3/2003	12:02:37	157.8	60.69	4.025	1.039	2.43			
10/3/2003	12:02:47	167.2	60.69	4.033	1.031	2.60			
10/3/2003	12:02:57	177.2	60.69	4.033	1.031	2.77			
10/3/2003	12:03:07	187.8	60.72	4.029	1.035	2.93			
10/3/2003	12:03:18	199	60.72	4.029	1.035	3.12			
10/3/2003	12:03:30	210.9	60.74	4.025	1.039	3.32			
10/3/2003	12:03:43	223.5	60.74	4.023	1.041	3.53			
10/3/2003	12:03:56	236.8	60.74	4.027	1.037	3.75			
10/3/2003	12:04:10	250.9	60.74	4.025	1.039	3.98			
10/3/2003	12:04:25	265.8	60.74	4.021	1.043	4.23			
10/3/2003	12:04:41	281.6	60.76	4.024	1.040	4.50			
10/3/2003	12:04:58	298.4	60.76	4.036	1.028	4.78			
10/3/2003	12:05:16	316.2	60.76	4.036	1.028	5.08			
10/3/2003	12:05:34	335	60.76	4.042	1.022	5.38			
10/3/2003	12:05:54	354.9	60.76	4.03	1.034	5.72			
10/3/2003	12:06:15	376	60.76	4.046	1.018	6.07			
10/3/2003	12:06:38	398.4	60.76	4.042	1.022	6.45			
10/3/2003	12:07:02	422.1	60.76	4.058	1.006	6.85			
10/3/2003	12:07:27	447.2	60.74	4.068	0.996	7.27			
10/3/2003	12:07:53	473.8	60.74	4.06	1.004	7.70			
10/3/2003	12:08:21	502	60.74	4.062	1.002	8.17			
10/3/2003	12:08:51	531.9	60.74	4.074	0.990	8.67			
10/3/2003	12:09:21	561.9	60.74	4.058	1.006	9.17			
10/3/2003	12:09:51	591.9	60.72	4.046	1.018	9.67			
10/3/2003	12:10:21	621.9	60.72	4.037	1.027	10.17			
10/3/2003	12:10:51	651.9	60.72	4.029	1.035	10.67			
10/3/2003	12:11:21	681.9	60.72	4.037	1.027	11.17			1.94 gpm flow rate
10/3/2003	12:11:51	711.9	60.72	4.046	1.018	11.67			
10/3/2003	12:12:21	741.9	60.72	4.029	1.035	12.17			
10/3/2003	12:12:51	771.9	60.69	4.029	1.035	12.67			
10/3/2003	12:13:21	801.9	60.72	4.029	1.035	13.17			
10/3/2003	12:13:51	831.9	60.69	4.033	1.031	13.67			
10/3/2003	12:14:21	861.9	60.69	4.033	1.031	14.17			
10/3/2003	12:14:51	891.9	60.69	4.045	1.019	14.67			
10/3/2003	12:15:21	921.9	60.69	4.029	1.035	15.17			
10/3/2003	12:15:51	951.9	60.67	4.035	1.029	15.67			
10/3/2003	12:16:21	981.9	60.67	4.025	1.039	16.17			
10/3/2003	12:16:51	1011.9	60.67	4.029	1.035	16.67			
10/3/2003	12:17:21	1041.9	60.67	4.015	1.049	17.17			
10/3/2003	12:17:51	1071.9	60.67	4.015	1.049	17.67			
10/3/2003	12:18:21	1101.9	60.67	4.025	1.039	18.17			
10/3/2003	12:18:51	1131.9	60.67	4.012	1.052	18.67			
10/3/2003	12:19:21	1161.9	60.67	4.008	1.056	19.17			
10/3/2003	12:19:51	1191.9	60.67	4	1.064	19.67			
10/3/2003	12:20:21	1221.9	60.65	3.996	1.068	20.17			
10/3/2003	12:20:51	1251.9	60.65	4.016	1.048	20.67			
10/3/2003	12:21:21	1281.9	60.65	4.004	1.060	21.17			
10/3/2003	12:21:51	1311.9	60.62	4.02	1.044	21.67			
10/3/2003	12:22:21	1341.9	60.62	4.024	1.040	22.17			
10/3/2003	12:22:51	1371.9	60.62	4.016	1.048	22.67			
10/3/2003	12:23:21	1401.9	60.6	4.014	1.050	23.17			
10/3/2003	12:23:51	1431.9	60.6	4.004	1.060	23.67			
10/3/2003	12:24:21	1461.9	60.6	4.01	1.054	24.17			
10/3/2003	12:24:51	1491.9	60.6	4.01	1.054	24.67			

Well No. **MW-111AA**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/3/2003	12:25:21	1521.9	60.58	4.012	1.052	25.17			
10/3/2003	12:25:51	1551.9	60.58	4.018	1.046	25.67			
10/3/2003	12:26:21	1581.9	60.58	4.007	1.057	26.17			
10/3/2003	12:26:51	1611.9	60.58	4.016	1.048	26.67			
10/3/2003	12:27:21	1641.9	60.58	4.008	1.056	27.17			
10/3/2003	12:27:51	1671.9	60.58	4.005	1.059	27.67			
10/3/2003	12:28:21	1701.9	60.58	3.999	1.065	28.17			
10/3/2003	12:28:51	1731.9	60.58	4.01	1.054	28.67			
10/3/2003	12:29:21	1761.9	60.58	4.016	1.048	29.17			
10/3/2003	12:29:51	1791.9	60.58	4.008	1.056	29.67			
10/3/2003	12:30:00	0	60.58	4.016	1.048	29.82			Start Test 2
10/3/2003	12:30:00	0.3	60.58	4.012	1.052	29.82			
10/3/2003	12:30:00	0.6	60.6	4.01	1.054	29.82			
10/3/2003	12:30:00	0.9	60.6	4.004	1.060	29.82			
10/3/2003	12:30:01	1.2	60.62	4.022	1.042	29.83			
10/3/2003	12:30:01	1.5	60.62	4.006	1.058	29.83			
10/3/2003	12:30:01	1.8	60.62	4.008	1.056	29.83			
10/3/2003	12:30:02	2.1	60.62	4.016	1.048	29.85			
10/3/2003	12:30:02	2.4	60.65	4.014	1.050	29.85			
10/3/2003	12:30:02	2.7	60.65	4.02	1.044	29.85			
10/3/2003	12:30:03	3	60.65	4.006	1.058	29.87			
10/3/2003	12:30:03	3.3	60.65	4.016	1.048	29.87			
10/3/2003	12:30:03	3.6	60.65	4.01	1.054	29.87			
10/3/2003	12:30:03	3.9	60.65	4.012	1.052	29.87			
10/3/2003	12:30:04	4.2	60.65	4.006	1.058	29.88			
10/3/2003	12:30:04	4.5	60.65	4.006	1.058	29.88			
10/3/2003	12:30:04	4.8	60.65	4.012	1.052	29.88			
10/3/2003	12:30:05	5.1	60.65	4.018	1.046	29.90			
10/3/2003	12:30:05	5.4	60.65	4.01	1.054	29.90			
10/3/2003	12:30:05	5.7	60.65	4.008	1.056	29.90			
10/3/2003	12:30:06	6	60.65	4.008	1.056	29.92			
10/3/2003	12:30:06	6.4	60.65	4.01	1.054	29.92			
10/3/2003	12:30:06	6.7	60.65	4.012	1.052	29.92			
10/3/2003	12:30:07	7.1	60.65	4.004	1.060	29.93			
10/3/2003	12:30:07	7.5	60.65	4.014	1.050	29.93			
10/3/2003	12:30:08	8	60.67	4.004	1.060	29.95			
10/3/2003	12:30:08	8.4	60.67	4.002	1.062	29.95			
10/3/2003	12:30:08	8.9	60.67	4.006	1.058	29.95			
10/3/2003	12:30:09	9.5	60.67	4.006	1.058	29.97			
10/3/2003	12:30:10	10	60.65	4.008	1.056	29.98			
10/3/2003	12:30:10	10.6	60.65	4.014	1.050	29.98			
10/3/2003	12:30:11	11.3	60.65	4.01	1.054	30.00			
10/3/2003	12:30:11	11.9	60.65	4.01	1.054	30.00			
10/3/2003	12:30:12	12.6	60.65	4.016	1.048	30.02			
10/3/2003	12:30:13	13.4	60.65	4.012	1.052	30.03			
10/3/2003	12:30:14	14.2	60.65	4.01	1.054	30.05			
10/3/2003	12:30:15	15	60.65	4.014	1.050	30.07			
10/3/2003	12:30:15	15.9	60.62	4.008	1.056	30.07			
10/3/2003	12:30:16	16.8	60.62	4.012	1.052	30.08			
10/3/2003	12:30:17	17.8	60.62	4.012	1.052	30.10			
10/3/2003	12:30:18	18.9	60.62	4.01	1.054	30.12			
10/3/2003	12:30:20	20	60.62	4.016	1.048	30.15			
10/3/2003	12:30:21	21.2	60.62	4.01	1.054	30.17			
10/3/2003	12:30:22	22.4	60.62	4.012	1.052	30.18			
10/3/2003	12:30:23	23.8	60.62	4.018	1.046	30.20			
10/3/2003	12:30:25	25.2	60.62	4.012	1.052	30.23			
10/3/2003	12:30:26	26.7	60.62	4.01	1.054	30.25	0.00		Pump Stop
10/3/2003	12:30:28	28.2	60.62	4.228	0.836	30.28	0.03	908.50	
10/3/2003	12:30:29	29.8	60.62	4.427	0.637	30.30	0.05	606.00	
10/3/2003	12:30:31	31.5	60.62	4.576	0.488	30.33	0.08	364.00	
10/3/2003	12:30:33	33.3	60.62	4.702	0.362	30.37	0.12	260.29	
10/3/2003	12:30:35	35.2	60.62	4.798	0.266	30.40	0.15	202.67	
10/3/2003	12:30:37	37.3	60.6	4.867	0.197	30.43	0.18	166.00	
10/3/2003	12:30:39	39.5	60.6	4.916	0.148	30.47	0.22	140.62	
10/3/2003	12:30:41	41.8	60.6	4.95	0.114	30.50	0.25	122.00	
10/3/2003	12:30:44	44.3	60.6	4.975	0.089	30.55	0.30	101.83	
10/3/2003	12:30:46	46.9	60.58	4.995	0.069	30.58	0.33	91.75	
10/3/2003	12:30:49	49.7	60.56	5.007	0.057	30.63	0.38	79.91	
10/3/2003	12:30:52	52.6	60.56	5.017	0.047	30.68	0.43	70.81	

Well No. **MW-111AA**

Date	Time	Test Time Elapsed Sec	Temp- erature oF	Depth Below SWL Ft	Draw- down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/3/2003	12:30:55	55.7	60.53	5.023	0.041	30.73	0.48	63.59	
10/3/2003	12:30:59	59	60.53	5.025	0.039	30.80	0.55	56.00	
10/3/2003	12:31:02	62.5	60.51	5.031	0.033	30.85	0.60	51.42	
10/3/2003	12:31:06	66.2	60.49	5.031	0.033	30.92	0.67	46.38	
10/3/2003	12:31:10	70.1	60.47	5.035	0.029	30.98	0.73	42.25	
10/3/2003	12:31:14	74.3	60.44	5.038	0.026	31.05	0.80	38.81	
10/3/2003	12:31:18	78.7	60.42	5.038	0.026	31.12	0.87	35.90	
10/3/2003	12:31:23	83.4	60.4	5.04	0.024	31.20	0.95	32.84	
10/3/2003	12:31:28	88.4	60.38	5.04	0.024	31.28	1.03	30.27	
10/3/2003	12:31:33	93.7	60.35	5.042	0.022	31.37	1.12	28.09	
10/3/2003	12:31:39	99.3	60.33	5.045	0.019	31.47	1.22	25.86	
10/3/2003	12:31:45	105.2	60.33	5.045	0.019	31.57	1.32	23.97	
10/3/2003	12:31:51	111.5	60.31	5.047	0.017	31.67	1.42	22.35	
10/3/2003	12:31:58	118.1	60.29	5.047	0.017	31.78	1.53	20.73	
10/3/2003	12:32:05	125.1	60.26	5.049	0.015	31.90	1.65	19.33	
10/3/2003	12:32:12	132.6	60.24	5.049	0.015	32.02	1.77	18.12	
10/3/2003	12:32:20	140.5	60.22	5.05	0.014	32.15	1.90	16.92	
10/3/2003	12:32:28	148.9	60.19	5.052	0.012	32.28	2.03	15.88	
10/3/2003	12:32:37	157.8	60.17	5.052	0.012	32.43	2.18	14.85	
10/3/2003	12:32:47	167.2	60.17	5.054	0.010	32.60	2.35	13.87	
10/3/2003	12:32:57	177.2	60.15	5.054	0.010	32.77	2.52	13.02	
10/3/2003	12:33:07	187.8	60.15	5.054	0.010	32.93	2.68	12.27	
10/3/2003	12:33:19	199	60.13	5.055	0.009	33.13	2.88	11.49	
10/3/2003	12:33:30	210.9	60.13	5.055	0.009	33.32	3.07	10.86	
10/3/2003	12:33:43	223.5	60.1	5.059	0.005	33.53	3.28	10.21	
10/3/2003	12:33:56	236.8	60.1	5.057	0.007	33.75	3.50	9.64	
10/3/2003	12:34:10	250.9	60.1	5.057	0.007	33.98	3.73	9.10	
10/3/2003	12:34:25	265.8	60.08	5.057	0.007	34.23	3.98	8.59	
10/3/2003	12:34:41	281.6	60.08	5.059	0.005	34.50	4.25	8.12	
10/3/2003	12:34:58	298.4	60.08	5.059	0.005	34.78	4.53	7.67	
10/3/2003	12:35:16	316.2	60.08	5.059	0.005	35.08	4.83	7.26	
10/3/2003	12:35:35	335	60.06	5.061	0.003	35.40	5.15	6.87	
10/3/2003	12:35:54	354.9	60.08	5.059	0.005	35.72	5.47	6.53	
10/3/2003	12:36:16	376	60.06	5.059	0.005	36.08	5.83	6.19	
10/3/2003	12:36:38	398.4	60.06	5.061	0.003	36.45	6.20	5.88	
10/3/2003	12:37:02	422.1	60.06	5.061	0.003	36.85	6.60	5.58	
10/3/2003	12:37:27	447.2	60.06	5.061	0.003	37.27	7.02	5.31	
10/3/2003	12:51:00								DTW = 10.56 at 10:51

Pump and Recovery Tests - Summary
Peterson/Puritan OU2
October 2003

Well No.

MW-111A

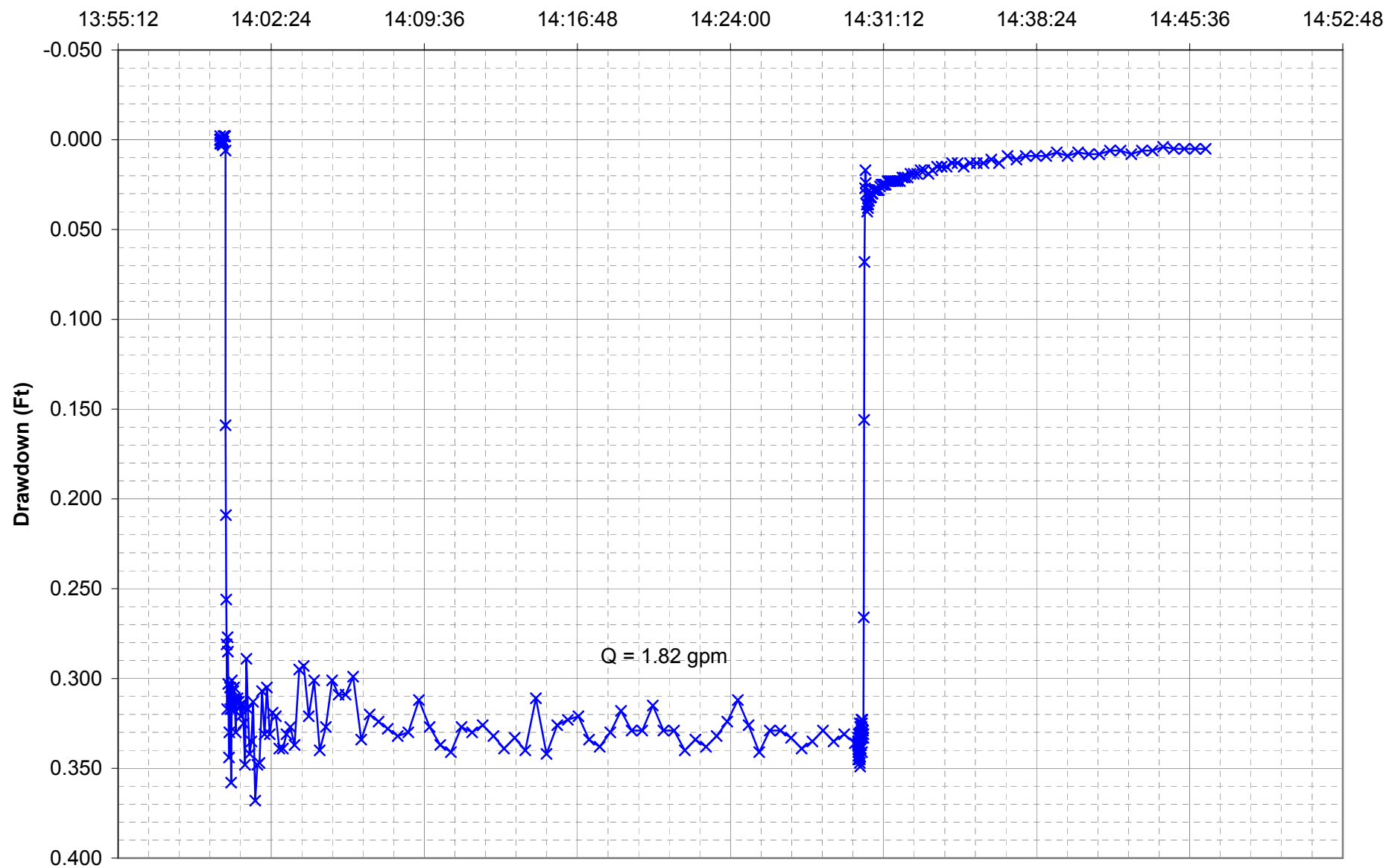
Equipment: In-Situ Inc. MiniTroll Pro
Test start date and time 10/3/2003 14:00:00
Test end date and time 10/3/2003 14:46:21
Period of pumping 30 minutes

Static depth to water 10.15 feet below top of casing
Starting transducer depth 4.996 feet below static water level
Total well depth 74.7 feet below top of casing
Depth to top of screen 64.7 feet below top of casing
Height of interval tested [b] 10.0 feet

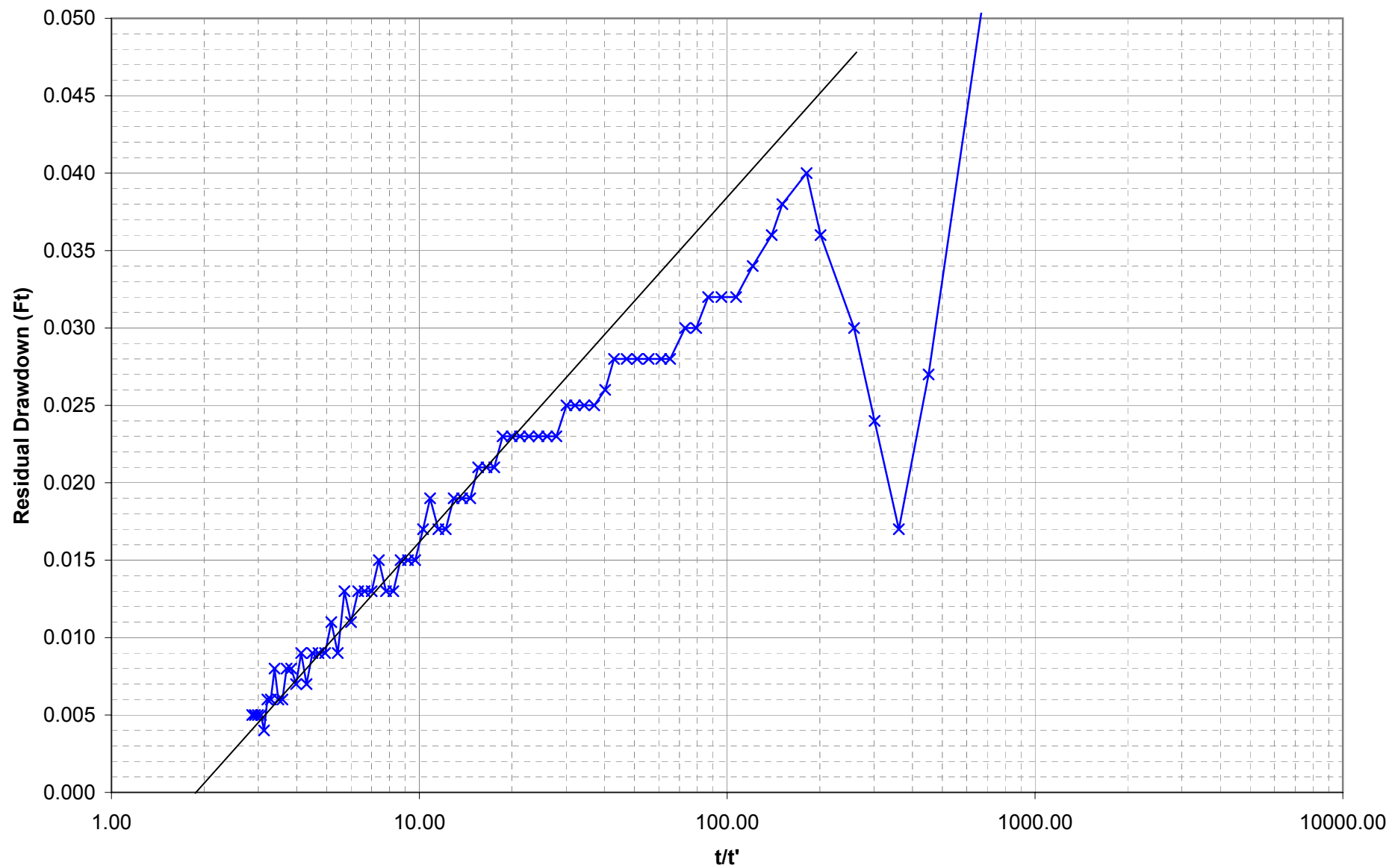
Average pumping rate [Q] 1.82 gpm, or 350 cfd
Average drawdown [s] 0.33 ft
Specific capacity [Q/s] 5.52 gpm/ft

Residual drawdown over one log cycle [Δs] 0.02 feet
Transmissivity [$T = (2.3Q)/(4\pi\Delta s)$] 2914.5 cfd/ft
Hydraulic conductivity [$K = T/b$] 291.5 fpd, or 1.0E-01 cm/sec

Drawdown Over Time - MW-111A



Recovery Plot - MW-111A



Pump and Recovery Tests - Data
Peterson/Puritan OU2
October 2003

Well No. **MW-111A**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/3/2003	13:30:00								DTW = 10.18 at 13:30
10/3/2003	14:00:00								DTW = 10.15 at 14:00
10/3/2003	14:00:00	0	60.04	4.998	-0.002				Start Test 1
10/3/2003	14:00:00	0.3	60.06	4.996	0.000				
10/3/2003	14:00:00	0.6	60.08	4.994	0.002				
10/3/2003	14:00:00	0.9	60.08	4.996	0.000				
10/3/2003	14:00:01	1.2	60.1	4.996	0.000				
10/3/2003	14:00:01	1.5	60.1	4.994	0.002				
10/3/2003	14:00:01	1.8	60.1	4.994	0.002				
10/3/2003	14:00:02	2.1	60.1	4.994	0.002				
10/3/2003	14:00:02	2.4	60.13	4.996	0.000				
10/3/2003	14:00:02	2.7	60.13	4.996	0.000				
10/3/2003	14:00:03	3	60.13	4.996	0.000				
10/3/2003	14:00:03	3.3	60.13	4.994	0.002				
10/3/2003	14:00:03	3.6	60.13	4.996	0.000				
10/3/2003	14:00:03	3.9	60.13	4.994	0.002				
10/3/2003	14:00:04	4.2	60.13	4.996	0.000				
10/3/2003	14:00:04	4.5	60.13	4.996	0.000				
10/3/2003	14:00:04	4.8	60.13	4.996	0.000				
10/3/2003	14:00:05	5.1	60.13	4.996	0.000				
10/3/2003	14:00:05	5.4	60.13	4.996	0.000				
10/3/2003	14:00:05	5.7	60.13	4.996	0.000				
10/3/2003	14:00:06	6	60.13	4.996	0.000				
10/3/2003	14:00:06	6.4	60.13	4.994	0.002				
10/3/2003	14:00:06	6.7	60.15	4.995	0.001				
10/3/2003	14:00:07	7.1	60.15	4.995	0.001				
10/3/2003	14:00:07	7.5	60.15	4.993	0.003				
10/3/2003	14:00:07	8	60.15	4.995	0.001				
10/3/2003	14:00:08	8.4	60.15	4.995	0.001				
10/3/2003	14:00:08	8.9	60.15	4.995	0.001				
10/3/2003	14:00:09	9.5	60.15	4.995	0.001				
10/3/2003	14:00:10	10	60.13	4.998	-0.002				
10/3/2003	14:00:10	10.6	60.13	4.998	-0.002				
10/3/2003	14:00:11	11.3	60.13	4.998	-0.002				
10/3/2003	14:00:11	11.9	60.13	4.998	-0.002				
10/3/2003	14:00:12	12.6	60.13	4.998	-0.002				
10/3/2003	14:00:13	13.4	60.1	4.998	-0.002				
10/3/2003	14:00:14	14.2	60.13	4.998	-0.002				
10/3/2003	14:00:15	15	60.1	4.99	0.006	0.00			Pump Start
10/3/2003	14:00:15	15.9	60.1	4.837	0.159	0.00			
10/3/2003	14:00:16	16.8	60.1	4.787	0.209	0.02			
10/3/2003	14:00:17	17.8	60.1	4.74	0.256	0.03			
10/3/2003	14:00:18	18.9	60.1	4.715	0.281	0.05			
10/3/2003	14:00:20	20	60.1	4.679	0.317	0.08			
10/3/2003	14:00:21	21.2	60.1	4.719	0.277	0.10			
10/3/2003	14:00:22	22.4	60.1	4.711	0.285	0.12			
10/3/2003	14:00:23	23.8	60.1	4.693	0.303	0.13			
10/3/2003	14:00:25	25.2	60.1	4.652	0.344	0.17			
10/3/2003	14:00:26	26.7	60.1	4.666	0.330	0.18			
10/3/2003	14:00:28	28.2	60.1	4.691	0.305	0.22			
10/3/2003	14:00:29	29.8	60.1	4.679	0.317	0.23			
10/3/2003	14:00:31	31.5	60.1	4.638	0.358	0.27			
10/3/2003	14:00:33	33.3	60.1	4.695	0.301	0.30			
10/3/2003	14:00:35	35.2	60.1	4.679	0.317	0.33			
10/3/2003	14:00:37	37.3	60.1	4.689	0.307	0.37			
10/3/2003	14:00:39	39.5	60.1	4.691	0.305	0.40			
10/3/2003	14:00:41	41.8	60.1	4.685	0.311	0.43			
10/3/2003	14:00:44	44.3	60.1	4.666	0.330	0.48			
10/3/2003	14:00:46	46.9	60.1	4.683	0.313	0.52			
10/3/2003	14:00:49	49.7	60.1	4.685	0.311	0.57			
10/3/2003	14:00:52	52.6	60.1	4.683	0.313	0.62			
10/3/2003	14:00:55	55.7	60.13	4.681	0.315	0.67			
10/3/2003	14:00:58	59	60.13	4.675	0.321	0.72			
10/3/2003	14:01:02	62.5	60.13	4.681	0.315	0.78			1.94 gpm flow rate
10/3/2003	14:01:06	66.2	60.13	4.671	0.325	0.85			

Well No. **MW-111A**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/3/2003	14:01:10	70.1	60.13	4.648	0.348	0.92			
10/3/2003	14:01:14	74.3	60.13	4.707	0.289	0.98			
10/3/2003	14:01:18	78.7	60.13	4.679	0.317	1.05			
10/3/2003	14:01:23	83.4	60.13	4.654	0.342	1.13			
10/3/2003	14:01:28	88.4	60.13	4.661	0.335	1.22			
10/3/2003	14:01:33	93.7	60.13	4.683	0.313	1.30			
10/3/2003	14:01:39	99.3	60.13	4.628	0.368	1.40			
10/3/2003	14:01:45	105.2	60.13	4.648	0.348	1.50			
10/3/2003	14:01:51	111.5	60.15	4.649	0.347	1.60			
10/3/2003	14:01:58	118.1	60.15	4.689	0.307	1.72			
10/3/2003	14:02:05	125.1	60.15	4.665	0.331	1.83			
10/3/2003	14:02:12	132.6	60.15	4.691	0.305	1.95			
10/3/2003	14:02:20	140.5	60.15	4.665	0.331	2.08			
10/3/2003	14:02:28	148.9	60.15	4.677	0.319	2.22			
10/3/2003	14:02:37	157.8	60.15	4.675	0.321	2.37			
10/3/2003	14:02:47	167.2	60.15	4.657	0.339	2.53			
10/3/2003	14:02:57	177.2	60.15	4.657	0.339	2.70			
10/3/2003	14:03:07	187.8	60.15	4.665	0.331	2.87			
10/3/2003	14:03:18	199	60.15	4.669	0.327	3.05			
10/3/2003	14:03:30	210.9	60.15	4.659	0.337	3.25			
10/3/2003	14:03:43	223.5	60.15	4.701	0.295	3.47			
10/3/2003	14:03:56	236.8	60.13	4.703	0.293	3.68			
10/3/2003	14:04:10	250.9	60.13	4.675	0.321	3.92			
10/3/2003	14:04:25	265.8	60.15	4.695	0.301	4.17			
10/3/2003	14:04:41	281.6	60.13	4.656	0.340	4.43			
10/3/2003	14:04:58	298.4	60.13	4.669	0.327	4.72			
10/3/2003	14:05:16	316.2	60.13	4.695	0.301	5.02			
10/3/2003	14:05:34	335	60.13	4.687	0.309	5.32			
10/3/2003	14:05:54	354.9	60.1	4.687	0.309	5.65			
10/3/2003	14:06:15	376	60.1	4.697	0.299	6.00			
10/3/2003	14:06:38	398.4	60.08	4.662	0.334	6.38			
10/3/2003	14:07:02	422.1	60.08	4.676	0.320	6.78			
10/3/2003	14:07:27	447.2	60.08	4.672	0.324	7.20			
10/3/2003	14:07:53	473.8	60.06	4.668	0.328	7.63			
10/3/2003	14:08:21	502	60.04	4.664	0.332	8.10			1.82 gpm flow rate
10/3/2003	14:08:51	531.9	60.04	4.666	0.330	8.60			
10/3/2003	14:09:21	561.9	60.01	4.684	0.312	9.10			
10/3/2003	14:09:51	591.9	59.99	4.669	0.327	9.60			
10/3/2003	14:10:21	621.9	59.97	4.659	0.337	10.10			
10/3/2003	14:10:51	651.9	59.95	4.655	0.341	10.60			
10/3/2003	14:11:21	681.9	59.92	4.669	0.327	11.10			
10/3/2003	14:11:51	711.9	59.9	4.666	0.330	11.60			
10/3/2003	14:12:21	741.9	59.88	4.67	0.326	12.10			1.82 gpm flow rate
10/3/2003	14:12:51	771.9	59.83	4.664	0.332	12.60			
10/3/2003	14:13:21	801.9	59.81	4.657	0.339	13.10			
10/3/2003	14:13:51	831.9	59.76	4.663	0.333	13.60			
10/3/2003	14:14:21	861.9	59.72	4.656	0.340	14.10			
10/3/2003	14:14:51	891.9	59.7	4.685	0.311	14.60			
10/3/2003	14:15:21	921.9	59.65	4.654	0.342	15.10			
10/3/2003	14:15:51	951.9	59.63	4.67	0.326	15.60			
10/3/2003	14:16:21	981.9	59.58	4.673	0.323	16.10			1.82 gpm flow rate
10/3/2003	14:16:51	1011.9	59.56	4.675	0.321	16.60			
10/3/2003	14:17:21	1041.9	59.52	4.662	0.334	17.10			
10/3/2003	14:17:51	1071.9	59.49	4.658	0.338	17.60			
10/3/2003	14:18:21	1101.9	59.45	4.666	0.330	18.10			
10/3/2003	14:18:51	1131.9	59.43	4.678	0.318	18.60			
10/3/2003	14:19:21	1161.9	59.4	4.667	0.329	19.10			
10/3/2003	14:19:51	1191.9	59.38	4.667	0.329	19.60			
10/3/2003	14:20:21	1221.9	59.36	4.681	0.315	20.10			1.82 gpm flow rate
10/3/2003	14:20:51	1251.9	59.33	4.667	0.329	20.60			
10/3/2003	14:21:21	1281.9	59.33	4.667	0.329	21.10			
10/3/2003	14:21:51	1311.9	59.31	4.656	0.340	21.60			
10/3/2003	14:22:21	1341.9	59.29	4.662	0.334	22.10			
10/3/2003	14:22:51	1371.9	59.27	4.658	0.338	22.60			
10/3/2003	14:23:21	1401.9	59.27	4.664	0.332	23.10			
10/3/2003	14:23:51	1431.9	59.24	4.672	0.324	23.60			
10/3/2003	14:24:21	1461.9	59.22	4.684	0.312	24.10			
10/3/2003	14:24:51	1491.9	59.22	4.67	0.326	24.60			
10/3/2003	14:25:21	1521.9	59.2	4.655	0.341	25.10			

Well No.

MW-111A

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/3/2003	14:25:51	1551.9	59.2	4.667	0.329	25.60			
10/3/2003	14:26:21	1581.9	59.18	4.667	0.329	26.10			
10/3/2003	14:26:51	1611.9	59.18	4.663	0.333	26.60			
10/3/2003	14:27:21	1641.9	59.15	4.657	0.339	27.10			
10/3/2003	14:27:51	1671.9	59.15	4.661	0.335	27.60			
10/3/2003	14:28:21	1701.9	59.15	4.667	0.329	28.10			
10/3/2003	14:28:51	1731.9	59.13	4.661	0.335	28.60			
10/3/2003	14:29:21	1761.9	59.13	4.665	0.331	29.10			
10/3/2003	14:29:51	1791.9	59.11	4.66	0.336	29.60			
10/3/2003	14:30:00	0	59.11	4.66	0.336	29.75			Start Test 2
10/3/2003	14:30:00	0.3	59.13	4.663	0.333	29.75			
10/3/2003	14:30:00	0.6	59.15	4.661	0.335	29.75			
10/3/2003	14:30:00	0.9	59.15	4.659	0.337	29.75			
10/3/2003	14:30:01	1.2	59.18	4.653	0.343	29.77			
10/3/2003	14:30:01	1.5	59.18	4.655	0.341	29.77			
10/3/2003	14:30:01	1.8	59.18	4.651	0.345	29.77			
10/3/2003	14:30:02	2.1	59.18	4.655	0.341	29.78			
10/3/2003	14:30:02	2.4	59.18	4.661	0.335	29.78			
10/3/2003	14:30:02	2.7	59.18	4.651	0.345	29.78			
10/3/2003	14:30:03	3	59.18	4.657	0.339	29.80			
10/3/2003	14:30:03	3.3	59.2	4.657	0.339	29.80			
10/3/2003	14:30:03	3.6	59.2	4.665	0.331	29.80			
10/3/2003	14:30:03	3.9	59.2	4.665	0.331	29.80			
10/3/2003	14:30:04	4.2	59.2	4.653	0.343	29.82			
10/3/2003	14:30:04	4.5	59.2	4.659	0.337	29.82			
10/3/2003	14:30:04	4.8	59.2	4.663	0.333	29.82			
10/3/2003	14:30:05	5.1	59.2	4.671	0.325	29.83			
10/3/2003	14:30:05	5.4	59.2	4.651	0.345	29.83			
10/3/2003	14:30:05	5.7	59.2	4.649	0.347	29.83			
10/3/2003	14:30:06	6	59.2	4.659	0.337	29.85			
10/3/2003	14:30:06	6.4	59.2	4.647	0.349	29.85			
10/3/2003	14:30:06	6.7	59.2	4.669	0.327	29.85			
10/3/2003	14:30:07	7.1	59.2	4.665	0.331	29.87			
10/3/2003	14:30:07	7.5	59.2	4.659	0.337	29.87			
10/3/2003	14:30:08	8	59.2	4.663	0.333	29.88			
10/3/2003	14:30:08	8.4	59.2	4.657	0.339	29.88			
10/3/2003	14:30:08	8.9	59.2	4.659	0.337	29.88			
10/3/2003	14:30:09	9.5	59.2	4.665	0.331	29.90			
10/3/2003	14:30:10	10	59.2	4.669	0.327	29.92			
10/3/2003	14:30:10	10.6	59.2	4.673	0.323	29.92			
10/3/2003	14:30:11	11.3	59.2	4.671	0.325	29.93			
10/3/2003	14:30:11	11.9	59.2	4.655	0.341	29.93			
10/3/2003	14:30:12	12.6	59.18	4.673	0.323	29.95			
10/3/2003	14:30:13	13.4	59.18	4.663	0.333	29.97			
10/3/2003	14:30:14	14.2	59.18	4.667	0.329	29.98			
10/3/2003	14:30:15	15	59.18	4.663	0.333	30.00			
10/3/2003	14:30:15	15.9	59.18	4.665	0.331	30.00			
10/3/2003	14:30:16	16.8	59.18	4.73	0.266	30.02	0.00		Pump Stop
10/3/2003	14:30:17	17.8	59.18	4.84	0.156	30.03	0.02	1802.00	
10/3/2003	14:30:18	18.9	59.18	4.928	0.068	30.05	0.03	901.50	
10/3/2003	14:30:20	20	59.18	4.969	0.027	30.08	0.07	451.25	
10/3/2003	14:30:21	21.2	59.18	4.979	0.017	30.10	0.08	361.20	
10/3/2003	14:30:22	22.4	59.15	4.972	0.024	30.12	0.10	301.17	
10/3/2003	14:30:23	23.8	59.15	4.966	0.030	30.13	0.12	258.29	
10/3/2003	14:30:25	25.2	59.15	4.96	0.036	30.17	0.15	201.11	
10/3/2003	14:30:26	26.7	59.15	4.956	0.040	30.18	0.17	181.10	
10/3/2003	14:30:28	28.2	59.15	4.958	0.038	30.22	0.20	151.08	
10/3/2003	14:30:29	29.8	59.15	4.96	0.036	30.23	0.22	139.54	
10/3/2003	14:30:31	31.5	59.15	4.962	0.034	30.27	0.25	121.07	
10/3/2003	14:30:33	33.3	59.15	4.964	0.032	30.30	0.28	106.94	
10/3/2003	14:30:35	35.2	59.13	4.964	0.032	30.33	0.32	95.79	
10/3/2003	14:30:37	37.3	59.13	4.964	0.032	30.37	0.35	86.76	
10/3/2003	14:30:39	39.5	59.13	4.966	0.030	30.40	0.38	79.30	
10/3/2003	14:30:41	41.8	59.13	4.966	0.030	30.43	0.42	73.04	
10/3/2003	14:30:44	44.3	59.13	4.968	0.028	30.48	0.47	65.32	
10/3/2003	14:30:46	46.9	59.11	4.968	0.028	30.52	0.50	61.03	
10/3/2003	14:30:49	49.7	59.11	4.968	0.028	30.57	0.55	55.58	
10/3/2003	14:30:52	52.6	59.11	4.968	0.028	30.62	0.60	51.03	
10/3/2003	14:30:55	55.7	59.09	4.968	0.028	30.67	0.65	47.18	

Well No. **MW-111A**

Date	Time	Test Time Elapsed Sec	Temp- erature oF	Depth Below SWL Ft	Draw- down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/3/2003	14:30:59	59	59.09	4.968	0.028	30.73	0.72	42.88	
10/3/2003	14:31:02	62.5	59.09	4.97	0.026	30.78	0.77	40.15	
10/3/2003	14:31:06	66.2	59.06	4.971	0.025	30.85	0.83	37.02	
10/3/2003	14:31:10	70.1	59.06	4.971	0.025	30.92	0.90	34.35	
10/3/2003	14:31:14	74.3	59.06	4.971	0.025	30.98	0.97	32.05	
10/3/2003	14:31:18	78.7	59.04	4.971	0.025	31.05	1.03	30.05	
10/3/2003	14:31:23	83.4	59.04	4.973	0.023	31.13	1.12	27.88	
10/3/2003	14:31:28	88.4	59.04	4.973	0.023	31.22	1.20	26.01	
10/3/2003	14:31:33	93.7	59.04	4.973	0.023	31.30	1.28	24.39	
10/3/2003	14:31:39	99.3	59.02	4.973	0.023	31.40	1.38	22.70	
10/3/2003	14:31:45	105.2	59.02	4.973	0.023	31.50	1.48	21.24	
10/3/2003	14:31:51	111.5	59	4.973	0.023	31.60	1.58	19.96	
10/3/2003	14:31:58	118.1	59	4.973	0.023	31.72	1.70	18.66	
10/3/2003	14:32:05	125.1	59	4.975	0.021	31.83	1.82	17.52	
10/3/2003	14:32:12	132.6	59	4.975	0.021	31.95	1.93	16.53	
10/3/2003	14:32:20	140.5	59	4.975	0.021	32.08	2.07	15.52	
10/3/2003	14:32:28	148.9	58.97	4.977	0.019	32.22	2.20	14.64	
10/3/2003	14:32:37	157.8	58.97	4.977	0.019	32.37	2.35	13.77	
10/3/2003	14:32:47	167.2	58.97	4.977	0.019	32.53	2.52	12.93	
10/3/2003	14:32:57	177.2	58.97	4.979	0.017	32.70	2.68	12.19	
10/3/2003	14:33:07	187.8	58.97	4.979	0.017	32.87	2.85	11.53	
10/3/2003	14:33:19	199	58.97	4.977	0.019	33.07	3.05	10.84	
10/3/2003	14:33:30	210.9	58.97	4.979	0.017	33.25	3.23	10.28	
10/3/2003	14:33:43	223.5	59	4.981	0.015	33.47	3.45	9.70	
10/3/2003	14:33:56	236.8	59	4.981	0.015	33.68	3.67	9.19	
10/3/2003	14:34:10	250.9	59	4.981	0.015	33.92	3.90	8.70	
10/3/2003	14:34:25	265.8	59	4.983	0.013	34.17	4.15	8.23	
10/3/2003	14:34:41	281.6	59	4.983	0.013	34.43	4.42	7.80	
10/3/2003	14:34:58	298.4	59	4.981	0.015	34.72	4.70	7.39	
10/3/2003	14:35:16	316.2	59	4.983	0.013	35.02	5.00	7.00	
10/3/2003	14:35:35	335	59	4.983	0.013	35.33	5.32	6.65	
10/3/2003	14:35:54	354.9	59	4.983	0.013	35.65	5.63	6.33	
10/3/2003	14:36:16	376	59	4.985	0.011	36.02	6.00	6.00	
10/3/2003	14:36:38	398.4	59	4.983	0.013	36.38	6.37	5.71	
10/3/2003	14:37:02	422.1	59	4.987	0.009	36.78	6.77	5.44	
10/3/2003	14:37:27	447.2	59.02	4.985	0.011	37.20	7.18	5.18	
10/3/2003	14:37:53	473.8	59.02	4.987	0.009	37.63	7.62	4.94	
10/3/2003	14:38:22	502	59.02	4.987	0.009	38.12	8.10	4.71	
10/3/2003	14:38:51	531.9	59.02	4.987	0.009	38.60	8.58	4.50	
10/3/2003	14:39:21	561.9	59.04	4.989	0.007	39.10	9.08	4.30	
10/3/2003	14:39:51	591.9	59.04	4.987	0.009	39.60	9.58	4.13	
10/3/2003	14:40:21	621.9	59.04	4.989	0.007	40.10	10.08	3.98	
10/3/2003	14:40:51	651.9	59.06	4.988	0.008	40.60	10.58	3.84	
10/3/2003	14:41:21	681.9	59.06	4.988	0.008	41.10	11.08	3.71	
10/3/2003	14:41:51	711.9	59.09	4.99	0.006	41.60	11.58	3.59	
10/3/2003	14:42:21	741.9	59.09	4.99	0.006	42.10	12.08	3.48	
10/3/2003	14:42:51	771.9	59.11	4.988	0.008	42.60	12.58	3.39	
10/3/2003	14:43:21	801.9	59.11	4.99	0.006	43.10	13.08	3.29	
10/3/2003	14:43:51	831.9	59.13	4.99	0.006	43.60	13.58	3.21	
10/3/2003	14:44:21	861.9	59.13	4.992	0.004	44.10	14.08	3.13	
10/3/2003	14:44:51	891.9	59.15	4.991	0.005	44.60	14.58	3.06	
10/3/2003	14:45:21	921.9	59.15	4.991	0.005	45.10	15.08	2.99	
10/3/2003	14:45:51	951.9	59.18	4.991	0.005	45.60	15.58	2.93	
10/3/2003	14:46:21	981.9	59.18	4.991	0.005	46.10	16.08	2.87	

DTW = 10.16 at 14:50

Pump and Recovery Tests - Summary
Peterson/Puritan OU2
October 2003

Well No.

