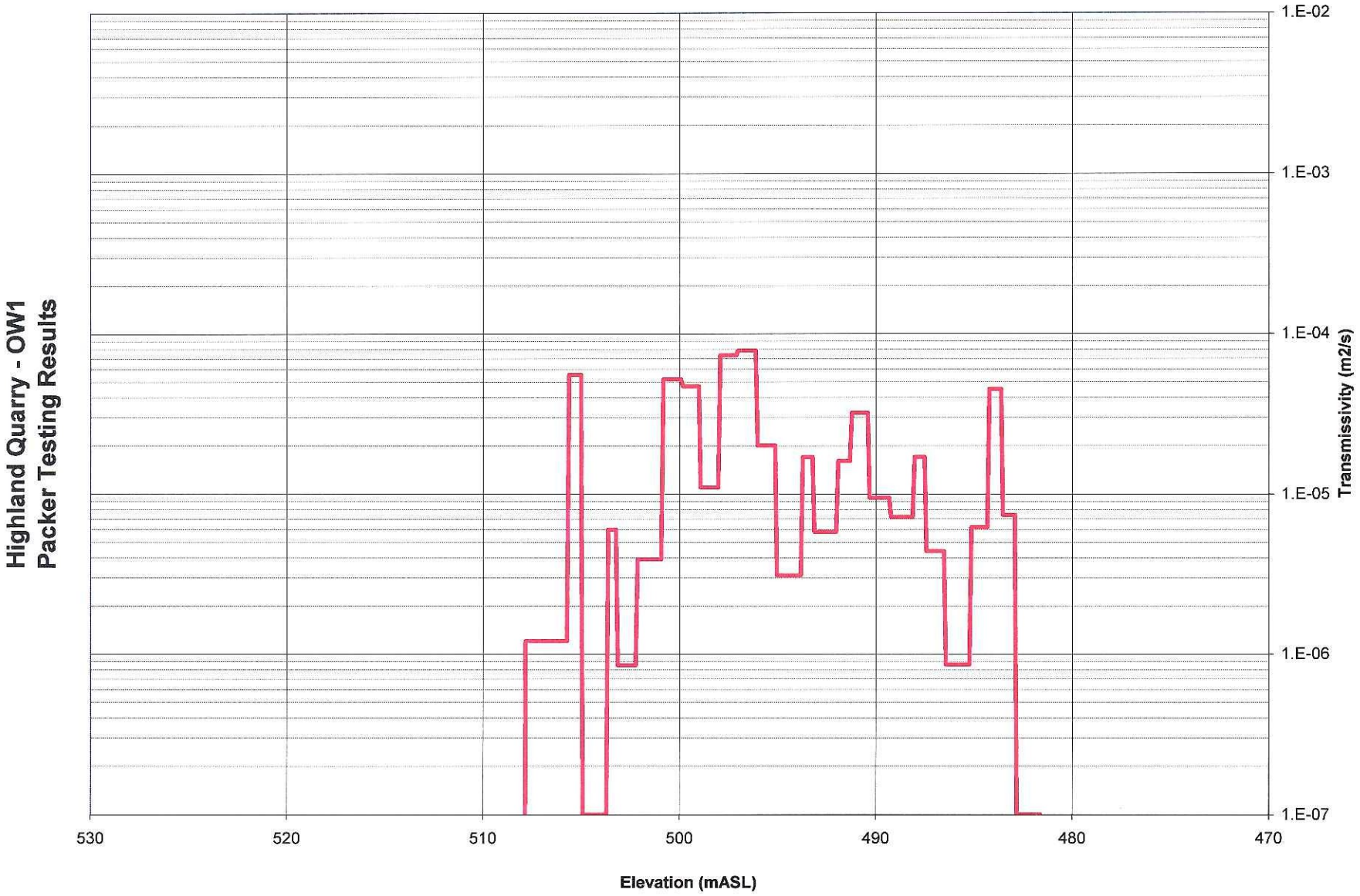
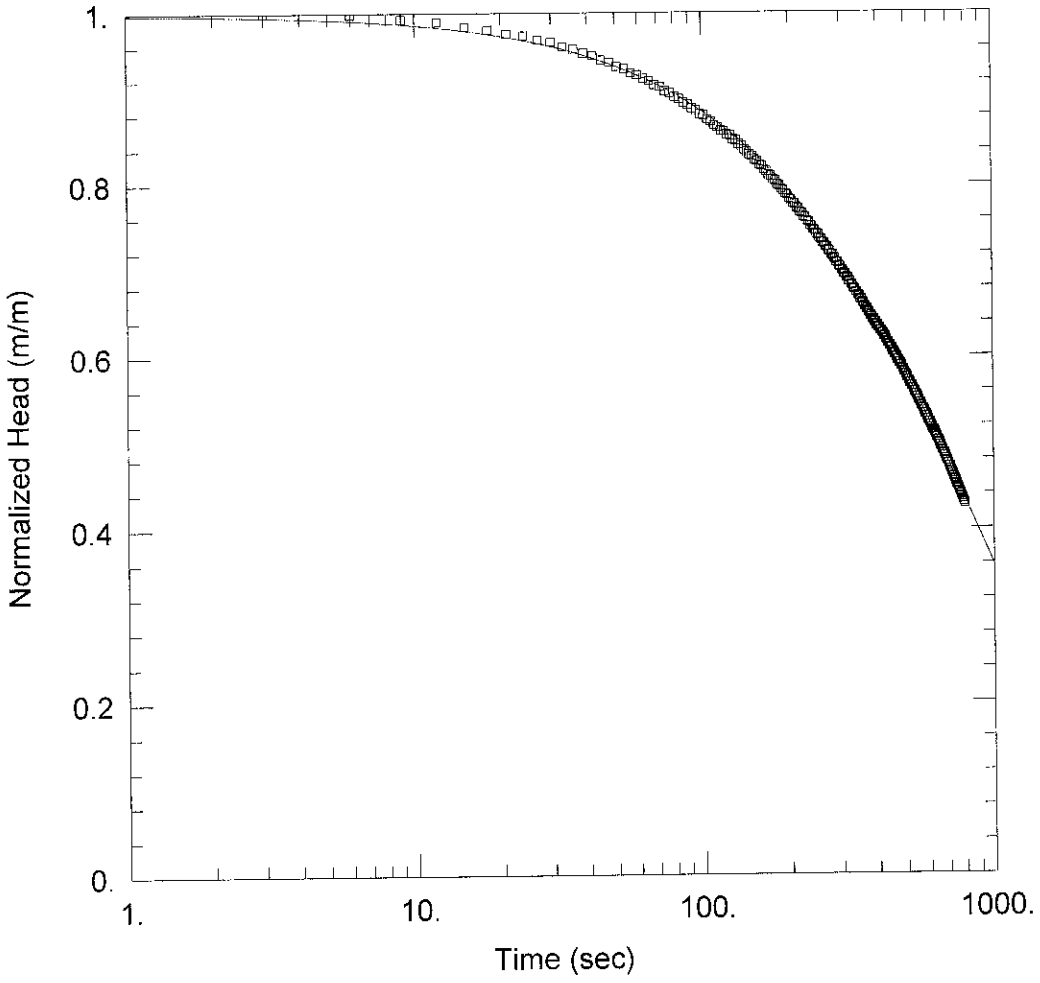

Highland Quarry - OW1
Packer Testing Results
1.E-02
1.E-03
1.E-04
1.E-05
1.E-06
1.E-07
Transmissivity (m2/s)
530
520
510
500
490
480
470
Elevation (mASL)