P-7

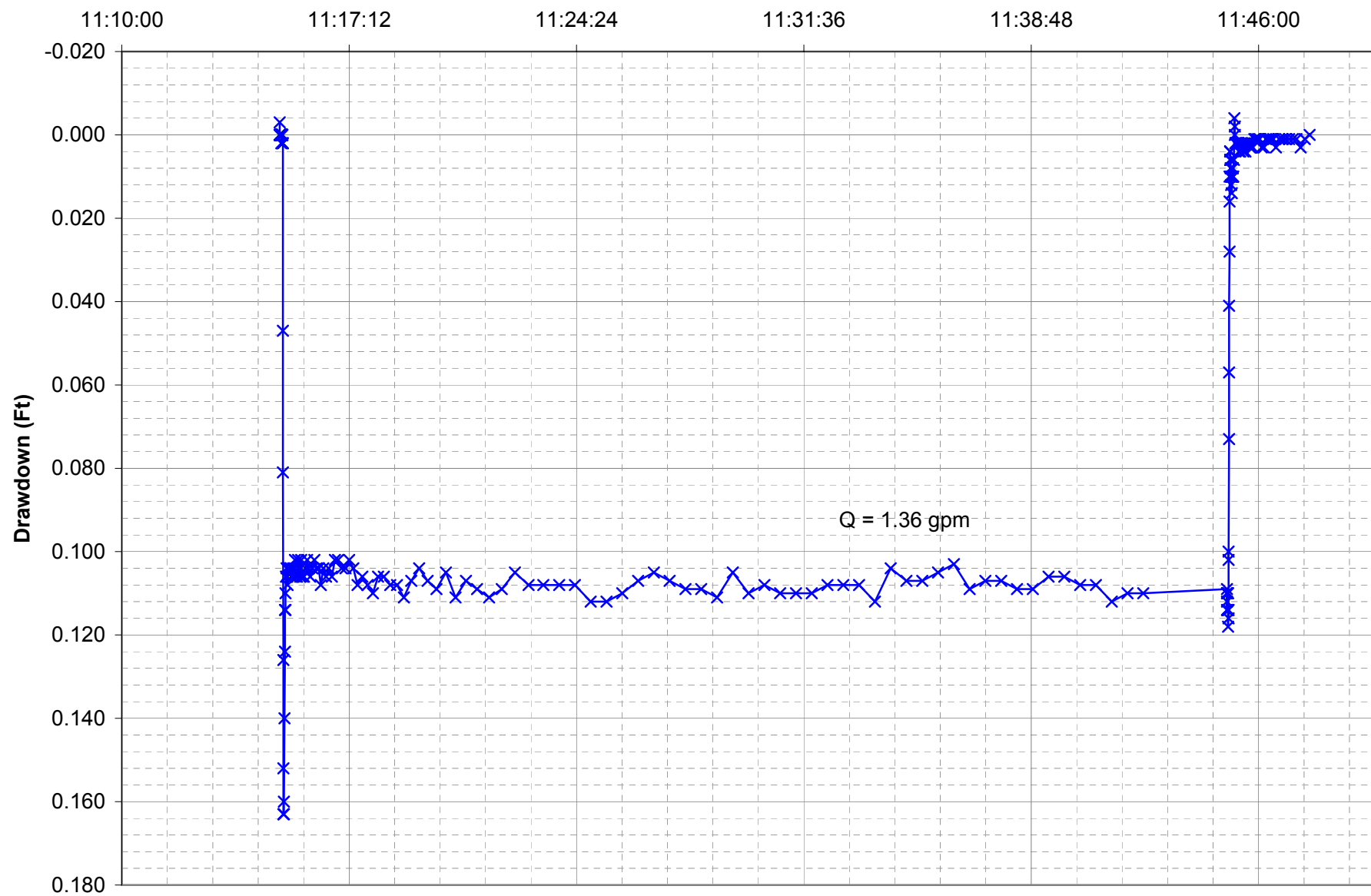
Equipment: In-Situ Inc. MiniTroll Pro
Test start date and time 10/4/2003 11:15:00
Test end date and time 10/4/2003 11:47:37
Period of pumping 30 minutes

Static depth to water 15.12 feet below top of casing
Starting transducer depth 5.013 feet below static water level
Total well depth 39.6 feet below top of casing
Depth to top of screen 29.6 feet below top of casing
Height of interval tested [b] 10.0 feet

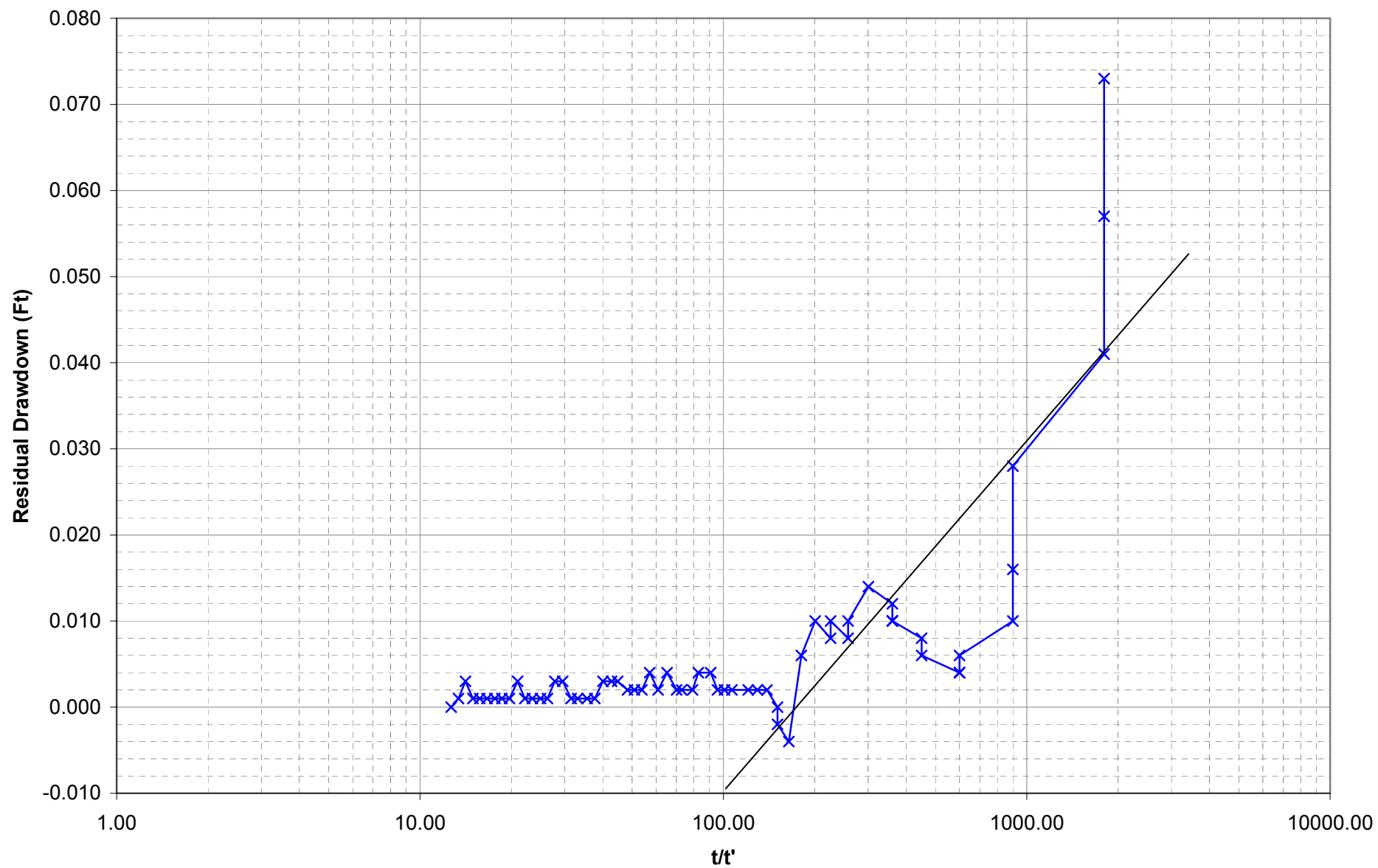
Average pumping rate [Q] 1.36 gpm, or 262 cfd
Average drawdown [s] 0.11 ft
Specific capacity [Q/s] 12.4 gpm/ft

Residual drawdown over one log cycle [Δs] 0.032 feet
Transmissivity [$T = (2.3Q)/(4\pi\Delta s)$] 1,497 cfd/ft
Hydraulic conductivity [$K = T/b$] 149.7 fpd, or 5.3E-02 cm/sec

Drawdown Over Time - P-7



Recovery Plot - P-7



Pump and Recovery Tests - Data
Peterson/Puritan OU2
October 2003

Well No. **P-7**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/4/2003	11:00:00								DTW = 15.12 at 11:00
10/4/2003	11:15:00	0	55.26	5.016	-0.003				Start Test 1
10/4/2003	11:15:00	0.3	55.28	5.013	0.000				
10/4/2003	11:15:00	0.6	55.3	5.013	0.000				
10/4/2003	11:15:00	0.9	55.3	5.013	0.000				
10/4/2003	11:15:01	1.2	55.33	5.013	0.000				
10/4/2003	11:15:01	1.5	55.33	5.013	0.000				
10/4/2003	11:15:01	1.8	55.33	5.013	0.000				
10/4/2003	11:15:02	2.1	55.33	5.013	0.000				
10/4/2003	11:15:02	2.4	55.33	5.013	0.000				
10/4/2003	11:15:02	2.7	55.35	5.013	0.000				
10/4/2003	11:15:03	3	55.35	5.013	0.000				
10/4/2003	11:15:03	3.3	55.35	5.011	0.002				
10/4/2003	11:15:03	3.6	55.35	5.013	0.000				
10/4/2003	11:15:03	3.9	55.35	5.013	0.000				
10/4/2003	11:15:04	4.2	55.35	5.013	0.000				
10/4/2003	11:15:04	4.5	55.35	5.013	0.000				
10/4/2003	11:15:04	4.8	55.35	5.013	0.000				
10/4/2003	11:15:05	5.1	55.35	5.013	0.000				
10/4/2003	11:15:05	5.4	55.35	5.011	0.002				
10/4/2003	11:15:05	5.7	55.35	5.013	0.000				
10/4/2003	11:15:06	6	55.35	5.011	0.002	0.00			Pump Start
10/4/2003	11:15:06	6.4	55.35	4.966	0.047	0.00			
10/4/2003	11:15:06	6.7	55.35	4.932	0.081	0.00			
10/4/2003	11:15:07	7.1	55.35	4.887	0.126	0.02			
10/4/2003	11:15:07	7.5	55.37	4.861	0.152	0.02			
10/4/2003	11:15:07	8	55.35	4.85	0.163	0.02			
10/4/2003	11:15:08	8.4	55.35	4.85	0.163	0.03			
10/4/2003	11:15:08	8.9	55.37	4.853	0.160	0.03			
10/4/2003	11:15:09	9.5	55.37	4.873	0.140	0.05			
10/4/2003	11:15:10	10	55.35	4.889	0.124	0.07			
10/4/2003	11:15:10	10.6	55.35	4.899	0.114	0.07			
10/4/2003	11:15:11	11.3	55.35	4.899	0.114	0.08			
10/4/2003	11:15:11	11.9	55.35	4.903	0.110	0.08			
10/4/2003	11:15:12	12.6	55.35	4.907	0.106	0.10			
10/4/2003	11:15:13	13.4	55.33	4.909	0.104	0.12			
10/4/2003	11:15:14	14.2	55.35	4.907	0.106	0.13			
10/4/2003	11:15:15	15	55.33	4.909	0.104	0.15			
10/4/2003	11:15:15	15.9	55.33	4.905	0.108	0.15			
10/4/2003	11:15:16	16.8	55.33	4.909	0.104	0.17			
10/4/2003	11:15:17	17.8	55.33	4.909	0.104	0.18			
10/4/2003	11:15:18	18.9	55.33	4.909	0.104	0.20			
10/4/2003	11:15:20	20	55.33	4.909	0.104	0.23			
10/4/2003	11:15:21	21.2	55.33	4.909	0.104	0.25			
10/4/2003	11:15:22	22.4	55.33	4.907	0.106	0.27			
10/4/2003	11:15:23	23.8	55.33	4.907	0.106	0.28			
10/4/2003	11:15:25	25.2	55.33	4.907	0.106	0.32			
10/4/2003	11:15:26	26.7	55.33	4.909	0.104	0.33			
10/4/2003	11:15:28	28.2	55.33	4.909	0.104	0.37			
10/4/2003	11:15:29	29.8	55.33	4.911	0.102	0.38			
10/4/2003	11:15:31	31.5	55.33	4.907	0.106	0.42			
10/4/2003	11:15:33	33.3	55.33	4.907	0.106	0.45			
10/4/2003	11:15:35	35.2	55.33	4.911	0.102	0.48			
10/4/2003	11:15:37	37.3	55.33	4.909	0.104	0.52			
10/4/2003	11:15:39	39.5	55.33	4.907	0.106	0.55			
10/4/2003	11:15:41	41.8	55.33	4.911	0.102	0.58			
10/4/2003	11:15:44	44.3	55.33	4.907	0.106	0.63			
10/4/2003	11:15:46	46.9	55.33	4.907	0.106	0.67			
10/4/2003	11:15:49	49.7	55.33	4.909	0.104	0.72			
10/4/2003	11:15:52	52.6	55.33	4.911	0.102	0.77			
10/4/2003	11:15:55	55.7	55.33	4.909	0.104	0.82			
10/4/2003	11:15:58	59	55.33	4.907	0.106	0.87			
10/4/2003	11:16:02	62.5	55.33	4.909	0.104	0.93			
10/4/2003	11:16:06	66.2	55.33	4.911	0.102	1.00			
10/4/2003	11:16:10	70.1	55.33	4.909	0.104	1.07			

Well No. **P-7**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/4/2003	11:16:14	74.3	55.33	4.909	0.104	1.13			
10/4/2003	11:16:18	78.7	55.3	4.905	0.108	1.20			
10/4/2003	11:16:23	83.4	55.3	4.909	0.104	1.28			
10/4/2003	11:16:28	88.4	55.3	4.907	0.106	1.37			
10/4/2003	11:16:33	93.7	55.3	4.909	0.104	1.45			
10/4/2003	11:16:39	99.3	55.3	4.907	0.106	1.55			
10/4/2003	11:16:45	105.2	55.3	4.911	0.102	1.65			
10/4/2003	11:16:51	111.5	55.3	4.911	0.102	1.75			
10/4/2003	11:16:58	118.1	55.3	4.909	0.104	1.87			
10/4/2003	11:17:05	125.1	55.3	4.909	0.104	1.98			1.36 gpm flow rate
10/4/2003	11:17:12	132.6	55.3	4.911	0.102	2.10			
10/4/2003	11:17:20	140.5	55.3	4.909	0.104	2.23			
10/4/2003	11:17:28	148.9	55.3	4.905	0.108	2.37			
10/4/2003	11:17:37	157.8	55.3	4.907	0.106	2.52			
10/4/2003	11:17:47	167.2	55.28	4.905	0.108	2.68			
10/4/2003	11:17:57	177.2	55.28	4.903	0.110	2.85			
10/4/2003	11:18:07	187.8	55.28	4.907	0.106	3.02			
10/4/2003	11:18:18	199	55.28	4.907	0.106	3.20			
10/4/2003	11:18:30	210.9	55.28	4.905	0.108	3.40			
10/4/2003	11:18:43	223.5	55.28	4.905	0.108	3.62			
10/4/2003	11:18:56	236.8	55.26	4.902	0.111	3.83			
10/4/2003	11:19:10	250.9	55.26	4.906	0.107	4.07			
10/4/2003	11:19:25	265.8	55.26	4.909	0.104	4.32			
10/4/2003	11:19:41	281.6	55.24	4.906	0.107	4.58			
10/4/2003	11:19:58	298.4	55.24	4.904	0.109	4.87			
10/4/2003	11:20:16	316.2	55.24	4.908	0.105	5.17			
10/4/2003	11:20:34	335	55.21	4.902	0.111	5.47			
10/4/2003	11:20:54	354.9	55.21	4.906	0.107	5.80			
10/4/2003	11:21:15	376	55.21	4.904	0.109	6.15			
10/4/2003	11:21:38	398.4	55.19	4.902	0.111	6.53			
10/4/2003	11:22:02	422.1	55.19	4.904	0.109	6.93			
10/4/2003	11:22:27	447.2	55.17	4.908	0.105	7.35			
10/4/2003	11:22:53	473.8	55.15	4.905	0.108	7.78			
10/4/2003	11:23:21	502	55.15	4.905	0.108	8.25			1.36 gpm flow rate
10/4/2003	11:23:51	531.9	55.12	4.905	0.108	8.75			
10/4/2003	11:24:21	561.9	55.12	4.905	0.108	9.25			
10/4/2003	11:24:51	591.9	55.1	4.901	0.112	9.75			
10/4/2003	11:25:21	621.9	55.08	4.901	0.112	10.25			
10/4/2003	11:25:51	651.9	55.08	4.903	0.110	10.75			
10/4/2003	11:26:21	681.9	55.05	4.906	0.107	11.25			
10/4/2003	11:26:51	711.9	55.03	4.908	0.105	11.75			
10/4/2003	11:27:21	741.9	55.01	4.906	0.107	12.25			
10/4/2003	11:27:51	771.9	55.01	4.904	0.109	12.75			
10/4/2003	11:28:21	801.9	54.99	4.904	0.109	13.25			
10/4/2003	11:28:51	831.9	54.99	4.902	0.111	13.75			
10/4/2003	11:29:21	861.9	54.96	4.908	0.105	14.25			
10/4/2003	11:29:51	891.9	54.94	4.903	0.110	14.75			
10/4/2003	11:30:21	921.9	54.94	4.905	0.108	15.25			
10/4/2003	11:30:51	951.9	54.94	4.903	0.110	15.75			
10/4/2003	11:31:21	981.9	54.92	4.903	0.110	16.25			
10/4/2003	11:31:51	1011.9	54.92	4.903	0.110	16.75			
10/4/2003	11:32:21	1041.9	54.9	4.905	0.108	17.25			
10/4/2003	11:32:51	1071.9	54.87	4.905	0.108	17.75			
10/4/2003	11:33:21	1101.9	54.87	4.905	0.108	18.25			
10/4/2003	11:33:51	1131.9	54.87	4.901	0.112	18.75			
10/4/2003	11:34:21	1161.9	54.85	4.909	0.104	19.25			
10/4/2003	11:34:51	1191.9	54.83	4.906	0.107	19.75			
10/4/2003	11:35:21	1221.9	54.83	4.906	0.107	20.25			
10/4/2003	11:35:51	1251.9	54.81	4.908	0.105	20.75			
10/4/2003	11:36:21	1281.9	54.81	4.91	0.103	21.25			
10/4/2003	11:36:51	1311.9	54.78	4.904	0.109	21.75			
10/4/2003	11:37:21	1341.9	54.78	4.906	0.107	22.25			
10/4/2003	11:37:51	1371.9	54.78	4.906	0.107	22.75			
10/4/2003	11:38:21	1401.9	54.76	4.904	0.109	23.25			
10/4/2003	11:38:51	1431.9	54.76	4.904	0.109	23.75			
10/4/2003	11:39:21	1461.9	54.74	4.907	0.106	24.25			
10/4/2003	11:39:51	1491.9	54.74	4.907	0.106	24.75			
10/4/2003	11:40:21	1521.9	54.74	4.905	0.108	25.25			
10/4/2003	11:40:51	1551.9	54.71	4.905	0.108	25.75			

Well No. **P-7**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/4/2003	11:41:21	1581.9	54.71	4.901	0.112	26.25			
10/4/2003	11:41:51	1611.9	54.69	4.903	0.110	26.75			
10/4/2003	11:42:21	1641.9	54.69	4.903	0.110	27.25			
10/4/2003	11:45:00	0	54.65	4.904	0.109	29.90			Start Test 2
10/4/2003	11:45:00	0.3	54.67	4.901	0.112	29.90			
10/4/2003	11:45:00	0.6	54.69	4.899	0.114	29.90			
10/4/2003	11:45:00	0.9	54.69	4.903	0.110	29.90			
10/4/2003	11:45:01	1.2	54.69	4.903	0.110	29.92			
10/4/2003	11:45:01	1.5	54.71	4.903	0.110	29.92			
10/4/2003	11:45:01	1.8	54.71	4.899	0.114	29.92			
10/4/2003	11:45:02	2.1	54.71	4.903	0.110	29.93			
10/4/2003	11:45:02	2.4	54.71	4.895	0.118	29.93			
10/4/2003	11:45:02	2.7	54.71	4.899	0.114	29.93			
10/4/2003	11:45:03	3	54.71	4.897	0.116	29.95			
10/4/2003	11:45:03	3.3	54.74	4.899	0.114	29.95	0.00		Pump Stop
10/4/2003	11:45:03	3.6	54.74	4.913	0.100	29.95	0.00		
10/4/2003	11:45:03	3.9	54.74	4.911	0.102	29.95	0.00		
10/4/2003	11:45:04	4.2	54.74	4.94	0.073	29.97	0.02	1798.00	
10/4/2003	11:45:04	4.5	54.74	4.956	0.057	29.97	0.02	1798.00	
10/4/2003	11:45:04	4.8	54.74	4.972	0.041	29.97	0.02	1798.00	
10/4/2003	11:45:05	5.1	54.74	4.985	0.028	29.98	0.03	899.50	
10/4/2003	11:45:05	5.4	54.74	4.997	0.016	29.98	0.03	899.50	
10/4/2003	11:45:05	5.7	54.74	5.003	0.010	29.98	0.03	899.50	
10/4/2003	11:45:06	6	54.74	5.007	0.006	30.00	0.05	600.00	
10/4/2003	11:45:06	6.4	54.74	5.009	0.004	30.00	0.05	600.00	
10/4/2003	11:45:06	6.7	54.74	5.009	0.004	30.00	0.05	600.00	
10/4/2003	11:45:07	7.1	54.74	5.007	0.006	30.02	0.07	450.25	
10/4/2003	11:45:07	7.5	54.74	5.005	0.008	30.02	0.07	450.25	
10/4/2003	11:45:08	8	54.74	5.003	0.010	30.03	0.08	360.40	
10/4/2003	11:45:08	8.4	54.74	5.003	0.010	30.03	0.08	360.40	
10/4/2003	11:45:08	8.9	54.74	5.001	0.012	30.03	0.08	360.40	
10/4/2003	11:45:09	9.5	54.76	4.999	0.014	30.05	0.10	300.50	
10/4/2003	11:45:10	10	54.74	5.003	0.010	30.07	0.12	257.71	
10/4/2003	11:45:10	10.6	54.74	5.005	0.008	30.07	0.12	257.71	
10/4/2003	11:45:11	11.3	54.71	5.003	0.010	30.08	0.13	225.63	
10/4/2003	11:45:11	11.9	54.74	5.005	0.008	30.08	0.13	225.63	
10/4/2003	11:45:12	12.6	54.71	5.003	0.010	30.10	0.15	200.67	
10/4/2003	11:45:13	13.4	54.71	5.007	0.006	30.12	0.17	180.70	
10/4/2003	11:45:14	14.2	54.71	5.017	-0.004	30.13	0.18	164.36	
10/4/2003	11:45:15	15	54.71	5.015	-0.002	30.15	0.20	150.75	
10/4/2003	11:45:15	15.9	54.71	5.013	0.000	30.15	0.20	150.75	
10/4/2003	11:45:16	16.8	54.71	5.011	0.002	30.17	0.22	139.23	
10/4/2003	11:45:17	17.8	54.71	5.011	0.002	30.18	0.23	129.36	
10/4/2003	11:45:18	18.9	54.71	5.011	0.002	30.20	0.25	120.80	
10/4/2003	11:45:20	20	54.71	5.011	0.002	30.23	0.28	106.71	
10/4/2003	11:45:21	21.2	54.71	5.011	0.002	30.25	0.30	100.83	
10/4/2003	11:45:22	22.4	54.71	5.011	0.002	30.27	0.32	95.58	
10/4/2003	11:45:23	23.8	54.69	5.009	0.004	30.28	0.33	90.85	
10/4/2003	11:45:25	25.2	54.71	5.009	0.004	30.32	0.37	82.68	
10/4/2003	11:45:26	26.7	54.71	5.011	0.002	30.33	0.38	79.13	
10/4/2003	11:45:28	28.2	54.69	5.011	0.002	30.37	0.42	72.88	
10/4/2003	11:45:29	29.8	54.69	5.011	0.002	30.38	0.43	70.12	
10/4/2003	11:45:31	31.5	54.69	5.009	0.004	30.42	0.47	65.18	
10/4/2003	11:45:33	33.3	54.69	5.011	0.002	30.45	0.50	60.90	
10/4/2003	11:45:35	35.2	54.69	5.009	0.004	30.48	0.53	57.16	
10/4/2003	11:45:37	37.3	54.69	5.011	0.002	30.52	0.57	53.85	
10/4/2003	11:45:39	39.5	54.69	5.011	0.002	30.55	0.60	50.92	
10/4/2003	11:45:41	41.8	54.69	5.011	0.002	30.58	0.63	48.29	
10/4/2003	11:45:44	44.3	54.67	5.01	0.003	30.63	0.68	44.83	
10/4/2003	11:45:46	46.9	54.67	5.01	0.003	30.67	0.72	42.79	
10/4/2003	11:45:49	49.7	54.67	5.01	0.003	30.72	0.77	40.07	
10/4/2003	11:45:52	52.6	54.67	5.012	0.001	30.77	0.82	37.67	
10/4/2003	11:45:55	55.7	54.65	5.012	0.001	30.82	0.87	35.56	
10/4/2003	11:45:59	59	54.65	5.012	0.001	30.88	0.93	33.09	
10/4/2003	11:46:02	62.5	54.65	5.012	0.001	30.93	0.98	31.46	
10/4/2003	11:46:06	66.2	54.65	5.01	0.003	31.00	1.05	29.52	
10/4/2003	11:46:10	70.1	54.65	5.01	0.003	31.07	1.12	27.82	
10/4/2003	11:46:14	74.3	54.65	5.012	0.001	31.13	1.18	26.31	
10/4/2003	11:46:18	78.7	54.62	5.012	0.001	31.20	1.25	24.96	

Well No. **P-7**

Date	Time	Test Time Elapsed Sec	Temp- erature oF	Depth Below SWL Ft	Draw- down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/4/2003	11:46:23	83.4	54.62	5.012	0.001	31.28	1.33	23.46	
10/4/2003	11:46:28	88.4	54.62	5.012	0.001	31.37	1.42	22.14	
10/4/2003	11:46:33	93.7	54.62	5.01	0.003	31.45	1.50	20.97	
10/4/2003	11:46:39	99.3	54.6	5.012	0.001	31.55	1.60	19.72	
10/4/2003	11:46:45	105.2	54.6	5.012	0.001	31.65	1.70	18.62	
10/4/2003	11:46:51	111.5	54.6	5.012	0.001	31.75	1.80	17.64	
10/4/2003	11:46:58	118.1	54.58	5.012	0.001	31.87	1.92	16.63	
10/4/2003	11:47:05	125.1	54.58	5.012	0.001	31.98	2.03	15.73	
10/4/2003	11:47:12	132.6	54.58	5.012	0.001	32.10	2.15	14.93	
10/4/2003	11:47:20	140.5	54.58	5.01	0.003	32.23	2.28	14.12	
10/4/2003	11:47:28	148.9	54.58	5.012	0.001	32.37	2.42	13.39	
10/4/2003	11:47:37	157.8	54.56	5.013	0.000	32.52	2.57	12.67	
10/4/2003	12:05:00								DTW = 15.12 at 12:05

Pump and Recovery Tests - Summary
Peterson/Puritan OU2
October 2003

Well No.

P-8

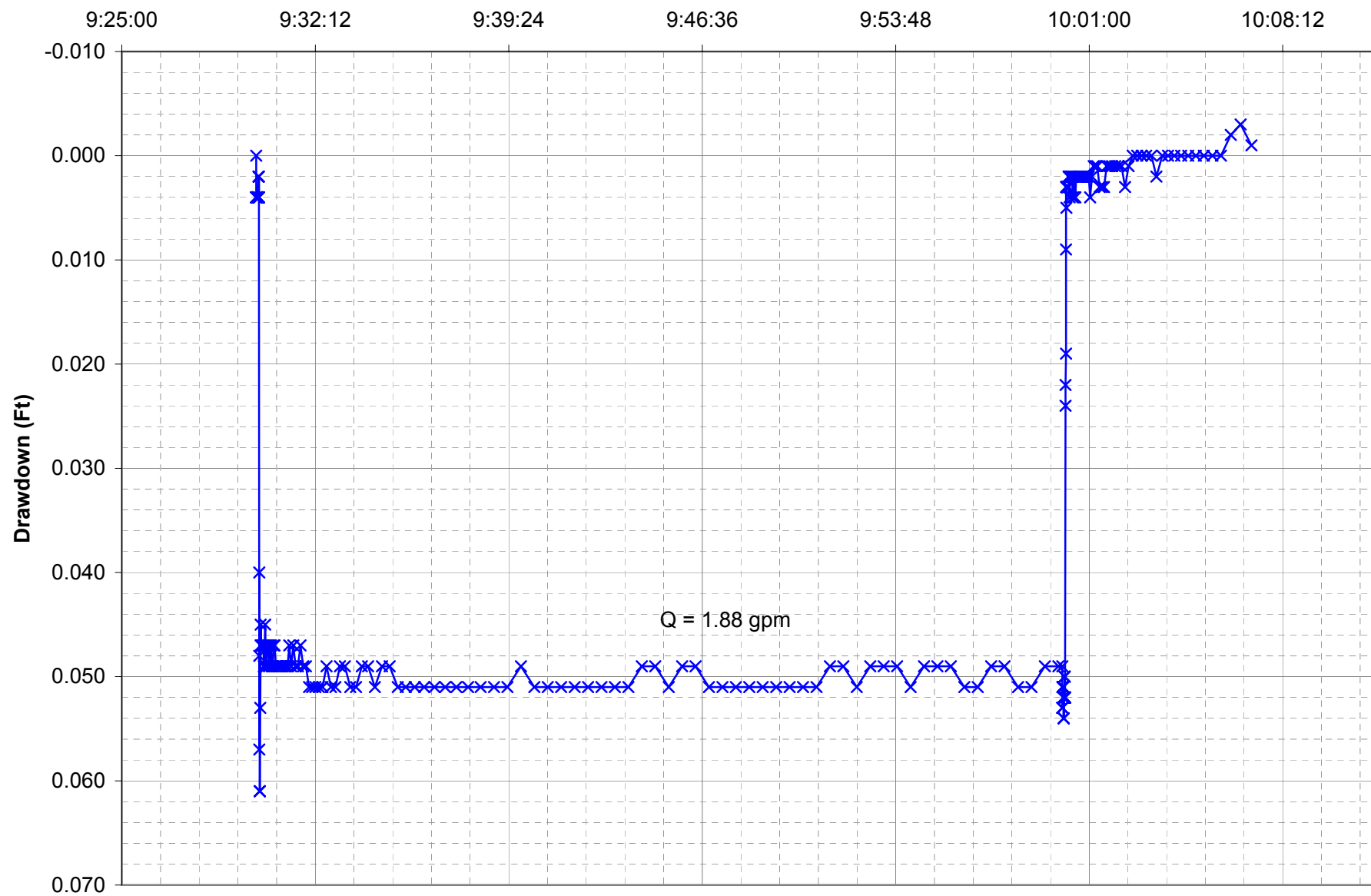
Equipment: In-Situ Inc. MiniTroll Pro
Test start date and time 10/4/2003 9:30:00
Test end date and time 10/4/2003 10:07:02
Period of pumping 30 minutes

Static depth to water 7.64 feet below top of casing
Startiing transducer depth 5.010 feet below static water level
Total well depth 21.8 feet below top of casing
Depth to top of screen 11.8 feet below top of casing
Height of interval tested [b] 10.0 feet

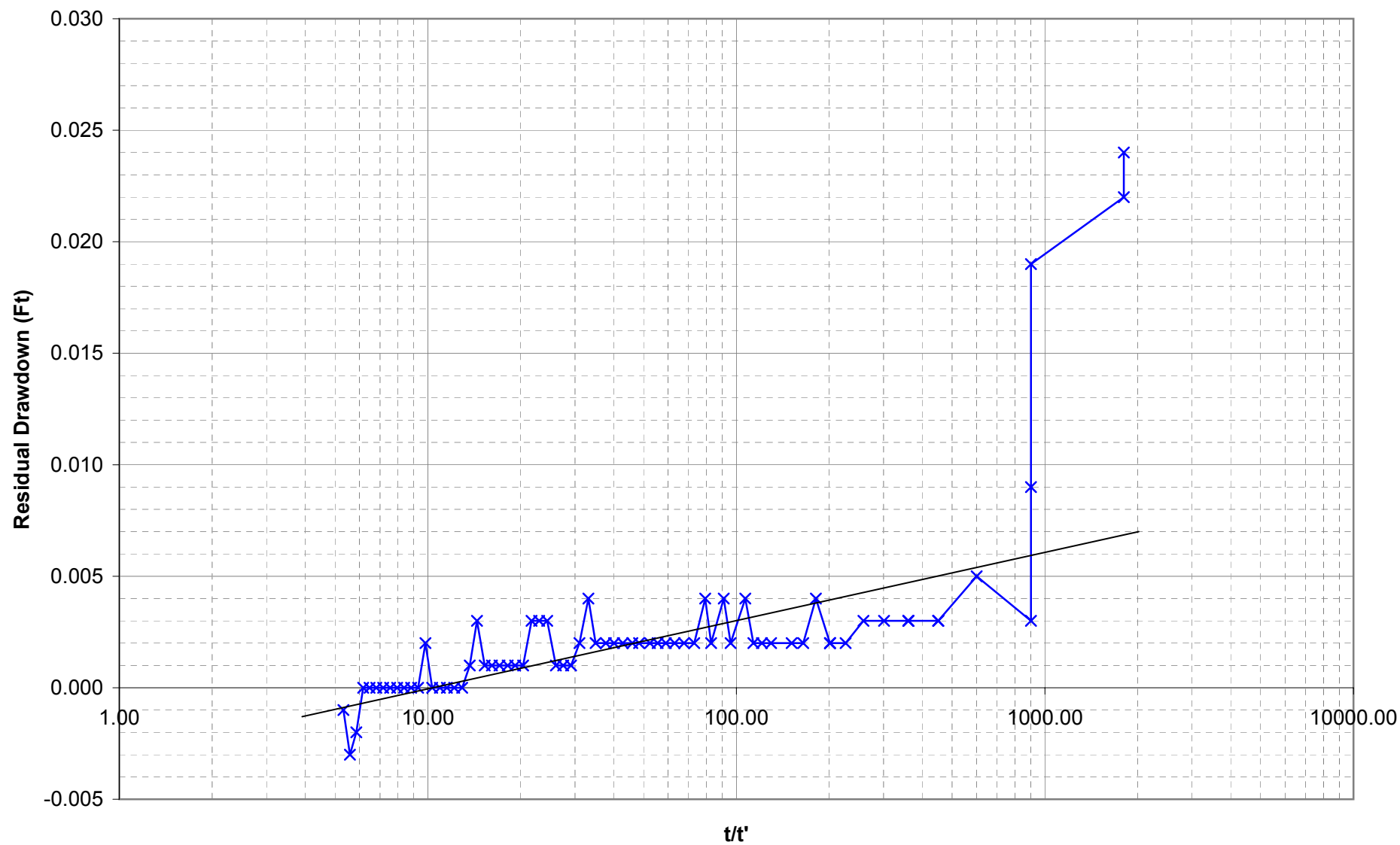
Average pumping rate [Q] 1.88 gpm, or 362 cfd
Average drawdown [s] 0.050 ft
Specific capacity [Q/s] 37.6 gpm/ft

Residual drawdown over one log cycle [Δs] 0.003 feet
Transmissivity [$T = (2.3Q)/(4*\pi*\Delta s)$] 22,078 cfd/ft
Hydraulic conductivity [$K = T/b$] 2207.8 fpd, or 7.8E-01 cm/sec

Drawdown Over Time - P-8



Recovery Plot - P-8



Pump and Recovery Tests - Data
Peterson/Puritan OU2
October 2003

Well No. **P-8**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/4/2003	9:00:00								DTW = 7.63 at 9:00
10/4/2003	9:20:00								DTW = 7.64 at 9:20
10/4/2003	9:30:00	0	59.61	5.01	0.000				Start Test 1
10/4/2003	9:30:00	0.3	59.63	5.006	0.004				
10/4/2003	9:30:00	0.6	59.65	5.006	0.004				
10/4/2003	9:30:00	0.9	59.65	5.006	0.004				
10/4/2003	9:30:01	1.2	59.65	5.006	0.004				
10/4/2003	9:30:01	1.5	59.65	5.006	0.004				
10/4/2003	9:30:01	1.8	59.67	5.006	0.004				
10/4/2003	9:30:02	2.1	59.67	5.006	0.004				
10/4/2003	9:30:02	2.4	59.67	5.006	0.004				
10/4/2003	9:30:02	2.7	59.67	5.006	0.004				
10/4/2003	9:30:03	3	59.67	5.006	0.004				
10/4/2003	9:30:03	3.3	59.67	5.006	0.004				
10/4/2003	9:30:03	3.6	59.67	5.006	0.004				
10/4/2003	9:30:03	3.9	59.67	5.006	0.004				
10/4/2003	9:30:04	4.2	59.67	5.006	0.004				
10/4/2003	9:30:04	4.5	59.67	5.006	0.004				
10/4/2003	9:30:04	4.8	59.67	5.006	0.004				
10/4/2003	9:30:05	5.1	59.7	5.008	0.002				
10/4/2003	9:30:05	5.4	59.7	5.006	0.004				
10/4/2003	9:30:05	5.7	59.7	5.006	0.004				
10/4/2003	9:30:06	6	59.7	5.006	0.004				
10/4/2003	9:30:06	6.4	59.7	5.006	0.004				
10/4/2003	9:30:06	6.7	59.7	5.008	0.002	0.00			Pump Start
10/4/2003	9:30:07	7.1	59.7	4.953	0.057	0.02			
10/4/2003	9:30:07	7.5	59.7	4.97	0.040	0.02			
10/4/2003	9:30:07	8	59.7	4.962	0.048	0.02			
10/4/2003	9:30:08	8.4	59.7	4.949	0.061	0.03			
10/4/2003	9:30:08	8.9	59.7	4.949	0.061	0.03			
10/4/2003	9:30:09	9.5	59.7	4.957	0.053	0.05			
10/4/2003	9:30:10	10	59.67	4.963	0.047	0.07			
10/4/2003	9:30:10	10.6	59.67	4.965	0.045	0.07			
10/4/2003	9:30:11	11.3	59.67	4.963	0.047	0.08			
10/4/2003	9:30:11	11.9	59.67	4.963	0.047	0.08			
10/4/2003	9:30:12	12.6	59.67	4.963	0.047	0.10			
10/4/2003	9:30:13	13.4	59.67	4.963	0.047	0.12			
10/4/2003	9:30:14	14.2	59.67	4.963	0.047	0.13			
10/4/2003	9:30:15	15	59.65	4.963	0.047	0.15			
10/4/2003	9:30:15	15.9	59.65	4.963	0.047	0.15			
10/4/2003	9:30:16	16.8	59.65	4.963	0.047	0.17			
10/4/2003	9:30:17	17.8	59.65	4.961	0.049	0.18			
10/4/2003	9:30:18	18.9	59.65	4.961	0.049	0.20			
10/4/2003	9:30:20	20	59.65	4.965	0.045	0.23			
10/4/2003	9:30:21	21.2	59.65	4.963	0.047	0.25			
10/4/2003	9:30:22	22.4	59.65	4.963	0.047	0.27			
10/4/2003	9:30:23	23.8	59.65	4.961	0.049	0.28			
10/4/2003	9:30:25	25.2	59.65	4.963	0.047	0.32			
10/4/2003	9:30:26	26.7	59.65	4.963	0.047	0.33			
10/4/2003	9:30:28	28.2	59.65	4.963	0.047	0.37			
10/4/2003	9:30:29	29.8	59.65	4.961	0.049	0.38			
10/4/2003	9:30:31	31.5	59.65	4.963	0.047	0.42			
10/4/2003	9:30:33	33.3	59.65	4.963	0.047	0.45			
10/4/2003	9:30:35	35.2	59.65	4.961	0.049	0.48			
10/4/2003	9:30:37	37.3	59.65	4.961	0.049	0.52			
10/4/2003	9:30:39	39.5	59.65	4.963	0.047	0.55			
10/4/2003	9:30:41	41.8	59.65	4.963	0.047	0.58			
10/4/2003	9:30:44	44.3	59.65	4.961	0.049	0.63			
10/4/2003	9:30:46	46.9	59.65	4.961	0.049	0.67			
10/4/2003	9:30:49	49.7	59.65	4.961	0.049	0.72			
10/4/2003	9:30:52	52.6	59.65	4.961	0.049	0.77			
10/4/2003	9:30:55	55.7	59.65	4.961	0.049	0.82			
10/4/2003	9:30:58	59	59.65	4.961	0.049	0.87			
10/4/2003	9:31:02	62.5	59.65	4.961	0.049	0.93			1.85 gpm flow rate
10/4/2003	9:31:06	66.2	59.65	4.961	0.049	1.00			

Well No. **P-8**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/4/2003	9:31:10	70.1	59.65	4.961	0.049	1.07			
10/4/2003	9:31:14	74.3	59.65	4.963	0.047	1.13			
10/4/2003	9:31:18	78.7	59.65	4.961	0.049	1.20			
10/4/2003	9:31:23	83.4	59.65	4.963	0.047	1.28			
10/4/2003	9:31:28	88.4	59.65	4.961	0.049	1.37			
10/4/2003	9:31:33	93.7	59.65	4.961	0.049	1.45			
10/4/2003	9:31:39	99.3	59.65	4.963	0.047	1.55			
10/4/2003	9:31:45	105.2	59.65	4.961	0.049	1.65			
10/4/2003	9:31:51	111.5	59.65	4.961	0.049	1.75			
10/4/2003	9:31:58	118.1	59.65	4.959	0.051	1.87			
10/4/2003	9:32:05	125.1	59.65	4.959	0.051	1.98			
10/4/2003	9:32:12	132.6	59.65	4.959	0.051	2.10			
10/4/2003	9:32:20	140.5	59.63	4.959	0.051	2.23			
10/4/2003	9:32:28	148.9	59.63	4.959	0.051	2.37			
10/4/2003	9:32:37	157.8	59.63	4.961	0.049	2.52			
10/4/2003	9:32:47	167.2	59.63	4.959	0.051	2.68			
10/4/2003	9:32:57	177.2	59.63	4.959	0.051	2.85			
10/4/2003	9:33:07	187.8	59.63	4.961	0.049	3.02			
10/4/2003	9:33:18	199	59.63	4.961	0.049	3.20			
10/4/2003	9:33:30	210.9	59.63	4.959	0.051	3.40			
10/4/2003	9:33:43	223.5	59.63	4.959	0.051	3.62			
10/4/2003	9:33:56	236.8	59.63	4.961	0.049	3.83			
10/4/2003	9:34:10	250.9	59.63	4.961	0.049	4.07			
10/4/2003	9:34:25	265.8	59.63	4.959	0.051	4.32			
10/4/2003	9:34:41	281.6	59.63	4.961	0.049	4.58			
10/4/2003	9:34:58	298.4	59.63	4.961	0.049	4.87			
10/4/2003	9:35:16	316.2	59.63	4.959	0.051	5.17			
10/4/2003	9:35:34	335	59.63	4.959	0.051	5.47			
10/4/2003	9:35:54	354.9	59.63	4.959	0.051	5.80			
10/4/2003	9:36:15	376	59.63	4.959	0.051	6.15			
10/4/2003	9:36:38	398.4	59.63	4.959	0.051	6.53			
10/4/2003	9:37:02	422.1	59.63	4.959	0.051	6.93			
10/4/2003	9:37:27	447.2	59.63	4.959	0.051	7.35			
10/4/2003	9:37:53	473.8	59.63	4.959	0.051	7.78			
10/4/2003	9:38:21	502	59.63	4.959	0.051	8.25			1.88 gpm flow rate
10/4/2003	9:38:51	531.9	59.63	4.959	0.051	8.75			
10/4/2003	9:39:21	561.9	59.63	4.959	0.051	9.25			
10/4/2003	9:39:51	591.9	59.63	4.961	0.049	9.75			
10/4/2003	9:40:21	621.9	59.63	4.959	0.051	10.25			
10/4/2003	9:40:51	651.9	59.63	4.959	0.051	10.75			
10/4/2003	9:41:21	681.9	59.63	4.959	0.051	11.25			
10/4/2003	9:41:51	711.9	59.63	4.959	0.051	11.75			
10/4/2003	9:42:21	741.9	59.63	4.959	0.051	12.25			
10/4/2003	9:42:51	771.9	59.63	4.959	0.051	12.75			
10/4/2003	9:43:21	801.9	59.63	4.959	0.051	13.25			
10/4/2003	9:43:51	831.9	59.63	4.959	0.051	13.75			
10/4/2003	9:44:21	861.9	59.63	4.961	0.049	14.25			
10/4/2003	9:44:51	891.9	59.63	4.961	0.049	14.75			
10/4/2003	9:45:21	921.9	59.63	4.959	0.051	15.25			1.90 gpm flow rate
10/4/2003	9:45:51	951.9	59.63	4.961	0.049	15.75			
10/4/2003	9:46:21	981.9	59.63	4.961	0.049	16.25			
10/4/2003	9:46:51	1011.9	59.63	4.959	0.051	16.75			
10/4/2003	9:47:21	1041.9	59.63	4.959	0.051	17.25			
10/4/2003	9:47:51	1071.9	59.63	4.959	0.051	17.75			
10/4/2003	9:48:21	1101.9	59.63	4.959	0.051	18.25			
10/4/2003	9:48:51	1131.9	59.63	4.959	0.051	18.75			
10/4/2003	9:49:21	1161.9	59.63	4.959	0.051	19.25			
10/4/2003	9:49:51	1191.9	59.63	4.959	0.051	19.75			
10/4/2003	9:50:21	1221.9	59.63	4.959	0.051	20.25			1.89 gpm flow rate
10/4/2003	9:50:51	1251.9	59.63	4.959	0.051	20.75			
10/4/2003	9:51:21	1281.9	59.63	4.961	0.049	21.25			
10/4/2003	9:51:51	1311.9	59.63	4.961	0.049	21.75			
10/4/2003	9:52:21	1341.9	59.63	4.959	0.051	22.25			
10/4/2003	9:52:51	1371.9	59.63	4.961	0.049	22.75			
10/4/2003	9:53:21	1401.9	59.63	4.961	0.049	23.25			
10/4/2003	9:53:51	1431.9	59.63	4.961	0.049	23.75			
10/4/2003	9:54:21	1461.9	59.63	4.959	0.051	24.25			
10/4/2003	9:54:51	1491.9	59.63	4.961	0.049	24.75			
10/4/2003	9:55:21	1521.9	59.63	4.961	0.049	25.25			

Well No. **P-8**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/4/2003	9:55:51	1551.9	59.63	4.961	0.049	25.75			
10/4/2003	9:56:21	1581.9	59.63	4.959	0.051	26.25			
10/4/2003	9:56:51	1611.9	59.63	4.959	0.051	26.75			
10/4/2003	9:57:21	1641.9	59.65	4.961	0.049	27.25			
10/4/2003	9:57:51	1671.9	59.63	4.961	0.049	27.75			
10/4/2003	9:58:21	1701.9	59.65	4.959	0.051	28.25			
10/4/2003	9:58:51	1731.9	59.63	4.959	0.051	28.75			
10/4/2003	9:59:21	1761.9	59.65	4.961	0.049	29.25			
10/4/2003	9:59:51	1791.9	59.65	4.961	0.049	29.75			
10/4/2003	10:00:00	0	59.65	4.961	0.049	29.90			Start Test 2
10/4/2003	10:00:00	0.3	59.65	4.959	0.051	29.90			
10/4/2003	10:00:00	0.6	59.67	4.957	0.053	29.90			
10/4/2003	10:00:00	0.9	59.67	4.957	0.053	29.90			
10/4/2003	10:00:01	1.2	59.7	4.959	0.051	29.92			
10/4/2003	10:00:01	1.5	59.7	4.959	0.051	29.92			
10/4/2003	10:00:01	1.8	59.7	4.959	0.051	29.92			
10/4/2003	10:00:02	2.1	59.7	4.959	0.051	29.93			
10/4/2003	10:00:02	2.4	59.7	4.959	0.051	29.93			
10/4/2003	10:00:02	2.7	59.72	4.958	0.052	29.93			
10/4/2003	10:00:03	3	59.72	4.958	0.052	29.95			
10/4/2003	10:00:03	3.3	59.72	4.956	0.054	29.95			
10/4/2003	10:00:03	3.6	59.72	4.958	0.052	29.95			
10/4/2003	10:00:03	3.9	59.72	4.956	0.054	29.95			
10/4/2003	10:00:04	4.2	59.72	4.958	0.052	29.97			
10/4/2003	10:00:04	4.5	59.72	4.958	0.052	29.97			
10/4/2003	10:00:04	4.8	59.72	4.958	0.052	29.97			
10/4/2003	10:00:05	5.1	59.72	4.958	0.052	29.98			
10/4/2003	10:00:05	5.4	59.72	4.96	0.050	29.98			
10/4/2003	10:00:05	5.7	59.72	4.96	0.050	29.98			
10/4/2003	10:00:06	6	59.72	4.958	0.052	30.00			
10/4/2003	10:00:06	6.4	59.72	4.958	0.052	30.00			
10/4/2003	10:00:06	6.7	59.74	4.958	0.052	30.00	0.00		Pump Stop
10/4/2003	10:00:07	7.1	59.72	4.986	0.024	30.02	0.02	1801.00	
10/4/2003	10:00:07	7.5	59.72	4.988	0.022	30.02	0.02	1801.00	
10/4/2003	10:00:08	8	59.74	4.991	0.019	30.03	0.03	901.00	
10/4/2003	10:00:08	8.4	59.74	5.001	0.009	30.03	0.03	901.00	
10/4/2003	10:00:08	8.9	59.74	5.007	0.003	30.03	0.03	901.00	
10/4/2003	10:00:09	9.5	59.74	5.005	0.005	30.05	0.05	601.00	
10/4/2003	10:00:10	10	59.72	5.007	0.003	30.07	0.07	451.00	
10/4/2003	10:00:10	10.6	59.72	5.007	0.003	30.07	0.07	451.00	
10/4/2003	10:00:11	11.3	59.72	5.007	0.003	30.08	0.08	361.00	
10/4/2003	10:00:11	11.9	59.72	5.007	0.003	30.08	0.08	361.00	
10/4/2003	10:00:12	12.6	59.72	5.007	0.003	30.10	0.10	301.00	
10/4/2003	10:00:13	13.4	59.72	5.007	0.003	30.12	0.12	258.14	
10/4/2003	10:00:14	14.2	59.7	5.008	0.002	30.13	0.13	226.00	
10/4/2003	10:00:15	15	59.7	5.008	0.002	30.15	0.15	201.00	
10/4/2003	10:00:15	15.9	59.7	5.008	0.002	30.15	0.15	201.00	
10/4/2003	10:00:16	16.8	59.7	5.006	0.004	30.17	0.17	181.00	
10/4/2003	10:00:17	17.8	59.7	5.008	0.002	30.18	0.18	164.64	
10/4/2003	10:00:18	18.9	59.7	5.008	0.002	30.20	0.20	151.00	
10/4/2003	10:00:20	20	59.7	5.008	0.002	30.23	0.23	129.57	
10/4/2003	10:00:21	21.2	59.7	5.008	0.002	30.25	0.25	121.00	
10/4/2003	10:00:22	22.4	59.7	5.008	0.002	30.27	0.27	113.50	
10/4/2003	10:00:23	23.8	59.67	5.006	0.004	30.28	0.28	106.88	
10/4/2003	10:00:25	25.2	59.7	5.008	0.002	30.32	0.32	95.74	
10/4/2003	10:00:26	26.7	59.7	5.006	0.004	30.33	0.33	91.00	
10/4/2003	10:00:28	28.2	59.7	5.008	0.002	30.37	0.37	82.82	
10/4/2003	10:00:29	29.8	59.67	5.006	0.004	30.38	0.38	79.26	
10/4/2003	10:00:31	31.5	59.67	5.008	0.002	30.42	0.42	73.00	
10/4/2003	10:00:33	33.3	59.67	5.008	0.002	30.45	0.45	67.67	
10/4/2003	10:00:35	35.2	59.67	5.008	0.002	30.48	0.48	63.07	
10/4/2003	10:00:37	37.3	59.67	5.008	0.002	30.52	0.52	59.06	
10/4/2003	10:00:39	39.5	59.67	5.008	0.002	30.55	0.55	55.55	
10/4/2003	10:00:41	41.8	59.65	5.008	0.002	30.58	0.58	52.43	
10/4/2003	10:00:44	44.3	59.65	5.008	0.002	30.63	0.63	48.37	
10/4/2003	10:00:46	46.9	59.65	5.008	0.002	30.67	0.67	46.00	
10/4/2003	10:00:49	49.7	59.65	5.008	0.002	30.72	0.72	42.86	
10/4/2003	10:00:52	52.6	59.65	5.008	0.002	30.77	0.77	40.13	
10/4/2003	10:00:55	55.7	59.63	5.008	0.002	30.82	0.82	37.73	

Well No. **P-8**

Date	Time	Test Time Elapsed Sec	Temp- erature oF	Depth Below SWL Ft	Draw- down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/4/2003	10:00:59	59	59.63	5.008	0.002	30.88	0.88	34.96	
10/4/2003	10:01:02	62.5	59.63	5.006	0.004	30.93	0.93	33.14	
10/4/2003	10:01:06	66.2	59.63	5.008	0.002	31.00	1.00	31.00	
10/4/2003	10:01:10	70.1	59.61	5.009	0.001	31.07	1.07	29.13	
10/4/2003	10:01:14	74.3	59.61	5.009	0.001	31.13	1.13	27.47	
10/4/2003	10:01:18	78.7	59.61	5.009	0.001	31.20	1.20	26.00	
10/4/2003	10:01:23	83.4	59.58	5.007	0.003	31.28	1.28	24.38	
10/4/2003	10:01:28	88.4	59.58	5.007	0.003	31.37	1.37	22.95	
10/4/2003	10:01:33	93.7	59.58	5.007	0.003	31.45	1.45	21.69	
10/4/2003	10:01:39	99.3	59.56	5.009	0.001	31.55	1.55	20.35	
10/4/2003	10:01:45	105.2	59.56	5.009	0.001	31.65	1.65	19.18	
10/4/2003	10:01:51	111.5	59.56	5.009	0.001	31.75	1.75	18.14	
10/4/2003	10:01:58	118.1	59.54	5.009	0.001	31.87	1.87	17.07	
10/4/2003	10:02:05	125.1	59.54	5.009	0.001	31.98	1.98	16.13	
10/4/2003	10:02:12	132.6	59.52	5.009	0.001	32.10	2.10	15.29	
10/4/2003	10:02:20	140.5	59.52	5.007	0.003	32.23	2.23	14.43	
10/4/2003	10:02:28	148.9	59.52	5.009	0.001	32.37	2.37	13.68	
10/4/2003	10:02:37	157.8	59.49	5.01	0.000	32.52	2.52	12.92	
10/4/2003	10:02:47	167.2	59.49	5.01	0.000	32.68	2.68	12.18	
10/4/2003	10:02:57	177.2	59.49	5.01	0.000	32.85	2.85	11.53	
10/4/2003	10:03:07	187.8	59.49	5.01	0.000	33.02	3.02	10.94	
10/4/2003	10:03:19	199	59.47	5.01	0.000	33.22	3.22	10.33	
10/4/2003	10:03:30	210.9	59.47	5.008	0.002	33.40	3.40	9.82	
10/4/2003	10:03:43	223.5	59.47	5.01	0.000	33.62	3.62	9.29	
10/4/2003	10:03:56	236.8	59.45	5.01	0.000	33.83	3.83	8.83	
10/4/2003	10:04:10	250.9	59.45	5.01	0.000	34.07	4.07	8.38	
10/4/2003	10:04:25	265.8	59.45	5.01	0.000	34.32	4.32	7.95	
10/4/2003	10:04:41	281.6	59.45	5.01	0.000	34.58	4.58	7.55	
10/4/2003	10:04:58	298.4	59.43	5.01	0.000	34.87	4.87	7.16	
10/4/2003	10:05:16	316.2	59.43	5.01	0.000	35.17	5.17	6.81	
10/4/2003	10:05:35	335	59.43	5.01	0.000	35.48	5.48	6.47	
10/4/2003	10:05:54	354.9	59.45	5.01	0.000	35.80	5.80	6.17	
10/4/2003	10:06:16	376	59.47	5.012	-0.002	36.17	6.17	5.86	
10/4/2003	10:06:38	398.4	59.52	5.013	-0.003	36.53	6.53	5.59	
10/4/2003	10:07:02	422.1	59.54	5.011	-0.001	36.93	6.93	5.33	
10/4/2003	10:20:02								DTW = 7.64 at 10:20

Pump and Recovery Tests - Summary
Peterson/Puritan OU2
October 2003

Well No. **SEA-601**

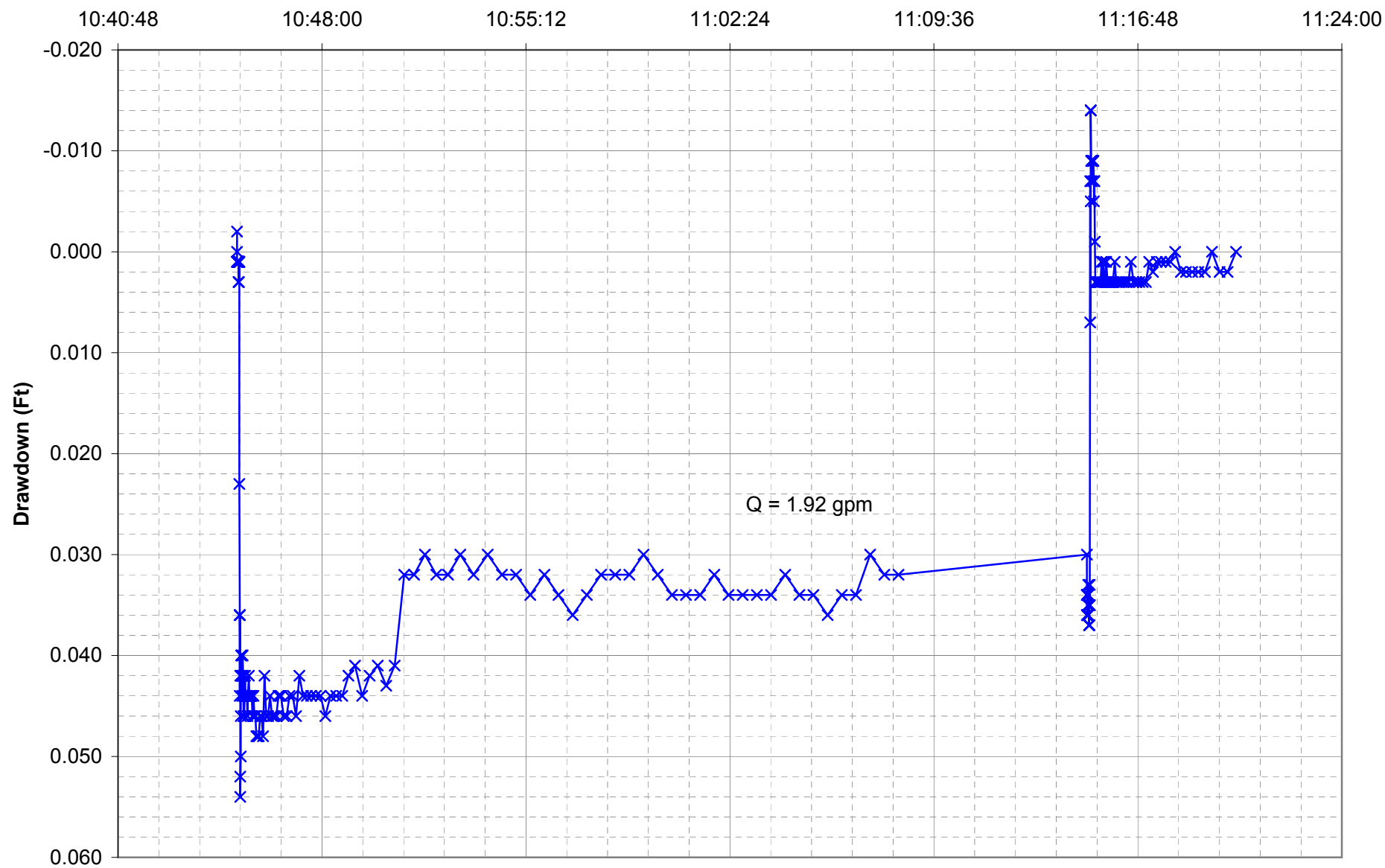
Equipment: In-Situ Inc. MiniTroll Pro
Test start date and time 10/6/2003 10:45:00
Test end date and time 10/6/2003 11:20:16
Period of pumping 30 minutes

Static depth to water 8.66 feet below top of casing
Starting transducer depth 5.017 feet below static water level
Total well depth 23.5 feet below top of casing
Depth to top of screen 13.3 feet below top of casing
Height of interval tested [b] 10.0 feet

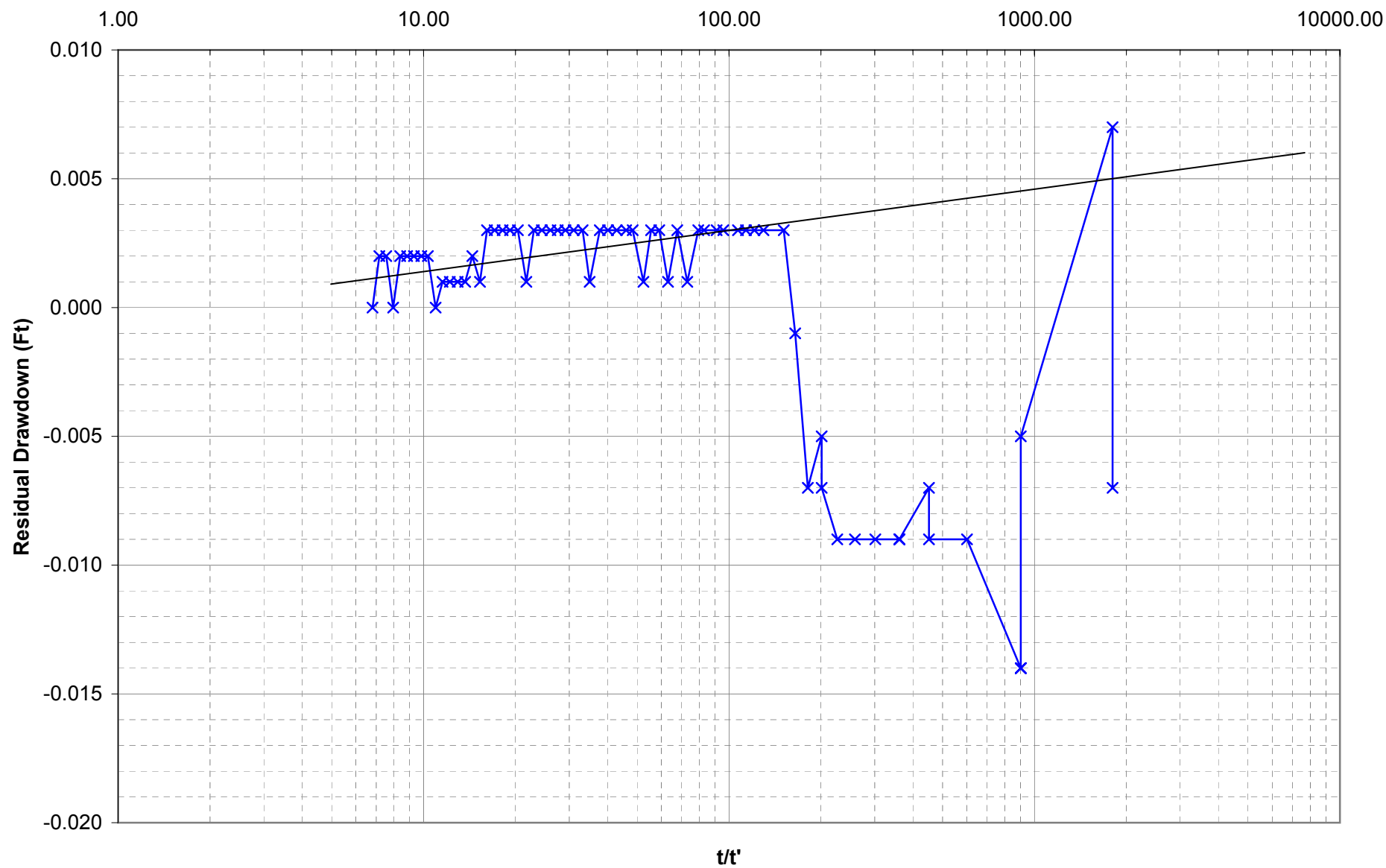
Average pumping rate [Q] 1.92 gpm, or 370 cfd
Average drawdown [s] 0.034 ft
Specific capacity [Q/s] 56.5 gpm/ft

Residual drawdown over one log cycle [Δs] 0.0015 feet
Transmissivity [$T = (2.3Q)/(4\pi\Delta s)$] 45,095 cfd/ft
Hydraulic conductivity [$K = T/b$] 4,510 fpd, or 1.6E+00 cm/sec

Drawdown Over Time - SEA-601



Recovery Plot - SEA-601



Pump and Recovery Tests - Data
Peterson/Puritan OU2
October 2003

Well No. **SEA-601**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/6/2003	10:05:00								DTW = 8.66 at 10:05
10/6/2003	10:20:00								DTW = 8.67 at 10:20
10/6/2003	10:45:00	0	53.92	5.019	-0.002				Start Test 1
10/6/2003	10:45:00	0.3	53.94	5.017	0.000				
10/6/2003	10:45:00	0.6	53.97	5.016	0.001				
10/6/2003	10:45:00	0.9	53.97	5.016	0.001				
10/6/2003	10:45:01	1.2	53.97	5.016	0.001				
10/6/2003	10:45:01	1.5	53.99	5.016	0.001				
10/6/2003	10:45:01	1.8	53.99	5.016	0.001				
10/6/2003	10:45:02	2.1	53.99	5.016	0.001				
10/6/2003	10:45:02	2.4	53.99	5.016	0.001				
10/6/2003	10:45:02	2.7	53.99	5.016	0.001				
10/6/2003	10:45:03	3	53.99	5.016	0.001				
10/6/2003	10:45:03	3.3	53.99	5.014	0.003				
10/6/2003	10:45:03	3.6	54.01	5.016	0.001				
10/6/2003	10:45:03	3.9	54.01	5.016	0.001				
10/6/2003	10:45:04	4.2	54.01	5.016	0.001				
10/6/2003	10:45:04	4.5	54.01	5.014	0.003				
10/6/2003	10:45:04	4.8	54.01	5.016	0.001				
10/6/2003	10:45:05	5.1	54.01	5.016	0.001				
10/6/2003	10:45:05	5.4	54.01	5.016	0.001	0.00			Pump Start
10/6/2003	10:45:05	5.7	54.01	4.994	0.023	0.00			
10/6/2003	10:45:06	6	54.01	4.981	0.036	0.02			
10/6/2003	10:45:06	6.4	54.01	4.973	0.044	0.02			
10/6/2003	10:45:06	6.7	54.01	4.981	0.036	0.02			
10/6/2003	10:45:07	7.1	54.01	4.975	0.042	0.03			
10/6/2003	10:45:07	7.5	54.01	4.965	0.052	0.03			
10/6/2003	10:45:07	8	54.01	4.963	0.054	0.03			
10/6/2003	10:45:08	8.4	54.01	4.967	0.050	0.05			
10/6/2003	10:45:08	8.9	54.01	4.971	0.046	0.05			
10/6/2003	10:45:09	9.5	54.01	4.977	0.040	0.07			
10/6/2003	10:45:10	10	54.01	4.977	0.040	0.08			
10/6/2003	10:45:10	10.6	54.01	4.975	0.042	0.08			
10/6/2003	10:45:11	11.3	53.99	4.975	0.042	0.10			
10/6/2003	10:45:11	11.9	53.99	4.973	0.044	0.10			
10/6/2003	10:45:12	12.6	53.99	4.977	0.040	0.12			
10/6/2003	10:45:13	13.4	53.99	4.975	0.042	0.13			
10/6/2003	10:45:14	14.2	53.99	4.971	0.046	0.15			
10/6/2003	10:45:15	15	53.99	4.973	0.044	0.17			
10/6/2003	10:45:15	15.9	53.99	4.971	0.046	0.17			
10/6/2003	10:45:16	16.8	53.99	4.973	0.044	0.18			
10/6/2003	10:45:17	17.8	53.99	4.975	0.042	0.20			
10/6/2003	10:45:18	18.9	53.99	4.973	0.044	0.22			
10/6/2003	10:45:20	20	53.99	4.973	0.044	0.25			
10/6/2003	10:45:21	21.2	53.99	4.973	0.044	0.27			
10/6/2003	10:45:22	22.4	53.99	4.971	0.046	0.28			
10/6/2003	10:45:23	23.8	53.99	4.973	0.044	0.30			
10/6/2003	10:45:25	25.2	53.97	4.975	0.042	0.33			
10/6/2003	10:45:26	26.7	53.99	4.973	0.044	0.35			
10/6/2003	10:45:28	28.2	53.99	4.973	0.044	0.38			
10/6/2003	10:45:29	29.8	53.97	4.973	0.044	0.40			
10/6/2003	10:45:31	31.5	53.99	4.973	0.044	0.43			
10/6/2003	10:45:33	33.3	53.97	4.971	0.046	0.47			
10/6/2003	10:45:35	35.2	53.99	4.973	0.044	0.50			
10/6/2003	10:45:37	37.3	53.97	4.971	0.046	0.53			
10/6/2003	10:45:39	39.5	53.97	4.971	0.046	0.57			
10/6/2003	10:45:41	41.8	53.97	4.969	0.048	0.60			
10/6/2003	10:45:44	44.3	53.97	4.969	0.048	0.65			
10/6/2003	10:45:46	46.9	53.97	4.969	0.048	0.68			
10/6/2003	10:45:49	49.7	53.97	4.971	0.046	0.73			
10/6/2003	10:45:52	52.6	53.97	4.971	0.046	0.78			
10/6/2003	10:45:55	55.7	53.97	4.969	0.048	0.83			
10/6/2003	10:45:58	59	53.97	4.975	0.042	0.88			
10/6/2003	10:46:02	62.5	53.97	4.971	0.046	0.95			
10/6/2003	10:46:06	66.2	53.97	4.971	0.046	1.02			

Well No. **SEA-601**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/6/2003	10:46:10	70.1	53.97	4.973	0.044	1.08			
10/6/2003	10:46:14	74.3	53.97	4.971	0.046	1.15			
10/6/2003	10:46:18	78.7	53.97	4.971	0.046	1.22			
10/6/2003	10:46:23	83.4	53.97	4.971	0.046	1.30			
10/6/2003	10:46:28	88.4	53.97	4.973	0.044	1.38			
10/6/2003	10:46:33	93.7	53.97	4.973	0.044	1.47			
10/6/2003	10:46:39	99.3	53.94	4.971	0.046	1.57			
10/6/2003	10:46:45	105.2	53.94	4.971	0.046	1.67			
10/6/2003	10:46:51	111.5	53.94	4.973	0.044	1.77			
10/6/2003	10:46:58	118.1	53.94	4.973	0.044	1.88			
10/6/2003	10:47:05	125.1	53.94	4.971	0.046	2.00			
10/6/2003	10:47:12	132.6	53.94	4.975	0.042	2.12			
10/6/2003	10:47:20	140.5	53.94	4.973	0.044	2.25			
10/6/2003	10:47:28	148.9	53.94	4.973	0.044	2.38			
10/6/2003	10:47:37	157.8	53.94	4.973	0.044	2.53			
10/6/2003	10:47:47	167.2	53.94	4.973	0.044	2.70			
10/6/2003	10:47:57	177.2	53.94	4.973	0.044	2.87			
10/6/2003	10:48:07	187.8	53.94	4.971	0.046	3.03			
10/6/2003	10:48:18	199	53.94	4.973	0.044	3.22			
10/6/2003	10:48:30	210.9	53.94	4.973	0.044	3.42			
10/6/2003	10:48:43	223.5	53.94	4.973	0.044	3.63			
10/6/2003	10:48:56	236.8	53.94	4.975	0.042	3.85			
10/6/2003	10:49:10	250.9	53.92	4.976	0.041	4.08			
10/6/2003	10:49:25	265.8	53.94	4.973	0.044	4.33			
10/6/2003	10:49:41	281.6	53.94	4.975	0.042	4.60			
10/6/2003	10:49:58	298.4	53.92	4.976	0.041	4.88			
10/6/2003	10:50:16	316.2	53.92	4.974	0.043	5.18			
10/6/2003	10:50:34	335	53.92	4.976	0.041	5.48			
10/6/2003	10:50:54	354.9	53.92	4.985	0.032	5.82			
10/6/2003	10:51:15	376	53.92	4.985	0.032	6.17			
10/6/2003	10:51:38	398.4	53.94	4.987	0.030	6.55			
10/6/2003	10:52:02	422.1	53.94	4.985	0.032	6.95			
10/6/2003	10:52:27	447.2	53.92	4.985	0.032	7.37			
10/6/2003	10:52:53	473.8	53.92	4.987	0.030	7.80			
10/6/2003	10:53:21	502	53.94	4.985	0.032	8.27			
10/6/2003	10:53:51	531.9	53.94	4.987	0.030	8.77			
10/6/2003	10:54:21	561.9	53.92	4.985	0.032	9.27			
10/6/2003	10:54:51	591.9	53.94	4.985	0.032	9.77			
10/6/2003	10:55:21	621.9	53.92	4.983	0.034	10.27			
10/6/2003	10:55:51	651.9	53.94	4.985	0.032	10.77			
10/6/2003	10:56:21	681.9	53.94	4.983	0.034	11.27			1.88 gpm flow rate
10/6/2003	10:56:51	711.9	53.94	4.981	0.036	11.77			
10/6/2003	10:57:21	741.9	53.94	4.983	0.034	12.27			
10/6/2003	10:57:51	771.9	53.94	4.985	0.032	12.77			
10/6/2003	10:58:21	801.9	53.94	4.985	0.032	13.27			
10/6/2003	10:58:51	831.9	53.94	4.985	0.032	13.77			
10/6/2003	10:59:21	861.9	53.94	4.987	0.030	14.27			
10/6/2003	10:59:51	891.9	53.94	4.985	0.032	14.77			
10/6/2003	11:00:21	921.9	53.94	4.983	0.034	15.27			1.92 gpm flow rate
10/6/2003	11:00:51	951.9	53.94	4.983	0.034	15.77			
10/6/2003	11:01:21	981.9	53.94	4.983	0.034	16.27			
10/6/2003	11:01:51	1011.9	53.94	4.985	0.032	16.77			
10/6/2003	11:02:21	1041.9	53.94	4.983	0.034	17.27			
10/6/2003	11:02:51	1071.9	53.94	4.983	0.034	17.77			
10/6/2003	11:03:21	1101.9	53.94	4.983	0.034	18.27			
10/6/2003	11:03:51	1131.9	53.94	4.983	0.034	18.77			
10/6/2003	11:04:21	1161.9	53.94	4.985	0.032	19.27			
10/6/2003	11:04:51	1191.9	53.94	4.983	0.034	19.77			
10/6/2003	11:05:21	1221.9	53.94	4.983	0.034	20.27			1.95 gpm flow rate
10/6/2003	11:05:51	1251.9	53.94	4.981	0.036	20.77			
10/6/2003	11:06:21	1281.9	53.94	4.983	0.034	21.27			
10/6/2003	11:06:51	1311.9	53.94	4.983	0.034	21.77			
10/6/2003	11:07:21	1341.9	53.94	4.987	0.030	22.27			
10/6/2003	11:07:51	1371.9	53.94	4.985	0.032	22.77			
10/6/2003	11:08:21	1401.9	53.94	4.985	0.032	23.27			
10/6/2003	11:15:00	0	53.94	4.987	0.030	29.92			Start Test 2
10/6/2003	11:15:00	0.3	53.97	4.983	0.034	29.92			
10/6/2003	11:15:00	0.6	53.97	4.983	0.034	29.92			
10/6/2003	11:15:00	0.9	53.99	4.981	0.036	29.92			

Well No. **SEA-601**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/6/2003	11:15:01	1.2	53.99	4.981	0.036	29.93			
10/6/2003	11:15:01	1.5	54.01	4.981	0.036	29.93			
10/6/2003	11:15:01	1.8	54.01	4.983	0.034	29.93			
10/6/2003	11:15:02	2.1	54.01	4.983	0.034	29.95			
10/6/2003	11:15:02	2.4	54.01	4.983	0.034	29.95			
10/6/2003	11:15:02	2.7	54.01	4.983	0.034	29.95			
10/6/2003	11:15:03	3	54.01	4.983	0.034	29.97			
10/6/2003	11:15:03	3.3	54.01	4.981	0.036	29.97			
10/6/2003	11:15:03	3.6	54.03	4.984	0.033	29.97			
10/6/2003	11:15:03	3.9	54.03	4.982	0.035	29.97			
10/6/2003	11:15:04	4.2	54.03	4.982	0.035	29.98			
10/6/2003	11:15:04	4.5	54.03	4.982	0.035	29.98			
10/6/2003	11:15:04	4.8	54.03	4.982	0.035	29.98			
10/6/2003	11:15:05	5.1	54.03	4.98	0.037	30.00			
10/6/2003	11:15:05	5.4	54.03	4.98	0.037	30.00			
10/6/2003	11:15:05	5.7	54.03	4.98	0.037	30.00			
10/6/2003	11:15:06	6	54.03	4.984	0.033	30.02			
10/6/2003	11:15:06	6.4	54.03	4.982	0.035	30.02			
10/6/2003	11:15:06	6.7	54.03	4.982	0.035	30.02	0.00		Pump Stop
10/6/2003	11:15:07	7.1	54.03	5.024	-0.007	30.03	0.02	1802.00	
10/6/2003	11:15:07	7.5	54.03	5.01	0.007	30.03	0.02	1802.00	
10/6/2003	11:15:08	8	54.03	5.022	-0.005	30.05	0.03	901.50	
10/6/2003	11:15:08	8.4	54.03	5.031	-0.014	30.05	0.03	901.50	
10/6/2003	11:15:08	8.9	54.03	5.031	-0.014	30.05	0.03	901.50	
10/6/2003	11:15:09	9.5	54.03	5.026	-0.009	30.07	0.05	601.33	
10/6/2003	11:15:10	10	54.03	5.026	-0.009	30.08	0.07	451.25	
10/6/2003	11:15:10	10.6	54.03	5.024	-0.007	30.08	0.07	451.25	
10/6/2003	11:15:11	11.3	54.01	5.026	-0.009	30.10	0.08	361.20	
10/6/2003	11:15:11	11.9	54.01	5.026	-0.009	30.10	0.08	361.20	
10/6/2003	11:15:12	12.6	54.01	5.026	-0.009	30.12	0.10	301.17	
10/6/2003	11:15:13	13.4	54.01	5.026	-0.009	30.13	0.12	258.29	
10/6/2003	11:15:14	14.2	54.01	5.026	-0.009	30.15	0.13	226.13	
10/6/2003	11:15:15	15	54.01	5.024	-0.007	30.17	0.15	201.11	
10/6/2003	11:15:15	15.9	54.01	5.022	-0.005	30.17	0.15	201.11	
10/6/2003	11:15:16	16.8	54.01	5.024	-0.007	30.18	0.17	181.10	
10/6/2003	11:15:17	17.8	54.01	5.018	-0.001	30.20	0.18	164.73	
10/6/2003	11:15:18	18.9	54.01	5.014	0.003	30.22	0.20	151.08	
10/6/2003	11:15:20	20	54.01	5.014	0.003	30.25	0.23	129.64	
10/6/2003	11:15:21	21.2	53.99	5.014	0.003	30.27	0.25	121.07	
10/6/2003	11:15:22	22.4	54.01	5.014	0.003	30.28	0.27	113.56	
10/6/2003	11:15:23	23.8	54.01	5.014	0.003	30.30	0.28	106.94	
10/6/2003	11:15:25	25.2	53.99	5.014	0.003	30.33	0.32	95.79	
10/6/2003	11:15:26	26.7	53.99	5.014	0.003	30.35	0.33	91.05	
10/6/2003	11:15:28	28.2	53.99	5.014	0.003	30.38	0.37	82.86	
10/6/2003	11:15:29	29.8	53.99	5.014	0.003	30.40	0.38	79.30	
10/6/2003	11:15:31	31.5	53.99	5.016	0.001	30.43	0.42	73.04	
10/6/2003	11:15:33	33.3	53.99	5.014	0.003	30.47	0.45	67.70	
10/6/2003	11:15:35	35.2	53.99	5.016	0.001	30.50	0.48	63.10	
10/6/2003	11:15:37	37.3	53.99	5.014	0.003	30.53	0.52	59.10	
10/6/2003	11:15:39	39.5	53.99	5.014	0.003	30.57	0.55	55.58	
10/6/2003	11:15:41	41.8	53.99	5.016	0.001	30.60	0.58	52.46	
10/6/2003	11:15:44	44.3	53.99	5.014	0.003	30.65	0.63	48.39	
10/6/2003	11:15:46	46.9	53.99	5.014	0.003	30.68	0.67	46.03	
10/6/2003	11:15:49	49.7	53.99	5.014	0.003	30.73	0.72	42.88	
10/6/2003	11:15:52	52.6	53.99	5.014	0.003	30.78	0.77	40.15	
10/6/2003	11:15:55	55.7	53.99	5.014	0.003	30.83	0.82	37.76	
10/6/2003	11:15:59	59	53.97	5.016	0.001	30.90	0.88	34.98	
10/6/2003	11:16:02	62.5	53.99	5.014	0.003	30.95	0.93	33.16	
10/6/2003	11:16:06	66.2	53.99	5.014	0.003	31.02	1.00	31.02	
10/6/2003	11:16:10	70.1	53.97	5.014	0.003	31.08	1.07	29.14	
10/6/2003	11:16:14	74.3	53.97	5.014	0.003	31.15	1.13	27.49	
10/6/2003	11:16:18	78.7	53.97	5.014	0.003	31.22	1.20	26.01	
10/6/2003	11:16:23	83.4	53.97	5.014	0.003	31.30	1.28	24.39	
10/6/2003	11:16:28	88.4	53.97	5.014	0.003	31.38	1.37	22.96	
10/6/2003	11:16:33	93.7	53.97	5.016	0.001	31.47	1.45	21.70	
10/6/2003	11:16:39	99.3	53.97	5.014	0.003	31.57	1.55	20.37	
10/6/2003	11:16:45	105.2	53.97	5.014	0.003	31.67	1.65	19.19	
10/6/2003	11:16:51	111.5	53.97	5.014	0.003	31.77	1.75	18.15	
10/6/2003	11:16:58	118.1	53.97	5.014	0.003	31.88	1.87	17.08	