Highland Quarry Packer Testing Results
OW1-04

Test Interval	Depth (m)		Elevation (masl)		Transmissivity (m^2/s)	Hydraulic Conductivity (m/s)	Storativity
OW1-P1	4.4	5.6	507.8	506.6	1.E-06	1.E-06	1.E-08
OW1-P2	5.3	6.5	506.8	505.6	1.E-06	1.E-06	1.E-08
OW1-P3	6.2	7.4	505.9	504.7	6.E-05	5.E-05	N/A
OW1-P4	7.3	8.5	504.9	503.7	*1.E-07*	*8.E-08*	N/A
OW1-P5	8.2	9.4	504.0	502.8	6.E-06	5.E-06	N/A
OW1-P6	9.1	10.3	503.0	501.8	9.E-07	7.E-07	1.E-08
OW1-P7	10.1	11.3	502.1	500.9	4.E-06	3.E-06	1.E-10
OW1-P8	11.1	12.3	501.1	499.9	5.E-05	4.E-05	N/A
OW1-P9	12.0	13.2	500.1	498.9	5.E-05	4.E-05	N/A
OW1-P10	13.0	14.2	499.2	498.0	1.E-05	9.E-06	1.E-10
OW1-P11	14.0	15.2	498.2	497.0	7.E-05	6.E-05	1.E-19
OW1-P12	15.2	16.4	496.9	495.7	8.E-05	7.E-05	1.E-20
OW1-P13	16.2	17.4	496.0	494.8	2.E-05	2.E-05	1.E-10
OW1-P14	17.2	18.4	495.0	493.8	3.E-06	3.E-06	1.E-10
OW1-P15	18.1	19.3	494.0	492.8	2.E-05	1.E-05	1.E-19
OW1-P16	19.1	20.3	493.1	491.9	6.E-06	5.E-06	1.E-10
OW1-P17	20.1	21.3	492.1	490.9	2.E-05	1.E-05	1.E-19
OW1-P18	21.0	22.2	491.2	490.0	3.E-05	3.E-05	2.E-20
OW1-P19	21.9	23.1	490.2	489.0	1.E-05	8.E-06	1.E-10
OW1-P20	23.0	24.2	489.2	488.0	7.E-06	6.E-06	1.E-20
OW1-P21	23.9	25.1	488.3	487.1	2.E-05	1.E-05	1.E-20
OW1-P22	24.8	26.0	487.3	486.1	4.E-06	4.E-06	1.E-10
OW1-P23	25.8	27.0	486.4	485.2	9.E-07	7.E-07	1.E-05
OW1-P24	26.8	28.0	485.4	484.2	6.E-06	5.E-06	1.E-20
OW1-P25	27.7	28.9	484.4	483.2	5.E-05	4.E-05	1.E-20
OW1-P26	28.7	29.9	483.5	482.3	7.E-06	6.E-06	1.E-20
OW1-P27	29.4	30.6	482.8	481.6	*1.E-07*	*8.E-08*	N/A
Range					**8 E-5 to < 1 E-7**	**7 E-5 to < 8 E-8**	
Harmonic Mean					**1.E-06**	**9.E-07**	

Notes: 1.E-7 represents zone where the response was at least as low as 1.0×10^{-7} m2/s (I.e. too slow to test)



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p1)

Initial Displacement: -2.767 m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0158 m

Static Water Column Height: 3.93 m
Screen Length: 1.2 m
Wellbore Radius: 0.05 m

SOLUTION

Aquifer Model: Confined

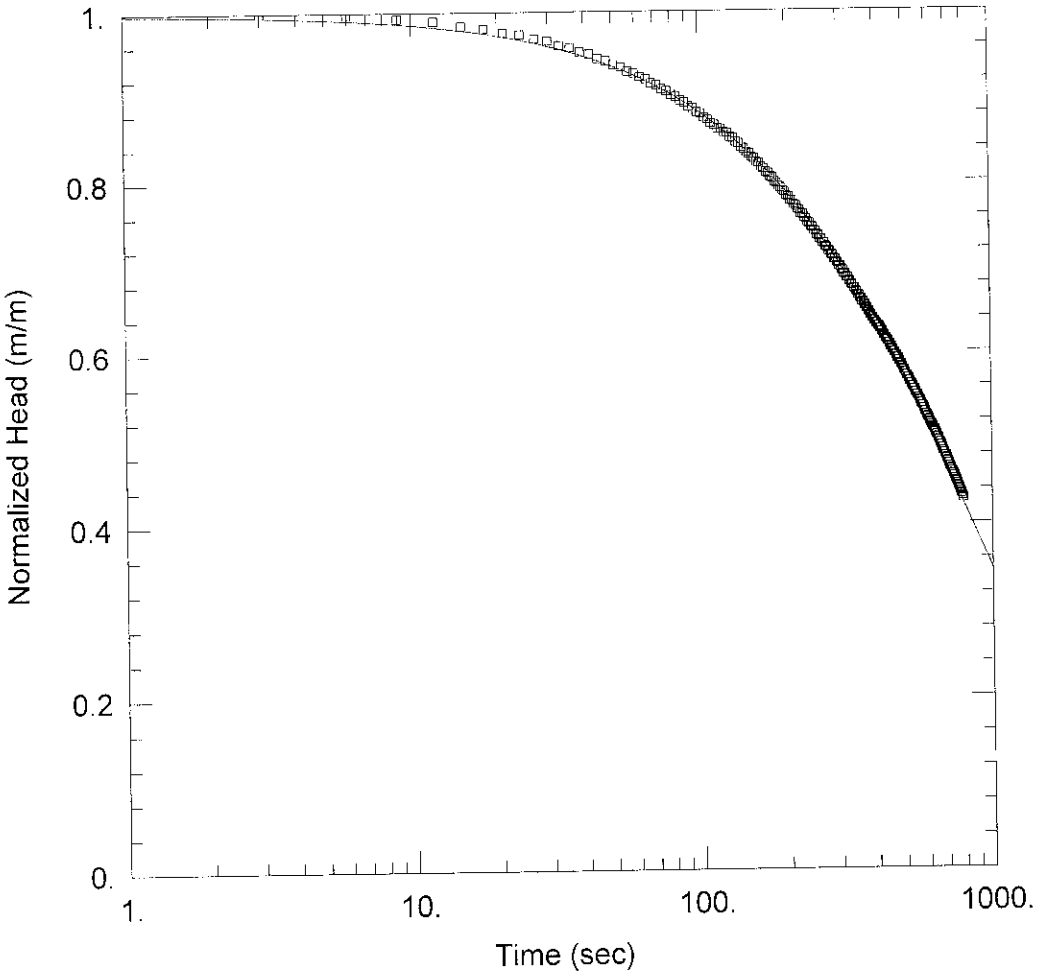
Solution Method: Cooper et al.

T = 1.164E-6 m^2/sec

S = 1.0E-8

Packer Test- OW1-P1

Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.
3	-2.77	102	-2.43	201	-2.17	300	-1.95	399	-1.76	498	-1.61	597	-1.45	696	-1.32
6	-2.76	105	-2.42	204	-2.16	303	-1.94	402	-1.76	501	-1.60	600	-1.45	699	-1.31
9	-2.75	108	-2.41	207	-2.15	306	-1.93	405	-1.75	504	-1.60	603	-1.45	702	-1.31
12	-2.74	111	-2.40	210	-2.15	309	-1.92	408	-1.75	507	-1.59	606	-1.44	705	-1.30
15	-2.72	114	-2.40	213	-2.14	312	-1.92	411	-1.74	510	-1.59	609	-1.44	708	-1.30
18	-2.71	117	-2.38	216	-2.13	315	-1.91	414	-1.74	513	-1.58	612	-1.43	711	-1.29
21	-2.70	120	-2.38	219	-2.12	318	-1.91	417	-1.73	516	-1.58	615	-1.43	714	-1.29
24	-2.69	123	-2.37	222	-2.12	321	-1.90	420	-1.73	519	-1.57	618	-1.43	717	-1.29
27	-2.68	126	-2.37	225	-2.11	324	-1.90	423	-1.72	522	-1.57	621	-1.42	720	-1.29
30	-2.67	129	-2.36	228	-2.10	327	-1.89	426	-1.72	525	-1.56	624	-1.42	723	-1.28
33	-2.66	132	-2.35	231	-2.09	330	-1.89	429	-1.71	528	-1.56	627	-1.41	726	-1.28
36	-2.65	135	-2.34	234	-2.09	333	-1.88	432	-1.71	531	-1.55	630	-1.41	729	-1.27
39	-2.64	138	-2.34	237	-2.08	336	-1.87	435	-1.70	534	-1.55	633	-1.41	732	-1.27
42	-2.63	141	-2.32	240	-2.08	339	-1.86	438	-1.70	537	-1.54	636	-1.40	735	-1.26
45	-2.61	144	-2.32	243	-2.07	342	-1.86	441	-1.69	540	-1.54	639	-1.40	738	-1.26
48	-2.61	147	-2.31	246	-2.06	345	-1.85	444	-1.69	543	-1.53	642	-1.40	741	-1.25
51	-2.59	150	-2.30	249	-2.05	348	-1.85	447	-1.68	546	-1.53	645	-1.39	744	-1.25
54	-2.59	153	-2.29	252	-2.05	351	-1.84	450	-1.68	549	-1.53	648	-1.39	747	-1.25
57	-2.57	156	-2.29	255	-2.04	354	-1.84	453	-1.67	552	-1.52	651	-1.38	750	-1.25
60	-2.57	159	-2.27	258	-2.03	357	-1.83	456	-1.67	555	-1.52	654	-1.38	753	-1.24
63	-2.55	162	-2.27	261	-2.02	360	-1.83	459	-1.66	558	-1.52	657	-1.37	756	-1.24
66	-2.55	165	-2.26	264	-2.02	363	-1.82	462	-1.66	561	-1.51	660	-1.37	759	-1.23
69	-2.53	168	-2.25	267	-2.01	366	-1.82	465	-1.66	564	-1.51	663	-1.36	762	-1.23
72	-2.53	171	-2.24	270	-2.01	369	-1.81	468	-1.65	567	-1.50	666	-1.36	765	-1.22
75	-2.51	174	-2.24	273	-2.00	372	-1.81	471	-1.65	570	-1.50	669	-1.35	768	-1.22
78	-2.51	177	-2.23	276	-2.00	375	-1.80	474	-1.64	573	-1.49	672	-1.35	771	-1.21
81	-2.49	180	-2.22	279	-1.99	378	-1.80	477	-1.64	576	-1.49	675	-1.35	774	-1.21
84	-2.49	183	-2.21	282	-1.98	381	-1.79	480	-1.64	579	-1.48	678	-1.34	777	-1.21
87	-2.48	186	-2.21	285	-1.97	384	-1.79	483	-1.63	582	-1.48	681	-1.34	780	-1.21
90	-2.47	189	-2.20	288	-1.97	387	-1.78	486	-1.63	585	-1.47	684	-1.34	783	-1.20
93	-2.46	192	-2.19	291	-1.96	390	-1.78	489	-1.62	588	-1.47	687	-1.33	786	-1.20
96	-2.45	195	-2.18	294	-1.96	393	-1.77	492	-1.62	591	-1.46	690	-1.33	789	-1.19
99	-2.44	198	-2.18	297	-1.95	396	-1.77	495	-1.61	594	-1.46	693	-1.32	792	-1.19