Well No. **SEA-601**

Date	Time	Test Time Elapsed Sec	Temp- erature oF	Depth Below SWL Ft	Draw- down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/6/2003	11:17:05	125.1	53.97	5.014	0.003	32.00	1.98	16.13	
10/6/2003	11:17:12	132.6	53.97	5.016	0.001	32.12	2.10	15.29	
10/6/2003	11:17:20	140.5	53.94	5.015	0.002	32.25	2.23	14.44	
10/6/2003	11:17:28	148.9	53.97	5.016	0.001	32.38	2.37	13.68	
10/6/2003	11:17:37	157.8	53.97	5.016	0.001	32.53	2.52	12.93	
10/6/2003	11:17:47	167.2	53.97	5.016	0.001	32.70	2.68	12.19	
10/6/2003	11:17:57	177.2	53.97	5.016	0.001	32.87	2.85	11.53	
10/6/2003	11:18:07	187.8	53.94	5.017	0.000	33.03	3.02	10.95	
10/6/2003	11:18:19	199	53.94	5.015	0.002	33.23	3.22	10.33	
10/6/2003	11:18:30	210.9	53.94	5.015	0.002	33.42	3.40	9.83	
10/6/2003	11:18:43	223.5	53.94	5.015	0.002	33.63	3.62	9.30	
10/6/2003	11:18:56	236.8	53.94	5.015	0.002	33.85	3.83	8.83	
10/6/2003	11:19:10	250.9	53.94	5.015	0.002	34.08	4.07	8.38	
10/6/2003	11:19:25	265.8	53.94	5.017	0.000	34.33	4.32	7.95	
10/6/2003	11:19:41	281.6	53.94	5.015	0.002	34.60	4.58	7.55	
10/6/2003	11:19:58	298.4	53.94	5.015	0.002	34.88	4.87	7.17	
10/6/2003	11:20:16	316.2	53.94	5.017	0.000	35.18	5.17	6.81	

Pump and Recovery Tests - Summary
Peterson/Puritan OU2
October 2003

Well No. **SEA-602A**

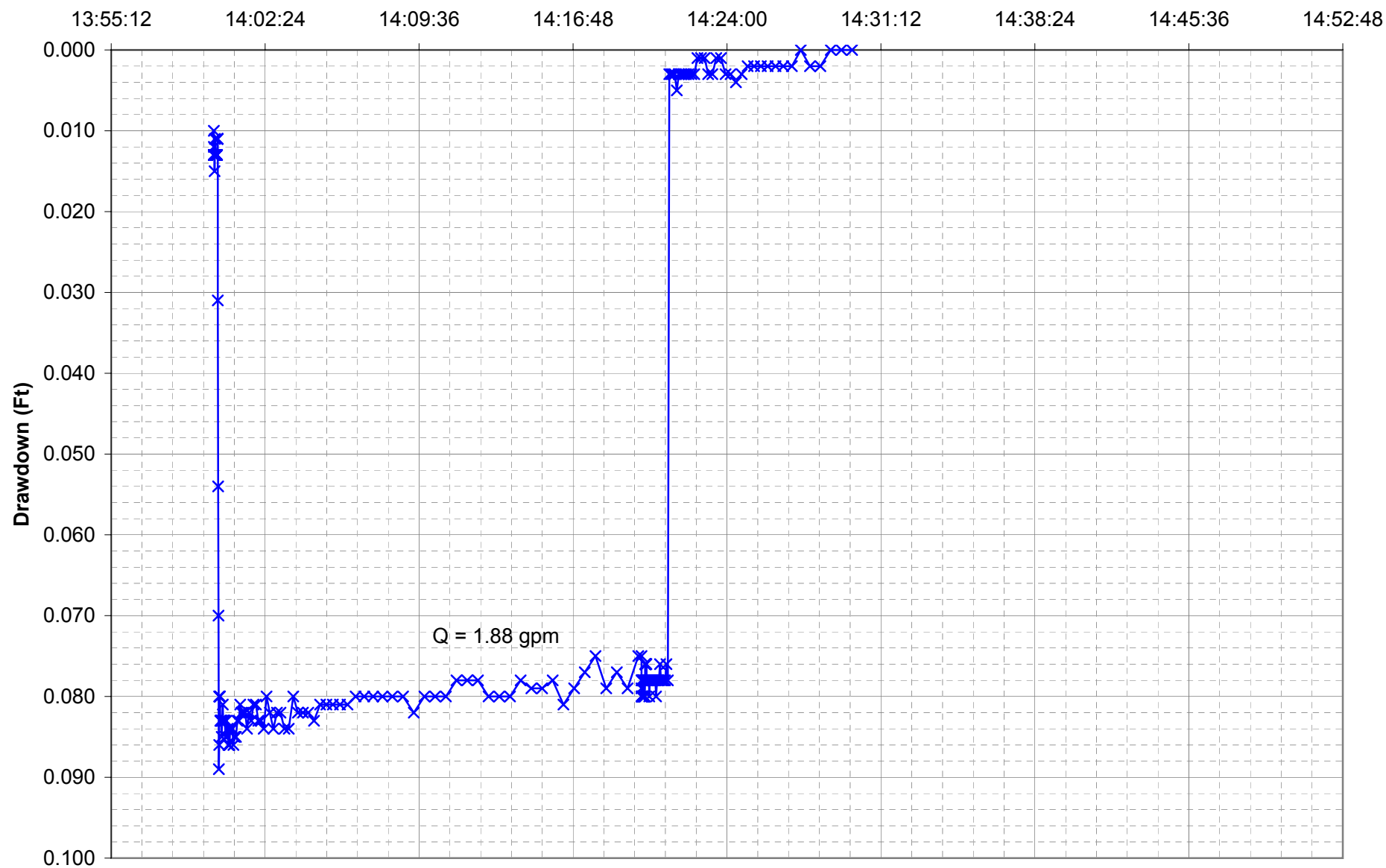
Equipment: In-Situ Inc. MiniTroll Pro
Test start date and time 10/7/2003 14:00:00
Test end date and time 10/7/2003 14:29:51
Period of pumping 21 minutes

Static depth to water 7.71 feet below top of casing
Starting transducer depth 5.851 feet below static water level
Total well depth 23.2 feet below top of casing
Depth to top of screen 13.0 feet below top of casing
Height of interval tested [b] 10.0 feet

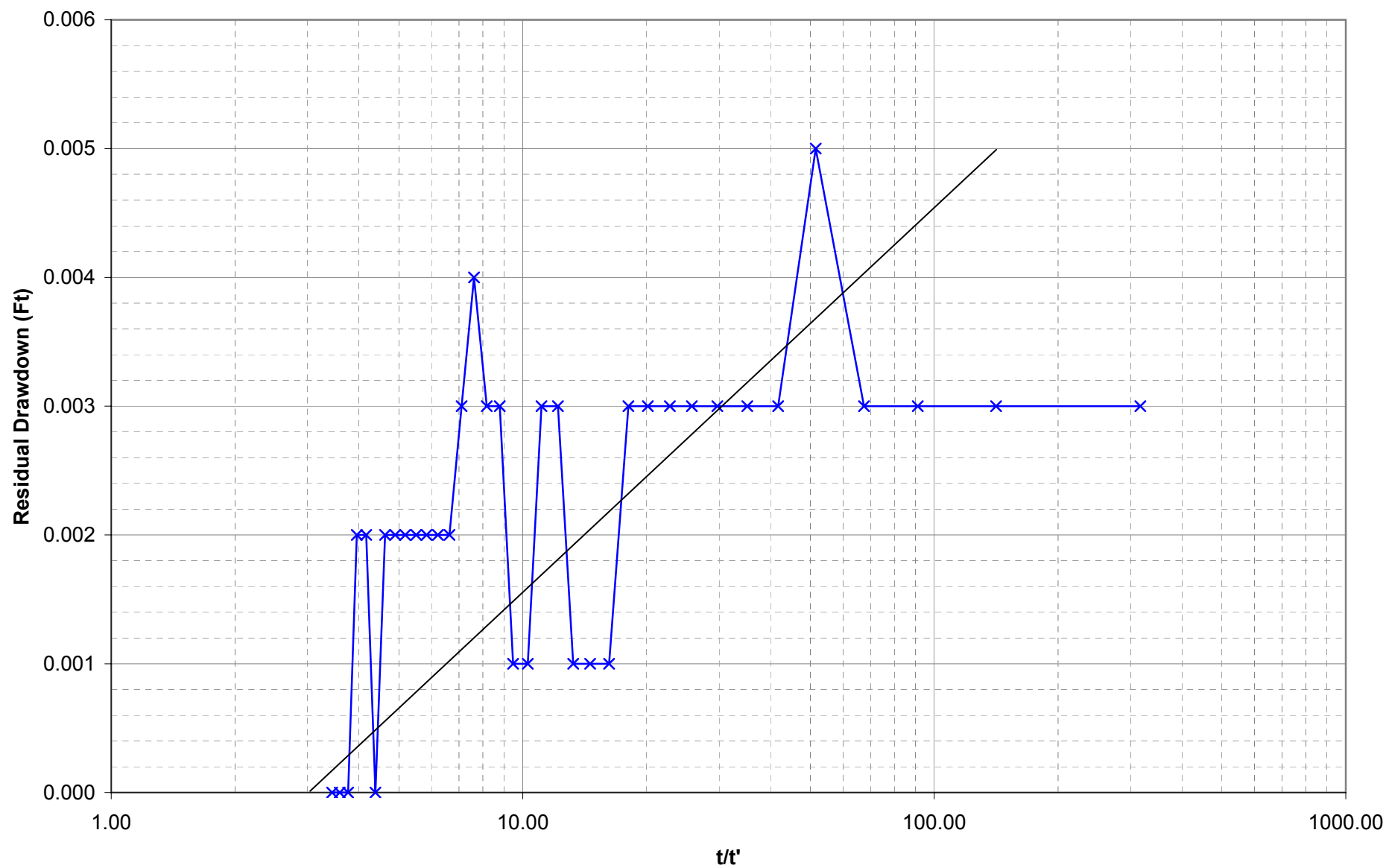
Average pumping rate [Q] 1.88 gpm, or 362 cfd
Average drawdown [s] 0.08 ft
Specific capacity [Q/s] 23.5 gpm/ft

Residual drawdown over one log cycle [Δs] 0.0030 feet
Transmissivity [$T = (2.3Q)/(4\pi\Delta s)$] 22077.9 cfd/ft
Hydraulic conductivity [$K = T/b$] 2207.8 fpd, or 7.8E-01 cm/sec

Drawdown Over Time - SEA-602A



Recovery Plot - SEA-602A



Pump and Recovery Tests - Data
Peterson/Puritan OU2
October 2003

Well No. **SEA-602A**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	13:35:00								DTW = 7.71 at 13:35
10/7/2003	14:00:00	0	58.11	5.841	0.010				Start Test 1
10/7/2003	14:00:00	0.3	58.13	5.839	0.012				
10/7/2003	14:00:00	0.6	58.16	5.838	0.013				
10/7/2003	14:00:00	0.9	58.16	5.838	0.013				
10/7/2003	14:00:01	1.2	58.18	5.838	0.013				
10/7/2003	14:00:01	1.5	58.18	5.838	0.013				
10/7/2003	14:00:01	1.8	58.18	5.838	0.013				
10/7/2003	14:00:02	2.1	58.18	5.838	0.013				
10/7/2003	14:00:02	2.4	58.18	5.836	0.015				
10/7/2003	14:00:02	2.7	58.18	5.838	0.013				
10/7/2003	14:00:03	3	58.18	5.84	0.011				
10/7/2003	14:00:03	3.3	58.18	5.838	0.013				
10/7/2003	14:00:03	3.6	58.18	5.838	0.013				
10/7/2003	14:00:03	3.9	58.2	5.838	0.013				
10/7/2003	14:00:04	4.2	58.2	5.838	0.013				
10/7/2003	14:00:04	4.5	58.2	5.838	0.013				
10/7/2003	14:00:04	4.8	58.2	5.838	0.013				
10/7/2003	14:00:05	5.1	58.2	5.838	0.013				
10/7/2003	14:00:05	5.4	58.2	5.838	0.013				
10/7/2003	14:00:05	5.7	58.2	5.838	0.013				
10/7/2003	14:00:06	6	58.2	5.838	0.013				
10/7/2003	14:00:06	6.4	58.2	5.838	0.013				
10/7/2003	14:00:06	6.7	58.2	5.838	0.013				
10/7/2003	14:00:07	7.1	58.2	5.838	0.013				
10/7/2003	14:00:07	7.5	58.2	5.838	0.013				
10/7/2003	14:00:07	8	58.2	5.838	0.013				
10/7/2003	14:00:08	8.4	58.2	5.838	0.013				
10/7/2003	14:00:08	8.9	58.2	5.838	0.013				
10/7/2003	14:00:09	9.5	58.2	5.838	0.013				
10/7/2003	14:00:10	10	58.2	5.84	0.011				
10/7/2003	14:00:10	10.6	58.18	5.84	0.011				
10/7/2003	14:00:11	11.3	58.18	5.84	0.011	0.00			Pump Start
10/7/2003	14:00:11	11.9	58.18	5.82	0.031	0.00			
10/7/2003	14:00:12	12.6	58.18	5.797	0.054	0.02			
10/7/2003	14:00:13	13.4	58.18	5.781	0.070	0.03			
10/7/2003	14:00:14	14.2	58.16	5.762	0.089	0.05			
10/7/2003	14:00:15	15	58.18	5.765	0.086	0.07			
10/7/2003	14:00:15	15.9	58.16	5.771	0.080	0.07			
10/7/2003	14:00:16	16.8	58.16	5.771	0.080	0.08			
10/7/2003	14:00:17	17.8	58.16	5.771	0.080	0.10			
10/7/2003	14:00:18	18.9	58.16	5.768	0.083	0.12			
10/7/2003	14:00:20	20	58.16	5.768	0.083	0.15			
10/7/2003	14:00:21	21.2	58.16	5.768	0.083	0.17			
10/7/2003	14:00:22	22.4	58.16	5.766	0.085	0.18			
10/7/2003	14:00:23	23.8	58.16	5.768	0.083	0.20			
10/7/2003	14:00:25	25.2	58.16	5.77	0.081	0.23			
10/7/2003	14:00:26	26.7	58.16	5.768	0.083	0.25			Pump Start
10/7/2003	14:00:28	28.2	58.16	5.768	0.083	0.28			
10/7/2003	14:00:29	29.8	58.16	5.768	0.083	0.30			
10/7/2003	14:00:31	31.5	58.16	5.768	0.083	0.33			
10/7/2003	14:00:33	33.3	58.16	5.766	0.085	0.37			
10/7/2003	14:00:35	35.2	58.16	5.768	0.083	0.40			
10/7/2003	14:00:37	37.3	58.16	5.766	0.085	0.43			
10/7/2003	14:00:39	39.5	58.18	5.767	0.084	0.47			
10/7/2003	14:00:41	41.8	58.18	5.765	0.086	0.50			
10/7/2003	14:00:44	44.3	58.18	5.765	0.086	0.55			
10/7/2003	14:00:46	46.9	58.2	5.767	0.084	0.58			
10/7/2003	14:00:49	49.7	58.2	5.767	0.084	0.63			
10/7/2003	14:00:52	52.6	58.23	5.767	0.084	0.68			
10/7/2003	14:00:55	55.7	58.25	5.765	0.086	0.73			
10/7/2003	14:00:58	59	58.27	5.766	0.085	0.78			
10/7/2003	14:01:02	62.5	58.29	5.766	0.085	0.85			
10/7/2003	14:01:06	66.2	58.29	5.768	0.083	0.92			
10/7/2003	14:01:10	70.1	58.32	5.768	0.083	0.98			

Well No. **SEA-602A**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	14:01:14	74.3	58.34	5.77	0.081	1.05			
10/7/2003	14:01:18	78.7	58.36	5.769	0.082	1.12			
10/7/2003	14:01:23	83.4	58.38	5.769	0.082	1.20			
10/7/2003	14:01:28	88.4	58.41	5.769	0.082	1.28			
10/7/2003	14:01:33	93.7	58.43	5.767	0.084	1.37			
10/7/2003	14:01:39	99.3	58.45	5.769	0.082	1.47			
10/7/2003	14:01:45	105.2	58.47	5.768	0.083	1.57			
10/7/2003	14:01:51	111.5	58.5	5.77	0.081	1.67			
10/7/2003	14:01:58	118.1	58.52	5.77	0.081	1.78			
10/7/2003	14:02:05	125.1	58.54	5.768	0.083	1.90			
10/7/2003	14:02:12	132.6	58.54	5.768	0.083	2.02			
10/7/2003	14:02:20	140.5	58.56	5.767	0.084	2.15			
10/7/2003	14:02:28	148.9	58.56	5.771	0.080	2.28			
10/7/2003	14:02:37	157.8	58.59	5.769	0.082	2.43			
10/7/2003	14:02:47	167.2	58.59	5.767	0.084	2.60			
10/7/2003	14:02:57	177.2	58.61	5.769	0.082	2.77			
10/7/2003	14:03:07	187.8	58.59	5.769	0.082	2.93			
10/7/2003	14:03:18	199	58.61	5.767	0.084	3.12			
10/7/2003	14:03:30	210.9	58.61	5.767	0.084	3.32			
10/7/2003	14:03:43	223.5	58.59	5.771	0.080	3.53			
10/7/2003	14:03:56	236.8	58.59	5.769	0.082	3.75			
10/7/2003	14:04:10	250.9	58.56	5.769	0.082	3.98			1.82 gpm flow rate
10/7/2003	14:04:25	265.8	58.56	5.769	0.082	4.23			
10/7/2003	14:04:41	281.6	58.54	5.768	0.083	4.50			
10/7/2003	14:04:58	298.4	58.52	5.77	0.081	4.78			
10/7/2003	14:05:16	316.2	58.52	5.77	0.081	5.08			
10/7/2003	14:05:34	335	58.5	5.77	0.081	5.38			
10/7/2003	14:05:54	354.9	58.47	5.77	0.081	5.72			
10/7/2003	14:06:15	376	58.47	5.77	0.081	6.07			
10/7/2003	14:06:38	398.4	58.45	5.771	0.080	6.45			
10/7/2003	14:07:02	422.1	58.45	5.771	0.080	6.85			
10/7/2003	14:07:27	447.2	58.43	5.771	0.080	7.27			
10/7/2003	14:07:53	473.8	58.43	5.771	0.080	7.70			
10/7/2003	14:08:21	502	58.43	5.771	0.080	8.17			
10/7/2003	14:08:51	531.9	58.43	5.771	0.080	8.67			
10/7/2003	14:09:21	561.9	58.43	5.769	0.082	9.17			1.88 gpm flow rate
10/7/2003	14:09:51	591.9	58.43	5.771	0.080	9.67			
10/7/2003	14:10:21	621.9	58.43	5.771	0.080	10.17			
10/7/2003	14:10:51	651.9	58.43	5.771	0.080	10.67			
10/7/2003	14:11:21	681.9	58.43	5.773	0.078	11.17			1.94 gpm flow rate
10/7/2003	14:11:51	711.9	58.43	5.773	0.078	11.67			
10/7/2003	14:12:21	741.9	58.45	5.773	0.078	12.17			
10/7/2003	14:12:51	771.9	58.45	5.771	0.080	12.67			
10/7/2003	14:13:21	801.9	58.45	5.771	0.080	13.17			
10/7/2003	14:13:51	831.9	58.45	5.771	0.080	13.67			
10/7/2003	14:14:21	861.9	58.45	5.773	0.078	14.17			1.88 gpm flow rate
10/7/2003	14:14:51	891.9	58.47	5.772	0.079	14.67			
10/7/2003	14:15:21	921.9	58.47	5.772	0.079	15.17			
10/7/2003	14:15:51	951.9	58.45	5.773	0.078	15.67			
10/7/2003	14:16:21	981.9	58.47	5.77	0.081	16.17			
10/7/2003	14:16:51	1011.9	58.47	5.772	0.079	16.67			
10/7/2003	14:17:21	1041.9	58.47	5.774	0.077	17.17			
10/7/2003	14:17:51	1071.9	58.47	5.776	0.075	17.67			
10/7/2003	14:18:21	1101.9	58.5	5.772	0.079	18.17			
10/7/2003	14:18:51	1131.9	58.52	5.774	0.077	18.67			
10/7/2003	14:19:21	1161.9	58.5	5.772	0.079	19.17			
10/7/2003	14:19:51	1191.9	58.52	5.776	0.075	19.67			
10/7/2003	14:20:00	0	58.52	5.776	0.075	19.82			Start Test 2
10/7/2003	14:20:00	0.3	58.54	5.772	0.079	19.82			
10/7/2003	14:20:00	0.6	58.56	5.773	0.078	19.82			
10/7/2003	14:20:00	0.9	58.56	5.771	0.080	19.82			
10/7/2003	14:20:01	1.2	58.56	5.771	0.080	19.83			
10/7/2003	14:20:01	1.5	58.59	5.771	0.080	19.83			
10/7/2003	14:20:01	1.8	58.59	5.773	0.078	19.83			
10/7/2003	14:20:02	2.1	58.59	5.771	0.080	19.85			
10/7/2003	14:20:02	2.4	58.59	5.771	0.080	19.85			
10/7/2003	14:20:02	2.7	58.59	5.773	0.078	19.85			
10/7/2003	14:20:03	3	58.59	5.773	0.078	19.87			
10/7/2003	14:20:03	3.3	58.61	5.773	0.078	19.87			

Well No. **SEA-602A**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	14:20:03	3.6	58.61	5.771	0.080	19.87			
10/7/2003	14:20:03	3.9	58.61	5.773	0.078	19.87			
10/7/2003	14:20:04	4.2	58.61	5.773	0.078	19.88			
10/7/2003	14:20:04	4.5	58.61	5.771	0.080	19.88			
10/7/2003	14:20:04	4.8	58.61	5.773	0.078	19.88			
10/7/2003	14:20:05	5.1	58.61	5.771	0.080	19.90			
10/7/2003	14:20:05	5.4	58.61	5.771	0.080	19.90			
10/7/2003	14:20:05	5.7	58.61	5.771	0.080	19.90			
10/7/2003	14:20:06	6	58.61	5.773	0.078	19.92			
10/7/2003	14:20:06	6.4	58.61	5.773	0.078	19.92			
10/7/2003	14:20:06	6.7	58.61	5.773	0.078	19.92			
10/7/2003	14:20:07	7.1	58.61	5.771	0.080	19.93			
10/7/2003	14:20:07	7.5	58.61	5.771	0.080	19.93			
10/7/2003	14:20:08	8	58.61	5.771	0.080	19.95			
10/7/2003	14:20:08	8.4	58.63	5.771	0.080	19.95			
10/7/2003	14:20:08	8.9	58.61	5.771	0.080	19.95			
10/7/2003	14:20:09	9.5	58.63	5.771	0.080	19.97			
10/7/2003	14:20:10	10	58.61	5.773	0.078	19.98			
10/7/2003	14:20:10	10.6	58.61	5.775	0.076	19.98			
10/7/2003	14:20:11	11.3	58.59	5.775	0.076	20.00			
10/7/2003	14:20:11	11.9	58.59	5.775	0.076	20.00			
10/7/2003	14:20:12	12.6	58.59	5.773	0.078	20.02			
10/7/2003	14:20:13	13.4	58.59	5.775	0.076	20.03			
10/7/2003	14:20:14	14.2	58.59	5.775	0.076	20.05			
10/7/2003	14:20:15	15	58.59	5.773	0.078	20.07			
10/7/2003	14:20:15	15.9	58.59	5.773	0.078	20.07			
10/7/2003	14:20:16	16.8	58.59	5.773	0.078	20.08			
10/7/2003	14:20:17	17.8	58.59	5.773	0.078	20.10			
10/7/2003	14:20:18	18.9	58.59	5.773	0.078	20.12			
10/7/2003	14:20:20	20	58.59	5.773	0.078	20.15			
10/7/2003	14:20:21	21.2	58.59	5.773	0.078	20.17			
10/7/2003	14:20:22	22.4	58.59	5.771	0.080	20.18			
10/7/2003	14:20:23	23.8	58.59	5.773	0.078	20.20			
10/7/2003	14:20:25	25.2	58.59	5.773	0.078	20.23			
10/7/2003	14:20:26	26.7	58.59	5.773	0.078	20.25			
10/7/2003	14:20:28	28.2	58.59	5.773	0.078	20.28			
10/7/2003	14:20:29	29.8	58.56	5.773	0.078	20.30			
10/7/2003	14:20:31	31.5	58.59	5.773	0.078	20.33			
10/7/2003	14:20:33	33.3	58.59	5.773	0.078	20.37			
10/7/2003	14:20:35	35.2	58.59	5.773	0.078	20.40			
10/7/2003	14:20:37	37.3	58.59	5.773	0.078	20.43			
10/7/2003	14:20:39	39.5	58.59	5.773	0.078	20.47			
10/7/2003	14:20:41	41.8	58.59	5.771	0.080	20.50			
10/7/2003	14:20:44	44.3	58.56	5.773	0.078	20.55			
10/7/2003	14:20:46	46.9	58.56	5.773	0.078	20.58			
10/7/2003	14:20:49	49.7	58.56	5.773	0.078	20.63			
10/7/2003	14:20:52	52.6	58.56	5.775	0.076	20.68			
10/7/2003	14:20:55	55.7	58.56	5.773	0.078	20.73			
10/7/2003	14:20:59	59	58.56	5.773	0.078	20.80			
10/7/2003	14:21:02	62.5	58.56	5.773	0.078	20.85			
10/7/2003	14:21:06	66.2	58.56	5.773	0.078	20.92			
10/7/2003	14:21:10	70.1	58.56	5.775	0.076	20.98			
10/7/2003	14:21:14	74.3	58.56	5.773	0.078	21.05	0.00		Pump Stop
10/7/2003	14:21:18	78.7	58.56	5.848	0.003	21.12	0.07	316.75	
10/7/2003	14:21:23	83.4	58.56	5.848	0.003	21.20	0.15	141.33	
10/7/2003	14:21:28	88.4	58.56	5.848	0.003	21.28	0.23	91.21	
10/7/2003	14:21:33	93.7	58.56	5.848	0.003	21.37	0.32	67.47	
10/7/2003	14:21:39	99.3	58.56	5.846	0.005	21.47	0.42	51.52	
10/7/2003	14:21:45	105.2	58.54	5.848	0.003	21.57	0.52	41.74	
10/7/2003	14:21:51	111.5	58.54	5.848	0.003	21.67	0.62	35.14	
10/7/2003	14:21:58	118.1	58.54	5.848	0.003	21.78	0.73	29.70	
10/7/2003	14:22:05	125.1	58.54	5.848	0.003	21.90	0.85	25.76	
10/7/2003	14:22:12	132.6	58.56	5.848	0.003	22.02	0.97	22.78	
10/7/2003	14:22:20	140.5	58.54	5.848	0.003	22.15	1.10	20.14	
10/7/2003	14:22:28	148.9	58.54	5.848	0.003	22.28	1.23	18.07	
10/7/2003	14:22:37	157.8	58.54	5.85	0.001	22.43	1.38	16.22	
10/7/2003	14:22:47	167.2	58.54	5.85	0.001	22.60	1.55	14.58	
10/7/2003	14:22:57	177.2	58.54	5.85	0.001	22.77	1.72	13.26	
10/7/2003	14:23:07	187.8	58.54	5.848	0.003	22.93	1.88	12.18	

Well No. **SEA-602A**

Date	Time	Test Time Elapsed Sec	Temp- erature oF	Depth Below SWL Ft	Draw- down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	14:23:19	199	58.52	5.848	0.003	23.13	2.08	11.10	
10/7/2003	14:23:30	210.9	58.52	5.85	0.001	23.32	2.27	10.29	
10/7/2003	14:23:43	223.5	58.52	5.85	0.001	23.53	2.48	9.48	
10/7/2003	14:23:56	236.8	58.52	5.848	0.003	23.75	2.70	8.80	
10/7/2003	14:24:10	250.9	58.52	5.848	0.003	23.98	2.93	8.18	
10/7/2003	14:24:25	265.8	58.52	5.847	0.004	24.23	3.18	7.61	
10/7/2003	14:24:41	281.6	58.52	5.848	0.003	24.50	3.45	7.10	
10/7/2003	14:24:58	298.4	58.5	5.849	0.002	24.78	3.73	6.64	
10/7/2003	14:25:16	316.2	58.5	5.849	0.002	25.08	4.03	6.22	
10/7/2003	14:25:35	335	58.5	5.849	0.002	25.40	4.35	5.84	
10/7/2003	14:25:54	354.9	58.5	5.849	0.002	25.72	4.67	5.51	
10/7/2003	14:26:16	376	58.47	5.849	0.002	26.08	5.03	5.18	
10/7/2003	14:26:38	398.4	58.47	5.849	0.002	26.45	5.40	4.90	
10/7/2003	14:27:02	422.1	58.47	5.849	0.002	26.85	5.80	4.63	
10/7/2003	14:27:27	447.2	58.47	5.851	0.000	27.27	6.22	4.39	
10/7/2003	14:27:53	473.8	58.47	5.849	0.002	27.70	6.65	4.17	
10/7/2003	14:28:22	502	58.47	5.849	0.002	28.18	7.13	3.95	
10/7/2003	14:28:51	531.9	58.45	5.851	0.000	28.67	7.62	3.76	
10/7/2003	14:29:21	561.9	58.45	5.851	0.000	29.17	8.12	3.59	
10/7/2003	14:29:51	591.9	58.43	5.851	0.000	29.67	8.62	3.44	
10/7/2003	14:46:00								DTW = 7.71 at 14:46

Pump and Recovery Tests - Summary
Peterson/Puritan OU2
October 2003

Well No.

SEA-602B

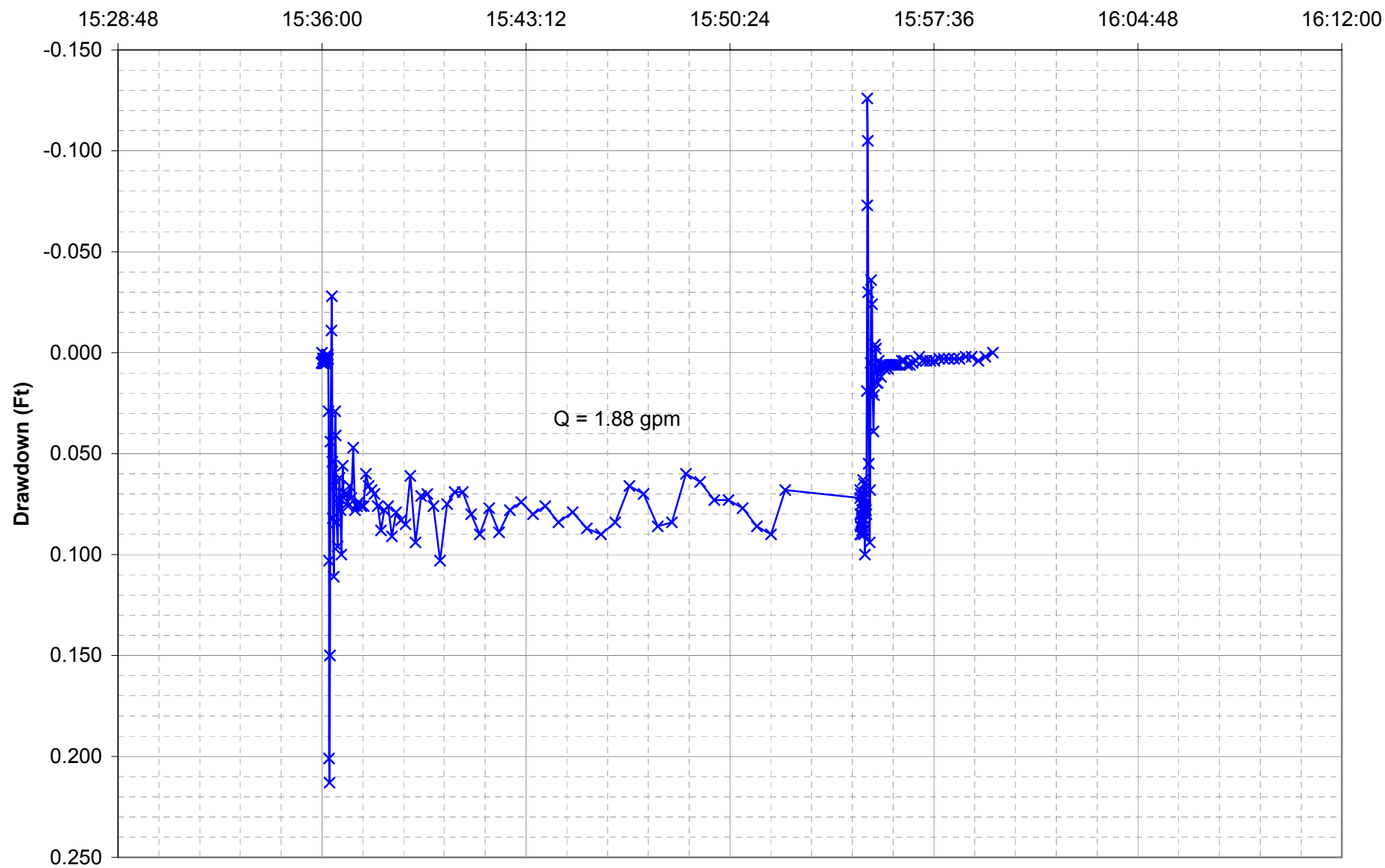
Equipment: In-Situ Inc. MiniTroll Pro
Test start date and time 10/7/2003 15:36:00
Test end date and time 10/7/2003 15:59:41
Period of pumping 19 minutes

Static depth to water 7.02 feet below top of casing
Starting transducer depth 5.325 feet below static water level
Total well depth 63.7 feet below top of casing
Depth to top of screen 53.5 feet below top of casing
Height of interval tested [b] 10.0 feet

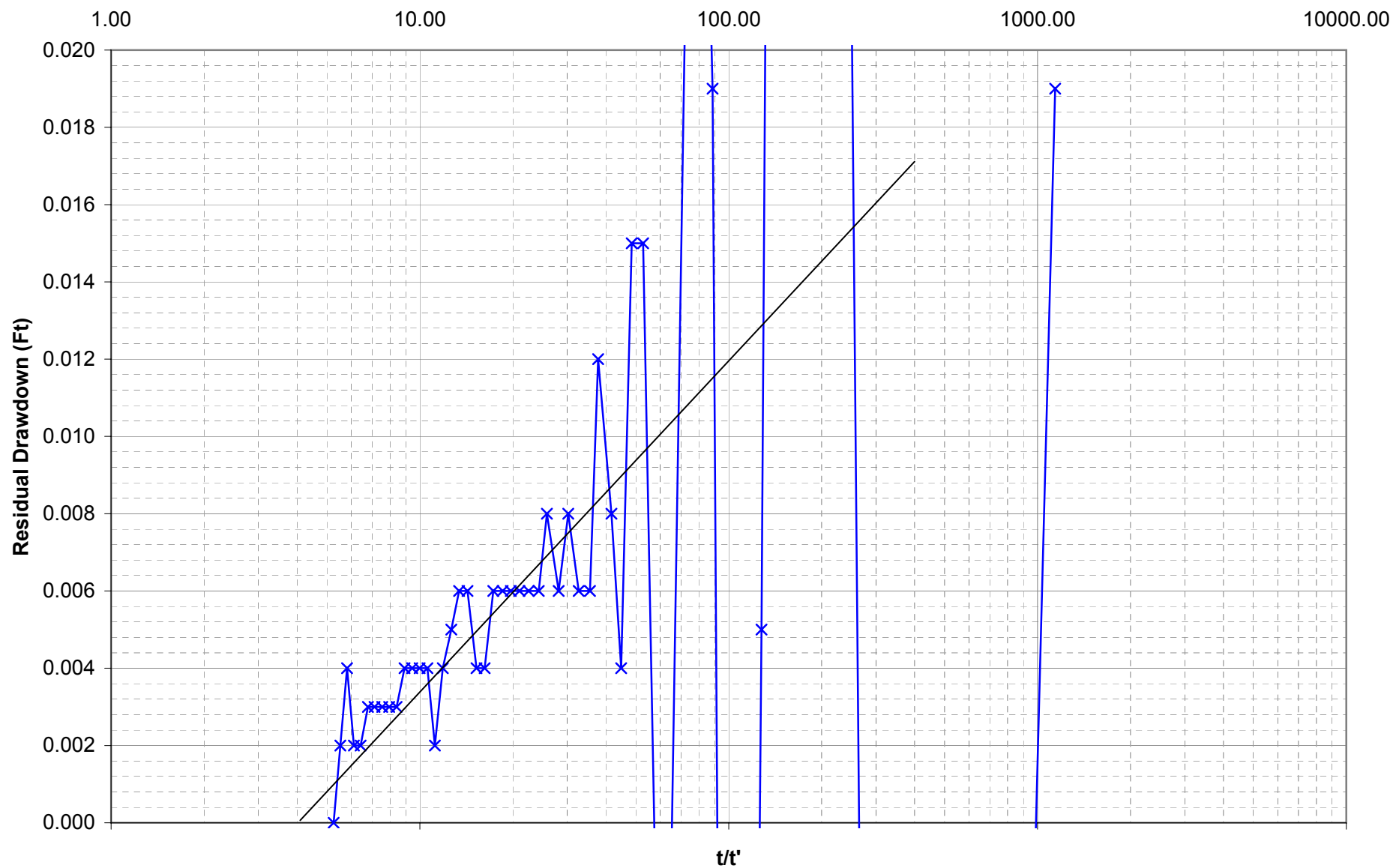
Average pumping rate [Q] 1.88 gpm, or 362 cfd
Average drawdown [s] 0.08 ft
Specific capacity [Q/s] 23.5 gpm/ft

Residual drawdown over one log cycle [Δs] 0.0087 feet
Transmissivity [$T = (2.3Q)/(4\pi\Delta s)$] 7613.1 cfd/ft
Hydraulic conductivity [$K = T/b$] 761.3 fpd, or 2.7E-01 cm/sec

Drawdown Over Time - SEA-602B



Recovery Plot - SEA-602B



Pump and Recovery Tests - Data
Peterson/Puritan OU2
October 2003

Well No. **SEA-602B**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	14:36:00								DTW = 7.02 at 14:36
10/7/2003	14:37:00								DTW = 7.02 at 14:37
10/7/2003	15:36:00	0	58.63	5.325	0.000				Start Test 1
10/7/2003	15:36:00	0.3	58.66	5.32	0.005				
10/7/2003	15:36:00	0.6	58.68	5.32	0.005				
10/7/2003	15:36:00	0.9	58.68	5.32	0.005				
10/7/2003	15:36:01	1.2	58.68	5.32	0.005				
10/7/2003	15:36:01	1.5	58.68	5.32	0.005				
10/7/2003	15:36:01	1.8	58.7	5.32	0.005				
10/7/2003	15:36:02	2.1	58.7	5.322	0.003				
10/7/2003	15:36:02	2.4	58.7	5.32	0.005				
10/7/2003	15:36:02	2.7	58.7	5.32	0.005				
10/7/2003	15:36:03	3	58.7	5.322	0.003				
10/7/2003	15:36:03	3.3	58.7	5.32	0.005				
10/7/2003	15:36:03	3.6	58.7	5.32	0.005				
10/7/2003	15:36:03	3.9	58.7	5.32	0.005				
10/7/2003	15:36:04	4.2	58.7	5.322	0.003				
10/7/2003	15:36:04	4.5	58.72	5.32	0.005				
10/7/2003	15:36:04	4.8	58.72	5.32	0.005				
10/7/2003	15:36:05	5.1	58.72	5.32	0.005				
10/7/2003	15:36:05	5.4	58.72	5.32	0.005				
10/7/2003	15:36:05	5.7	58.72	5.32	0.005				
10/7/2003	15:36:06	6	58.72	5.32	0.005				
10/7/2003	15:36:06	6.4	58.72	5.32	0.005				
10/7/2003	15:36:06	6.7	58.72	5.322	0.003				
10/7/2003	15:36:07	7.1	58.72	5.32	0.005				
10/7/2003	15:36:07	7.5	58.72	5.322	0.003				
10/7/2003	15:36:07	8	58.72	5.322	0.003				
10/7/2003	15:36:08	8.4	58.72	5.32	0.005				
10/7/2003	15:36:08	8.9	58.72	5.32	0.005				
10/7/2003	15:36:09	9.5	58.75	5.32	0.005				
10/7/2003	15:36:10	10	58.72	5.324	0.001				
10/7/2003	15:36:10	10.6	58.72	5.322	0.003				
10/7/2003	15:36:11	11.3	58.72	5.322	0.003				
10/7/2003	15:36:11	11.9	58.7	5.324	0.001				
10/7/2003	15:36:12	12.6	58.72	5.324	0.001				
10/7/2003	15:36:13	13.4	58.7	5.322	0.003	0.00			Pump Start
10/7/2003	15:36:14	14.2	58.7	5.296	0.029	0.02			
10/7/2003	15:36:15	15	58.7	5.222	0.103	0.03			
10/7/2003	15:36:15	15.9	58.7	5.124	0.201	0.03			
10/7/2003	15:36:16	16.8	58.7	5.112	0.213	0.05			
10/7/2003	15:36:17	17.8	58.7	5.175	0.150	0.07			
10/7/2003	15:36:18	18.9	58.7	5.281	0.044	0.08			
10/7/2003	15:36:20	20	58.7	5.336	-0.011	0.12			
10/7/2003	15:36:21	21.2	58.7	5.353	-0.028	0.13			
10/7/2003	15:36:22	22.4	58.7	5.271	0.054	0.15			
10/7/2003	15:36:23	23.8	58.7	5.243	0.082	0.17			
10/7/2003	15:36:25	25.2	58.7	5.214	0.111	0.20			
10/7/2003	15:36:26	26.7	58.7	5.259	0.066	0.22			
10/7/2003	15:36:28	28.2	58.72	5.296	0.029	0.25			
10/7/2003	15:36:29	29.8	58.72	5.284	0.041	0.27			
10/7/2003	15:36:31	31.5	58.72	5.241	0.084	0.30			
10/7/2003	15:36:33	33.3	58.72	5.229	0.096	0.33			
10/7/2003	15:36:35	35.2	58.72	5.253	0.072	0.37			
10/7/2003	15:36:37	37.3	58.72	5.263	0.062	0.40			
10/7/2003	15:36:39	39.5	58.72	5.247	0.078	0.43			
10/7/2003	15:36:41	41.8	58.72	5.225	0.100	0.47			
10/7/2003	15:36:44	44.3	58.72	5.269	0.056	0.52			
10/7/2003	15:36:46	46.9	58.75	5.253	0.072	0.55			
10/7/2003	15:36:49	49.7	58.72	5.255	0.070	0.60			
10/7/2003	15:36:52	52.6	58.72	5.255	0.070	0.65			
10/7/2003	15:36:55	55.7	58.72	5.249	0.076	0.70			
10/7/2003	15:36:58	59	58.75	5.259	0.066	0.75			
10/7/2003	15:37:02	62.5	58.75	5.253	0.072	0.82			
10/7/2003	15:37:06	66.2	58.75	5.278	0.047	0.88			