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p2)

Initial Displacement: -2.767 m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0158 m

Static Water Column Height: 3.93 m
Screen Length: 1.2 m
Wellbore Radius: 0.05 m

SOLUTION

Aquifer Model: Confined

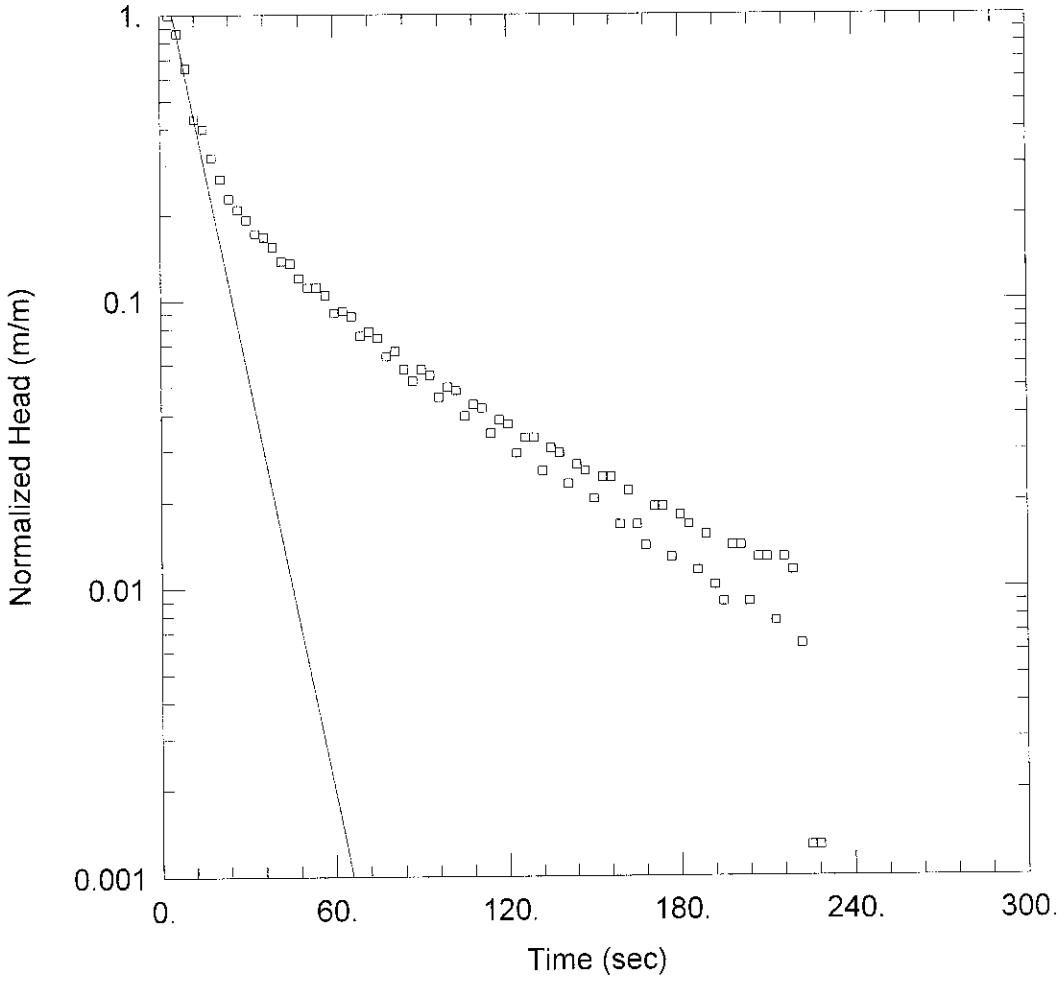
$T = 1.203E\text{-}6\ m^2/sec$

Solution Method: Cooper et al.

S = 1.0E-8

Packer Test- OW1-P2-w

Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.
3	-2.77	102	-2.433	201	-2.165	300	-1.945	399	-1.757	498	-1.606	597	-1.453	696	-1.32	795	-1.183
6	-2.76	105	-2.42	204	-2.161	303	-1.935	402	-1.757	501	-1.598	600	-1.452	699	-1.31		
9	-2.75	108	-2.414	207	-2.15	306	-1.933	405	-1.749	504	-1.597	603	-1.445	702	-1.31		
12	-2.74	111	-2.402	210	-2.147	309	-1.924	408	-1.748	507	-1.589	606	-1.443	705	-1.3		
15	-2.72	114	-2.396	213	-2.136	312	-1.921	411	-1.741	510	-1.588	609	-1.436	708	-1.3		
18	-2.71	117	-2.384	216	-2.132	315	-1.911	414	-1.74	513	-1.579	612	-1.434	711	-1.29		
21	-2.70	120	-2.382	219	-2.121	318	-1.909	417	-1.732	516	-1.579	615	-1.427	714	-1.29		
24	-2.69	123	-2.372	222	-2.118	321	-1.9	420	-1.731	519	-1.571	618	-1.427	717	-1.29		
27	-2.68	126	-2.369	225	-2.107	324	-1.897	423	-1.723	522	-1.569	621	-1.42	720	-1.29		
30	-2.67	129	-2.356	228	-2.103	327	-1.888	426	-1.721	525	-1.561	624	-1.42	723	-1.28		
33	-2.66	132	-2.352	231	-2.093	330	-1.885	429	-1.712	528	-1.56	627	-1.413	726	-1.28		
36	-2.65	135	-2.34	234	-2.089	333	-1.876	432	-1.71	531	-1.552	630	-1.412	729	-1.27		
39	-2.64	138	-2.335	237	-2.078	336	-1.874	435	-1.702	534	-1.551	633	-1.405	732	-1.27		
42	-2.63	141	-2.323	240	-2.075	339	-1.864	438	-1.701	537	-1.543	636	-1.403	735	-1.26		
45	-2.61	144	-2.317	243	-2.065	342	-1.863	441	-1.693	540	-1.542	639	-1.396	738	-1.26		
48	-2.61	147	-2.306	246	-2.061	345	-1.853	444	-1.691	543	-1.534	642	-1.395	741	-1.25		
51	-2.59	150	-2.301	249	-2.051	348	-1.851	447	-1.683	546	-1.534	645	-1.387	744	-1.25		
54	-2.59	153	-2.29	252	-2.048	351	-1.842	450	-1.682	549	-1.525	648	-1.387	747	-1.25		
57	-2.57	156	-2.286	255	-2.038	354	-1.84	453	-1.673	552	-1.524	651	-1.38	750	-1.25		
60	-2.57	159	-2.274	258	-2.034	357	-1.831	456	-1.672	555	-1.516	654	-1.378	753	-1.24		
63	-2.55	162	-2.27	261	-2.024	360	-1.829	459	-1.664	558	-1.515	657	-1.371	756	-1.24		
66	-2.55	165	-2.258	264	-2.021	363	-1.82	462	-1.663	561	-1.507	660	-1.369	759	-1.23		
69	-2.53	168	-2.253	267	-2.011	366	-1.818	465	-1.655	564	-1.506	663	-1.362	762	-1.23		
72	-2.53	171	-2.242	270	-2.009	369	-1.809	468	-1.654	567	-1.498	666	-1.361	765	-1.22		
75	-2.51	174	-2.238	273	-1.999	372	-1.808	471	-1.645	570	-1.497	669	-1.354	768	-1.22		
78	-2.51	177	-2.226	276	-1.995	375	-1.799	474	-1.644	573	-1.489	672	-1.353	771	-1.21		
81	-2.49	180	-2.222	279	-1.985	378	-1.797	477	-1.636	576	-1.488	675	-1.345	774	-1.21		
84	-2.49	183	-2.21	282	-1.983	381	-1.788	480	-1.635	579	-1.48	678	-1.344	777	-1.21		
87	-2.48	186	-2.206	285	-1.973	384	-1.787	483	-1.627	582	-1.48	681	-1.336	780	-1.21		
90	-2.47	189	-2.196	288	-1.97	387	-1.778	486	-1.626	585	-1.471	684	-1.336	783	-1.2		
93	-2.46	192	-2.191	291	-1.96	390	-1.776	489	-1.617	588	-1.471	687	-1.328	786	-1.2		
96	-2.45	195	-2.18	294	-1.958	393	-1.767	492	-1.616	591	-1.462	690	-1.327	789	-1.19		
99	-2.44	198	-2.177	297	-1.948	396	-1.766	495	-1.607	594	-1.462	693	-1.32	792	-1.19		



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p3-w)

Initial Displacement: -0.785 m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0159 m

Static Water Column Height: 4.56 m
Screen Length: 1.2 m
Wellbore Radius: 0.048 m

SOLUTION

Aquifer Model: Confined

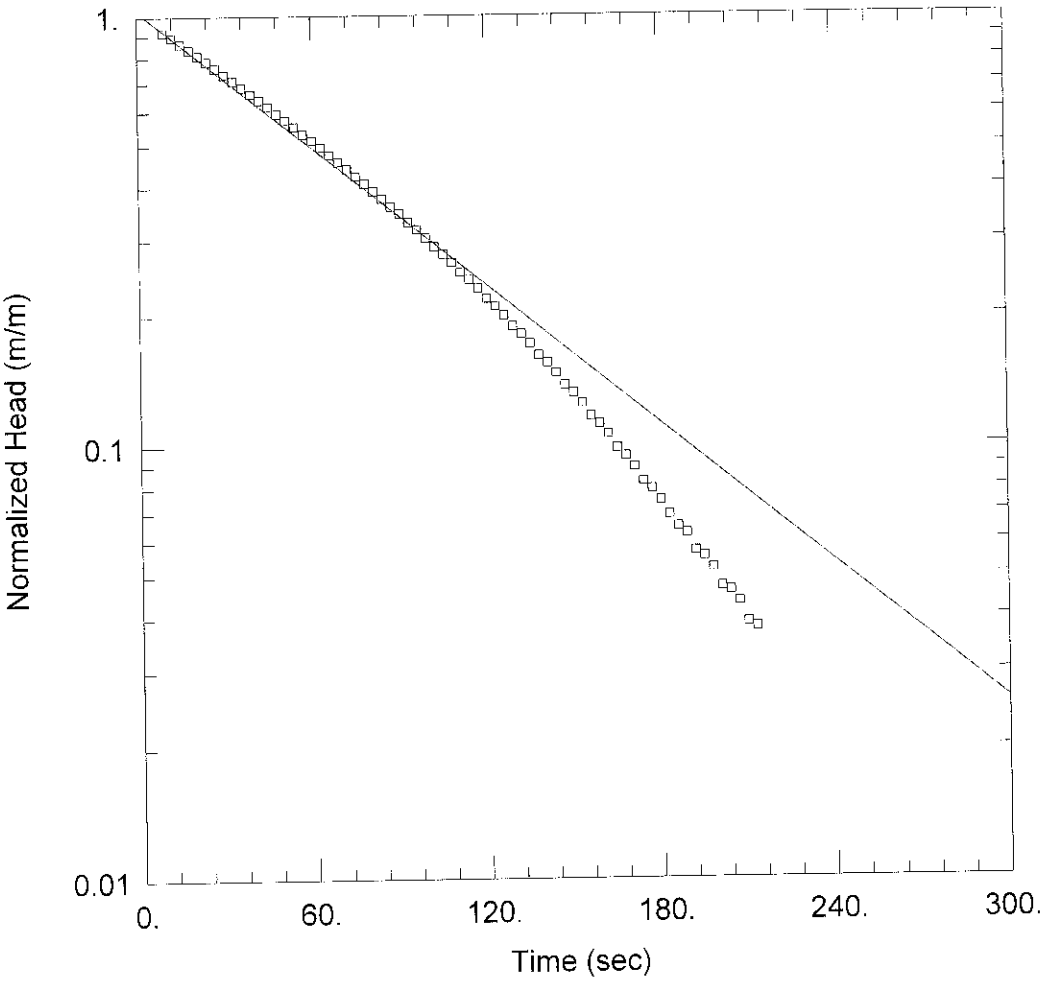
K = 4.64E-5 m/sec

Solution Method: Hvorslev

y0 = -1.308 m

Packer Test- OW1-P3-w

Time	Displ.	Time	Displ.	Time	Displ.
3	-0.79	102	-0.038	201	-0.011
6	-0.68	105	-0.031	204	-0.007
9	-0.51	108	-0.034	207	-0.01
12	-0.34	111	-0.033	210	-0.01
15	-0.31	114	-0.027	213	-0.006
18	-0.25	117	-0.03	216	-0.01
21	-0.21	120	-0.029	219	-0.009
24	-0.18	123	-0.023	222	-0.005
27	-0.16	126	-0.026	225	-0.001
30	-0.15	129	-0.026	228	-0.001
33	-0.14	132	-0.02		
36	-0.13	135	-0.024		
39	-0.12	138	-0.023		
42	-0.11	141	-0.018		
45	-0.11	144	-0.021		
48	-0.09	147	-0.02		
51	-0.09	150	-0.016		
54	-0.09	153	-0.019		
57	-0.08	156	-0.019		
60	-0.07	159	-0.013		
63	-0.07	162	-0.017		
66	-0.07	165	-0.013		
69	-0.06	168	-0.011		
72	-0.06	171	-0.015		
75	-0.06	174	-0.015		
78	-0.05	177	-0.01		
81	-0.05	180	-0.014		
84	-0.05	183	-0.013		
87	-0.04	186	-0.009		
90	-0.05	189	-0.012		
93	-0.04	192	-0.008		
96	-0.04	195	-0.007		
99	-0.04	198	-0.011		



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p5-w)

Initial Displacement: -3.05 m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0158 m