Well No. **SEA-602B**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	15:37:10	70.1	58.75	5.247	0.078	0.95			
10/7/2003	15:37:14	74.3	58.75	5.249	0.076	1.02			
10/7/2003	15:37:18	78.7	58.75	5.251	0.074	1.08			
10/7/2003	15:37:23	83.4	58.75	5.249	0.076	1.17			
10/7/2003	15:37:28	88.4	58.72	5.249	0.076	1.25			
10/7/2003	15:37:33	93.7	58.75	5.265	0.060	1.33			
10/7/2003	15:37:39	99.3	58.72	5.259	0.066	1.43			
10/7/2003	15:37:45	105.2	58.72	5.257	0.068	1.53			
10/7/2003	15:37:51	111.5	58.72	5.255	0.070	1.63			
10/7/2003	15:37:58	118.1	58.72	5.249	0.076	1.75			
10/7/2003	15:38:05	125.1	58.7	5.237	0.088	1.87			1.88 gpm flow rate
10/7/2003	15:38:12	132.6	58.7	5.247	0.078	1.98			
10/7/2003	15:38:20	140.5	58.7	5.249	0.076	2.12			
10/7/2003	15:38:28	148.9	58.7	5.234	0.091	2.25			
10/7/2003	15:38:37	157.8	58.68	5.246	0.079	2.40			
10/7/2003	15:38:47	167.2	58.68	5.242	0.083	2.57			
10/7/2003	15:38:57	177.2	58.66	5.24	0.085	2.73			
10/7/2003	15:39:07	187.8	58.63	5.264	0.061	2.90			
10/7/2003	15:39:18	199	58.61	5.231	0.094	3.08			
10/7/2003	15:39:30	210.9	58.59	5.254	0.071	3.28			
10/7/2003	15:39:43	223.5	58.56	5.255	0.070	3.50			
10/7/2003	15:39:56	236.8	58.52	5.249	0.076	3.72			
10/7/2003	15:40:10	250.9	58.5	5.222	0.103	3.95			
10/7/2003	15:40:25	265.8	58.45	5.25	0.075	4.20			
10/7/2003	15:40:41	281.6	58.43	5.256	0.069	4.47			
10/7/2003	15:40:58	298.4	58.38	5.256	0.069	4.75			
10/7/2003	15:41:16	316.2	58.36	5.245	0.080	5.05			
10/7/2003	15:41:34	335	58.32	5.235	0.090	5.35			
10/7/2003	15:41:54	354.9	58.27	5.248	0.077	5.68			
10/7/2003	15:42:15	376	58.23	5.236	0.089	6.03			
10/7/2003	15:42:38	398.4	58.18	5.247	0.078	6.42			
10/7/2003	15:43:02	422.1	58.16	5.251	0.074	6.82			
10/7/2003	15:43:27	447.2	58.13	5.245	0.080	7.23			
10/7/2003	15:43:53	473.8	58.13	5.249	0.076	7.67			
10/7/2003	15:44:21	502	58.11	5.241	0.084	8.13			2.00 gpm flow rate
10/7/2003	15:44:51	531.9	58.07	5.246	0.079	8.63			
10/7/2003	15:45:21	561.9	58.04	5.238	0.087	9.13			
10/7/2003	15:45:51	591.9	58	5.235	0.090	9.63			
10/7/2003	15:46:21	621.9	57.98	5.241	0.084	10.13			1.88 gpm flow rate
10/7/2003	15:46:51	651.9	57.95	5.259	0.066	10.63			
10/7/2003	15:47:21	681.9	57.93	5.255	0.070	11.13			
10/7/2003	15:47:51	711.9	57.91	5.239	0.086	11.63			
10/7/2003	15:48:21	741.9	57.91	5.241	0.084	12.13			
10/7/2003	15:48:51	771.9	57.89	5.265	0.060	12.63			
10/7/2003	15:49:21	801.9	57.86	5.261	0.064	13.13			
10/7/2003	15:49:51	831.9	57.84	5.252	0.073	13.63			
10/7/2003	15:50:21	861.9	57.8	5.252	0.073	14.13			
10/7/2003	15:50:51	891.9	57.8	5.248	0.077	14.63			
10/7/2003	15:51:21	921.9	57.77	5.239	0.086	15.13			
10/7/2003	15:51:51	951.9	57.77	5.235	0.090	15.63			
10/7/2003	15:52:21	981.9	57.75	5.257	0.068	16.13			1.88 gpm flow rate
10/7/2003	15:55:00	0	57.68	5.253	0.072	18.78			Start Test 2
10/7/2003	15:55:00	0.3	57.7	5.257	0.068	18.78			
10/7/2003	15:55:00	0.6	57.73	5.235	0.090	18.78			
10/7/2003	15:55:00	0.9	57.73	5.245	0.080	18.78			
10/7/2003	15:55:01	1.2	57.73	5.239	0.086	18.80			
10/7/2003	15:55:01	1.5	57.75	5.255	0.070	18.80			
10/7/2003	15:55:01	1.8	57.75	5.239	0.086	18.80			
10/7/2003	15:55:02	2.1	57.75	5.245	0.080	18.82			
10/7/2003	15:55:02	2.4	57.75	5.235	0.090	18.82			
10/7/2003	15:55:02	2.7	57.75	5.241	0.084	18.82			
10/7/2003	15:55:03	3	57.77	5.241	0.084	18.83			
10/7/2003	15:55:03	3.3	57.75	5.241	0.084	18.83			
10/7/2003	15:55:03	3.6	57.77	5.243	0.082	18.83			
10/7/2003	15:55:03	3.9	57.77	5.25	0.075	18.83			
10/7/2003	15:55:04	4.2	57.77	5.247	0.078	18.85			
10/7/2003	15:55:04	4.5	57.77	5.237	0.088	18.85			
10/7/2003	15:55:04	4.8	57.77	5.254	0.071	18.85			
10/7/2003	15:55:05	5.1	57.77	5.241	0.084	18.87			

Well No. **SEA-602B**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	15:55:05	5.4	57.77	5.241	0.084	18.87			
10/7/2003	15:55:05	5.7	57.77	5.237	0.088	18.87			
10/7/2003	15:55:06	6	57.77	5.247	0.078	18.88			
10/7/2003	15:55:06	6.4	57.77	5.252	0.073	18.88			
10/7/2003	15:55:06	6.7	57.77	5.262	0.063	18.88			
10/7/2003	15:55:07	7.1	57.77	5.254	0.071	18.90			
10/7/2003	15:55:07	7.5	57.77	5.243	0.082	18.90			
10/7/2003	15:55:08	8	57.77	5.235	0.090	18.92			
10/7/2003	15:55:08	8.4	57.77	5.26	0.065	18.92			
10/7/2003	15:55:08	8.9	57.77	5.249	0.076	18.92			
10/7/2003	15:55:09	9.5	57.77	5.237	0.088	18.93			
10/7/2003	15:55:10	10	57.77	5.225	0.100	18.95			
10/7/2003	15:55:10	10.6	57.77	5.249	0.076	18.95			
10/7/2003	15:55:11	11.3	57.75	5.253	0.072	18.97			
10/7/2003	15:55:11	11.9	57.75	5.247	0.078	18.97			
10/7/2003	15:55:12	12.6	57.75	5.247	0.078	18.98			
10/7/2003	15:55:13	13.4	57.75	5.245	0.080	19.00	0.00		Pump Stop
10/7/2003	15:55:14	14.2	57.75	5.306	0.019	19.02	0.02	1141.00	
10/7/2003	15:55:15	15	57.75	5.398	-0.073	19.03	0.03	571.00	
10/7/2003	15:55:15	15.9	57.75	5.451	-0.126	19.03	0.03	571.00	
10/7/2003	15:55:16	16.8	57.75	5.43	-0.105	19.05	0.05	381.00	
10/7/2003	15:55:17	17.8	57.75	5.355	-0.030	19.07	0.07	286.00	
10/7/2003	15:55:18	18.9	57.75	5.27	0.055	19.08	0.08	229.00	
10/7/2003	15:55:20	20	57.75	5.231	0.094	19.12	0.12	163.86	
10/7/2003	15:55:21	21.2	57.73	5.257	0.068	19.13	0.13	143.50	
10/7/2003	15:55:22	22.4	57.75	5.32	0.005	19.15	0.15	127.67	
10/7/2003	15:55:23	23.8	57.75	5.361	-0.036	19.17	0.17	115.00	
10/7/2003	15:55:25	25.2	57.75	5.349	-0.024	19.20	0.20	96.00	
10/7/2003	15:55:26	26.7	57.75	5.306	0.019	19.22	0.22	88.69	
10/7/2003	15:55:28	28.2	57.75	5.286	0.039	19.25	0.25	77.00	
10/7/2003	15:55:29	29.8	57.75	5.304	0.021	19.27	0.27	72.25	
10/7/2003	15:55:31	31.5	57.75	5.329	-0.004	19.30	0.30	64.33	
10/7/2003	15:55:33	33.3	57.75	5.327	-0.002	19.33	0.33	58.00	
10/7/2003	15:55:35	35.2	57.75	5.31	0.015	19.37	0.37	52.82	
10/7/2003	15:55:37	37.3	57.75	5.31	0.015	19.40	0.40	48.50	
10/7/2003	15:55:39	39.5	57.75	5.321	0.004	19.43	0.43	44.85	
10/7/2003	15:55:41	41.8	57.77	5.317	0.008	19.47	0.47	41.71	
10/7/2003	15:55:44	44.3	57.77	5.313	0.012	19.52	0.52	37.77	
10/7/2003	15:55:46	46.9	57.77	5.319	0.006	19.55	0.55	35.55	
10/7/2003	15:55:49	49.7	57.77	5.319	0.006	19.60	0.60	32.67	
10/7/2003	15:55:52	52.6	57.77	5.317	0.008	19.65	0.65	30.23	
10/7/2003	15:55:55	55.7	57.77	5.319	0.006	19.70	0.70	28.14	
10/7/2003	15:55:59	59	57.77	5.317	0.008	19.77	0.77	25.78	
10/7/2003	15:56:02	62.5	57.77	5.319	0.006	19.82	0.82	24.27	
10/7/2003	15:56:06	66.2	57.77	5.319	0.006	19.88	0.88	22.51	
10/7/2003	15:56:10	70.1	57.77	5.319	0.006	19.95	0.95	21.00	
10/7/2003	15:56:14	74.3	57.77	5.319	0.006	20.02	1.02	19.69	
10/7/2003	15:56:18	78.7	57.77	5.319	0.006	20.08	1.08	18.54	
10/7/2003	15:56:23	83.4	57.77	5.319	0.006	20.17	1.17	17.29	
10/7/2003	15:56:28	88.4	57.77	5.321	0.004	20.25	1.25	16.20	
10/7/2003	15:56:33	93.7	57.77	5.321	0.004	20.33	1.33	15.25	
10/7/2003	15:56:39	99.3	57.77	5.319	0.006	20.43	1.43	14.26	
10/7/2003	15:56:45	105.2	57.77	5.319	0.006	20.53	1.53	13.39	
10/7/2003	15:56:51	111.5	57.75	5.32	0.005	20.63	1.63	12.63	
10/7/2003	15:56:58	118.1	57.75	5.321	0.004	20.75	1.75	11.86	
10/7/2003	15:57:05	125.1	57.75	5.323	0.002	20.87	1.87	11.18	
10/7/2003	15:57:12	132.6	57.75	5.321	0.004	20.98	1.98	10.58	
10/7/2003	15:57:20	140.5	57.75	5.321	0.004	21.12	2.12	9.98	
10/7/2003	15:57:28	148.9	57.75	5.321	0.004	21.25	2.25	9.44	
10/7/2003	15:57:37	157.8	57.75	5.321	0.004	21.40	2.40	8.92	
10/7/2003	15:57:47	167.2	57.73	5.322	0.003	21.57	2.57	8.40	
10/7/2003	15:57:57	177.2	57.73	5.322	0.003	21.73	2.73	7.95	
10/7/2003	15:58:07	187.8	57.73	5.322	0.003	21.90	2.90	7.55	
10/7/2003	15:58:19	199	57.73	5.322	0.003	22.10	3.10	7.13	
10/7/2003	15:58:30	210.9	57.73	5.322	0.003	22.28	3.28	6.79	
10/7/2003	15:58:43	223.5	57.75	5.323	0.002	22.50	3.50	6.43	
10/7/2003	15:58:56	236.8	57.75	5.323	0.002	22.72	3.72	6.11	
10/7/2003	15:59:10	250.9	57.75	5.321	0.004	22.95	3.95	5.81	
10/7/2003	15:59:25	265.8	57.77	5.323	0.002	23.20	4.20	5.52	

Well No. **SEA-602B**

Date	Time	Test Time Elapsed Sec	Temp- erature oF	Depth Below SWL Ft	Draw- down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	15:59:41	281.6	57.77	5.325	0.000	23.47	4.47	5.25	
10/7/2003	16:07:00								DTW = 7.04 at 16:07

Pump and Recovery Tests - Summary
Peterson/Puritan OU2
October 2003

Well No.

SEA-603

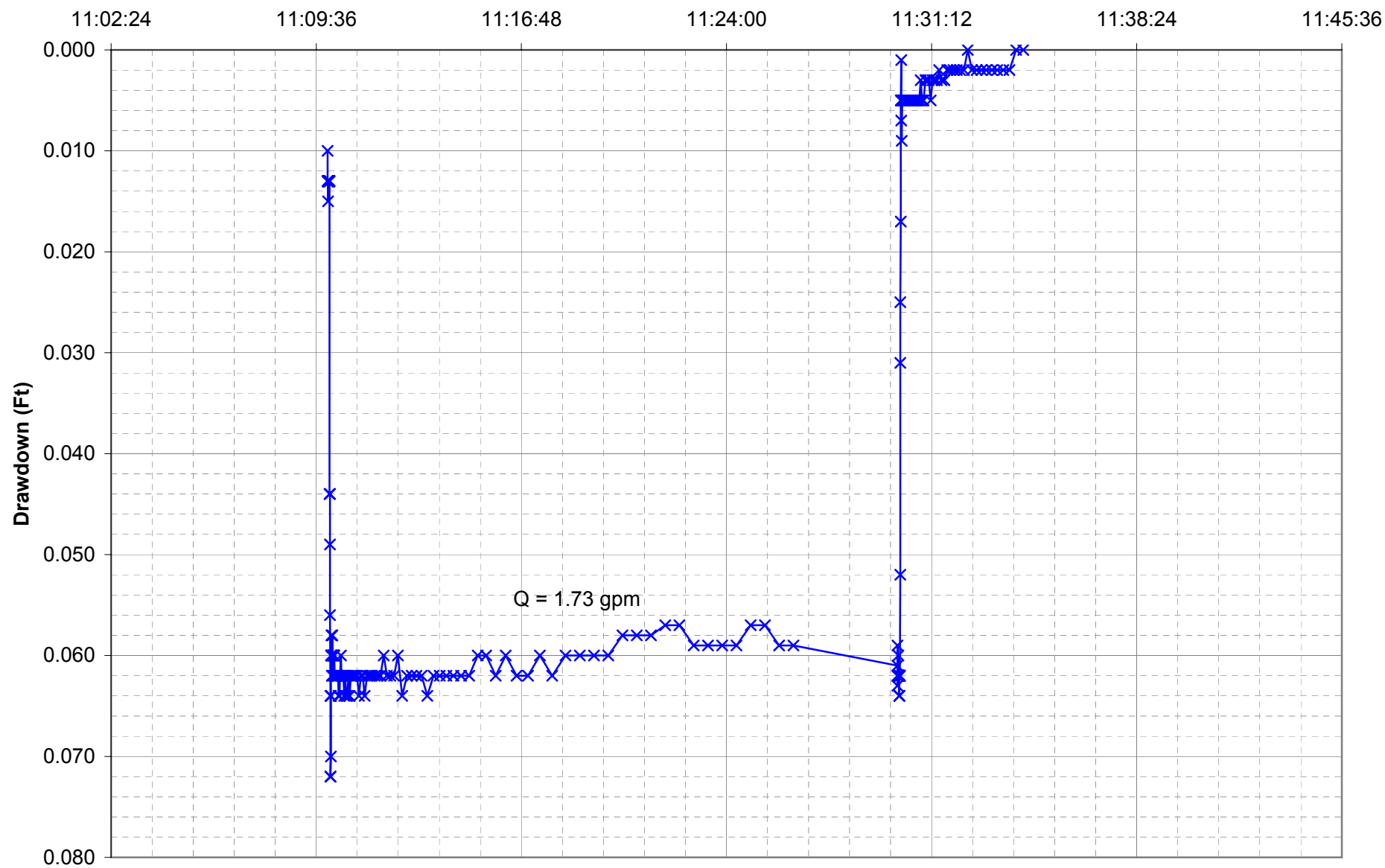
Equipment: In-Situ Inc. MiniTroll Pro
Test start date and time 10/7/2003 11:10:00
Test end date and time 10/7/2003 11:34:25
Period of pumping 20 minutes

Static depth to water 7.26 feet below top of casing
Starting transducer depth 5.26 feet below static water level
Total well depth 20.6 feet below top of casing
Depth to top of screen 10.4 feet below top of casing
Height of interval tested [b] 10.0 feet

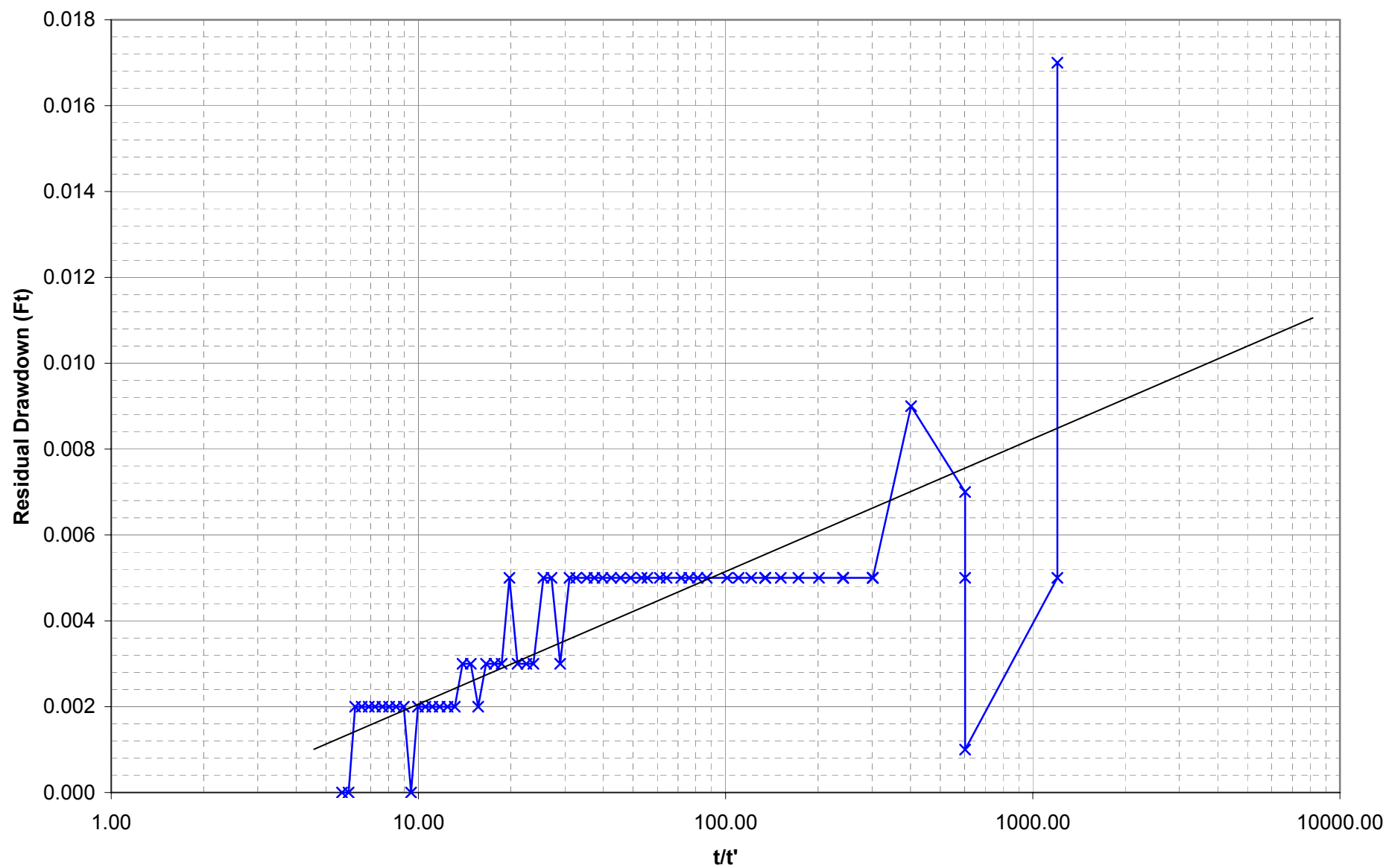
Average pumping rate [Q] 1.73 gpm, or 333 cfd
Average drawdown [s] 0.061 ft
Specific capacity [Q/s] 28.4 gpm/ft

Residual drawdown over one log cycle [Δs] 0.0032 feet
Transmissivity [$T = (2.3Q)/(4\pi\Delta s)$] 19046.6 cfd/ft
Hydraulic conductivity [$K = T/b$] 1904.7 fpd, or 6.7E-01 cm/sec

Drawdown Over Time - SEA-603



Recovery Plot - SEA-603



Pump and Recovery Tests - Data
Peterson/Puritan OU2
October 2003

Well No. **SEA-603**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	11:01:00								DTW = 7.27 at 11:01
10/7/2003	11:10:00	0	61.08	5.25	0.010				Start Test 1
10/7/2003	11:10:00	0.3	61.1	5.247	0.013				
10/7/2003	11:10:00	0.6	61.1	5.247	0.013				
10/7/2003	11:10:00	0.9	61.1	5.247	0.013				
10/7/2003	11:10:01	1.2	61.12	5.247	0.013				
10/7/2003	11:10:01	1.5	61.12	5.245	0.015				
10/7/2003	11:10:01	1.8	61.12	5.247	0.013				
10/7/2003	11:10:02	2.1	61.12	5.247	0.013				
10/7/2003	11:10:02	2.4	61.15	5.247	0.013				
10/7/2003	11:10:02	2.7	61.15	5.247	0.013				
10/7/2003	11:10:03	3	61.15	5.247	0.013				
10/7/2003	11:10:03	3.3	61.15	5.247	0.013				
10/7/2003	11:10:03	3.6	61.15	5.247	0.013				
10/7/2003	11:10:03	3.9	61.15	5.247	0.013				
10/7/2003	11:10:04	4.2	61.15	5.247	0.013				
10/7/2003	11:10:04	4.5	61.15	5.247	0.013	0.00			Pump Start
10/7/2003	11:10:04	4.8	61.15	5.216	0.044	0.00			
10/7/2003	11:10:05	5.1	61.15	5.216	0.044	0.02			
10/7/2003	11:10:05	5.4	61.17	5.211	0.049	0.02			
10/7/2003	11:10:05	5.7	61.17	5.204	0.056	0.02			
10/7/2003	11:10:06	6	61.17	5.196	0.064	0.03			
10/7/2003	11:10:06	6.4	61.17	5.188	0.072	0.03			
10/7/2003	11:10:06	6.7	61.17	5.188	0.072	0.03			
10/7/2003	11:10:07	7.1	61.17	5.19	0.070	0.05			
10/7/2003	11:10:07	7.5	61.17	5.196	0.064	0.05			
10/7/2003	11:10:07	8	61.17	5.2	0.060	0.05			
10/7/2003	11:10:08	8.4	61.17	5.202	0.058	0.07			
10/7/2003	11:10:08	8.9	61.17	5.2	0.060	0.07			
10/7/2003	11:10:09	9.5	61.17	5.198	0.062	0.08			
10/7/2003	11:10:10	10	61.17	5.202	0.058	0.10			
10/7/2003	11:10:10	10.6	61.15	5.2	0.060	0.10			
10/7/2003	11:10:11	11.3	61.15	5.2	0.060	0.12			
10/7/2003	11:10:11	11.9	61.15	5.198	0.062	0.12			
10/7/2003	11:10:12	12.6	61.15	5.2	0.060	0.13			
10/7/2003	11:10:13	13.4	61.15	5.2	0.060	0.15			
10/7/2003	11:10:14	14.2	61.15	5.2	0.060	0.17			
10/7/2003	11:10:15	15	61.15	5.198	0.062	0.18			
10/7/2003	11:10:15	15.9	61.15	5.198	0.062	0.18			
10/7/2003	11:10:16	16.8	61.15	5.198	0.062	0.20			
10/7/2003	11:10:17	17.8	61.15	5.198	0.062	0.22			
10/7/2003	11:10:18	18.9	61.15	5.198	0.062	0.23			
10/7/2003	11:10:20	20	61.15	5.198	0.062	0.27			
10/7/2003	11:10:21	21.2	61.15	5.198	0.062	0.28			
10/7/2003	11:10:22	22.4	61.15	5.198	0.062	0.30			
10/7/2003	11:10:23	23.8	61.15	5.196	0.064	0.32			
10/7/2003	11:10:25	25.2	61.15	5.196	0.064	0.35			
10/7/2003	11:10:26	26.7	61.15	5.198	0.062	0.37			Pump Start
10/7/2003	11:10:28	28.2	61.15	5.2	0.060	0.40			
10/7/2003	11:10:29	29.8	61.15	5.198	0.062	0.42			
10/7/2003	11:10:31	31.5	61.15	5.198	0.062	0.45			
10/7/2003	11:10:33	33.3	61.15	5.198	0.062	0.48			
10/7/2003	11:10:35	35.2	61.15	5.196	0.064	0.52			
10/7/2003	11:10:37	37.3	61.12	5.198	0.062	0.55			
10/7/2003	11:10:39	39.5	61.15	5.196	0.064	0.58			
10/7/2003	11:10:41	41.8	61.15	5.196	0.064	0.62			
10/7/2003	11:10:44	44.3	61.15	5.198	0.062	0.67			
10/7/2003	11:10:46	46.9	61.15	5.196	0.064	0.70			
10/7/2003	11:10:49	49.7	61.15	5.198	0.062	0.75			
10/7/2003	11:10:52	52.6	61.15	5.198	0.062	0.80			
10/7/2003	11:10:55	55.7	61.15	5.198	0.062	0.85			
10/7/2003	11:10:58	59	61.15	5.198	0.062	0.90			
10/7/2003	11:11:02	62.5	61.15	5.198	0.062	0.97			
10/7/2003	11:11:06	66.2	61.15	5.196	0.064	1.03			
10/7/2003	11:11:10	70.1	61.15	5.198	0.062	1.10			

Well No. **SEA-603**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	11:11:14	74.3	61.15	5.198	0.062	1.17			
10/7/2003	11:11:18	78.7	61.15	5.196	0.064	1.23			
10/7/2003	11:11:23	83.4	61.15	5.198	0.062	1.32			
10/7/2003	11:11:28	88.4	61.15	5.198	0.062	1.40			
10/7/2003	11:11:33	93.7	61.15	5.198	0.062	1.48			
10/7/2003	11:11:39	99.3	61.15	5.198	0.062	1.58			
10/7/2003	11:11:45	105.2	61.15	5.198	0.062	1.68			
10/7/2003	11:11:51	111.5	61.15	5.198	0.062	1.78			
10/7/2003	11:11:58	118.1	61.15	5.2	0.060	1.90			
10/7/2003	11:12:05	125.1	61.15	5.198	0.062	2.02			
10/7/2003	11:12:12	132.6	61.15	5.198	0.062	2.13			
10/7/2003	11:12:20	140.5	61.15	5.198	0.062	2.27			
10/7/2003	11:12:28	148.9	61.15	5.2	0.060	2.40			
10/7/2003	11:12:37	157.8	61.15	5.196	0.064	2.55			
10/7/2003	11:12:47	167.2	61.15	5.198	0.062	2.72			
10/7/2003	11:12:57	177.2	61.15	5.198	0.062	2.88			
10/7/2003	11:13:07	187.8	61.15	5.198	0.062	3.05			
10/7/2003	11:13:18	199	61.15	5.198	0.062	3.23			
10/7/2003	11:13:30	210.9	61.15	5.196	0.064	3.43			
10/7/2003	11:13:43	223.5	61.15	5.198	0.062	3.65			
10/7/2003	11:13:56	236.8	61.15	5.198	0.062	3.87			
10/7/2003	11:14:10	250.9	61.15	5.198	0.062	4.10			
10/7/2003	11:14:25	265.8	61.15	5.198	0.062	4.35			
10/7/2003	11:14:41	281.6	61.15	5.198	0.062	4.62			
10/7/2003	11:14:58	298.4	61.15	5.198	0.062	4.90			
10/7/2003	11:15:16	316.2	61.15	5.2	0.060	5.20			1.67 gpm flow rate
10/7/2003	11:15:34	335	61.17	5.2	0.060	5.50			
10/7/2003	11:15:54	354.9	61.17	5.198	0.062	5.83			
10/7/2003	11:16:15	376	61.17	5.2	0.060	6.18			
10/7/2003	11:16:38	398.4	61.17	5.198	0.062	6.57			
10/7/2003	11:17:02	422.1	61.15	5.198	0.062	6.97			
10/7/2003	11:17:27	447.2	61.17	5.2	0.060	7.38			
10/7/2003	11:17:53	473.8	61.17	5.198	0.062	7.82			
10/7/2003	11:18:21	502	61.17	5.2	0.060	8.28			
10/7/2003	11:18:51	531.9	61.17	5.2	0.060	8.78			
10/7/2003	11:19:21	561.9	61.17	5.2	0.060	9.28			
10/7/2003	11:19:51	591.9	61.17	5.2	0.060	9.78			
10/7/2003	11:20:21	621.9	61.17	5.202	0.058	10.28			1.71 gpm flow rate
10/7/2003	11:20:51	651.9	61.17	5.202	0.058	10.78			
10/7/2003	11:21:21	681.9	61.17	5.202	0.058	11.28			
10/7/2003	11:21:51	711.9	61.19	5.203	0.057	11.78			
10/7/2003	11:22:21	741.9	61.19	5.203	0.057	12.28			
10/7/2003	11:22:51	771.9	61.19	5.201	0.059	12.78			
10/7/2003	11:23:21	801.9	61.19	5.201	0.059	13.28			
10/7/2003	11:23:51	831.9	61.19	5.201	0.059	13.78			
10/7/2003	11:24:21	861.9	61.19	5.201	0.059	14.28			
10/7/2003	11:24:51	891.9	61.19	5.203	0.057	14.78			
10/7/2003	11:25:21	921.9	61.19	5.203	0.057	15.28			1.82 gpm flow rate
10/7/2003	11:25:51	951.9	61.19	5.201	0.059	15.78			
10/7/2003	11:26:21	981.9	61.21	5.201	0.059	16.28			
10/7/2003	11:30:00	0	61.24	5.199	0.061	19.93			Start Test 2
10/7/2003	11:30:00	0.3	61.26	5.197	0.063	19.93			
10/7/2003	11:30:00	0.6	61.26	5.201	0.059	19.93			
10/7/2003	11:30:00	0.9	61.28	5.198	0.062	19.93			
10/7/2003	11:30:01	1.2	61.28	5.198	0.062	19.95			
10/7/2003	11:30:01	1.5	61.28	5.198	0.062	19.95			
10/7/2003	11:30:01	1.8	61.28	5.198	0.062	19.95			
10/7/2003	11:30:02	2.1	61.3	5.2	0.060	19.97			
10/7/2003	11:30:02	2.4	61.3	5.198	0.062	19.97			
10/7/2003	11:30:02	2.7	61.3	5.198	0.062	19.97			
10/7/2003	11:30:03	3	61.3	5.198	0.062	19.98			
10/7/2003	11:30:03	3.3	61.3	5.198	0.062	19.98			
10/7/2003	11:30:03	3.6	61.3	5.198	0.062	19.98			
10/7/2003	11:30:03	3.9	61.3	5.198	0.062	19.98			
10/7/2003	11:30:04	4.2	61.3	5.196	0.064	20.00			
10/7/2003	11:30:04	4.5	61.33	5.196	0.064	20.00			
10/7/2003	11:30:04	4.8	61.33	5.198	0.062	20.00			
10/7/2003	11:30:05	5.1	61.33	5.198	0.062	20.02			
10/7/2003	11:30:05	5.4	61.33	5.198	0.062	20.02			

Well No. **SEA-603**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	11:30:05	5.7	61.33	5.198	0.062	20.02			
10/7/2003	11:30:06	6	61.33	5.208	0.052	20.03	0.00		Pump Stop
10/7/2003	11:30:06	6.4	61.33	5.229	0.031	20.03	0.00		
10/7/2003	11:30:06	6.7	61.33	5.235	0.025	20.03	0.00		
10/7/2003	11:30:07	7.1	61.33	5.243	0.017	20.05	0.02	1203.00	
10/7/2003	11:30:07	7.5	61.33	5.255	0.005	20.05	0.02	1203.00	
10/7/2003	11:30:08	8	61.33	5.259	0.001	20.07	0.03	602.00	
10/7/2003	11:30:08	8.4	61.33	5.255	0.005	20.07	0.03	602.00	
10/7/2003	11:30:08	8.9	61.33	5.253	0.007	20.07	0.03	602.00	
10/7/2003	11:30:09	9.5	61.33	5.251	0.009	20.08	0.05	401.67	
10/7/2003	11:30:10	10	61.33	5.255	0.005	20.10	0.07	301.50	
10/7/2003	11:30:10	10.6	61.33	5.255	0.005	20.10	0.07	301.50	
10/7/2003	11:30:11	11.3	61.3	5.255	0.005	20.12	0.08	241.40	
10/7/2003	11:30:11	11.9	61.3	5.255	0.005	20.12	0.08	241.40	
10/7/2003	11:30:12	12.6	61.3	5.255	0.005	20.13	0.10	201.33	
10/7/2003	11:30:13	13.4	61.3	5.255	0.005	20.15	0.12	172.71	
10/7/2003	11:30:14	14.2	61.3	5.255	0.005	20.17	0.13	151.25	
10/7/2003	11:30:15	15	61.3	5.255	0.005	20.18	0.15	134.56	
10/7/2003	11:30:15	15.9	61.3	5.255	0.005	20.18	0.15	134.56	
10/7/2003	11:30:16	16.8	61.3	5.255	0.005	20.20	0.17	121.20	
10/7/2003	11:30:17	17.8	61.28	5.255	0.005	20.22	0.18	110.27	
10/7/2003	11:30:18	18.9	61.3	5.255	0.005	20.23	0.20	101.17	
10/7/2003	11:30:20	20	61.28	5.255	0.005	20.27	0.23	86.86	
10/7/2003	11:30:21	21.2	61.28	5.255	0.005	20.28	0.25	81.13	
10/7/2003	11:30:22	22.4	61.28	5.255	0.005	20.30	0.27	76.13	
10/7/2003	11:30:23	23.8	61.28	5.255	0.005	20.32	0.28	71.71	
10/7/2003	11:30:25	25.2	61.28	5.255	0.005	20.35	0.32	64.26	
10/7/2003	11:30:26	26.7	61.28	5.255	0.005	20.37	0.33	61.10	
10/7/2003	11:30:28	28.2	61.28	5.255	0.005	20.40	0.37	55.64	
10/7/2003	11:30:29	29.8	61.28	5.255	0.005	20.42	0.38	53.26	
10/7/2003	11:30:31	31.5	61.3	5.255	0.005	20.45	0.42	49.08	
10/7/2003	11:30:33	33.3	61.28	5.255	0.005	20.48	0.45	45.52	
10/7/2003	11:30:35	35.2	61.28	5.255	0.005	20.52	0.48	42.45	
10/7/2003	11:30:37	37.3	61.28	5.255	0.005	20.55	0.52	39.77	
10/7/2003	11:30:39	39.5	61.28	5.255	0.005	20.58	0.55	37.42	
10/7/2003	11:30:41	41.8	61.28	5.255	0.005	20.62	0.58	35.34	
10/7/2003	11:30:44	44.3	61.28	5.255	0.005	20.67	0.63	32.63	
10/7/2003	11:30:46	46.9	61.28	5.255	0.005	20.70	0.67	31.05	
10/7/2003	11:30:49	49.7	61.28	5.257	0.003	20.75	0.72	28.95	
10/7/2003	11:30:52	52.6	61.28	5.255	0.005	20.80	0.77	27.13	
10/7/2003	11:30:55	55.7	61.28	5.255	0.005	20.85	0.82	25.53	
10/7/2003	11:30:59	59	61.28	5.257	0.003	20.92	0.88	23.68	
10/7/2003	11:31:02	62.5	61.28	5.257	0.003	20.97	0.93	22.46	
10/7/2003	11:31:06	66.2	61.28	5.257	0.003	21.03	1.00	21.03	
10/7/2003	11:31:10	70.1	61.28	5.255	0.005	21.10	1.07	19.78	
10/7/2003	11:31:14	74.3	61.28	5.257	0.003	21.17	1.13	18.68	
10/7/2003	11:31:18	78.7	61.28	5.257	0.003	21.23	1.20	17.69	
10/7/2003	11:31:23	83.4	61.28	5.257	0.003	21.32	1.28	16.61	
10/7/2003	11:31:28	88.4	61.26	5.258	0.002	21.40	1.37	15.66	
10/7/2003	11:31:33	93.7	61.28	5.257	0.003	21.48	1.45	14.82	
10/7/2003	11:31:39	99.3	61.28	5.257	0.003	21.58	1.55	13.92	
10/7/2003	11:31:45	105.2	61.26	5.258	0.002	21.68	1.65	13.14	
10/7/2003	11:31:51	111.5	61.26	5.258	0.002	21.78	1.75	12.45	
10/7/2003	11:31:58	118.1	61.26	5.258	0.002	21.90	1.87	11.73	
10/7/2003	11:32:05	125.1	61.26	5.258	0.002	22.02	1.98	11.10	
10/7/2003	11:32:12	132.6	61.26	5.258	0.002	22.13	2.10	10.54	
10/7/2003	11:32:20	140.5	61.26	5.258	0.002	22.27	2.23	9.97	
10/7/2003	11:32:28	148.9	61.26	5.26	0.000	22.40	2.37	9.46	
10/7/2003	11:32:37	157.8	61.26	5.258	0.002	22.55	2.52	8.96	
10/7/2003	11:32:47	167.2	61.26	5.258	0.002	22.72	2.68	8.47	
10/7/2003	11:32:57	177.2	61.26	5.258	0.002	22.88	2.85	8.03	
10/7/2003	11:33:07	187.8	61.26	5.258	0.002	23.05	3.02	7.64	
10/7/2003	11:33:19	199	61.26	5.258	0.002	23.25	3.22	7.23	
10/7/2003	11:33:30	210.9	61.26	5.258	0.002	23.43	3.40	6.89	
10/7/2003	11:33:43	223.5	61.26	5.258	0.002	23.65	3.62	6.54	
10/7/2003	11:33:56	236.8	61.26	5.258	0.002	23.87	3.83	6.23	
10/7/2003	11:34:10	250.9	61.26	5.26	0.000	24.10	4.07	5.93	
10/7/2003	11:34:25	265.8	61.26	5.26	0.000	24.35	4.32	5.64	
10/7/2003	11:40:00								DTW = 7.26 at 11:40

Pump and Recovery Tests - Summary
Peterson/Puritan OU2
October 2003

Well No.