Static Water Column Height: 6.06 m
Screen Length: 1.2 m
Wellbore Radius: 0.05 m

SOLUTION

Aquifer Model: Confined

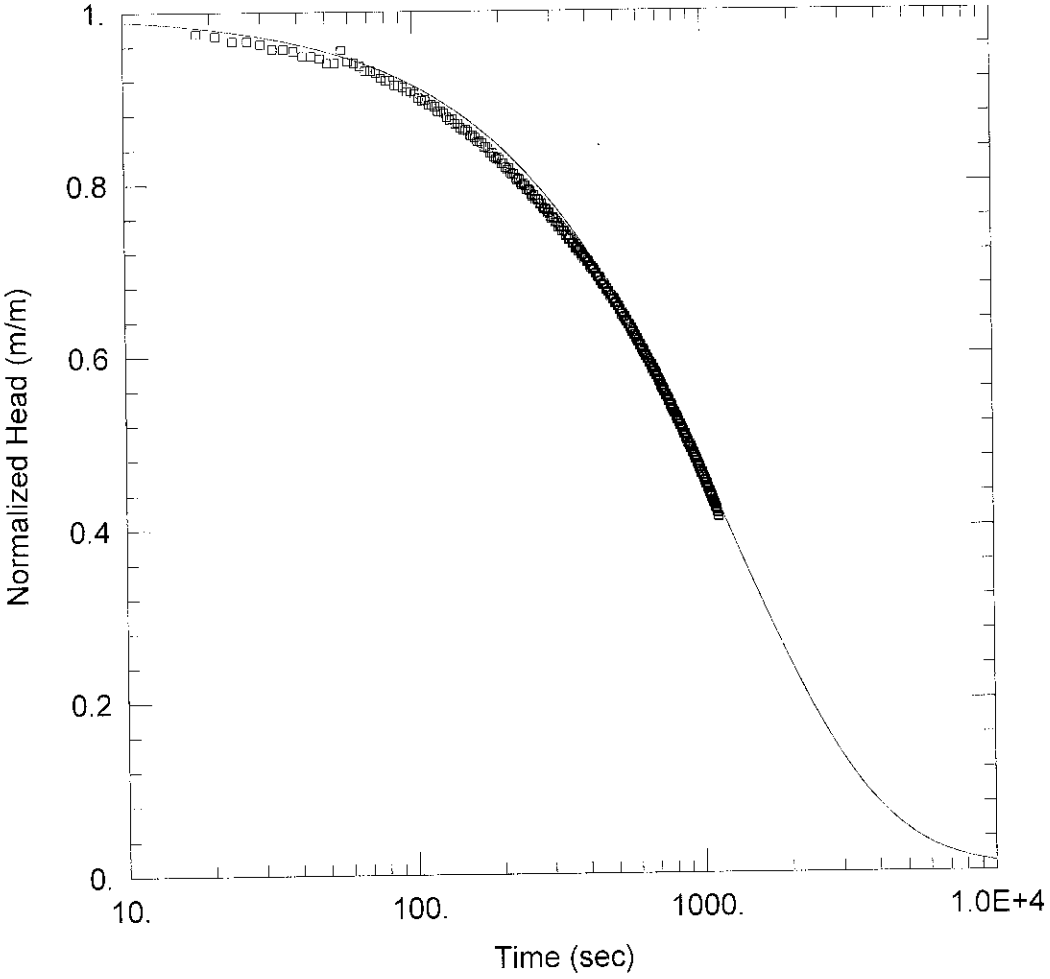
K = 4.963E-6 m/sec

Solution Method: Hvorslev

y0 = -3.157 m

Packer Test- OW1-P5-w

Time	Displ.	Time	Displ.	Time	Displ.
9	-2.80	108	-0.811	207	-0.132
12	-2.73	111	-0.77	210	-0.118
15	-2.64	114	-0.739	213	-0.115
18	-2.56	117	-0.705		
21	-2.48	120	-0.668		
24	-2.39	123	-0.641		
27	-2.31	126	-0.61		
30	-2.24	129	-0.576		
33	-2.16	132	-0.553		
36	-2.09	135	-0.525		
39	-2.01	138	-0.493		
42	-1.95	141	-0.473		
45	-1.88	144	-0.448		
48	-1.81	147	-0.42		
51	-1.75	150	-0.403		
54	-1.69	153	-0.381		
57	-1.62	156	-0.356		
60	-1.57	159	-0.341		
63	-1.51	162	-0.323		
66	-1.45	165	-0.3		
69	-1.40	168	-0.287		
72	-1.34	171	-0.271		
75	-1.29	174	-0.251		
78	-1.24	177	-0.241		
81	-1.19	180	-0.227		
84	-1.14	183	-0.21		
87	-1.10	186	-0.197		
90	-1.05	189	-0.19		
93	-1.01	192	-0.173		
96	-0.97	195	-0.168		
99	-0.93	198	-0.158		
102	-0.88	201	-0.143		
105	-0.85	204	-0.14		



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p6-w)

Initial Displacement: -2.79 m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0159 m

Static Water Column Height: 7.67 m
Screen Length: 1.2 m
Wellbore Radius: 0.048 m

SOLUTION

Aquifer Model: Confined

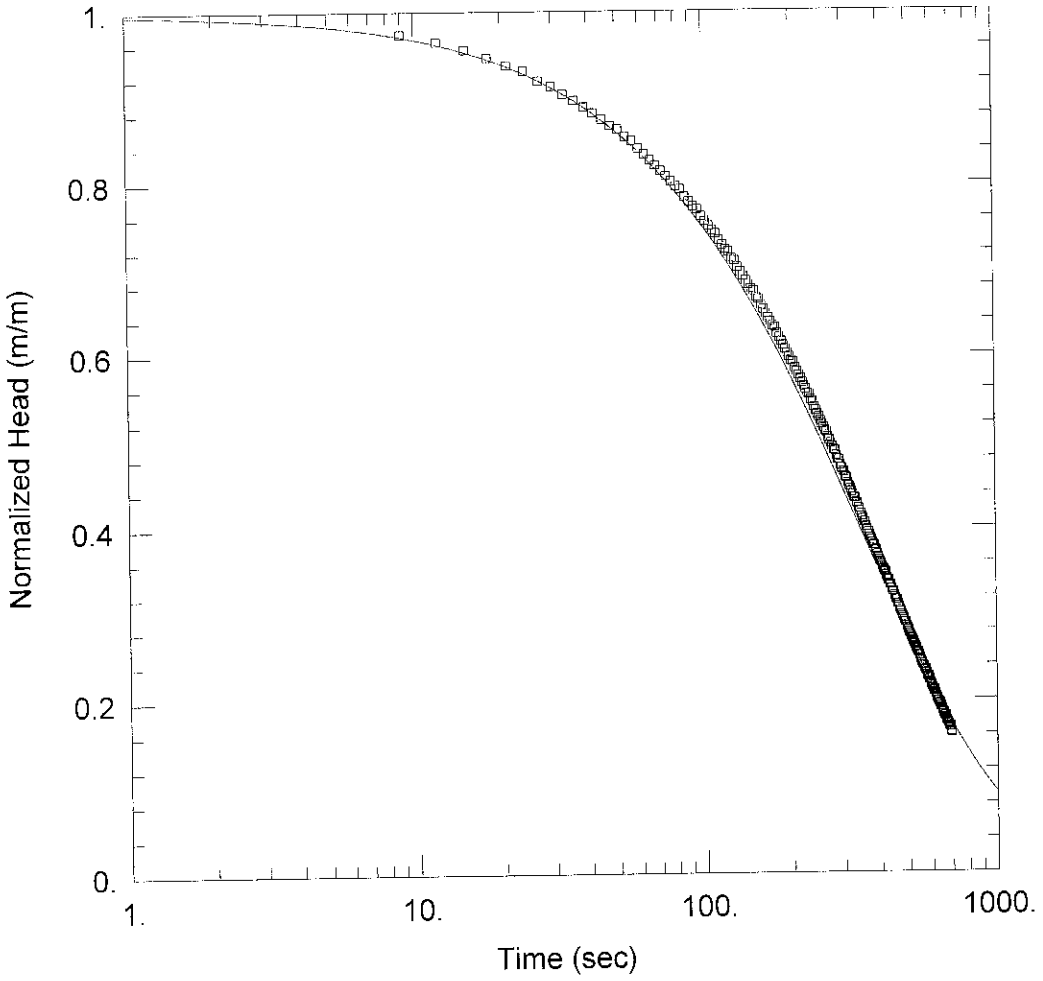
$T = 8.528E\text{-}7\ m^2/sec$

Solution Method: Cooper et al.

S = 1.0E-8

Packer Test- OW1-P6-w

Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.
18	-2.72	117	-2.486	216	-2.278	315	-2.105	414	-1.956	513	-1.83	612	-1.705	711	-1.586	810	-1.474	909	-1.373	1008	-1.273	1107	-1.179
21	-2.71	120	-2.479	219	-2.264	318	-2.1	417	-1.96	516	-1.827	615	-1.701	714	-1.583	813	-1.471	912	-1.37	1011	-1.264	1110	-1.177
24	-2.70	123	-2.464	222	-2.258	321	-2.087	420	-1.948	519	-1.815	618	-1.691	717	-1.573	816	-1.461	915	-1.36	1014	-1.26	1113	-1.168
27	-2.70	126	-2.465	225	-2.26	324	-2.09	423	-1.951	522	-1.819	621	-1.686	720	-1.569	819	-1.464	918	-1.363	1017	-1.265	1116	-1.171
30	-2.69	129	-2.459	228	-2.247	327	-2.086	426	-1.947	525	-1.807	624	-1.69	723	-1.573	822	-1.462	921	-1.354	1020	-1.262	1119	-1.162
33	-2.67	132	-2.444	231	-2.241	330	-2.074	429	-1.936	528	-1.802	627	-1.679	726	-1.561	825	-1.451	924	-1.35	1023	-1.252	1122	-1.158
36	-2.67	135	-2.436	234	-2.244	333	-2.076	432	-1.938	531	-1.807	630	-1.683	729	-1.565	828	-1.454	927	-1.354	1026	-1.256	1125	-1.151
39	-2.66	138	-2.438	237	-2.23	336	-2.072	435	-1.927	534	-1.803	633	-1.671	732	-1.562	831	-1.444	930	-1.352	1029	-1.254	1128	-1.147
42	-2.65	141	-2.423	240	-2.224	339	-2.059	438	-1.923	537	-1.792	636	-1.667	735	-1.551	834	-1.441	933	-1.341	1032	-1.243		
45	-2.65	144	-2.425	243	-2.228	342	-2.062	441	-1.926	540	-1.795	639	-1.672	738	-1.555	837	-1.445	936	-1.345	1035	-1.248		
48	-2.64	147	-2.41	246	-2.222	345	-2.058	444	-1.922	543	-1.784	642	-1.669	741	-1.552	840	-1.442	939	-1.342	1038	-1.244		
51	-2.62	150	-2.403	249	-2.209	348	-2.046	447	-1.91	546	-1.779	645	-1.657	744	-1.541	843	-1.431	942	-1.332	1041	-1.234		
54	-2.62	153	-2.405	252	-2.211	351	-2.05	450	-1.913	549	-1.784	648	-1.66	747	-1.537	846	-1.436	945	-1.336	1044	-1.239		
57	-2.67	156	-2.399	255	-2.206	354	-2.045	453	-1.902	552	-1.78	651	-1.657	750	-1.542	849	-1.432	948	-1.334	1047	-1.236		
60	-2.63	159	-2.384	258	-2.193	357	-2.033	456	-1.898	555	-1.769	654	-1.646	753	-1.531	852	-1.422	951	-1.323	1050	-1.226		
63	-2.62	162	-2.386	261	-2.187	360	-2.036	459	-1.902	558	-1.772	657	-1.649	756	-1.535	855	-1.426	954	-1.319	1053	-1.223		
66	-2.61	165	-2.379	264	-2.19	363	-2.031	462	-1.898	561	-1.769	660	-1.646	759	-1.531	858	-1.416	957	-1.323	1056	-1.227		
69	-2.60	168	-2.365	267	-2.177	366	-2.019	465	-1.887	564	-1.758	663	-1.635	762	-1.52	861	-1.412	960	-1.313	1059	-1.217		
72	-2.60	171	-2.367	270	-2.18	369	-2.022	468	-1.882	567	-1.753	666	-1.639	765	-1.524	864	-1.416	963	-1.318	1062	-1.221		
75	-2.59	174	-2.361	273	-2.175	372	-2.018	471	-1.886	570	-1.757	669	-1.635	768	-1.522	867	-1.414	966	-1.315	1065	-1.219		
78	-2.57	177	-2.347	276	-2.162	375	-2.008	474	-1.875	573	-1.745	672	-1.624	771	-1.511	870	-1.404	969	-1.305	1068	-1.208		
81	-2.57	180	-2.349	279	-2.164	378	-2.012	477	-1.877	576	-1.749	675	-1.628	774	-1.506	873	-1.4	972	-1.309	1071	-1.213		
84	-2.57	183	-2.343	282	-2.152	381	-2.01	480	-1.866	579	-1.745	678	-1.626	777	-1.51	876	-1.404	975	-1.306	1074	-1.21		
87	-2.55	186	-2.328	285	-2.146	384	-1.999	483	-1.862	582	-1.735	681	-1.615	780	-1.499	879	-1.394	978	-1.296	1077	-1.201		
90	-2.55	189	-2.33	288	-2.149	387	-1.994	486	-1.866	585	-1.738	684	-1.617	783	-1.504	882	-1.398	981	-1.3	1080	-1.197		
93	-2.54	192	-2.316	291	-2.144	390	-1.998	489	-1.862	588	-1.734	687	-1.615	786	-1.494	885	-1.395	984	-1.298	1083	-1.202		
96	-2.53	195	-2.309	294	-2.132	393	-1.985	492	-1.85	591	-1.724	690	-1.604	789	-1.49	888	-1.384	987	-1.287	1086	-1.191		
99	-2.53	198	-2.313	297	-2.135	396	-1.989	495	-1.854	594	-1.719	693	-1.608	792	-1.494	891	-1.389	990	-1.291	1089	-1.195		
102	-2.52	201	-2.307	300	-2.121	399	-1.985	498	-1.851	597	-1.724	696	-1.604	795	-1.484	894	-1.379	993	-1.289	1092	-1.193		
105	-2.51	204	-2.293	303	-2.116	402	-1.973	501	-1.839	600	-1.712	699	-1.593	798	-1.48	897	-1.376	996	-1.279	1095	-1.183		
108	-2.50	207	-2.295	306	-2.119	405	-1.977	504	-1.842	603	-1.716	702	-1.597	801	-1.484	900	-1.381	999	-1.283	1098	-1.188		
111	-2.50	210	-2.281	309	-2.115	408	-1.973	507	-1.838	606	-1.705	705	-1.593	804	-1.481	903	-1.371	1002	-1.28	1101	-1.186		
114	-2.49	213	-2.274	312	-2.101	411	-1.961	510	-1.827	609	-1.701	708	-1.583	807	-1.47	906	-1.368	1005	-1.269	1104	-1.176		



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p7)

Initial Displacement: -3. m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0159 m

Static Water Column Height: 7.15 m
Screen Length: 1.2 m
Wellbore Radius: 0.048 m

SOLUTION

Aquifer Model: Confined

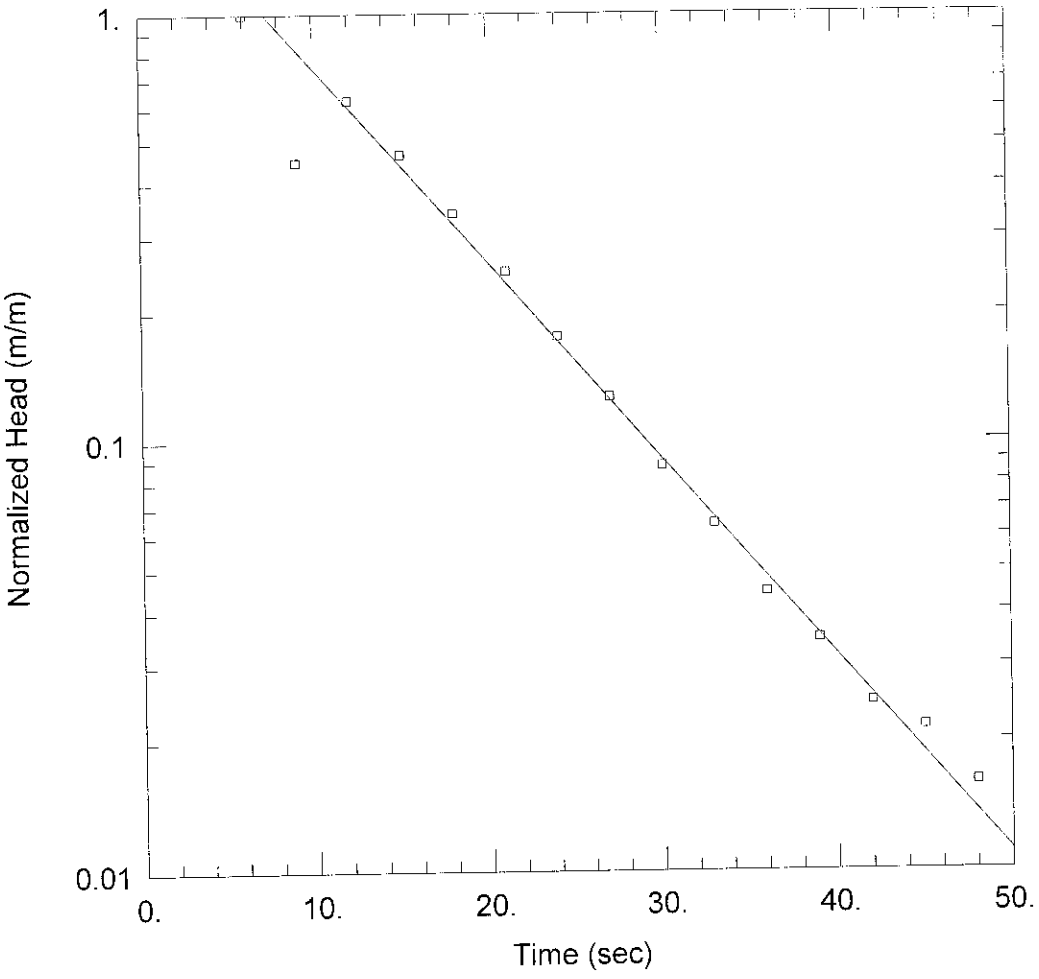
$T = 3.89E\text{-}6\ m^2/sec$

Solution Method: Cooper et al.