SEA-604

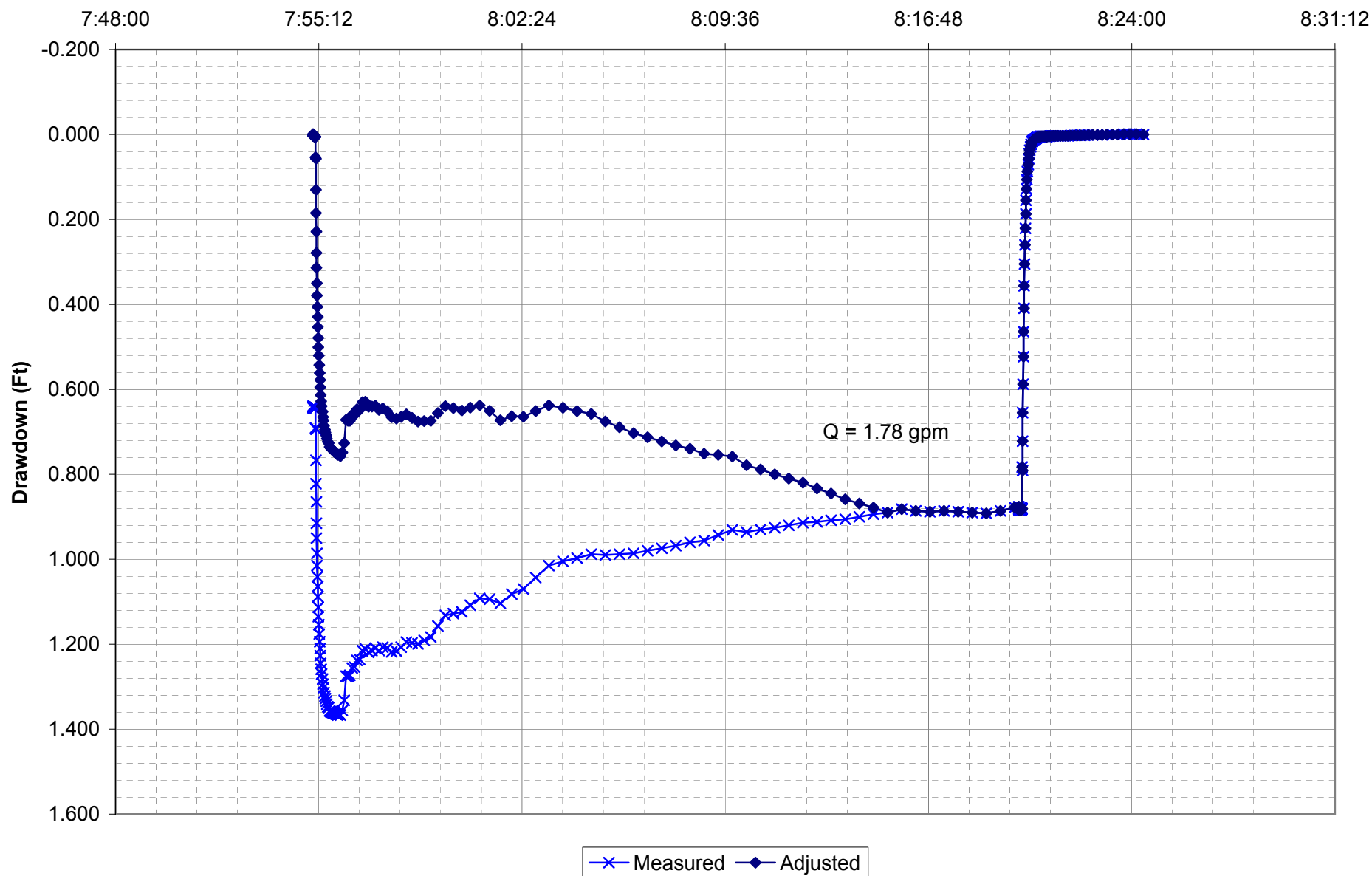
Equipment: In-Situ Inc. MiniTroll Pro
Test start date and time 10/7/2003 7:55:00
Test end date and time 10/7/2003 8:24:25
Period of pumping 25 minutes

Static depth to water 10.81 feet below top of casing
Starting transducer depth 3.755 feet below static water level
Total well depth 23.2 feet below top of casing
Depth to top of screen 13.0 feet below top of casing
Height of interval tested [b] 10.0 feet

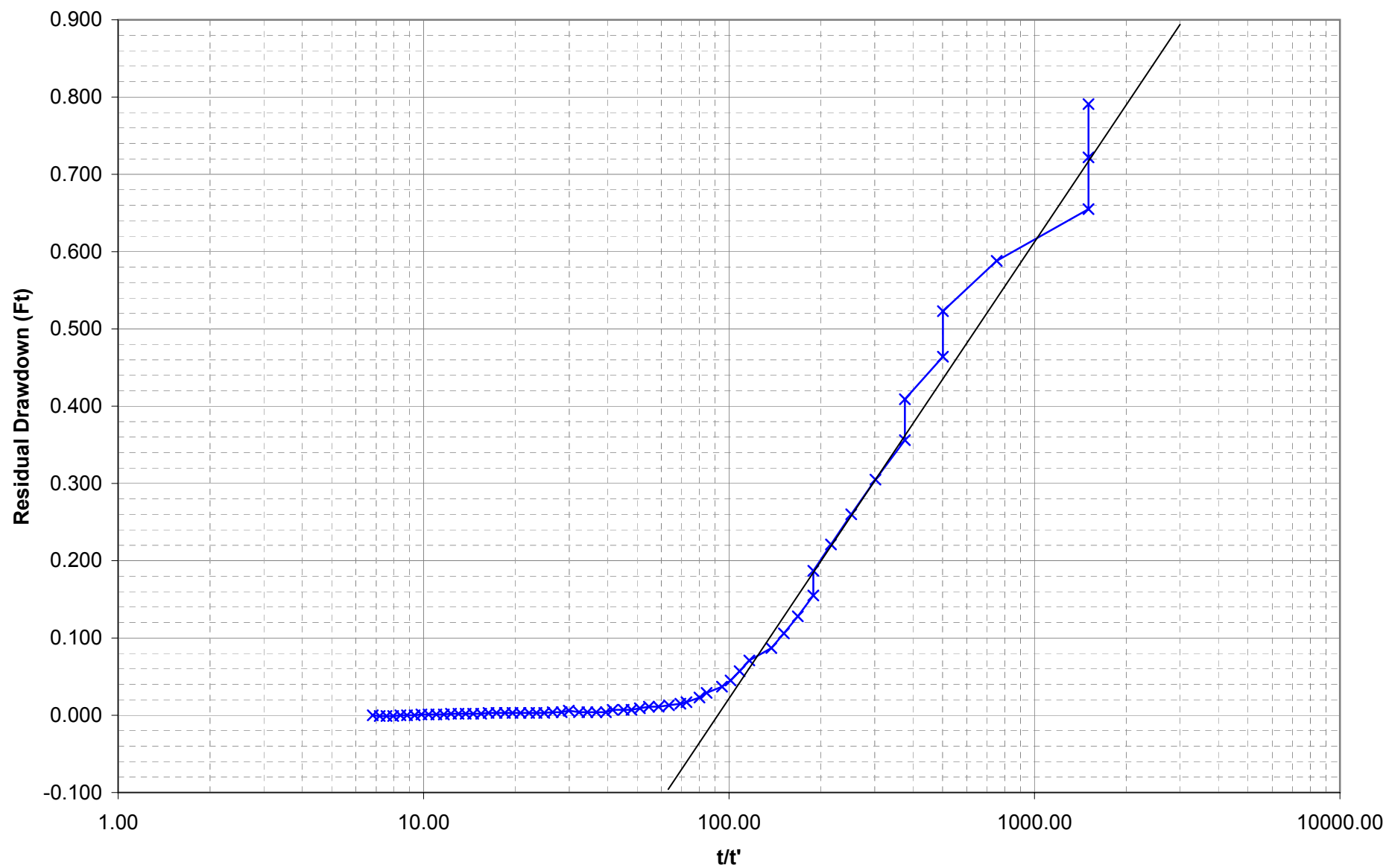
Average pumping rate [Q] 1.78 gpm, or 343 cfd
Average drawdown [s] 0.84 ft
Specific capacity [Q/s] 2.12 gpm/ft

Residual drawdown over one log cycle [Δs] 0.60 feet
Transmissivity [$T = (2.3Q)/(4\pi\Delta s)$] 104.5 cfd/ft
Hydraulic conductivity [$K = T/b$] 10.5 fpd, or 3.7E-03 cm/sec

Drawdown Over Time - SEA-604



Recovery Plot - SEA-604



Pump and Recovery Tests - Data
Peterson/Puritan OU2
October 2003

Well No. **SEA-604**

Date	Time	Test Time Elapsed Sec	Temp- erature oF	Depth Below SWL Ft	Draw- down Ft	Adjusted Draw- down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	7:35:00									DTW = 10.82 at 7:35
10/7/2003	7:55:00	0	58.72	3.116	0.639	-0.001				Start Test 1
10/7/2003	7:55:00	0.3	58.72	3.114	0.641	0.001				
10/7/2003	7:55:00	0.6	58.75	3.112	0.643	0.003				
10/7/2003	7:55:00	0.9	58.77	3.112	0.643	0.003				
10/7/2003	7:55:01	1.2	58.77	3.112	0.643	0.004				
10/7/2003	7:55:01	1.5	58.77	3.112	0.643	0.004				
10/7/2003	7:55:01	1.8	58.77	3.112	0.643	0.004				
10/7/2003	7:55:02	2.1	58.79	3.112	0.643	0.004				
10/7/2003	7:55:02	2.4	58.79	3.114	0.641	0.002				
10/7/2003	7:55:02	2.7	58.79	3.112	0.643	0.004				
10/7/2003	7:55:03	3	58.79	3.112	0.643	0.005				
10/7/2003	7:55:03	3.3	58.79	3.114	0.641	0.003				
10/7/2003	7:55:03	3.6	58.79	3.112	0.643	0.005				
10/7/2003	7:55:03	3.9	58.81	3.112	0.643	0.005				
10/7/2003	7:55:04	4.2	58.81	3.112	0.643	0.005				
10/7/2003	7:55:04	4.5	58.81	3.112	0.643	0.005				
10/7/2003	7:55:04	4.8	58.81	3.112	0.643	0.005				
10/7/2003	7:55:05	5.1	58.81	3.112	0.643	0.006				
10/7/2003	7:55:05	5.4	58.81	3.112	0.643	0.006	0.00			Pump Start
10/7/2003	7:55:05	5.7	58.81	3.064	0.691	0.054	0.00			
10/7/2003	7:55:06	6	58.81	3.061	0.694	0.057	0.02			
10/7/2003	7:55:06	6.4	58.81	2.988	0.767	0.130	0.02			
10/7/2003	7:55:06	6.7	58.81	2.933	0.822	0.185	0.02			
10/7/2003	7:55:07	7.1	58.81	2.89	0.865	0.229	0.03			
10/7/2003	7:55:07	7.5	58.81	2.84	0.915	0.279	0.03			
10/7/2003	7:55:07	8	58.81	2.805	0.950	0.314	0.03			
10/7/2003	7:55:08	8.4	58.84	2.769	0.986	0.350	0.05			
10/7/2003	7:55:08	8.9	58.84	2.74	1.015	0.379	0.05			
10/7/2003	7:55:09	9.5	58.84	2.714	1.041	0.406	0.07			
10/7/2003	7:55:10	10	58.84	2.691	1.064	0.429	0.08			
10/7/2003	7:55:10	10.6	58.81	2.667	1.088	0.453	0.08			
10/7/2003	7:55:11	11.3	58.81	2.642	1.113	0.479	0.10			
10/7/2003	7:55:11	11.9	58.81	2.62	1.135	0.501	0.10			
10/7/2003	7:55:12	12.6	58.81	2.601	1.154	0.520	0.12			
10/7/2003	7:55:13	13.4	58.81	2.579	1.176	0.543	0.13			
10/7/2003	7:55:14	14.2	58.81	2.561	1.194	0.561	0.15			
10/7/2003	7:55:15	15	58.81	2.545	1.210	0.578	0.17			
10/7/2003	7:55:15	15.9	58.81	2.528	1.227	0.595	0.17			
10/7/2003	7:55:16	16.8	58.81	2.51	1.245	0.613	0.18			
10/7/2003	7:55:17	17.8	58.81	2.496	1.259	0.628	0.20			
10/7/2003	7:55:18	18.9	58.81	2.485	1.270	0.639	0.22			
10/7/2003	7:55:20	20	58.81	2.473	1.282	0.652	0.25			
10/7/2003	7:55:21	21.2	58.81	2.461	1.294	0.665	0.27			
10/7/2003	7:55:22	22.4	58.81	2.453	1.302	0.674	0.28			
10/7/2003	7:55:23	23.8	58.84	2.441	1.314	0.686	0.30			
10/7/2003	7:55:25	25.2	58.84	2.433	1.322	0.695	0.33			
10/7/2003	7:55:26	26.7	58.84	2.427	1.328	0.702	0.35			
10/7/2003	7:55:28	28.2	58.84	2.421	1.334	0.709	0.38			
10/7/2003	7:55:29	29.8	58.84	2.414	1.341	0.716	0.40			
10/7/2003	7:55:31	31.5	58.84	2.408	1.347	0.723	0.43			
10/7/2003	7:55:33	33.3	58.84	2.406	1.349	0.726	0.47			
10/7/2003	7:55:35	35.2	58.84	2.398	1.357	0.735	0.50			
10/7/2003	7:55:37	37.3	58.86	2.396	1.359	0.738	0.53			
10/7/2003	7:55:39	39.5	58.86	2.396	1.359	0.739	0.57			
10/7/2003	7:55:41	41.8	58.86	2.394	1.361	0.742	0.60			
10/7/2003	7:55:44	44.3	58.86	2.392	1.363	0.746	0.65			
10/7/2003	7:55:46	46.9	58.86	2.392	1.363	0.747	0.68			
10/7/2003	7:55:49	49.7	58.88	2.39	1.365	0.751	0.73			
10/7/2003	7:55:52	52.6	58.88	2.388	1.367	0.754	0.78			
10/7/2003	7:55:55	55.7	58.88	2.39	1.365	0.754	0.83			
10/7/2003	7:55:58	59	58.88	2.388	1.367	0.757	0.88			
10/7/2003	7:56:02	62.5	58.9	2.399	1.356	0.748	0.95			1.76 gpm flow rate
10/7/2003	7:56:06	66.2	58.9	2.423	1.332	0.727	1.02			
10/7/2003	7:56:10	70.1	58.9	2.48	1.275	0.672	1.08			
10/7/2003	7:56:14	74.3	58.9	2.48	1.275	0.674	1.15			
10/7/2003	7:56:18	78.7	58.9	2.482	1.273	0.674	1.22			
10/7/2003	7:56:23	83.4	58.93	2.499	1.256	0.660	1.30			
10/7/2003	7:56:28	88.4	58.93	2.501	1.254	0.660	1.38			

Well No. **SEA-604**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Adjusted Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	7:56:33	93.7	58.93	2.517	1.238	0.647	1.47			
10/7/2003	7:56:39	99.3	58.93	2.519	1.236	0.648	1.57			
10/7/2003	7:56:45	105.2	58.93	2.54	1.215	0.630	1.67			
10/7/2003	7:56:51	111.5	58.93	2.544	1.211	0.629	1.77			
10/7/2003	7:56:58	118.1	58.95	2.536	1.219	0.641	1.88			
10/7/2003	7:57:05	125.1	58.95	2.54	1.215	0.641	2.00			
10/7/2003	7:57:12	132.6	58.93	2.546	1.209	0.638	2.12			
10/7/2003	7:57:20	140.5	58.95	2.54	1.215	0.648	2.25			
10/7/2003	7:57:28	148.9	58.93	2.548	1.207	0.645	2.38			
10/7/2003	7:57:37	157.8	58.93	2.546	1.209	0.651	2.53			
10/7/2003	7:57:47	167.2	58.93	2.537	1.218	0.666	2.70			
10/7/2003	7:57:57	177.2	58.93	2.539	1.216	0.669	2.87			
10/7/2003	7:58:07	187.8	58.93	2.548	1.207	0.665	3.03			
10/7/2003	7:58:18	199	58.93	2.56	1.195	0.659	3.22			
10/7/2003	7:58:30	210.9	58.93	2.558	1.197	0.667	3.42			
10/7/2003	7:58:43	223.5	58.93	2.556	1.199	0.676	3.63			
10/7/2003	7:58:56	236.8	58.93	2.564	1.191	0.675	3.85			
10/7/2003	7:59:10	250.9	58.9	2.572	1.183	0.674	4.08			
10/7/2003	7:59:25	265.8	58.9	2.598	1.157	0.656	4.33			
10/7/2003	7:59:41	281.6	58.9	2.623	1.132	0.639	4.60			
10/7/2003	7:59:58	298.4	58.9	2.627	1.128	0.644	4.88			
10/7/2003	8:00:16	316.2	58.9	2.631	1.124	0.650	5.18			1.82 gpm flow rate
10/7/2003	8:00:34	335	58.88	2.647	1.108	0.643	5.48			
10/7/2003	8:00:54	354.9	58.88	2.663	1.092	0.638	5.82			
10/7/2003	8:01:15	376	58.86	2.661	1.094	0.651	6.17			
10/7/2003	8:01:38	398.4	58.86	2.651	1.104	0.673	6.55			
10/7/2003	8:02:02	422.1	58.86	2.673	1.082	0.663	6.95			
10/7/2003	8:02:27	447.2	58.84	2.685	1.070	0.664	7.37			
10/7/2003	8:02:53	473.8	58.84	2.712	1.043	0.651	7.80			
10/7/2003	8:03:21	502	58.84	2.74	1.015	0.638	8.27			
10/7/2003	8:03:51	531.9	58.84	2.75	1.005	0.643	8.77			
10/7/2003	8:04:21	561.9	58.84	2.758	0.997	0.651	9.27			
10/7/2003	8:04:51	591.9	58.84	2.767	0.988	0.658	9.77			
10/7/2003	8:05:21	621.9	58.84	2.765	0.990	0.676	10.27			
10/7/2003	8:05:51	651.9	58.86	2.767	0.988	0.689	10.77			
10/7/2003	8:06:21	681.9	58.86	2.769	0.986	0.703	11.27			
10/7/2003	8:06:51	711.9	58.86	2.775	0.980	0.713	11.77			
10/7/2003	8:07:21	741.9	58.86	2.781	0.974	0.722	12.27			
10/7/2003	8:07:51	771.9	58.86	2.787	0.968	0.732	12.77			
10/7/2003	8:08:21	801.9	58.86	2.795	0.960	0.740	13.27			
10/7/2003	8:08:51	831.9	58.84	2.799	0.956	0.752	13.77			
10/7/2003	8:09:21	861.9	58.86	2.812	0.943	0.754	14.27			1.76 gpm flow rate
10/7/2003	8:09:51	891.9	58.84	2.824	0.931	0.758	14.77			
10/7/2003	8:10:21	921.9	58.84	2.819	0.936	0.779	15.27			
10/7/2003	8:10:51	951.9	58.81	2.825	0.930	0.788	15.77			
10/7/2003	8:11:21	981.9	58.81	2.829	0.926	0.800	16.27			
10/7/2003	8:11:51	1011.9	58.79	2.835	0.920	0.810	16.77			
10/7/2003	8:12:21	1041.9	58.79	2.841	0.914	0.820	17.27			
10/7/2003	8:12:51	1071.9	58.79	2.843	0.912	0.833	17.77			
10/7/2003	8:13:21	1101.9	58.77	2.847	0.908	0.845	18.27			
10/7/2003	8:13:51	1131.9	58.77	2.849	0.906	0.859	18.77			
10/7/2003	8:14:21	1161.9	58.75	2.855	0.900	0.869	19.27			
10/7/2003	8:14:51	1191.9	58.75	2.861	0.894	0.878	19.77			
10/7/2003	8:15:21	1221.9	58.72	2.865	0.890	0.890	20.27			
10/7/2003	8:15:51	1251.9	58.72	2.873	0.882	0.882	20.77			
10/7/2003	8:16:21	1281.9	58.7	2.869	0.886	0.886	21.27			
10/7/2003	8:16:51	1311.9	58.7	2.867	0.888	0.888	21.77			
10/7/2003	8:17:21	1341.9	58.7	2.869	0.886	0.886	22.27			
10/7/2003	8:17:51	1371.9	58.7	2.867	0.888	0.888	22.77			
10/7/2003	8:18:21	1401.9	58.7	2.865	0.890	0.890	23.27			
10/7/2003	8:18:51	1431.9	58.7	2.863	0.892	0.892	23.77			
10/7/2003	8:19:21	1461.9	58.7	2.869	0.886	0.886	24.27			
10/7/2003	8:19:51	1491.9	58.7	2.877	0.878	0.878	24.77			
10/7/2003	8:20:00	0	58.72	2.879	0.876	0.876	24.92			Start Test 2
10/7/2003	8:20:00	0.3	58.72	2.875	0.880	0.880	24.92			
10/7/2003	8:20:00	0.6	58.75	2.874	0.881	0.881	24.92			
10/7/2003	8:20:00	0.9	58.75	2.872	0.883	0.883	24.92			
10/7/2003	8:20:01	1.2	58.77	2.874	0.881	0.881	24.93			
10/7/2003	8:20:01	1.5	58.77	2.872	0.883	0.883	24.93			
10/7/2003	8:20:01	1.8	58.77	2.87	0.885	0.885	24.93			
10/7/2003	8:20:02	2.1	58.77	2.872	0.883	0.883	24.95			
10/7/2003	8:20:02	2.4	58.77	2.872	0.883	0.883	24.95			
10/7/2003	8:20:02	2.7	58.77	2.874	0.881	0.881	24.95			

Well No. **SEA-604**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Adjusted Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	8:20:03	3	58.77	2.872	0.883	0.883	24.97			
10/7/2003	8:20:03	3.3	58.77	2.87	0.885	0.885	24.97			
10/7/2003	8:20:03	3.6	58.79	2.874	0.881	0.881	24.97			
10/7/2003	8:20:03	3.9	58.79	2.874	0.881	0.881	24.97			
10/7/2003	8:20:04	4.2	58.79	2.87	0.885	0.885	24.98			
10/7/2003	8:20:04	4.5	58.79	2.872	0.883	0.883	24.98			
10/7/2003	8:20:04	4.8	58.79	2.876	0.879	0.879	24.98			
10/7/2003	8:20:05	5.1	58.79	2.872	0.883	0.883	25.00			
10/7/2003	8:20:05	5.4	58.79	2.872	0.883	0.883	25.00			
10/7/2003	8:20:05	5.7	58.79	2.872	0.883	0.883	25.00			
10/7/2003	8:20:06	6	58.79	2.872	0.883	0.883	25.02			
10/7/2003	8:20:06	6.4	58.79	2.874	0.881	0.881	25.02			
10/7/2003	8:20:06	6.7	58.79	2.876	0.879	0.879	25.02			
10/7/2003	8:20:07	7.1	58.79	2.874	0.881	0.881	25.03	0.00		Pump Stop
10/7/2003	8:20:07	7.5	58.79	2.972	0.783	0.783	25.03	0.00		
10/7/2003	8:20:08	8	58.81	2.964	0.791	0.791	25.05	0.02	1503.00	
10/7/2003	8:20:08	8.4	58.81	3.033	0.722	0.722	25.05	0.02	1503.00	
10/7/2003	8:20:08	8.9	58.81	3.1	0.655	0.655	25.05	0.02	1503.00	
10/7/2003	8:20:09	9.5	58.81	3.167	0.588	0.588	25.07	0.03	752.00	
10/7/2003	8:20:10	10	58.79	3.232	0.523	0.523	25.08	0.05	501.67	
10/7/2003	8:20:10	10.6	58.79	3.291	0.464	0.464	25.08	0.05	501.67	
10/7/2003	8:20:11	11.3	58.79	3.346	0.409	0.409	25.10	0.07	376.50	
10/7/2003	8:20:11	11.9	58.79	3.399	0.356	0.356	25.10	0.07	376.50	
10/7/2003	8:20:12	12.6	58.79	3.45	0.305	0.305	25.12	0.08	301.40	
10/7/2003	8:20:13	13.4	58.79	3.495	0.260	0.260	25.13	0.10	251.33	
10/7/2003	8:20:14	14.2	58.79	3.534	0.221	0.221	25.15	0.12	215.57	
10/7/2003	8:20:15	15	58.77	3.568	0.187	0.187	25.17	0.13	188.75	
10/7/2003	8:20:15	15.9	58.77	3.6	0.155	0.155	25.17	0.13	188.75	
10/7/2003	8:20:16	16.8	58.77	3.627	0.128	0.128	25.18	0.15	167.89	
10/7/2003	8:20:17	17.8	58.77	3.649	0.106	0.106	25.20	0.17	151.20	
10/7/2003	8:20:18	18.9	58.77	3.668	0.087	0.087	25.22	0.18	137.55	
10/7/2003	8:20:20	20	58.77	3.684	0.071	0.071	25.25	0.22	116.54	
10/7/2003	8:20:21	21.2	58.75	3.698	0.057	0.057	25.27	0.23	108.29	
10/7/2003	8:20:22	22.4	58.75	3.71	0.045	0.045	25.28	0.25	101.13	
10/7/2003	8:20:23	23.8	58.75	3.718	0.037	0.037	25.30	0.27	94.88	
10/7/2003	8:20:25	25.2	58.75	3.726	0.029	0.029	25.33	0.30	84.44	
10/7/2003	8:20:26	26.7	58.72	3.732	0.023	0.023	25.35	0.32	80.05	
10/7/2003	8:20:28	28.2	58.72	3.738	0.017	0.017	25.38	0.35	72.52	
10/7/2003	8:20:29	29.8	58.72	3.74	0.015	0.015	25.40	0.37	69.27	
10/7/2003	8:20:31	31.5	58.7	3.742	0.013	0.013	25.43	0.40	63.58	
10/7/2003	8:20:33	33.3	58.7	3.744	0.011	0.011	25.47	0.43	58.77	
10/7/2003	8:20:35	35.2	58.68	3.744	0.011	0.011	25.50	0.47	54.64	
10/7/2003	8:20:37	37.3	58.68	3.746	0.009	0.009	25.53	0.50	51.07	
10/7/2003	8:20:39	39.5	58.66	3.748	0.007	0.007	25.57	0.53	47.94	
10/7/2003	8:20:41	41.8	58.63	3.748	0.007	0.007	25.60	0.57	45.18	
10/7/2003	8:20:44	44.3	58.63	3.748	0.007	0.007	25.65	0.62	41.59	
10/7/2003	8:20:46	46.9	58.61	3.751	0.004	0.004	25.68	0.65	39.51	
10/7/2003	8:20:49	49.7	58.59	3.751	0.004	0.004	25.73	0.70	36.76	
10/7/2003	8:20:52	52.6	58.59	3.751	0.004	0.004	25.78	0.75	34.38	
10/7/2003	8:20:55	55.7	58.56	3.751	0.004	0.004	25.83	0.80	32.29	
10/7/2003	8:20:59	59	58.54	3.749	0.006	0.006	25.90	0.87	29.88	
10/7/2003	8:21:02	62.5	58.54	3.751	0.004	0.004	25.95	0.92	28.31	
10/7/2003	8:21:06	66.2	58.52	3.751	0.004	0.004	26.02	0.98	26.46	
10/7/2003	8:21:10	70.1	58.5	3.752	0.003	0.003	26.08	1.05	24.84	
10/7/2003	8:21:14	74.3	58.5	3.752	0.003	0.003	26.15	1.12	23.42	
10/7/2003	8:21:18	78.7	58.47	3.752	0.003	0.003	26.22	1.18	22.15	
10/7/2003	8:21:23	83.4	58.45	3.752	0.003	0.003	26.30	1.27	20.76	
10/7/2003	8:21:28	88.4	58.45	3.752	0.003	0.003	26.38	1.35	19.54	
10/7/2003	8:21:33	93.7	58.43	3.752	0.003	0.003	26.47	1.43	18.47	
10/7/2003	8:21:39	99.3	58.41	3.752	0.003	0.003	26.57	1.53	17.33	
10/7/2003	8:21:45	105.2	58.41	3.752	0.003	0.003	26.67	1.63	16.33	
10/7/2003	8:21:51	111.5	58.38	3.753	0.002	0.002	26.77	1.73	15.44	
10/7/2003	8:21:58	118.1	58.36	3.753	0.002	0.002	26.88	1.85	14.53	
10/7/2003	8:22:05	125.1	58.36	3.753	0.002	0.002	27.00	1.97	13.73	
10/7/2003	8:22:12	132.6	58.34	3.753	0.002	0.002	27.12	2.08	13.02	
10/7/2003	8:22:20	140.5	58.32	3.753	0.002	0.002	27.25	2.22	12.29	
10/7/2003	8:22:28	148.9	58.29	3.754	0.001	0.001	27.38	2.35	11.65	
10/7/2003	8:22:37	157.8	58.27	3.754	0.001	0.001	27.53	2.50	11.01	
10/7/2003	8:22:47	167.2	58.25	3.754	0.001	0.001	27.70	2.67	10.39	
10/7/2003	8:22:57	177.2	58.2	3.754	0.001	0.001	27.87	2.83	9.84	
10/7/2003	8:23:07	187.8	58.18	3.755	0.000	0.000	28.03	3.00	9.34	
10/7/2003	8:23:19	199	58.13	3.755	0.000	0.000	28.23	3.20	8.82	
10/7/2003	8:23:30	210.9	58.11	3.755	0.000	0.000	28.42	3.38	8.40	

Well No. **SEA-604**

Date	Time	Test Time Elapsed Sec	Temp- erature oF	Depth Below SWL Ft	Draw- down Ft	Adjusted Draw- down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	8:23:43	223.5	58.09	3.756	-0.001	-0.001	28.63	3.60	7.95	
10/7/2003	8:23:56	236.8	58.09	3.756	-0.001	-0.001	28.85	3.82	7.56	
10/7/2003	8:24:10	250.9	58.09	3.756	-0.001	-0.001	29.08	4.05	7.18	
10/7/2003	8:24:25	265.8	58.11	3.755	0.000	0.000	29.33	4.30	6.82	

DTW = 10.81 at 8:32

Pump and Recovery Tests - Summary
Peterson/Puritan OU2
October 2003

Well No.

SEA-605

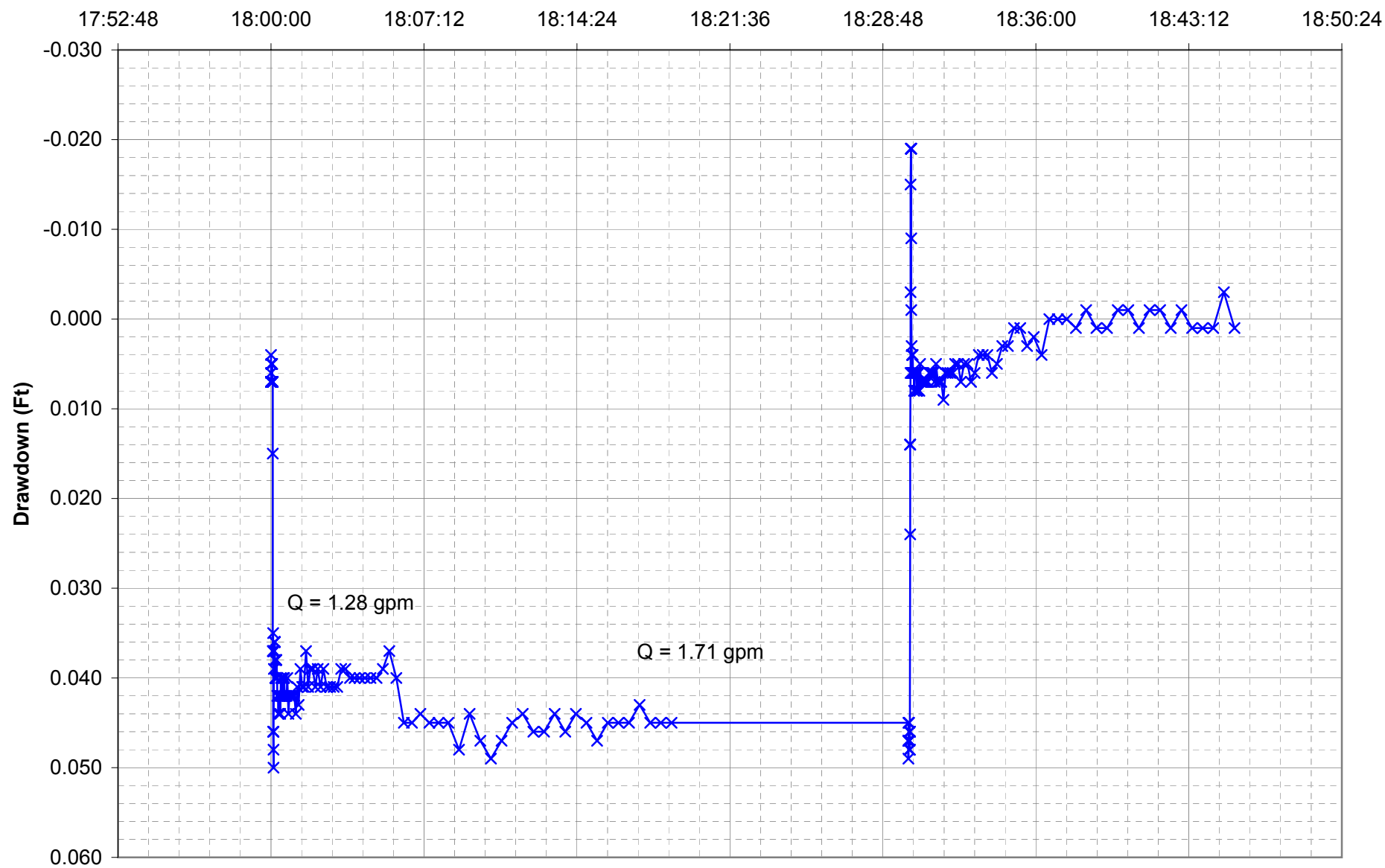
Equipment: In-Situ Inc. MiniTroll Pro
Test start date and time 10/6/2003 18:00:00
Test end date and time 10/6/2003 18:45:21
Period of pumping 30 minutes

Static depth to water 11.03 feet below top of casing
Starting transducer depth 5.838 feet below static water level
Total well depth 23.2 feet below top of casing
Depth to top of screen 13.0 feet below top of casing
Height of interval tested [b] 10.0 feet

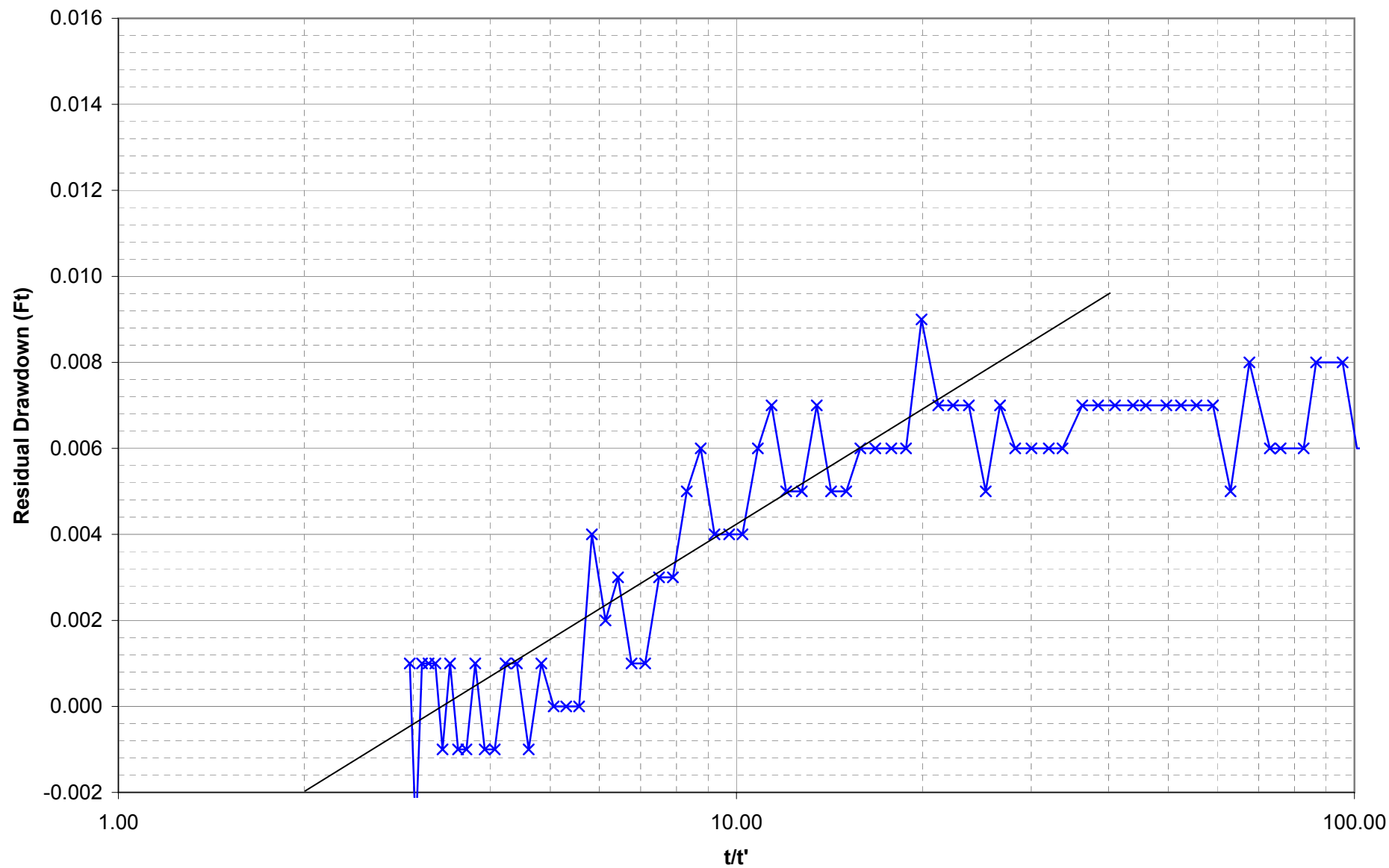
Average pumping rate [Q] 1.61 gpm, or 310 cfd
Average drawdown [s] 0.043 ft
Specific capacity [Q/s] 37.4 gpm/ft

Residual drawdown over one log cycle [Δs] 0.009 feet
Transmissivity [$T = (2.3Q)/(4\pi\Delta s)$] 6,302 cfd/ft
Hydraulic conductivity [$K = T/b$] 630 fpd, or 2.2E-01 cm/sec

Drawdown Over Time - SEA-605



Recovery Plot - SEA-605



Pump and Recovery Tests - Data
Peterson/Puritan OU2
October 2003

Well No. **SEA-605**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/6/2003	17:40:00								DTW = 11.03 at 17:40
10/6/2003	18:00:00	0	52.2	5.834	0.004				Start Test 1
10/6/2003	18:00:00	0.3	52.22	5.832	0.006				
10/6/2003	18:00:00	0.6	52.24	5.831	0.007				
10/6/2003	18:00:00	0.9	52.24	5.831	0.007				
10/6/2003	18:00:01	1.2	52.24	5.831	0.007				
10/6/2003	18:00:01	1.5	52.24	5.833	0.005				
10/6/2003	18:00:01	1.8	52.27	5.831	0.007				
10/6/2003	18:00:02	2.1	52.27	5.831	0.007				
10/6/2003	18:00:02	2.4	52.27	5.831	0.007				
10/6/2003	18:00:02	2.7	52.27	5.831	0.007				
10/6/2003	18:00:03	3	52.27	5.831	0.007				
10/6/2003	18:00:03	3.3	52.27	5.833	0.005				
10/6/2003	18:00:03	3.6	52.27	5.833	0.005				
10/6/2003	18:00:03	3.9	52.27	5.831	0.007				
10/6/2003	18:00:04	4.2	52.27	5.831	0.007				
10/6/2003	18:00:04	4.5	52.27	5.831	0.007				
10/6/2003	18:00:04	4.8	52.29	5.831	0.007				
10/6/2003	18:00:05	5.1	52.27	5.831	0.007	0.00			Pump Start
10/6/2003	18:00:05	5.4	52.29	5.823	0.015	0.00			
10/6/2003	18:00:05	5.7	52.29	5.801	0.037	0.00			
10/6/2003	18:00:06	6	52.29	5.803	0.035	0.02			
10/6/2003	18:00:06	6.4	52.29	5.801	0.037	0.02			
10/6/2003	18:00:06	6.7	52.29	5.792	0.046	0.02			
10/6/2003	18:00:07	7.1	52.29	5.788	0.050	0.03			
10/6/2003	18:00:07	7.5	52.29	5.79	0.048	0.03			
10/6/2003	18:00:07	8	52.29	5.792	0.046	0.03			
10/6/2003	18:00:08	8.4	52.29	5.799	0.039	0.05			
10/6/2003	18:00:08	8.9	52.29	5.801	0.037	0.05			
10/6/2003	18:00:09	9.5	52.29	5.801	0.037	0.07			
10/6/2003	18:00:10	10	52.27	5.802	0.036	0.08			
10/6/2003	18:00:10	10.6	52.27	5.802	0.036	0.08			
10/6/2003	18:00:11	11.3	52.27	5.802	0.036	0.10			
10/6/2003	18:00:11	11.9	52.27	5.8	0.038	0.10			
10/6/2003	18:00:12	12.6	52.27	5.798	0.040	0.12			
10/6/2003	18:00:13	13.4	52.27	5.798	0.040	0.13			
10/6/2003	18:00:14	14.2	52.24	5.8	0.038	0.15			
10/6/2003	18:00:15	15	52.24	5.798	0.040	0.17			
10/6/2003	18:00:15	15.9	52.24	5.8	0.038	0.17			
10/6/2003	18:00:16	16.8	52.24	5.798	0.040	0.18			
10/6/2003	18:00:17	17.8	52.24	5.798	0.040	0.20			
10/6/2003	18:00:18	18.9	52.24	5.796	0.042	0.22			
10/6/2003	18:00:20	20	52.24	5.796	0.042	0.25			
10/6/2003	18:00:21	21.2	52.22	5.794	0.044	0.27			
10/6/2003	18:00:22	22.4	52.22	5.796	0.042	0.28			
10/6/2003	18:00:23	23.8	52.22	5.796	0.042	0.30			
10/6/2003	18:00:25	25.2	52.22	5.796	0.042	0.33			
10/6/2003	18:00:26	26.7	52.22	5.794	0.044	0.35			
10/6/2003	18:00:28	28.2	52.22	5.798	0.040	0.38			
10/6/2003	18:00:29	29.8	52.22	5.796	0.042	0.40			
10/6/2003	18:00:31	31.5	52.22	5.796	0.042	0.43			
10/6/2003	18:00:33	33.3	52.22	5.796	0.042	0.47			
10/6/2003	18:00:35	35.2	52.22	5.798	0.040	0.50			
10/6/2003	18:00:37	37.3	52.22	5.798	0.040	0.53			
10/6/2003	18:00:39	39.5	52.2	5.796	0.042	0.57			
10/6/2003	18:00:41	41.8	52.2	5.796	0.042	0.60			
10/6/2003	18:00:44	44.3	52.2	5.796	0.042	0.65			
10/6/2003	18:00:46	46.9	52.2	5.798	0.040	0.68			
10/6/2003	18:00:49	49.7	52.2	5.794	0.044	0.73			
10/6/2003	18:00:52	52.6	52.2	5.796	0.042	0.78			
10/6/2003	18:00:55	55.7	52.2	5.796	0.042	0.83			
10/6/2003	18:00:58	59	52.2	5.796	0.042	0.88			
10/6/2003	18:01:02	62.5	52.2	5.796	0.042	0.95			
10/6/2003	18:01:06	66.2	52.2	5.796	0.042	1.02			
10/6/2003	18:01:10	70.1	52.2	5.794	0.044	1.08			

Well No.

SEA-605

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/6/2003	18:01:14	74.3	52.18	5.797	0.041	1.15			
10/6/2003	18:01:18	78.7	52.18	5.795	0.043	1.22			
10/6/2003	18:01:23	83.4	52.18	5.799	0.039	1.30			
10/6/2003	18:01:28	88.4	52.18	5.797	0.041	1.38			
10/6/2003	18:01:33	93.7	52.18	5.797	0.041	1.47			
10/6/2003	18:01:39	99.3	52.18	5.801	0.037	1.57			
10/6/2003	18:01:45	105.2	52.18	5.797	0.041	1.67			
10/6/2003	18:01:51	111.5	52.18	5.799	0.039	1.77			
10/6/2003	18:01:58	118.1	52.18	5.799	0.039	1.88			
10/6/2003	18:02:05	125.1	52.18	5.797	0.041	2.00			
10/6/2003	18:02:12	132.6	52.18	5.799	0.039	2.12			
10/6/2003	18:02:20	140.5	52.18	5.797	0.041	2.25			
10/6/2003	18:02:28	148.9	52.18	5.799	0.039	2.38			
10/6/2003	18:02:37	157.8	52.18	5.797	0.041	2.53			
10/6/2003	18:02:47	167.2	52.18	5.797	0.041	2.70			
10/6/2003	18:02:57	177.2	52.18	5.797	0.041	2.87			
10/6/2003	18:03:07	187.8	52.18	5.797	0.041	3.03			1.40 gpm flow rate
10/6/2003	18:03:18	199	52.18	5.799	0.039	3.22			
10/6/2003	18:03:30	210.9	52.18	5.799	0.039	3.42			
10/6/2003	18:03:43	223.5	52.2	5.798	0.040	3.63			
10/6/2003	18:03:56	236.8	52.2	5.798	0.040	3.85			
10/6/2003	18:04:10	250.9	52.2	5.798	0.040	4.08			
10/6/2003	18:04:25	265.8	52.22	5.798	0.040	4.33			
10/6/2003	18:04:41	281.6	52.24	5.798	0.040	4.60			
10/6/2003	18:04:58	298.4	52.27	5.798	0.040	4.88			
10/6/2003	18:05:16	316.2	52.29	5.799	0.039	5.18			
10/6/2003	18:05:34	335	52.36	5.801	0.037	5.48			
10/6/2003	18:05:54	354.9	52.43	5.798	0.040	5.82			
10/6/2003	18:06:15	376	52.49	5.793	0.045	6.17			
10/6/2003	18:06:38	398.4	52.56	5.793	0.045	6.55			
10/6/2003	18:07:02	422.1	52.63	5.794	0.044	6.95			
10/6/2003	18:07:27	447.2	52.7	5.793	0.045	7.37			
10/6/2003	18:07:53	473.8	52.74	5.793	0.045	7.80			
10/6/2003	18:08:21	502	52.79	5.793	0.045	8.27			
10/6/2003	18:08:51	531.9	52.83	5.79	0.048	8.77			
10/6/2003	18:09:21	561.9	52.88	5.794	0.044	9.27			1.71 gpm flow rate
10/6/2003	18:09:51	591.9	52.9	5.791	0.047	9.77			
10/6/2003	18:10:21	621.9	52.92	5.789	0.049	10.27			
10/6/2003	18:10:51	651.9	52.97	5.791	0.047	10.77			
10/6/2003	18:11:21	681.9	52.99	5.793	0.045	11.27			
10/6/2003	18:11:51	711.9	53.04	5.794	0.044	11.77			
10/6/2003	18:12:21	741.9	53.06	5.792	0.046	12.27			
10/6/2003	18:12:51	771.9	53.06	5.792	0.046	12.77			
10/6/2003	18:13:21	801.9	53.08	5.794	0.044	13.27			
10/6/2003	18:13:51	831.9	53.08	5.792	0.046	13.77			
10/6/2003	18:14:21	861.9	53.08	5.794	0.044	14.27			
10/6/2003	18:14:51	891.9	53.11	5.793	0.045	14.77			
10/6/2003	18:15:21	921.9	53.11	5.791	0.047	15.27			
10/6/2003	18:15:51	951.9	53.11	5.793	0.045	15.77			
10/6/2003	18:16:21	981.9	53.13	5.793	0.045	16.27			1.71 gpm flow rate
10/6/2003	18:16:51	1011.9	53.15	5.793	0.045	16.77			
10/6/2003	18:17:21	1041.9	53.15	5.795	0.043	17.27			
10/6/2003	18:17:51	1071.9	53.15	5.793	0.045	17.77			
10/6/2003	18:18:21	1101.9	53.15	5.793	0.045	18.27			
10/6/2003	18:18:51	1131.9	53.13	5.793	0.045	18.77			
10/6/2003	18:30:00	0	53.13	5.793	0.045	29.92			Start Test 2
10/6/2003	18:30:00	0.3	53.15	5.789	0.049	29.92			
10/6/2003	18:30:00	0.6	53.17	5.791	0.047	29.92			
10/6/2003	18:30:00	0.9	53.17	5.791	0.047	29.92			
10/6/2003	18:30:01	1.2	53.17	5.791	0.047	29.93			
10/6/2003	18:30:01	1.5	53.2	5.791	0.047	29.93			
10/6/2003	18:30:01	1.8	53.2	5.791	0.047	29.93			
10/6/2003	18:30:02	2.1	53.2	5.791	0.047	29.95			
10/6/2003	18:30:02	2.4	53.2	5.793	0.045	29.95			
10/6/2003	18:30:02	2.7	53.2	5.791	0.047	29.95			
10/6/2003	18:30:03	3	53.2	5.791	0.047	29.97			
10/6/2003	18:30:03	3.3	53.22	5.79	0.048	29.97			
10/6/2003	18:30:03	3.6	53.22	5.79	0.048	29.97			
10/6/2003	18:30:03	3.9	53.22	5.792	0.046	29.97			

Well No.