S = 1.0E-10

Packer Test- OW1-P7-w

Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.
9	-2.92	108	-2.232	207	-1.751	306	-1.372	405	-1.067	504	-0.824	603	-0.632
12	-2.90	111	-2.222	210	-1.737	309	-1.368	408	-1.059	507	-0.817	606	-0.626
15	-2.87	114	-2.198	213	-1.725	312	-1.351	411	-1.051	510	-0.811	609	-0.628
18	-2.84	117	-2.182	216	-1.713	315	-1.34	414	-1.044	513	-0.805	612	-0.616
21	-2.81	120	-2.166	219	-1.699	318	-1.33	417	-1.042	516	-0.798	615	-0.617
24	-2.79	123	-2.158	222	-1.687	321	-1.32	420	-1.027	519	-0.792	618	-0.607
27	-2.76	126	-2.135	225	-1.676	324	-1.311	423	-1.019	522	-0.786	621	-0.601
30	-2.74	129	-2.126	228	-1.662	327	-1.301	426	-1.011	525	-0.779	624	-0.595
33	-2.71	132	-2.103	231	-1.658	330	-1.298	429	-1.011	528	-0.774	627	-0.591
36	-2.69	135	-2.087	234	-1.639	333	-1.282	432	-0.996	531	-0.767	630	-0.587
39	-2.67	138	-2.072	237	-1.633	336	-1.279	435	-0.995	534	-0.761	633	-0.581
42	-2.65	141	-2.057	240	-1.614	339	-1.263	438	-0.981	537	-0.762	636	-0.583
45	-2.62	144	-2.042	243	-1.602	342	-1.253	441	-0.973	540	-0.75	639	-0.572
48	-2.60	147	-2.027	246	-1.59	345	-1.243	444	-0.972	543	-0.75	642	-0.573
51	-2.59	150	-2.02	249	-1.579	348	-1.234	447	-0.958	546	-0.737	645	-0.562
54	-2.56	153	-1.997	252	-1.567	351	-1.225	450	-0.95	549	-0.731	648	-0.557
57	-2.55	156	-1.991	255	-1.555	354	-1.215	453	-0.942	552	-0.725	651	-0.552
60	-2.52	159	-1.969	258	-1.544	357	-1.214	456	-0.943	555	-0.719	654	-0.548
63	-2.50	162	-1.955	261	-1.533	360	-1.198	459	-0.929	558	-0.714	657	-0.543
66	-2.48	165	-1.94	264	-1.528	363	-1.188	462	-0.928	561	-0.708	660	-0.538
69	-2.46	168	-1.925	267	-1.51	366	-1.18	465	-0.914	564	-0.702	663	-0.541
72	-2.44	171	-1.912	270	-1.498	369	-1.17	468	-0.906	567	-0.697	666	-0.53
75	-2.42	174	-1.897	273	-1.488	372	-1.161	471	-0.899	570	-0.698	669	-0.525
78	-2.41	177	-1.892	276	-1.477	375	-1.153	474	-0.892	573	-0.686	672	-0.521
81	-2.39	180	-1.871	279	-1.466	378	-1.144	477	-0.884	576	-0.68	675	-0.516
84	-2.38	183	-1.856	282	-1.463	381	-1.135	480	-0.878	579	-0.675	678	-0.512
87	-2.35	186	-1.843	285	-1.445	384	-1.134	483	-0.871	582	-0.676	681	-0.507
90	-2.33	189	-1.829	288	-1.433	387	-1.118	486	-0.865	585	-0.664	684	-0.503
93	-2.32	192	-1.816	291	-1.431	390	-1.116	489	-0.865	588	-0.665	687	-0.499
96	-2.31	195	-1.802	294	-1.413	393	-1.101	492	-0.851	591	-0.653	690	-0.502
99	-2.28	198	-1.789	297	-1.402	396	-1.093	495	-0.845	594	-0.648	693	-0.486
102	-2.27	201	-1.776	300	-1.391	399	-1.083	498	-0.837	597	-0.642	696	-0.482
105	-2.25	204	-1.771	303	-1.388	402	-1.076	501	-0.83	600	-0.637		



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p8)

Initial Displacement: -1.626 m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0159 m

Static Water Column Height: 9.21 m
Screen Length: 1.2 m
Wellbore Radius: 0.048 m

SOLUTION

Aquifer Model: Confined

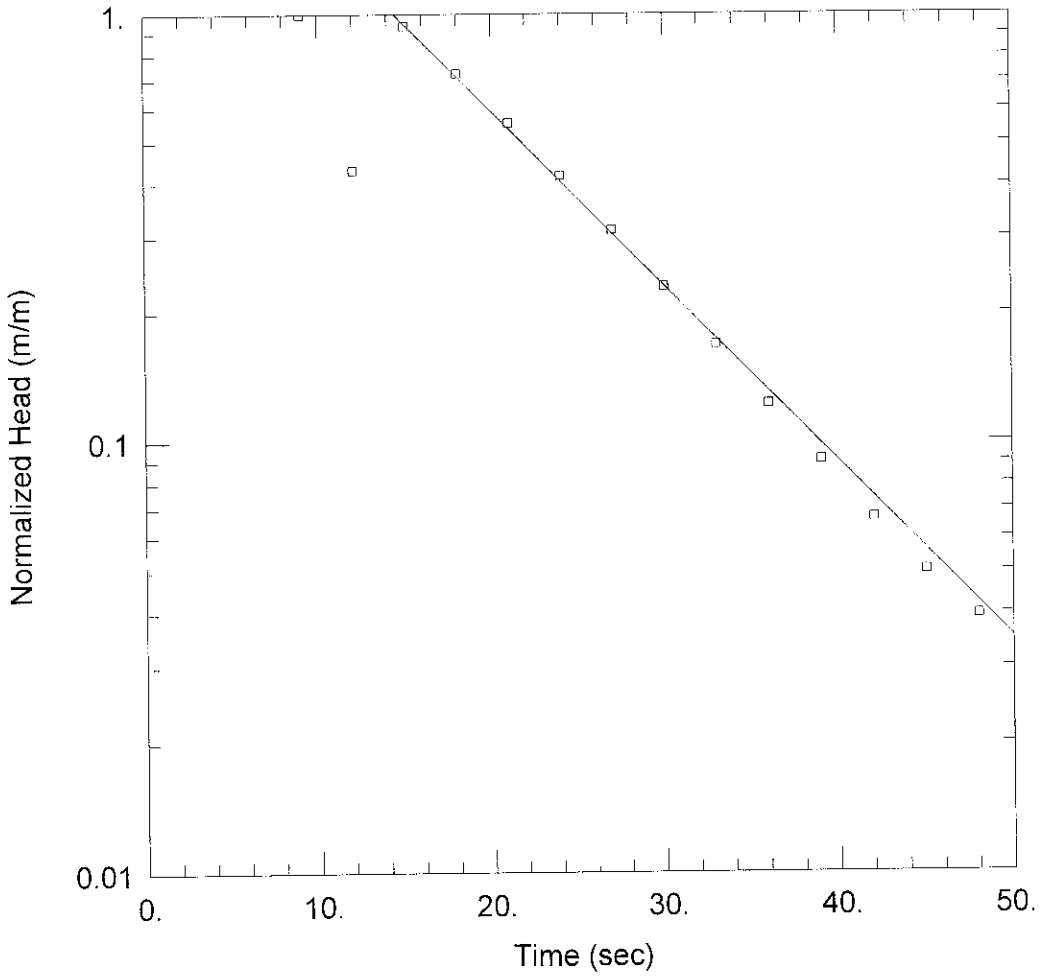
K = 4.347E-5 m/sec

Solution Method: Hvorslev

y0 = -3.498 m

Packer Test- OW1-P8

Time	Displ.
6	-1.63
9	-0.73
12	-1.02
15	-0.76
18	-0.55
21	-0.41
24	-0.29
27	-0.21
30	-0.14
33	-0.10
36	-0.07
39	-0.06
42	-0.04
45	-0.04
48	-0.03



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p9)

Initial Displacement: -1.039 m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0159 m

Static Water Column Height: 10.15 m
Screen Length: 1.2 m
Wellbore Radius: 0.048 m