SEA-605

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/6/2003	18:30:04	4.2	53.22	5.79	0.048	29.98			
10/6/2003	18:30:04	4.5	53.22	5.792	0.046	29.98			
10/6/2003	18:30:04	4.8	53.22	5.792	0.046	29.98	0.00		Pump Stop
10/6/2003	18:30:05	5.1	53.22	5.814	0.024	30.00	0.02	1800.00	
10/6/2003	18:30:05	5.4	53.22	5.824	0.014	30.00	0.02	1800.00	
10/6/2003	18:30:05	5.7	53.22	5.824	0.014	30.00	0.02	1800.00	
10/6/2003	18:30:06	6	53.22	5.832	0.006	30.02	0.03	900.50	
10/6/2003	18:30:06	6.4	53.22	5.841	-0.003	30.02	0.03	900.50	
10/6/2003	18:30:06	6.7	53.22	5.853	-0.015	30.02	0.03	900.50	
10/6/2003	18:30:07	7.1	53.22	5.857	-0.019	30.03	0.05	600.67	
10/6/2003	18:30:07	7.5	53.22	5.857	-0.019	30.03	0.05	600.67	
10/6/2003	18:30:08	8	53.22	5.857	-0.019	30.05	0.07	450.75	
10/6/2003	18:30:08	8.4	53.22	5.847	-0.009	30.05	0.07	450.75	
10/6/2003	18:30:08	8.9	53.24	5.839	-0.001	30.05	0.07	450.75	
10/6/2003	18:30:09	9.5	53.24	5.835	0.003	30.07	0.08	360.80	
10/6/2003	18:30:10	10	53.22	5.834	0.004	30.08	0.10	300.83	
10/6/2003	18:30:10	10.6	53.22	5.832	0.006	30.08	0.10	300.83	
10/6/2003	18:30:11	11.3	53.22	5.832	0.006	30.10	0.12	258.00	
10/6/2003	18:30:11	11.9	53.2	5.832	0.006	30.10	0.12	258.00	
10/6/2003	18:30:12	12.6	53.2	5.834	0.004	30.12	0.13	225.87	
10/6/2003	18:30:13	13.4	53.2	5.832	0.006	30.13	0.15	200.89	
10/6/2003	18:30:14	14.2	53.2	5.832	0.006	30.15	0.17	180.90	
10/6/2003	18:30:15	15	53.2	5.832	0.006	30.17	0.18	164.55	
10/6/2003	18:30:15	15.9	53.2	5.832	0.006	30.17	0.18	164.55	
10/6/2003	18:30:16	16.8	53.2	5.83	0.008	30.18	0.20	150.92	
10/6/2003	18:30:17	17.8	53.2	5.832	0.006	30.20	0.22	139.38	
10/6/2003	18:30:18	18.9	53.2	5.832	0.006	30.22	0.23	129.50	
10/6/2003	18:30:20	20	53.17	5.832	0.006	30.25	0.27	113.44	
10/6/2003	18:30:21	21.2	53.17	5.832	0.006	30.27	0.28	106.82	
10/6/2003	18:30:22	22.4	53.17	5.832	0.006	30.28	0.30	100.94	
10/6/2003	18:30:23	23.8	53.17	5.83	0.008	30.30	0.32	95.68	
10/6/2003	18:30:25	25.2	53.17	5.83	0.008	30.33	0.35	86.67	
10/6/2003	18:30:26	26.7	53.17	5.832	0.006	30.35	0.37	82.77	
10/6/2003	18:30:28	28.2	53.15	5.832	0.006	30.38	0.40	75.96	
10/6/2003	18:30:29	29.8	53.15	5.832	0.006	30.40	0.42	72.96	
10/6/2003	18:30:31	31.5	53.15	5.83	0.008	30.43	0.45	67.63	
10/6/2003	18:30:33	33.3	53.13	5.833	0.005	30.47	0.48	63.03	
10/6/2003	18:30:35	35.2	53.13	5.831	0.007	30.50	0.52	59.03	
10/6/2003	18:30:37	37.3	53.13	5.831	0.007	30.53	0.55	55.52	
10/6/2003	18:30:39	39.5	53.11	5.831	0.007	30.57	0.58	52.40	
10/6/2003	18:30:41	41.8	53.11	5.831	0.007	30.60	0.62	49.62	
10/6/2003	18:30:44	44.3	53.08	5.831	0.007	30.65	0.67	45.98	
10/6/2003	18:30:46	46.9	53.08	5.831	0.007	30.68	0.70	43.83	
10/6/2003	18:30:49	49.7	53.06	5.831	0.007	30.73	0.75	40.98	
10/6/2003	18:30:52	52.6	53.04	5.831	0.007	30.78	0.80	38.48	
10/6/2003	18:30:55	55.7	53.04	5.831	0.007	30.83	0.85	36.27	
10/6/2003	18:30:59	59	53.02	5.832	0.006	30.90	0.92	33.71	
10/6/2003	18:31:02	62.5	52.99	5.832	0.006	30.95	0.97	32.02	
10/6/2003	18:31:06	66.2	52.97	5.832	0.006	31.02	1.03	30.02	
10/6/2003	18:31:10	70.1	52.95	5.832	0.006	31.08	1.10	28.26	
10/6/2003	18:31:14	74.3	52.92	5.831	0.007	31.15	1.17	26.70	
10/6/2003	18:31:18	78.7	52.92	5.833	0.005	31.22	1.23	25.31	
10/6/2003	18:31:23	83.4	52.9	5.831	0.007	31.30	1.32	23.77	
10/6/2003	18:31:28	88.4	52.88	5.831	0.007	31.38	1.40	22.42	
10/6/2003	18:31:33	93.7	52.86	5.831	0.007	31.47	1.48	21.21	
10/6/2003	18:31:39	99.3	52.83	5.829	0.009	31.57	1.58	19.94	
10/6/2003	18:31:45	105.2	52.81	5.832	0.006	31.67	1.68	18.81	
10/6/2003	18:31:51	111.5	52.79	5.832	0.006	31.77	1.78	17.81	
10/6/2003	18:31:58	118.1	52.77	5.832	0.006	31.88	1.90	16.78	
10/6/2003	18:32:05	125.1	52.74	5.832	0.006	32.00	2.02	15.87	
10/6/2003	18:32:12	132.6	52.72	5.833	0.005	32.12	2.13	15.05	
10/6/2003	18:32:20	140.5	52.7	5.833	0.005	32.25	2.27	14.23	
10/6/2003	18:32:28	148.9	52.7	5.831	0.007	32.38	2.40	13.49	
10/6/2003	18:32:37	157.8	52.68	5.833	0.005	32.53	2.55	12.76	
10/6/2003	18:32:47	167.2	52.65	5.833	0.005	32.70	2.72	12.04	
10/6/2003	18:32:57	177.2	52.63	5.831	0.007	32.87	2.88	11.40	
10/6/2003	18:33:07	187.8	52.61	5.832	0.006	33.03	3.05	10.83	
10/6/2003	18:33:19	199	52.58	5.834	0.004	33.23	3.25	10.23	
10/6/2003	18:33:30	210.9	52.56	5.834	0.004	33.42	3.43	9.73	

Well No. **SEA-605**

Date	Time	Test Time Elapsed Sec	Temp- erature oF	Depth Below SWL Ft	Draw- down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/6/2003	18:33:43	223.5	52.54	5.834	0.004	33.63	3.65	9.21	
10/6/2003	18:33:56	236.8	52.54	5.832	0.006	33.85	3.87	8.75	
10/6/2003	18:34:10	250.9	52.52	5.833	0.005	34.08	4.10	8.31	
10/6/2003	18:34:25	265.8	52.49	5.835	0.003	34.33	4.35	7.89	
10/6/2003	18:34:41	281.6	52.47	5.835	0.003	34.60	4.62	7.49	
10/6/2003	18:34:58	298.4	52.45	5.837	0.001	34.88	4.90	7.12	
10/6/2003	18:35:16	316.2	52.43	5.837	0.001	35.18	5.20	6.77	
10/6/2003	18:35:35	335	52.43	5.835	0.003	35.50	5.52	6.44	
10/6/2003	18:35:54	354.9	52.4	5.836	0.002	35.82	5.83	6.14	
10/6/2003	18:36:16	376	52.38	5.834	0.004	36.18	6.20	5.84	
10/6/2003	18:36:38	398.4	52.36	5.838	0.000	36.55	6.57	5.57	
10/6/2003	18:37:02	422.1	52.36	5.838	0.000	36.95	6.97	5.30	
10/6/2003	18:37:27	447.2	52.34	5.838	0.000	37.37	7.38	5.06	
10/6/2003	18:37:53	473.8	52.31	5.837	0.001	37.80	7.82	4.84	
10/6/2003	18:38:22	502	52.31	5.839	-0.001	38.28	8.30	4.61	
10/6/2003	18:38:51	531.9	52.29	5.837	0.001	38.77	8.78	4.41	
10/6/2003	18:39:21	561.9	52.27	5.837	0.001	39.27	9.28	4.23	
10/6/2003	18:39:51	591.9	52.27	5.839	-0.001	39.77	9.78	4.06	
10/6/2003	18:40:21	621.9	52.27	5.839	-0.001	40.27	10.28	3.92	
10/6/2003	18:40:51	651.9	52.27	5.837	0.001	40.77	10.78	3.78	
10/6/2003	18:41:21	681.9	52.27	5.839	-0.001	41.27	11.28	3.66	
10/6/2003	18:41:51	711.9	52.27	5.839	-0.001	41.77	11.78	3.54	
10/6/2003	18:42:21	741.9	52.27	5.837	0.001	42.27	12.28	3.44	
10/6/2003	18:42:51	771.9	52.24	5.839	-0.001	42.77	12.78	3.35	
10/6/2003	18:43:21	801.9	52.24	5.837	0.001	43.27	13.28	3.26	
10/6/2003	18:43:51	831.9	52.24	5.837	0.001	43.77	13.78	3.18	
10/6/2003	18:44:21	861.9	52.24	5.837	0.001	44.27	14.28	3.10	
10/6/2003	18:44:51	891.9	52.24	5.841	-0.003	44.77	14.78	3.03	
10/6/2003	18:45:21	921.9	52.22	5.837	0.001	45.27	15.28	2.96	

Pump and Recovery Tests - Summary
Peterson/Puritan OU2
October 2003

Well No.

SEA-606

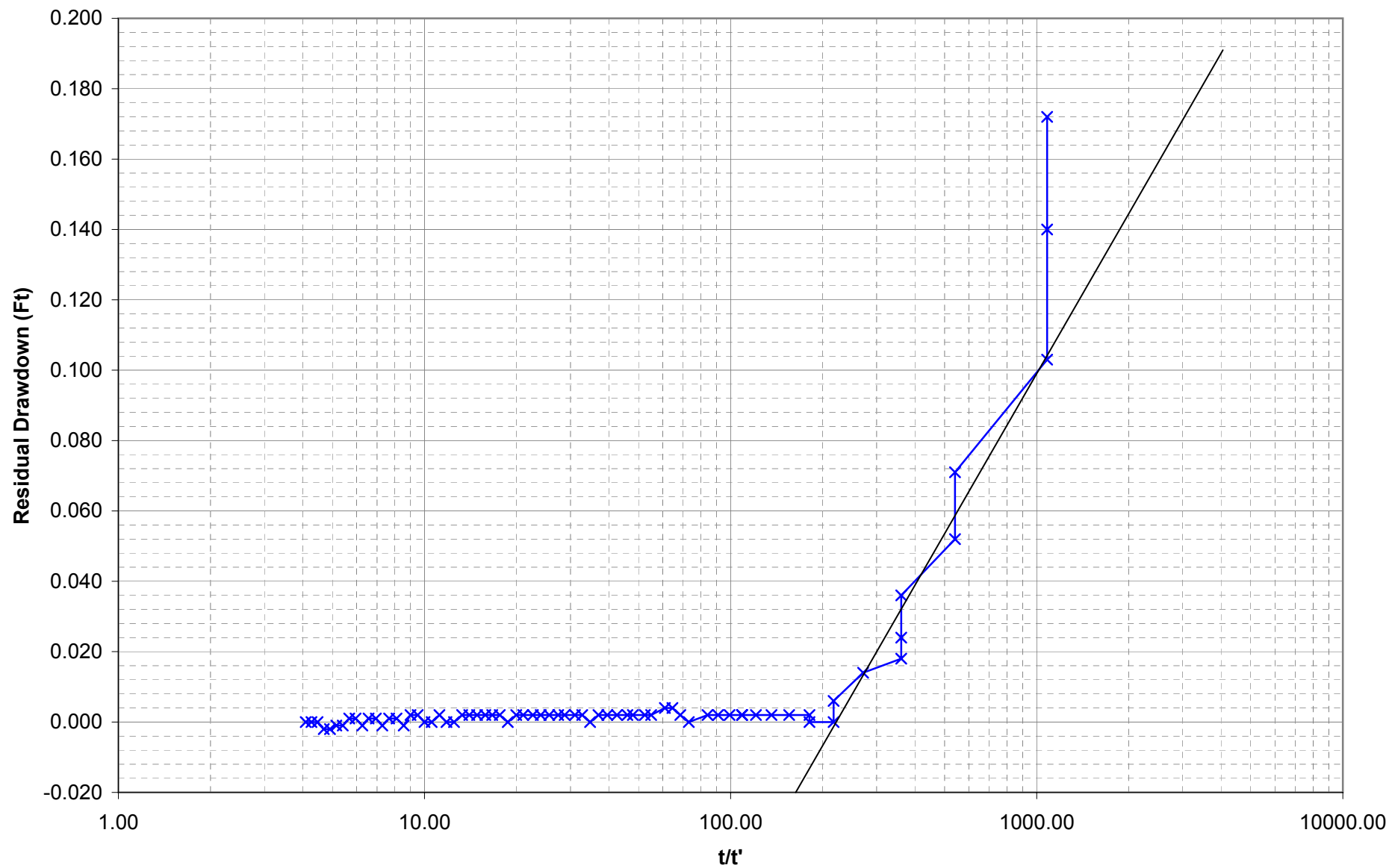
Equipment: In-Situ Inc. MiniTroll Pro
Test start date and time 10/7/2003 16:57:00
Test end date and time 10/7/2003 17:20:54
Period of pumping 18 minutes

Static depth to water 12.07 feet below top of casing
Starting transducer depth 2.570 feet below static water level
Total well depth 23.2 feet below top of casing
Depth to top of screen 13.0 feet below top of casing
Height of interval tested [b] 10.0 feet

Average pumping rate [Q] 1.79 gpm, or 345 cfd
Average drawdown [s] 0.22 ft
Specific capacity [Q/s] 8.14 gpm/ft

Residual drawdown over one log cycle [Δs] 0.152 feet
Transmissivity [$T = (2.3Q)/(4\pi\Delta s)$] 414.9 cfd/ft
Hydraulic conductivity [$K = T/b$] 41.5 fpd, or 1.5E-02 cm/sec

Recovery Plot - SEA-606



Pump and Recovery Tests - Data
Peterson/Puritan OU2
October 2003

Well No. **SEA-606**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	16:37:00								DTW = 12.07 at 16:37
10/7/2003	16:57:00	0	55.51	2.546	0.024				Start Test 1
10/7/2003	16:57:00	0.3	55.51	2.544	0.026				
10/7/2003	16:57:00	0.6	55.53	2.542	0.028				
10/7/2003	16:57:00	0.9	55.53	2.542	0.028				
10/7/2003	16:57:01	1.2	55.55	2.542	0.028				
10/7/2003	16:57:01	1.5	55.55	2.542	0.028				
10/7/2003	16:57:01	1.8	55.55	2.542	0.028				
10/7/2003	16:57:02	2.1	55.55	2.542	0.028				
10/7/2003	16:57:02	2.4	55.55	2.542	0.028				
10/7/2003	16:57:02	2.7	55.55	2.542	0.028				
10/7/2003	16:57:03	3	55.55	2.542	0.028				
10/7/2003	16:57:03	3.3	55.55	2.542	0.028				
10/7/2003	16:57:03	3.6	55.55	2.542	0.028				
10/7/2003	16:57:03	3.9	55.55	2.54	0.030				
10/7/2003	16:57:04	4.2	55.55	2.542	0.028				
10/7/2003	16:57:04	4.5	55.55	2.542	0.028				
10/7/2003	16:57:04	4.8	55.55	2.542	0.028				
10/7/2003	16:57:05	5.1	55.55	2.542	0.028	0.00			Pump Start
10/7/2003	16:57:05	5.4	55.55	2.475	0.095	0.00			
10/7/2003	16:57:05	5.7	55.55	2.487	0.083	0.00			
10/7/2003	16:57:06	6	55.55	2.463	0.107	0.02			
10/7/2003	16:57:06	6.4	55.55	2.416	0.154	0.02			
10/7/2003	16:57:06	6.7	55.55	2.382	0.188	0.02			
10/7/2003	16:57:07	7.1	55.55	2.361	0.209	0.03			
10/7/2003	16:57:07	7.5	55.53	2.355	0.215	0.03			
10/7/2003	16:57:07	8	55.55	2.351	0.219	0.03			
10/7/2003	16:57:08	8.4	55.53	2.353	0.217	0.05			
10/7/2003	16:57:08	8.9	55.53	2.353	0.217	0.05			
10/7/2003	16:57:09	9.5	55.53	2.351	0.219	0.07			
10/7/2003	16:57:10	10	55.53	2.355	0.215	0.08			
10/7/2003	16:57:10	10.6	55.51	2.355	0.215	0.08			
10/7/2003	16:57:11	11.3	55.51	2.355	0.215	0.10			
10/7/2003	16:57:11	11.9	55.51	2.353	0.217	0.10			
10/7/2003	16:57:12	12.6	55.48	2.353	0.217	0.12			
10/7/2003	16:57:13	13.4	55.48	2.352	0.218	0.13			
10/7/2003	16:57:14	14.2	55.48	2.35	0.220	0.15			
10/7/2003	16:57:15	15	55.46	2.35	0.220	0.17			
10/7/2003	16:57:15	15.9	55.46	2.35	0.220	0.17			
10/7/2003	16:57:16	16.8	55.46	2.348	0.222	0.18			
10/7/2003	16:57:17	17.8	55.44	2.348	0.222	0.20			
10/7/2003	16:57:18	18.9	55.44	2.348	0.222	0.22			
10/7/2003	16:57:20	20	55.44	2.348	0.222	0.25			
10/7/2003	16:57:21	21.2	55.44	2.346	0.224	0.27			
10/7/2003	16:57:22	22.4	55.42	2.348	0.222	0.28			
10/7/2003	16:57:23	23.8	55.42	2.346	0.224	0.30			
10/7/2003	16:57:25	25.2	55.42	2.348	0.222	0.33			
10/7/2003	16:57:26	26.7	55.39	2.346	0.224	0.35			
10/7/2003	16:57:28	28.2	55.39	2.346	0.224	0.38			
10/7/2003	16:57:29	29.8	55.39	2.346	0.224	0.40			
10/7/2003	16:57:31	31.5	55.39	2.346	0.224	0.43			
10/7/2003	16:57:33	33.3	55.37	2.345	0.225	0.47			
10/7/2003	16:57:35	35.2	55.37	2.347	0.223	0.50			
10/7/2003	16:57:37	37.3	55.37	2.343	0.227	0.53			
10/7/2003	16:57:39	39.5	55.35	2.345	0.225	0.57			
10/7/2003	16:57:41	41.8	55.35	2.345	0.225	0.60			
10/7/2003	16:57:44	44.3	55.35	2.347	0.223	0.65			
10/7/2003	16:57:46	46.9	55.35	2.347	0.223	0.68			
10/7/2003	16:57:49	49.7	55.33	2.347	0.223	0.73			
10/7/2003	16:57:52	52.6	55.33	2.347	0.223	0.78			
10/7/2003	16:57:55	55.7	55.33	2.349	0.221	0.83			
10/7/2003	16:57:58	59	55.33	2.347	0.223	0.88			
10/7/2003	16:58:02	62.5	55.33	2.347	0.223	0.95			
10/7/2003	16:58:06	66.2	55.3	2.345	0.225	1.02			
10/7/2003	16:58:10	70.1	55.3	2.349	0.221	1.08			

Well No.

SEA-606

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	16:58:14	74.3	55.3	2.349	0.221	1.15			
10/7/2003	16:58:18	78.7	55.3	2.347	0.223	1.22			
10/7/2003	16:58:23	83.4	55.3	2.347	0.223	1.30			
10/7/2003	16:58:28	88.4	55.3	2.349	0.221	1.38			
10/7/2003	16:58:33	93.7	55.3	2.349	0.221	1.47			
10/7/2003	16:58:39	99.3	55.3	2.347	0.223	1.57			
10/7/2003	16:58:45	105.2	55.33	2.349	0.221	1.67			
10/7/2003	16:58:51	111.5	55.33	2.349	0.221	1.77			
10/7/2003	16:58:58	118.1	55.33	2.349	0.221	1.88			
10/7/2003	16:59:05	125.1	55.33	2.349	0.221	2.00			1.82 gpm flow rate
10/7/2003	16:59:12	132.6	55.33	2.347	0.223	2.12			
10/7/2003	16:59:20	140.5	55.35	2.349	0.221	2.25			
10/7/2003	16:59:28	148.9	55.35	2.347	0.223	2.38			
10/7/2003	16:59:37	157.8	55.37	2.349	0.221	2.53			
10/7/2003	16:59:47	167.2	55.37	2.347	0.223	2.70			
10/7/2003	16:59:57	177.2	55.37	2.349	0.221	2.87			
10/7/2003	17:00:07	187.8	55.39	2.348	0.222	3.03			
10/7/2003	17:00:18	199	55.39	2.348	0.222	3.22			
10/7/2003	17:00:30	210.9	55.42	2.348	0.222	3.42			
10/7/2003	17:00:43	223.5	55.44	2.35	0.220	3.63			
10/7/2003	17:00:56	236.8	55.46	2.348	0.222	3.85			
10/7/2003	17:01:10	250.9	55.48	2.35	0.220	4.08			
10/7/2003	17:01:25	265.8	55.51	2.349	0.221	4.33			
10/7/2003	17:01:41	281.6	55.53	2.349	0.221	4.60			
10/7/2003	17:01:58	298.4	55.55	2.349	0.221	4.88			
10/7/2003	17:02:16	316.2	55.58	2.351	0.219	5.18			1.82 gpm flow rate
10/7/2003	17:02:34	335	55.6	2.352	0.218	5.48			
10/7/2003	17:02:54	354.9	55.62	2.35	0.220	5.82			
10/7/2003	17:03:15	376	55.64	2.35	0.220	6.17			
10/7/2003	17:03:38	398.4	55.67	2.35	0.220	6.55			
10/7/2003	17:04:02	422.1	55.69	2.35	0.220	6.95			
10/7/2003	17:04:27	447.2	55.69	2.35	0.220	7.37			
10/7/2003	17:04:53	473.8	55.71	2.349	0.221	7.80			
10/7/2003	17:05:21	502	55.71	2.351	0.219	8.27			
10/7/2003	17:05:51	531.9	55.73	2.351	0.219	8.77			
10/7/2003	17:06:21	561.9	55.73	2.353	0.217	9.27			
10/7/2003	17:06:51	591.9	55.76	2.355	0.215	9.77			
10/7/2003	17:07:21	621.9	55.76	2.353	0.217	10.27			1.76 gpm flow rate
10/7/2003	17:07:51	651.9	55.76	2.353	0.217	10.77			
10/7/2003	17:08:21	681.9	55.78	2.355	0.215	11.27			
10/7/2003	17:08:51	711.9	55.78	2.355	0.215	11.77			
10/7/2003	17:09:21	741.9	55.78	2.353	0.217	12.27			
10/7/2003	17:09:51	771.9	55.78	2.355	0.215	12.77			
10/7/2003	17:10:21	801.9	55.8	2.352	0.218	13.27			
10/7/2003	17:10:51	831.9	55.8	2.354	0.216	13.77			
10/7/2003	17:11:21	861.9	55.8	2.358	0.212	14.27			1.76 gpm flow rate
10/7/2003	17:11:51	891.9	55.8	2.356	0.214	14.77			
10/7/2003	17:12:21	921.9	55.8	2.356	0.214	15.27			
10/7/2003	17:12:51	951.9	55.8	2.356	0.214	15.77			
10/7/2003	17:13:21	981.9	55.82	2.356	0.214	16.27			
10/7/2003	17:13:51	1011.9	55.82	2.352	0.218	16.77			
10/7/2003	17:14:21	1041.9	55.82	2.358	0.212	17.27			
10/7/2003	17:14:51	1071.9	55.82	2.358	0.212	17.77			
10/7/2003	17:15:00	0	55.82	2.354	0.216	17.92			Start Test 2
10/7/2003	17:15:00	0.3	55.85	2.354	0.216	17.92			
10/7/2003	17:15:00	0.6	55.87	2.352	0.218	17.92			
10/7/2003	17:15:00	0.9	55.87	2.35	0.220	17.92			
10/7/2003	17:15:01	1.2	55.87	2.35	0.220	17.93			
10/7/2003	17:15:01	1.5	55.89	2.35	0.220	17.93			
10/7/2003	17:15:01	1.8	55.89	2.348	0.222	17.93			
10/7/2003	17:15:02	2.1	55.89	2.35	0.220	17.95			
10/7/2003	17:15:02	2.4	55.89	2.35	0.220	17.95			
10/7/2003	17:15:02	2.7	55.89	2.35	0.220	17.95			
10/7/2003	17:15:03	3	55.89	2.35	0.220	17.97			
10/7/2003	17:15:03	3.3	55.89	2.35	0.220	17.97			
10/7/2003	17:15:03	3.6	55.89	2.348	0.222	17.97			
10/7/2003	17:15:03	3.9	55.92	2.345	0.225	17.97			
10/7/2003	17:15:04	4.2	55.92	2.353	0.217	17.98			
10/7/2003	17:15:04	4.5	55.92	2.349	0.221	17.98			

Well No.

SEA-606

Date	Time	Test Time Elapsed Sec	Temp- erature oF	Depth Below SWL Ft	Draw- down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	17:15:04	4.8	55.92	2.349	0.221	17.98			
10/7/2003	17:15:05	5.1	55.92	2.349	0.221	18.00			
10/7/2003	17:15:05	5.4	55.92	2.349	0.221	18.00	0.00		Pump Stop
10/7/2003	17:15:05	5.7	55.92	2.324	0.246	18.00	0.00		
10/7/2003	17:15:06	6	55.92	2.398	0.172	18.02	0.02	1081.00	
10/7/2003	17:15:06	6.4	55.92	2.43	0.140	18.02	0.02	1081.00	
10/7/2003	17:15:06	6.7	55.92	2.467	0.103	18.02	0.02	1081.00	
10/7/2003	17:15:07	7.1	55.92	2.499	0.071	18.03	0.03	541.00	
10/7/2003	17:15:07	7.5	55.92	2.518	0.052	18.03	0.03	541.00	
10/7/2003	17:15:08	8	55.92	2.534	0.036	18.05	0.05	361.00	
10/7/2003	17:15:08	8.4	55.94	2.546	0.024	18.05	0.05	361.00	
10/7/2003	17:15:08	8.9	55.92	2.552	0.018	18.05	0.05	361.00	
10/7/2003	17:15:09	9.5	55.94	2.556	0.014	18.07	0.07	271.00	
10/7/2003	17:15:10	10	55.92	2.564	0.006	18.08	0.08	217.00	
10/7/2003	17:15:10	10.6	55.92	2.57	0.000	18.08	0.08	217.00	
10/7/2003	17:15:11	11.3	55.92	2.57	0.000	18.10	0.10	181.00	
10/7/2003	17:15:11	11.9	55.92	2.568	0.002	18.10	0.10	181.00	
10/7/2003	17:15:12	12.6	55.92	2.568	0.002	18.12	0.12	155.29	
10/7/2003	17:15:13	13.4	55.92	2.568	0.002	18.13	0.13	136.00	
10/7/2003	17:15:14	14.2	55.92	2.568	0.002	18.15	0.15	121.00	
10/7/2003	17:15:15	15	55.89	2.568	0.002	18.17	0.17	109.00	
10/7/2003	17:15:15	15.9	55.89	2.568	0.002	18.17	0.17	109.00	
10/7/2003	17:15:16	16.8	55.89	2.568	0.002	18.18	0.18	99.18	
10/7/2003	17:15:17	17.8	55.89	2.568	0.002	18.20	0.20	91.00	
10/7/2003	17:15:18	18.9	55.89	2.568	0.002	18.22	0.22	84.08	
10/7/2003	17:15:20	20	55.89	2.57	0.000	18.25	0.25	73.00	
10/7/2003	17:15:21	21.2	55.89	2.568	0.002	18.27	0.27	68.50	
10/7/2003	17:15:22	22.4	55.89	2.566	0.004	18.28	0.28	64.53	
10/7/2003	17:15:23	23.8	55.89	2.566	0.004	18.30	0.30	61.00	
10/7/2003	17:15:25	25.2	55.89	2.568	0.002	18.33	0.33	55.00	
10/7/2003	17:15:26	26.7	55.89	2.568	0.002	18.35	0.35	52.43	
10/7/2003	17:15:28	28.2	55.89	2.568	0.002	18.38	0.38	47.96	
10/7/2003	17:15:29	29.8	55.89	2.568	0.002	18.40	0.40	46.00	
10/7/2003	17:15:31	31.5	55.89	2.568	0.002	18.43	0.43	42.54	
10/7/2003	17:15:33	33.3	55.89	2.568	0.002	18.47	0.47	39.57	
10/7/2003	17:15:35	35.2	55.89	2.568	0.002	18.50	0.50	37.00	
10/7/2003	17:15:37	37.3	55.89	2.57	0.000	18.53	0.53	34.75	
10/7/2003	17:15:39	39.5	55.89	2.568	0.002	18.57	0.57	32.76	
10/7/2003	17:15:41	41.8	55.89	2.568	0.002	18.60	0.60	31.00	
10/7/2003	17:15:44	44.3	55.89	2.568	0.002	18.65	0.65	28.69	
10/7/2003	17:15:46	46.9	55.89	2.568	0.002	18.68	0.68	27.34	
10/7/2003	17:15:49	49.7	55.87	2.568	0.002	18.73	0.73	25.55	
10/7/2003	17:15:52	52.6	55.89	2.568	0.002	18.78	0.78	23.98	
10/7/2003	17:15:55	55.7	55.87	2.568	0.002	18.83	0.83	22.60	
10/7/2003	17:15:59	59	55.87	2.568	0.002	18.90	0.90	21.00	
10/7/2003	17:16:02	62.5	55.87	2.568	0.002	18.95	0.95	19.95	
10/7/2003	17:16:06	66.2	55.87	2.57	0.000	19.02	1.02	18.70	
10/7/2003	17:16:10	70.1	55.87	2.568	0.002	19.08	1.08	17.62	
10/7/2003	17:16:14	74.3	55.87	2.568	0.002	19.15	1.15	16.65	
10/7/2003	17:16:18	78.7	55.87	2.568	0.002	19.22	1.22	15.79	
10/7/2003	17:16:23	83.4	55.85	2.568	0.002	19.30	1.30	14.85	
10/7/2003	17:16:28	88.4	55.85	2.568	0.002	19.38	1.38	14.01	
10/7/2003	17:16:33	93.7	55.85	2.568	0.002	19.47	1.47	13.27	
10/7/2003	17:16:39	99.3	55.85	2.57	0.000	19.57	1.57	12.49	
10/7/2003	17:16:45	105.2	55.85	2.57	0.000	19.67	1.67	11.80	
10/7/2003	17:16:51	111.5	55.85	2.568	0.002	19.77	1.77	11.19	
10/7/2003	17:16:58	118.1	55.82	2.57	0.000	19.88	1.88	10.56	
10/7/2003	17:17:05	125.1	55.82	2.57	0.000	20.00	2.00	10.00	
10/7/2003	17:17:12	132.6	55.82	2.568	0.002	20.12	2.12	9.50	
10/7/2003	17:17:20	140.5	55.82	2.568	0.002	20.25	2.25	9.00	
10/7/2003	17:17:28	148.9	55.8	2.571	-0.001	20.38	2.38	8.55	
10/7/2003	17:17:37	157.8	55.8	2.569	0.001	20.53	2.53	8.11	
10/7/2003	17:17:47	167.2	55.8	2.569	0.001	20.70	2.70	7.67	
10/7/2003	17:17:57	177.2	55.8	2.571	-0.001	20.87	2.87	7.28	
10/7/2003	17:18:07	187.8	55.78	2.569	0.001	21.03	3.03	6.93	
10/7/2003	17:18:19	199	55.78	2.569	0.001	21.23	3.23	6.57	
10/7/2003	17:18:30	210.9	55.76	2.571	-0.001	21.42	3.42	6.27	
10/7/2003	17:18:43	223.5	55.76	2.569	0.001	21.63	3.63	5.95	
10/7/2003	17:18:56	236.8	55.76	2.569	0.001	21.85	3.85	5.68	

Well No. **SEA-606**

Date	Time	Test Time Elapsed Sec	Temp- erature oF	Depth Below SWL Ft	Draw- down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	1/t'	Comments
10/7/2003	17:19:10	250.9	55.73	2.571	-0.001	22.08	4.08	5.41	
10/7/2003	17:19:25	265.8	55.73	2.571	-0.001	22.33	4.33	5.15	
10/7/2003	17:19:41	281.6	55.71	2.572	-0.002	22.60	4.60	4.91	
10/7/2003	17:19:58	298.4	55.69	2.572	-0.002	22.88	4.88	4.69	
10/7/2003	17:20:16	316.2	55.69	2.57	0.000	23.18	5.18	4.47	
10/7/2003	17:20:35	335	55.69	2.57	0.000	23.50	5.50	4.27	
10/7/2003	17:20:54	354.9	55.67	2.57	0.000	23.82	5.82	4.09	
10/7/2003	17:30:00								DTW = 12.07 at 17:30

Pump and Recovery Tests - Summary
Peterson/Puritan OU2
October 2003

Well No. **SEA-607**

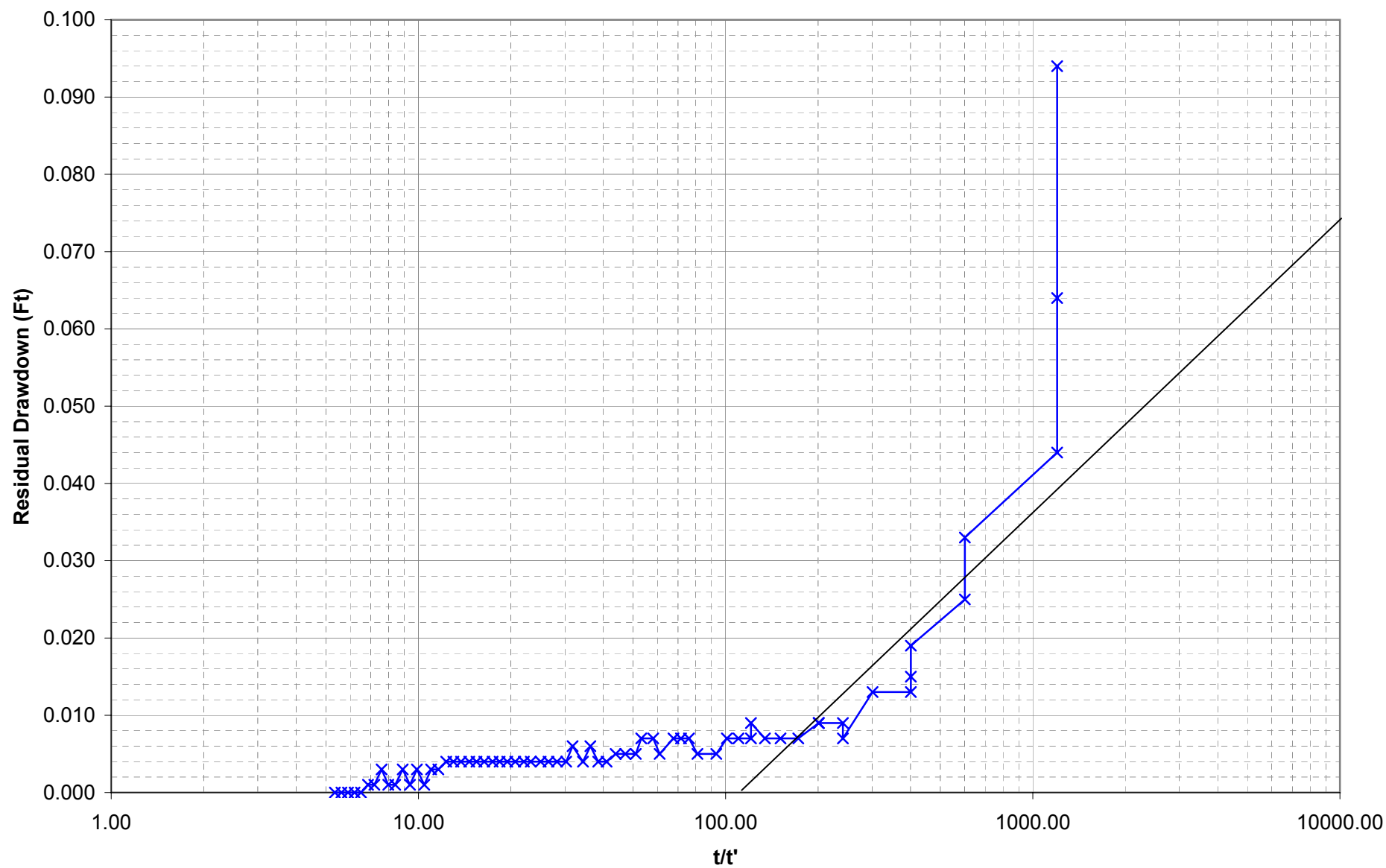
Equipment: In-Situ Inc. MiniTroll Pro
Test start date and time 10/7/2003 9:25:00
Test end date and time 10/7/2003 9:49:41
Period of pumping 20 minutes

Static depth to water 12.17 feet below top of casing
Starting transducer depth 4.255 feet below static water level
Total well depth 23.1 feet below top of casing
Depth to top of screen 12.9 feet below top of casing
Height of interval tested [b] 10.0 feet

Average pumping rate [Q] 1.62 gpm, or 312 cfd
Average drawdown [s] 0.154 ft
Specific capacity [Q/s] 10.5 gpm/ft

Residual drawdown over one log cycle [Δs] 0.040 feet
Transmissivity [$T = (2.3Q)/(4\pi\Delta s)$] 1426.8 cfd/ft
Hydraulic conductivity [$K = T/b$] 142.7 fpd, or 5.0E-02 cm/sec

Recovery Plot - SEA-607



Pump and Recovery Tests - Data
Peterson/Puritan OU2
October 2003

Well No. **SEA-607**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	9:06:00								DTW = 12.17 at 9:06
10/7/2003	9:25:00	0	55.94	4.254	0.001				Start Test 1
10/7/2003	9:25:00	0.3	55.96	4.25	0.005				
10/7/2003	9:25:00	0.6	55.98	4.25	0.005				
10/7/2003	9:25:00	0.9	55.98	4.25	0.005				
10/7/2003	9:25:01	1.2	55.98	4.25	0.005				
10/7/2003	9:25:01	1.5	56.01	4.25	0.005				
10/7/2003	9:25:01	1.8	56.01	4.25	0.005				
10/7/2003	9:25:02	2.1	56.01	4.25	0.005				
10/7/2003	9:25:02	2.4	56.01	4.25	0.005				
10/7/2003	9:25:02	2.7	56.01	4.25	0.005				
10/7/2003	9:25:03	3	56.01	4.25	0.005				
10/7/2003	9:25:03	3.3	56.01	4.25	0.005				
10/7/2003	9:25:03	3.6	56.01	4.25	0.005				
10/7/2003	9:25:03	3.9	56.01	4.25	0.005				
10/7/2003	9:25:04	4.2	56.03	4.249	0.006				
10/7/2003	9:25:04	4.5	56.03	4.249	0.006				
10/7/2003	9:25:04	4.8	56.03	4.249	0.006				
10/7/2003	9:25:05	5.1	56.03	4.249	0.006	0.00			Pump Start
10/7/2003	9:25:05	5.4	56.03	4.238	0.017	0.00			
10/7/2003	9:25:05	5.7	56.03	4.125	0.130	0.00			
10/7/2003	9:25:06	6	56.03	4.194	0.061	0.02			
10/7/2003	9:25:06	6.4	56.03	4.151	0.104	0.02			
10/7/2003	9:25:06	6.7	56.03	4.122	0.133	0.02			
10/7/2003	9:25:07	7.1	56.03	4.106	0.149	0.03			
10/7/2003	9:25:07	7.5	56.03	4.104	0.151	0.03			
10/7/2003	9:25:07	8	56.03	4.104	0.151	0.03			
10/7/2003	9:25:08	8.4	56.03	4.104	0.151	0.05			
10/7/2003	9:25:08	8.9	56.03	4.106	0.149	0.05			
10/7/2003	9:25:09	9.5	56.05	4.106	0.149	0.07			
10/7/2003	9:25:10	10	56.03	4.11	0.145	0.08			
10/7/2003	9:25:10	10.6	56.03	4.112	0.143	0.08			
10/7/2003	9:25:11	11.3	56.03	4.112	0.143	0.10			
10/7/2003	9:25:11	11.9	56.03	4.11	0.145	0.10			
10/7/2003	9:25:12	12.6	56.03	4.11	0.145	0.12			
10/7/2003	9:25:13	13.4	56.03	4.112	0.143	0.13			
10/7/2003	9:25:14	14.2	56.03	4.11	0.145	0.15			
10/7/2003	9:25:15	15	56.03	4.108	0.147	0.17			
10/7/2003	9:25:15	15.9	56.03	4.108	0.147	0.17			
10/7/2003	9:25:16	16.8	56.03	4.106	0.149	0.18			
10/7/2003	9:25:17	17.8	56.03	4.108	0.147	0.20			
10/7/2003	9:25:18	18.9	56.03	4.108	0.147	0.22			
10/7/2003	9:25:20	20	56.03	4.106	0.149	0.25			
10/7/2003	9:25:21	21.2	56.03	4.106	0.149	0.27			
10/7/2003	9:25:22	22.4	56.03	4.106	0.149	0.28			
10/7/2003	9:25:23	23.8	56.03	4.108	0.147	0.30			
10/7/2003	9:25:25	25.2	56.05	4.106	0.149	0.33			
10/7/2003	9:25:26	26.7	56.05	4.106	0.149	0.35			Pump Start
10/7/2003	9:25:28	28.2	56.05	4.106	0.149	0.38			
10/7/2003	9:25:29	29.8	56.07	4.103	0.152	0.40			
10/7/2003	9:25:31	31.5	56.07	4.103	0.152	0.43			
10/7/2003	9:25:33	33.3	56.07	4.103	0.152	0.47			
10/7/2003	9:25:35	35.2	56.1	4.103	0.152	0.50			
10/7/2003	9:25:37	37.3	56.1	4.103	0.152	0.53			
10/7/2003	9:25:39	39.5	56.12	4.103	0.152	0.57			
10/7/2003	9:25:41	41.8	56.14	4.101	0.154	0.60			
10/7/2003	9:25:44	44.3	56.16	4.101	0.154	0.65			
10/7/2003	9:25:46	46.9	56.19	4.1	0.155	0.68			
10/7/2003	9:25:49	49.7	56.19	4.102	0.153	0.73			
10/7/2003	9:25:52	52.6	56.21	4.1	0.155	0.78			
10/7/2003	9:25:55	55.7	56.23	4.102	0.153	0.83			
10/7/2003	9:25:58	59	56.26	4.102	0.153	0.88			
10/7/2003	9:26:02	62.5	56.28	4.101	0.154	0.95			1.67 gpm flow rate
10/7/2003	9:26:06	66.2	56.32	4.103	0.152	1.02			
10/7/2003	9:26:10	70.1	56.35	4.103	0.152	1.08			

Well No. **SEA-607**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	9:26:14	74.3	56.37	4.104	0.151	1.15			
10/7/2003	9:26:18	78.7	56.39	4.1	0.155	1.22			
10/7/2003	9:26:23	83.4	56.41	4.102	0.153	1.30			
10/7/2003	9:26:28	88.4	56.44	4.1	0.155	1.38			
10/7/2003	9:26:33	93.7	56.46	4.1	0.155	1.47			
10/7/2003	9:26:39	99.3	56.48	4.101	0.154	1.57			
10/7/2003	9:26:45	105.2	56.5	4.099	0.156	1.67			
10/7/2003	9:26:51	111.5	56.53	4.101	0.154	1.77			
10/7/2003	9:26:58	118.1	56.55	4.099	0.156	1.88			
10/7/2003	9:27:05	125.1	56.57	4.101	0.154	2.00			
10/7/2003	9:27:12	132.6	56.57	4.103	0.152	2.12			
10/7/2003	9:27:20	140.5	56.59	4.102	0.153	2.25			
10/7/2003	9:27:28	148.9	56.62	4.102	0.153	2.38			
10/7/2003	9:27:37	157.8	56.62	4.102	0.153	2.53			
10/7/2003	9:27:47	167.2	56.64	4.106	0.149	2.70			
10/7/2003	9:27:57	177.2	56.64	4.106	0.149	2.87			
10/7/2003	9:28:07	187.8	56.66	4.104	0.151	3.03			
10/7/2003	9:28:18	199	56.66	4.102	0.153	3.22			
10/7/2003	9:28:30	210.9	56.66	4.102	0.153	3.42			
10/7/2003	9:28:43	223.5	56.69	4.103	0.152	3.63			
10/7/2003	9:28:56	236.8	56.69	4.105	0.150	3.85			
10/7/2003	9:29:10	250.9	56.69	4.107	0.148	4.08			1.62 gpm flow rate
10/7/2003	9:29:25	265.8	56.71	4.101	0.154	4.33			
10/7/2003	9:29:41	281.6	56.71	4.101	0.154	4.60			
10/7/2003	9:29:58	298.4	56.71	4.103	0.152	4.88			
10/7/2003	9:30:16	316.2	56.71	4.103	0.152	5.18			
10/7/2003	9:30:34	335	56.71	4.103	0.152	5.48			
10/7/2003	9:30:54	354.9	56.71	4.101	0.154	5.82			
10/7/2003	9:31:15	376	56.71	4.099	0.156	6.17			
10/7/2003	9:31:38	398.4	56.71	4.103	0.152	6.55			
10/7/2003	9:32:02	422.1	56.71	4.101	0.154	6.95			
10/7/2003	9:32:27	447.2	56.71	4.099	0.156	7.37			
10/7/2003	9:32:53	473.8	56.71	4.101	0.154	7.80			
10/7/2003	9:33:21	502	56.71	4.103	0.152	8.27			
10/7/2003	9:33:51	531.9	56.71	4.101	0.154	8.77			
10/7/2003	9:34:21	561.9	56.71	4.103	0.152	9.27			1.62 gpm flow rate
10/7/2003	9:34:51	591.9	56.69	4.101	0.154	9.77			
10/7/2003	9:35:21	621.9	56.69	4.103	0.152	10.27			
10/7/2003	9:35:51	651.9	56.69	4.103	0.152	10.77			
10/7/2003	9:36:21	681.9	56.69	4.103	0.152	11.27			
10/7/2003	9:36:51	711.9	56.69	4.103	0.152	11.77			
10/7/2003	9:37:21	741.9	56.69	4.101	0.154	12.27			
10/7/2003	9:37:51	771.9	56.69	4.101	0.154	12.77			
10/7/2003	9:38:21	801.9	56.69	4.103	0.152	13.27			
10/7/2003	9:38:51	831.9	56.69	4.103	0.152	13.77			
10/7/2003	9:39:21	861.9	56.69	4.101	0.154	14.27			
10/7/2003	9:39:51	891.9	56.69	4.101	0.154	14.77			
10/7/2003	9:40:21	921.9	56.69	4.101	0.154	15.27			
10/7/2003	9:40:51	951.9	56.69	4.101	0.154	15.77			
10/7/2003	9:41:21	981.9	56.69	4.101	0.154	16.27			
10/7/2003	9:41:51	1011.9	56.69	4.101	0.154	16.77			
10/7/2003	9:42:21	1041.9	56.69	4.101	0.154	17.27			
10/7/2003	9:42:51	1071.9	56.69	4.099	0.156	17.77			
10/7/2003	9:43:21	1101.9	56.69	4.103	0.152	18.27			1.62 gpm flow rate
10/7/2003	9:43:51	1131.9	56.69	4.099	0.156	18.77			
10/7/2003	9:44:21	1161.9	56.69	4.101	0.154	19.27			
10/7/2003	9:44:51	1191.9	56.69	4.097	0.158	19.77			
10/7/2003	9:45:00	0	56.69	4.099	0.156	19.92			Start Test 2
10/7/2003	9:45:00	0.3	56.71	4.095	0.160	19.92			
10/7/2003	9:45:00	0.6	56.71	4.095	0.160	19.92			
10/7/2003	9:45:00	0.9	56.73	4.095	0.160	19.92			
10/7/2003	9:45:01	1.2	56.73	4.095	0.160	19.93			
10/7/2003	9:45:01	1.5	56.73	4.095	0.160	19.93			
10/7/2003	9:45:01	1.8	56.75	4.097	0.158	19.93			
10/7/2003	9:45:02	2.1	56.75	4.095	0.160	19.95			
10/7/2003	9:45:02	2.4	56.75	4.097	0.158	19.95			
10/7/2003	9:45:02	2.7	56.75	4.095	0.160	19.95			
10/7/2003	9:45:03	3	56.75	4.095	0.160	19.97			
10/7/2003	9:45:03	3.3	56.75	4.097	0.158	19.97			

Well No. **SEA-607**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	9:45:03	3.6	56.75	4.095	0.160	19.97			
10/7/2003	9:45:03	3.9	56.75	4.097	0.158	19.97			
10/7/2003	9:45:04	4.2	56.75	4.097	0.158	19.98			
10/7/2003	9:45:04	4.5	56.78	4.095	0.160	19.98			
10/7/2003	9:45:04	4.8	56.75	4.095	0.160	19.98			
10/7/2003	9:45:05	5.1	56.78	4.097	0.158	20.00	0.00		Pump Stop
10/7/2003	9:45:05	5.4	56.78	4.14	0.115	20.00	0.00		
10/7/2003	9:45:05	5.7	56.78	4.128	0.127	20.00	0.00		
10/7/2003	9:45:06	6	56.78	4.161	0.094	20.02	0.02	1201.00	
10/7/2003	9:45:06	6.4	56.78	4.191	0.064	20.02	0.02	1201.00	
10/7/2003	9:45:06	6.7	56.78	4.211	0.044	20.02	0.02	1201.00	
10/7/2003	9:45:07	7.1	56.78	4.222	0.033	20.03	0.03	601.00	
10/7/2003	9:45:07	7.5	56.78	4.23	0.025	20.03	0.03	601.00	
10/7/2003	9:45:08	8	56.78	4.236	0.019	20.05	0.05	401.00	
10/7/2003	9:45:08	8.4	56.78	4.24	0.015	20.05	0.05	401.00	
10/7/2003	9:45:08	8.9	56.78	4.242	0.013	20.05	0.05	401.00	
10/7/2003	9:45:09	9.5	56.78	4.242	0.013	20.07	0.07	301.00	
10/7/2003	9:45:10	10	56.78	4.248	0.007	20.08	0.08	241.00	
10/7/2003	9:45:10	10.6	56.78	4.246	0.009	20.08	0.08	241.00	
10/7/2003	9:45:11	11.3	56.75	4.246	0.009	20.10	0.10	201.00	
10/7/2003	9:45:11	11.9	56.75	4.246	0.009	20.10	0.10	201.00	
10/7/2003	9:45:12	12.6	56.75	4.248	0.007	20.12	0.12	172.43	
10/7/2003	9:45:13	13.4	56.75	4.248	0.007	20.13	0.13	151.00	
10/7/2003	9:45:14	14.2	56.75	4.248	0.007	20.15	0.15	134.33	
10/7/2003	9:45:15	15	56.75	4.246	0.009	20.17	0.17	121.00	
10/7/2003	9:45:15	15.9	56.75	4.248	0.007	20.17	0.17	121.00	
10/7/2003	9:45:16	16.8	56.75	4.248	0.007	20.18	0.18	110.09	
10/7/2003	9:45:17	17.8	56.75	4.248	0.007	20.20	0.20	101.00	
10/7/2003	9:45:18	18.9	56.75	4.25	0.005	20.22	0.22	93.31	
10/7/2003	9:45:20	20	56.73	4.25	0.005	20.25	0.25	81.00	
10/7/2003	9:45:21	21.2	56.75	4.248	0.007	20.27	0.27	76.00	
10/7/2003	9:45:22	22.4	56.73	4.248	0.007	20.28	0.28	71.59	
10/7/2003	9:45:23	23.8	56.73	4.248	0.007	20.30	0.30	67.67	
10/7/2003	9:45:25	25.2	56.73	4.25	0.005	20.33	0.33	61.00	
10/7/2003	9:45:26	26.7	56.73	4.248	0.007	20.35	0.35	58.14	
10/7/2003	9:45:28	28.2	56.73	4.248	0.007	20.38	0.38	53.17	
10/7/2003	9:45:29	29.8	56.73	4.25	0.005	20.40	0.40	51.00	
10/7/2003	9:45:31	31.5	56.73	4.25	0.005	20.43	0.43	47.15	
10/7/2003	9:45:33	33.3	56.73	4.25	0.005	20.47	0.47	43.86	
10/7/2003	9:45:35	35.2	56.71	4.251	0.004	20.50	0.50	41.00	
10/7/2003	9:45:37	37.3	56.71	4.251	0.004	20.53	0.53	38.50	
10/7/2003	9:45:39	39.5	56.71	4.249	0.006	20.57	0.57	36.29	
10/7/2003	9:45:41	41.8	56.71	4.251	0.004	20.60	0.60	34.33	
10/7/2003	9:45:44	44.3	56.71	4.249	0.006	20.65	0.65	31.77	
10/7/2003	9:45:46	46.9	56.71	4.251	0.004	20.68	0.68	30.27	
10/7/2003	9:45:49	49.7	56.69	4.251	0.004	20.73	0.73	28.27	
10/7/2003	9:45:52	52.6	56.69	4.251	0.004	20.78	0.78	26.53	
10/7/2003	9:45:55	55.7	56.69	4.251	0.004	20.83	0.83	25.00	
10/7/2003	9:45:59	59	56.69	4.251	0.004	20.90	0.90	23.22	
10/7/2003	9:46:02	62.5	56.66	4.251	0.004	20.95	0.95	22.05	
10/7/2003	9:46:06	66.2	56.66	4.251	0.004	21.02	1.02	20.67	
10/7/2003	9:46:10	70.1	56.66	4.251	0.004	21.08	1.08	19.46	
10/7/2003	9:46:14	74.3	56.66	4.251	0.004	21.15	1.15	18.39	
10/7/2003	9:46:18	78.7	56.64	4.251	0.004	21.22	1.22	17.44	
10/7/2003	9:46:23	83.4	56.64	4.251	0.004	21.30	1.30	16.38	
10/7/2003	9:46:28	88.4	56.64	4.251	0.004	21.38	1.38	15.46	
10/7/2003	9:46:33	93.7	56.64	4.251	0.004	21.47	1.47	14.64	
10/7/2003	9:46:39	99.3	56.62	4.251	0.004	21.57	1.57	13.77	
10/7/2003	9:46:45	105.2	56.62	4.251	0.004	21.67	1.67	13.00	
10/7/2003	9:46:51	111.5	56.62	4.251	0.004	21.77	1.77	12.32	
10/7/2003	9:46:58	118.1	56.59	4.252	0.003	21.88	1.88	11.62	
10/7/2003	9:47:05	125.1	56.59	4.252	0.003	22.00	2.00	11.00	
10/7/2003	9:47:12	132.6	56.59	4.254	0.001	22.12	2.12	10.45	
10/7/2003	9:47:20	140.5	56.57	4.252	0.003	22.25	2.25	9.89	
10/7/2003	9:47:28	148.9	56.57	4.254	0.001	22.38	2.38	9.39	
10/7/2003	9:47:37	157.8	56.57	4.252	0.003	22.53	2.53	8.89	
10/7/2003	9:47:47	167.2	56.55	4.254	0.001	22.70	2.70	8.41	
10/7/2003	9:47:57	177.2	56.55	4.254	0.001	22.87	2.87	7.98	
10/7/2003	9:48:07	187.8	56.53	4.252	0.003	23.03	3.03	7.59	

Well No. **SEA-607**

Date	Time	Test Time Elapsed Sec	Temp- erature oF	Depth Below SWL Ft	Draw- down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	9:48:19	199	56.53	4.254	0.001	23.23	3.23	7.19	
10/7/2003	9:48:30	210.9	56.53	4.254	0.001	23.42	3.42	6.85	
10/7/2003	9:48:43	223.5	56.5	4.255	0.000	23.63	3.63	6.50	
10/7/2003	9:48:56	236.8	56.48	4.255	0.000	23.85	3.85	6.19	
10/7/2003	9:49:10	250.9	56.48	4.255	0.000	24.08	4.08	5.90	
10/7/2003	9:49:25	265.8	56.46	4.255	0.000	24.33	4.33	5.62	
10/7/2003	9:49:41	281.6	56.46	4.255	0.000	24.60	4.60	5.35	
10/7/2003	9:59:00								DTW = 12.18 at 9:59

Pump and Recovery Tests - Summary
Peterson/Puritan OU2
October 2003

Well No.

SEA-608

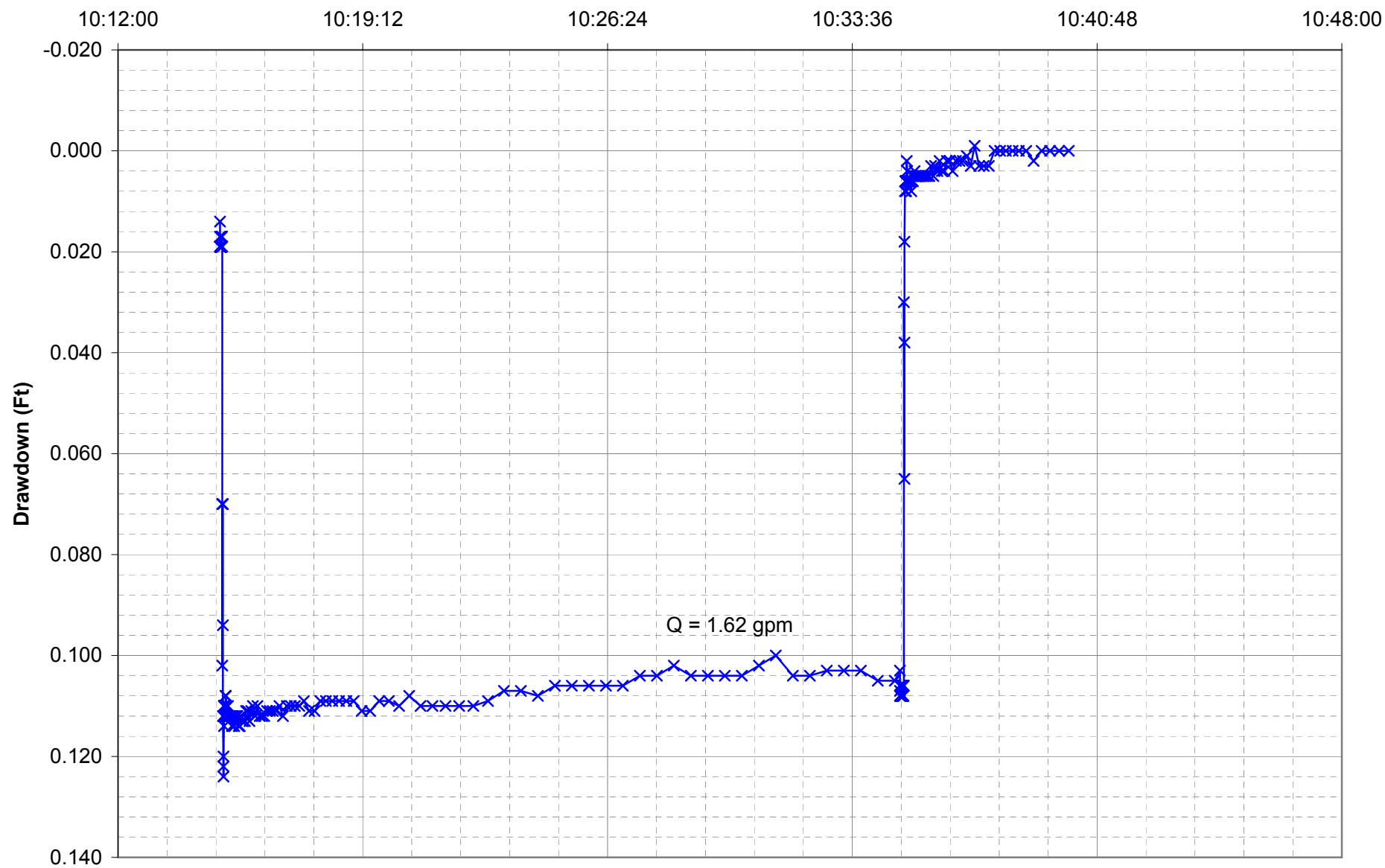
Equipment: In-Situ Inc. MiniTroll Pro
Test start date and time 10/7/2003 10:15:00
Test end date and time 10/7/2003 10:39:58
Period of pumping 20 minutes

Static depth to water 13.22 feet below top of casing
Starting transducer depth 4.827 feet below static water level
Total well depth 22.7 feet below top of casing
Depth to top of screen 12.5 feet below top of casing
Height of interval tested [b] 10.0 feet

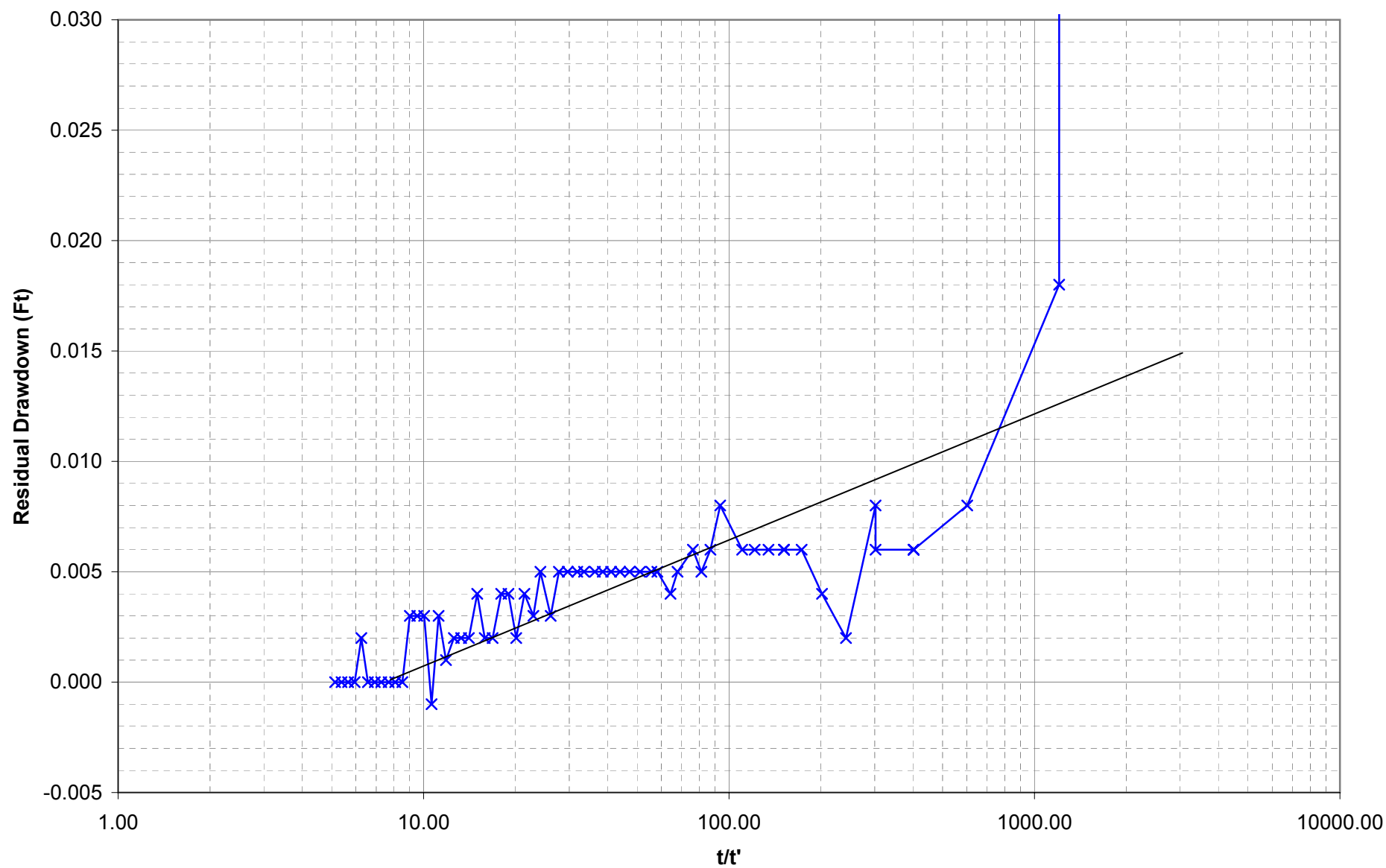
Average pumping rate [Q] 1.62 gpm, or 312 cfd
Average drawdown [s] 0.104 ft
Specific capacity [Q/s] 15.6 gpm/ft

Residual drawdown over one log cycle [Δs] 0.006 feet
Transmissivity [$T = (2.3Q)/(4\pi\Delta s)$] 9512.3 cfd/ft
Hydraulic conductivity [$K = T/b$] 951.2 fpd, or 3.4E-01 cm/sec

Drawdown Over Time - SEA-608



Recovery Plot - SEA-608



Pump and Recovery Tests - Data
Peterson/Puritan OU2
October 2003

Well No. **SEA-608**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	10:05:00								DTW = 13.24 at 10:05
10/7/2003	10:15:00	0	55.92	4.813	0.014				Start Test 1
10/7/2003	10:15:00	0.3	55.94	4.808	0.019				
10/7/2003	10:15:00	0.6	55.96	4.808	0.019				
10/7/2003	10:15:00	0.9	55.96	4.81	0.017				
10/7/2003	10:15:01	1.2	55.98	4.808	0.019				
10/7/2003	10:15:01	1.5	55.98	4.808	0.019				
10/7/2003	10:15:01	1.8	55.98	4.808	0.019				
10/7/2003	10:15:02	2.1	55.98	4.808	0.019				
10/7/2003	10:15:02	2.4	55.98	4.808	0.019				
10/7/2003	10:15:02	2.7	56.01	4.808	0.019				
10/7/2003	10:15:03	3	56.01	4.81	0.017				
10/7/2003	10:15:03	3.3	56.01	4.808	0.019				
10/7/2003	10:15:03	3.6	56.01	4.81	0.017				
10/7/2003	10:15:03	3.9	56.01	4.81	0.017				
10/7/2003	10:15:04	4.2	56.01	4.808	0.019	0.00			Pump Start
10/7/2003	10:15:04	4.5	56.01	4.725	0.102	0.00			
10/7/2003	10:15:04	4.8	56.01	4.757	0.070	0.00			
10/7/2003	10:15:05	5.1	56.01	4.757	0.070	0.02			
10/7/2003	10:15:05	5.4	56.03	4.733	0.094	0.02			
10/7/2003	10:15:05	5.7	56.01	4.715	0.112	0.02			
10/7/2003	10:15:06	6	56.03	4.705	0.122	0.03			
10/7/2003	10:15:06	6.4	56.03	4.703	0.124	0.03			
10/7/2003	10:15:06	6.7	56.03	4.707	0.120	0.03			
10/7/2003	10:15:07	7.1	56.03	4.713	0.114	0.05			
10/7/2003	10:15:07	7.5	56.03	4.717	0.110	0.05			
10/7/2003	10:15:07	8	56.03	4.717	0.110	0.05			
10/7/2003	10:15:08	8.4	56.03	4.717	0.110	0.07			
10/7/2003	10:15:08	8.9	56.03	4.715	0.112	0.07			
10/7/2003	10:15:09	9.5	56.03	4.715	0.112	0.08			
10/7/2003	10:15:10	10	56.03	4.719	0.108	0.10			
10/7/2003	10:15:10	10.6	56.03	4.719	0.108	0.10			
10/7/2003	10:15:11	11.3	56.03	4.717	0.110	0.12			
10/7/2003	10:15:11	11.9	56.03	4.715	0.112	0.12			
10/7/2003	10:15:12	12.6	56.01	4.715	0.112	0.13			
10/7/2003	10:15:13	13.4	56.03	4.715	0.112	0.15			
10/7/2003	10:15:14	14.2	56.03	4.717	0.110	0.17			
10/7/2003	10:15:15	15	56.03	4.715	0.112	0.18			
10/7/2003	10:15:15	15.9	56.01	4.715	0.112	0.18			
10/7/2003	10:15:16	16.8	56.03	4.715	0.112	0.20			
10/7/2003	10:15:17	17.8	56.03	4.715	0.112	0.22			
10/7/2003	10:15:18	18.9	56.03	4.715	0.112	0.23			
10/7/2003	10:15:20	20	56.03	4.715	0.112	0.27			
10/7/2003	10:15:21	21.2	56.03	4.713	0.114	0.28			
10/7/2003	10:15:22	22.4	56.03	4.715	0.112	0.30			
10/7/2003	10:15:23	23.8	56.03	4.715	0.112	0.32			
10/7/2003	10:15:25	25.2	56.05	4.713	0.114	0.35			
10/7/2003	10:15:26	26.7	56.05	4.715	0.112	0.37			
10/7/2003	10:15:28	28.2	56.05	4.715	0.112	0.40			
10/7/2003	10:15:29	29.8	56.07	4.715	0.112	0.42			
10/7/2003	10:15:31	31.5	56.07	4.715	0.112	0.45			
10/7/2003	10:15:33	33.3	56.07	4.713	0.114	0.48			
10/7/2003	10:15:35	35.2	56.1	4.713	0.114	0.52			
10/7/2003	10:15:37	37.3	56.1	4.715	0.112	0.55			
10/7/2003	10:15:39	39.5	56.12	4.714	0.113	0.58			
10/7/2003	10:15:41	41.8	56.12	4.714	0.113	0.62			
10/7/2003	10:15:44	44.3	56.14	4.714	0.113	0.67			
10/7/2003	10:15:46	46.9	56.14	4.716	0.111	0.70			
10/7/2003	10:15:49	49.7	56.16	4.716	0.111	0.75			
10/7/2003	10:15:52	52.6	56.16	4.714	0.113	0.80			
10/7/2003	10:15:55	55.7	56.19	4.716	0.111	0.85			
10/7/2003	10:15:58	59	56.21	4.717	0.110	0.90			
10/7/2003	10:16:02	62.5	56.23	4.715	0.112	0.97			
10/7/2003	10:16:06	66.2	56.26	4.717	0.110	1.03			
10/7/2003	10:16:10	70.1	56.26	4.715	0.112	1.10			

Well No. **SEA-608**

Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	10:16:14	74.3	56.28	4.715	0.112	1.17			
10/7/2003	10:16:18	78.7	56.3	4.715	0.112	1.23			
10/7/2003	10:16:23	83.4	56.32	4.716	0.111	1.32			
10/7/2003	10:16:28	88.4	56.35	4.716	0.111	1.40			
10/7/2003	10:16:33	93.7	56.37	4.716	0.111	1.48			
10/7/2003	10:16:39	99.3	56.39	4.716	0.111	1.58			
10/7/2003	10:16:45	105.2	56.41	4.717	0.110	1.68			
10/7/2003	10:16:51	111.5	56.41	4.715	0.112	1.78			
10/7/2003	10:16:58	118.1	56.44	4.717	0.110	1.90			
10/7/2003	10:17:05	125.1	56.46	4.717	0.110	2.02			
10/7/2003	10:17:12	132.6	56.46	4.717	0.110	2.13			
10/7/2003	10:17:20	140.5	56.48	4.717	0.110	2.27			
10/7/2003	10:17:28	148.9	56.5	4.718	0.109	2.40			
10/7/2003	10:17:37	157.8	56.5	4.716	0.111	2.55			
10/7/2003	10:17:47	167.2	56.53	4.716	0.111	2.72			
10/7/2003	10:17:57	177.2	56.53	4.718	0.109	2.88			
10/7/2003	10:18:07	187.8	56.55	4.718	0.109	3.05			1.62 gpm flow rate
10/7/2003	10:18:18	199	56.55	4.718	0.109	3.23			
10/7/2003	10:18:30	210.9	56.57	4.718	0.109	3.43			
10/7/2003	10:18:43	223.5	56.57	4.718	0.109	3.65			
10/7/2003	10:18:56	236.8	56.59	4.718	0.109	3.87			
10/7/2003	10:19:10	250.9	56.59	4.716	0.111	4.10			
10/7/2003	10:19:25	265.8	56.59	4.716	0.111	4.35			
10/7/2003	10:19:41	281.6	56.59	4.718	0.109	4.62			
10/7/2003	10:19:58	298.4	56.59	4.718	0.109	4.90			
10/7/2003	10:20:16	316.2	56.62	4.717	0.110	5.20			
10/7/2003	10:20:34	335	56.62	4.719	0.108	5.50			
10/7/2003	10:20:54	354.9	56.62	4.717	0.110	5.83			
10/7/2003	10:21:15	376	56.62	4.717	0.110	6.18			
10/7/2003	10:21:38	398.4	56.62	4.717	0.110	6.57			
10/7/2003	10:22:02	422.1	56.62	4.717	0.110	6.97			
10/7/2003	10:22:27	447.2	56.62	4.717	0.110	7.38			
10/7/2003	10:22:53	473.8	56.59	4.718	0.109	7.82			
10/7/2003	10:23:21	502	56.59	4.72	0.107	8.28			1.62 gpm flow rate
10/7/2003	10:23:51	531.9	56.59	4.72	0.107	8.78			
10/7/2003	10:24:21	561.9	56.62	4.719	0.108	9.28			
10/7/2003	10:24:51	591.9	56.59	4.721	0.106	9.78			
10/7/2003	10:25:21	621.9	56.59	4.721	0.106	10.28			
10/7/2003	10:25:51	651.9	56.59	4.721	0.106	10.78			
10/7/2003	10:26:21	681.9	56.59	4.721	0.106	11.28			
10/7/2003	10:26:51	711.9	56.59	4.721	0.106	11.78			
10/7/2003	10:27:21	741.9	56.59	4.723	0.104	12.28			
10/7/2003	10:27:51	771.9	56.59	4.723	0.104	12.78			
10/7/2003	10:28:21	801.9	56.59	4.725	0.102	13.28			1.58 gpm flow rate
10/7/2003	10:28:51	831.9	56.59	4.723	0.104	13.78			
10/7/2003	10:29:21	861.9	56.59	4.723	0.104	14.28			
10/7/2003	10:29:51	891.9	56.59	4.723	0.104	14.78			
10/7/2003	10:30:21	921.9	56.59	4.723	0.104	15.28			
10/7/2003	10:30:51	951.9	56.59	4.725	0.102	15.78			
10/7/2003	10:31:21	981.9	56.59	4.727	0.100	16.28			
10/7/2003	10:31:51	1011.9	56.59	4.723	0.104	16.78			
10/7/2003	10:32:21	1041.9	56.59	4.723	0.104	17.28			1.62 gpm flow rate
10/7/2003	10:32:51	1071.9	56.57	4.724	0.103	17.78			
10/7/2003	10:33:21	1101.9	56.57	4.724	0.103	18.28			
10/7/2003	10:33:51	1131.9	56.57	4.724	0.103	18.78			
10/7/2003	10:34:21	1161.9	56.57	4.722	0.105	19.28			
10/7/2003	10:34:51	1191.9	56.57	4.722	0.105	19.78			
10/7/2003	10:35:00	0	56.57	4.724	0.103	19.93			Start Test 2
10/7/2003	10:35:00	0.3	56.59	4.72	0.107	19.93			
10/7/2003	10:35:00	0.6	56.62	4.719	0.108	19.93			
10/7/2003	10:35:00	0.9	56.62	4.721	0.106	19.93			
10/7/2003	10:35:01	1.2	56.64	4.721	0.106	19.95			
10/7/2003	10:35:01	1.5	56.64	4.721	0.106	19.95			
10/7/2003	10:35:01	1.8	56.64	4.719	0.108	19.95			
10/7/2003	10:35:02	2.1	56.64	4.719	0.108	19.97			
10/7/2003	10:35:02	2.4	56.64	4.721	0.106	19.97			
10/7/2003	10:35:02	2.7	56.64	4.721	0.106	19.97			
10/7/2003	10:35:03	3	56.66	4.719	0.108	19.98			
10/7/2003	10:35:03	3.3	56.66	4.721	0.106	19.98			

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Date	Time	Test Time Elapsed Sec	Temperature oF	Depth Below SWL Ft	Draw-down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	10:35:03	3.6	56.66	4.721	0.106	19.98			
10/7/2003	10:35:03	3.9	56.66	4.719	0.108	19.98			
10/7/2003	10:35:04	4.2	56.66	4.721	0.106	20.00			
10/7/2003	10:35:04	4.5	56.66	4.721	0.106	20.00			
10/7/2003	10:35:04	4.8	56.66	4.719	0.108	20.00			
10/7/2003	10:35:05	5.1	56.66	4.721	0.106	20.02			
10/7/2003	10:35:05	5.4	56.66	4.719	0.108	20.02			
10/7/2003	10:35:05	5.7	56.66	4.721	0.106	20.02			
10/7/2003	10:35:06	6	56.66	4.719	0.108	20.03			
10/7/2003	10:35:06	6.4	56.66	4.721	0.106	20.03			
10/7/2003	10:35:06	6.7	56.66	4.719	0.108	20.03			
10/7/2003	10:35:07	7.1	56.66	4.721	0.106	20.05	0.00		Pump Stop
10/7/2003	10:35:07	7.5	56.66	4.797	0.030	20.05	0.00		
10/7/2003	10:35:08	8	56.69	4.762	0.065	20.07	0.02	1204.00	
10/7/2003	10:35:08	8.4	56.69	4.789	0.038	20.07	0.02	1204.00	
10/7/2003	10:35:08	8.9	56.69	4.809	0.018	20.07	0.02	1204.00	
10/7/2003	10:35:09	9.5	56.69	4.819	0.008	20.08	0.03	602.50	
10/7/2003	10:35:10	10	56.66	4.821	0.006	20.10	0.05	402.00	
10/7/2003	10:35:10	10.6	56.66	4.821	0.006	20.10	0.05	402.00	
10/7/2003	10:35:11	11.3	56.66	4.821	0.006	20.12	0.07	301.75	
10/7/2003	10:35:11	11.9	56.66	4.819	0.008	20.12	0.07	301.75	
10/7/2003	10:35:12	12.6	56.66	4.825	0.002	20.13	0.08	241.60	
10/7/2003	10:35:13	13.4	56.64	4.823	0.004	20.15	0.10	201.50	
10/7/2003	10:35:14	14.2	56.64	4.821	0.006	20.17	0.12	172.86	
10/7/2003	10:35:15	15	56.64	4.821	0.006	20.18	0.13	151.38	
10/7/2003	10:35:15	15.9	56.64	4.821	0.006	20.18	0.13	151.38	
10/7/2003	10:35:16	16.8	56.64	4.821	0.006	20.20	0.15	134.67	
10/7/2003	10:35:17	17.8	56.64	4.821	0.006	20.22	0.17	121.30	
10/7/2003	10:35:18	18.9	56.64	4.821	0.006	20.23	0.18	110.36	
10/7/2003	10:35:20	20	56.64	4.819	0.008	20.27	0.22	93.54	
10/7/2003	10:35:21	21.2	56.64	4.821	0.006	20.28	0.23	86.93	
10/7/2003	10:35:22	22.4	56.62	4.822	0.005	20.30	0.25	81.20	
10/7/2003	10:35:23	23.8	56.64	4.821	0.006	20.32	0.27	76.19	
10/7/2003	10:35:25	25.2	56.62	4.822	0.005	20.35	0.30	67.83	
10/7/2003	10:35:26	26.7	56.62	4.823	0.004	20.37	0.32	64.32	
10/7/2003	10:35:28	28.2	56.62	4.822	0.005	20.40	0.35	58.29	
10/7/2003	10:35:29	29.8	56.62	4.822	0.005	20.42	0.37	55.68	
10/7/2003	10:35:31	31.5	56.62	4.822	0.005	20.45	0.40	51.13	
10/7/2003	10:35:33	33.3	56.59	4.822	0.005	20.48	0.43	47.27	
10/7/2003	10:35:35	35.2	56.59	4.822	0.005	20.52	0.47	43.96	
10/7/2003	10:35:37	37.3	56.59	4.822	0.005	20.55	0.50	41.10	
10/7/2003	10:35:39	39.5	56.59	4.822	0.005	20.58	0.53	38.59	
10/7/2003	10:35:41	41.8	56.59	4.822	0.005	20.62	0.57	36.38	
10/7/2003	10:35:44	44.3	56.57	4.822	0.005	20.67	0.62	33.51	
10/7/2003	10:35:46	46.9	56.57	4.822	0.005	20.70	0.65	31.85	
10/7/2003	10:35:49	49.7	56.57	4.822	0.005	20.75	0.70	29.64	
10/7/2003	10:35:52	52.6	56.55	4.822	0.005	20.80	0.75	27.73	
10/7/2003	10:35:55	55.7	56.55	4.824	0.003	20.85	0.80	26.06	
10/7/2003	10:35:59	59	56.53	4.822	0.005	20.92	0.87	24.13	
10/7/2003	10:36:02	62.5	56.53	4.824	0.003	20.97	0.92	22.87	
10/7/2003	10:36:06	66.2	56.5	4.823	0.004	21.03	0.98	21.39	
10/7/2003	10:36:10	70.1	56.5	4.825	0.002	21.10	1.05	20.10	
10/7/2003	10:36:14	74.3	56.48	4.823	0.004	21.17	1.12	18.96	
10/7/2003	10:36:18	78.7	56.48	4.823	0.004	21.23	1.18	17.94	
10/7/2003	10:36:23	83.4	56.46	4.825	0.002	21.32	1.27	16.83	
10/7/2003	10:36:28	88.4	56.46	4.825	0.002	21.40	1.35	15.85	
10/7/2003	10:36:33	93.7	56.44	4.823	0.004	21.48	1.43	14.99	
10/7/2003	10:36:39	99.3	56.44	4.825	0.002	21.58	1.53	14.08	
10/7/2003	10:36:45	105.2	56.41	4.825	0.002	21.68	1.63	13.28	
10/7/2003	10:36:51	111.5	56.41	4.825	0.002	21.78	1.73	12.57	
10/7/2003	10:36:58	118.1	56.39	4.826	0.001	21.90	1.85	11.84	
10/7/2003	10:37:05	125.1	56.37	4.824	0.003	22.02	1.97	11.19	
10/7/2003	10:37:12	132.6	56.37	4.828	-0.001	22.13	2.08	10.62	
10/7/2003	10:37:20	140.5	56.35	4.824	0.003	22.27	2.22	10.05	
10/7/2003	10:37:28	148.9	56.32	4.824	0.003	22.40	2.35	9.53	
10/7/2003	10:37:37	157.8	56.32	4.824	0.003	22.55	2.50	9.02	
10/7/2003	10:37:47	167.2	56.3	4.827	0.000	22.72	2.67	8.52	
10/7/2003	10:37:57	177.2	56.3	4.827	0.000	22.88	2.83	8.08	
10/7/2003	10:38:07	187.8	56.28	4.827	0.000	23.05	3.00	7.68	

Well No. **SEA-608**

Date	Time	Test Time Elapsed Sec	Temp- erature oF	Depth Below SWL Ft	Draw- down Ft	Time Since Pump Start t min	Time Since Pump Stop t' min	t/t'	Comments
10/7/2003	10:38:19	199	56.28	4.827	0.000	23.25	3.20	7.27	
10/7/2003	10:38:30	210.9	56.26	4.827	0.000	23.43	3.38	6.93	
10/7/2003	10:38:43	223.5	56.26	4.827	0.000	23.65	3.60	6.57	
10/7/2003	10:38:56	236.8	56.23	4.825	0.002	23.87	3.82	6.25	
10/7/2003	10:39:10	250.9	56.23	4.827	0.000	24.10	4.05	5.95	
10/7/2003	10:39:25	265.8	56.23	4.827	0.000	24.35	4.30	5.66	
10/7/2003	10:39:41	281.6	56.21	4.827	0.000	24.62	4.57	5.39	
10/7/2003	10:39:58	298.4	56.21	4.827	0.000	24.90	4.85	5.13	
10/7/2003	10:45:00								DTW = 13.22 at 10:45