SOLUTION

Aquifer Model: Confined

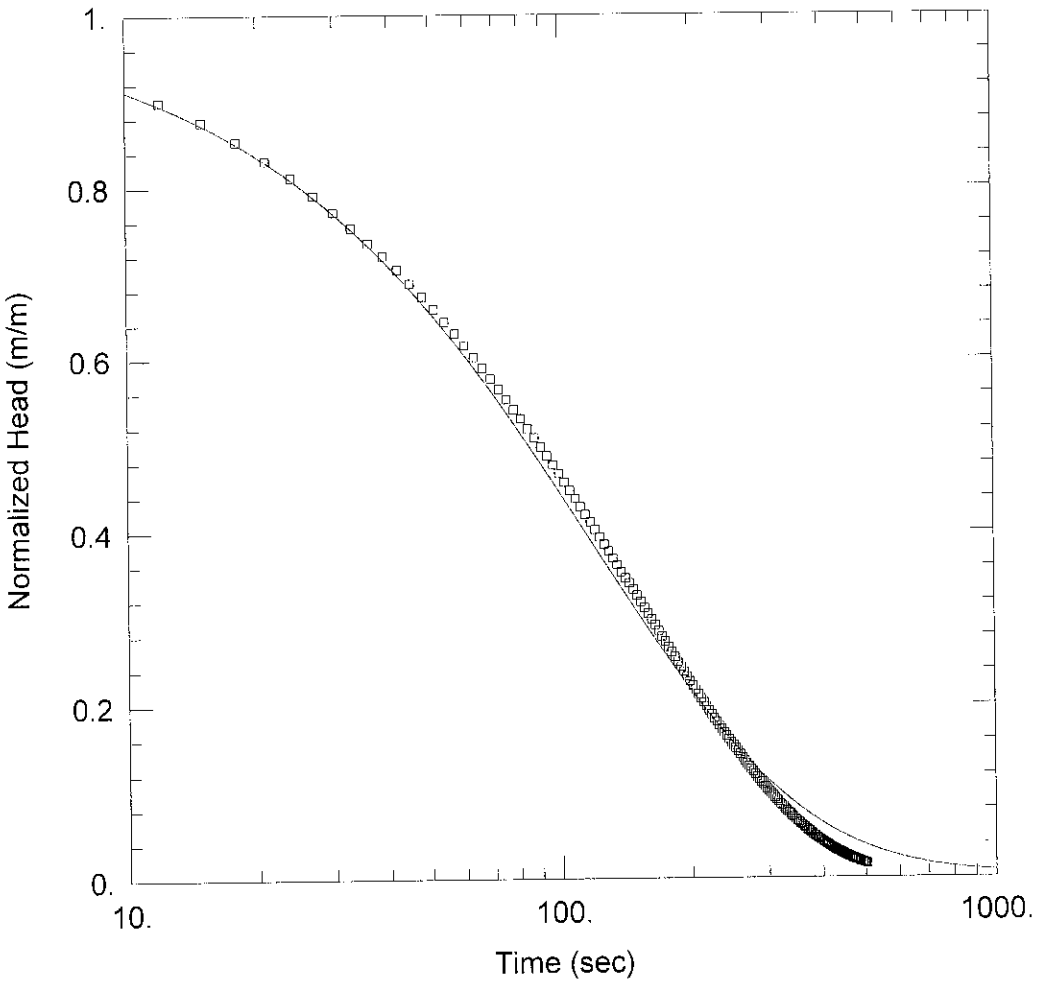
K = 3.883E-5 m/sec

Solution Method: Hvorslev

y0 = -4.047 m

Packer Test- OW1-P9

Time	Displ.
9	-1.04
12	-0.45
15	-0.97
18	-0.75
21	-0.58
24	-0.43
27	-0.32
30	-0.24
33	-0.18
36	-0.13
39	-0.09
42	-0.07
45	-0.05
48	-0.04



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p10)

Initial Displacement: -3.3 m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0159 m

Static Water Column Height: 10.87 m
Screen Length: 1.2 m
Wellbore Radius: 0.048 m

SOLUTION

Aquifer Model: Confined

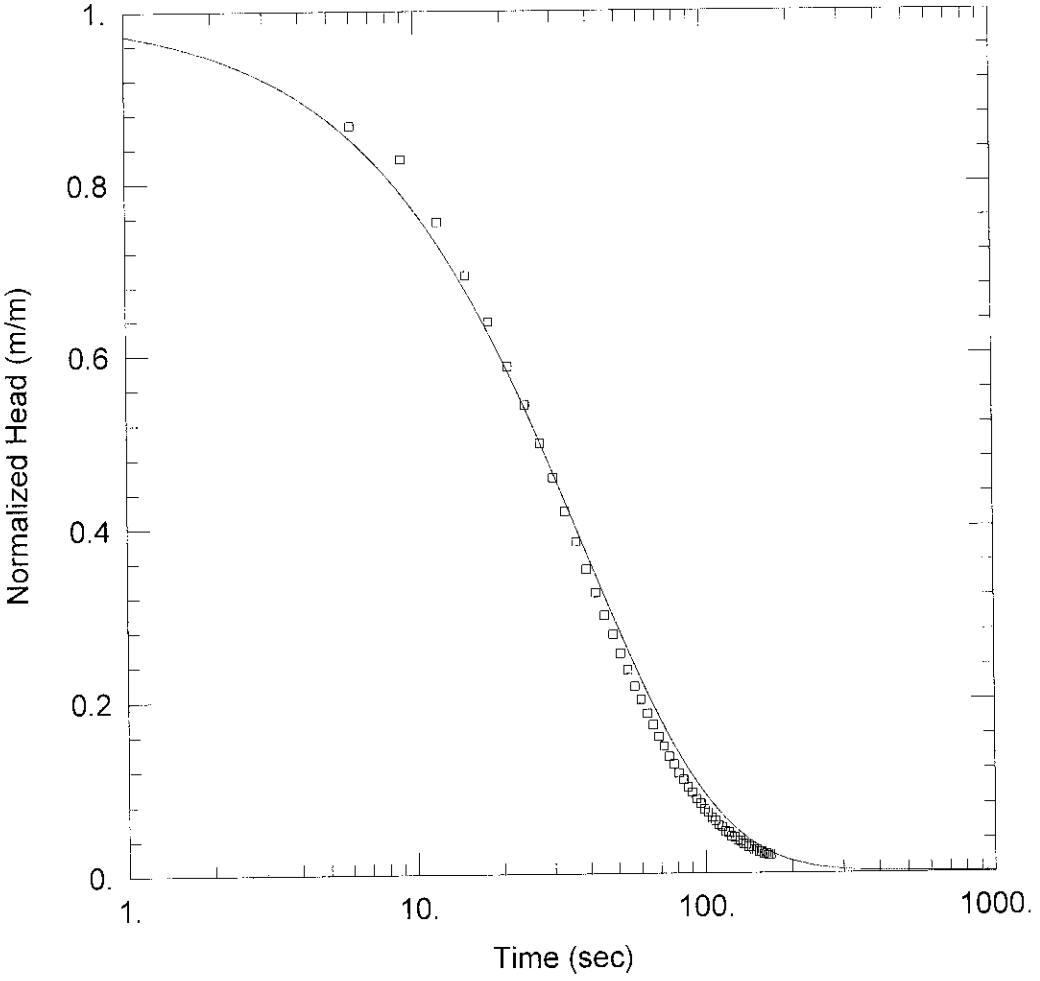
$T = 1.165E\text{-}5\ m^2/sec$

Solution Method: Cooper et al.

S = 1.0E-10

Packer Test- OW1-P10

Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.
12	-2.97	111	-1.416	210	-0.682	309	-0.304	408	-0.126
15	-2.89	114	-1.386	213	-0.667	312	-0.297	411	-0.123
18	-2.82	117	-1.357	216	-0.652	315	-0.289	414	-0.119
21	-2.74	120	-1.328	219	-0.636	318	-0.281	417	-0.116
24	-2.68	123	-1.299	222	-0.622	321	-0.274	420	-0.112
27	-2.61	126	-1.272	225	-0.607	324	-0.267	423	-0.109
30	-2.55	129	-1.245	228	-0.593	327	-0.26	426	-0.106
33	-2.49	132	-1.218	231	-0.579	330	-0.254	429	-0.103
36	-2.43	135	-1.192	234	-0.566	333	-0.247	432	-0.1
39	-2.38	138	-1.166	237	-0.552	336	-0.241	435	-0.098
42	-2.32	141	-1.142	240	-0.54	339	-0.234	438	-0.096
45	-2.27	144	-1.123	243	-0.526	342	-0.229	441	-0.093
48	-2.22	147	-1.098	246	-0.515	345	-0.222	444	-0.09
51	-2.17	150	-1.075	249	-0.504	348	-0.216	447	-0.087
54	-2.12	153	-1.051	252	-0.492	351	-0.211	450	-0.085
57	-2.08	156	-1.028	255	-0.48	354	-0.205	453	-0.082
60	-2.03	159	-1.006	258	-0.469	357	-0.2	456	-0.08
63	-1.99	162	-0.983	261	-0.456	360	-0.194	459	-0.078
66	-1.95	165	-0.962	264	-0.445	363	-0.19	462	-0.076
69	-1.91	168	-0.94	267	-0.434	366	-0.184	465	-0.074
72	-1.86	171	-0.919	270	-0.423	369	-0.179	468	-0.072
75	-1.83	174	-0.899	273	-0.413	372	-0.175	471	-0.07
78	-1.79	177	-0.878	276	-0.403	375	-0.17	474	-0.068
81	-1.75	180	-0.859	279	-0.393	378	-0.165	477	-0.066
84	-1.71	183	-0.84	282	-0.383	381	-0.16	480	-0.065
87	-1.68	186	-0.821	285	-0.374	384	-0.157	483	-0.063
90	-1.64	189	-0.802	288	-0.364	387	-0.152	486	-0.061
93	-1.61	192	-0.784	291	-0.355	390	-0.148	489	-0.059
96	-1.58	195	-0.766	294	-0.346	393	-0.145	492	-0.058
99	-1.54	198	-0.748	297	-0.337	396	-0.14	495	-0.057
102	-1.51	201	-0.732	300	-0.328	399	-0.137	498	-0.055
105	-1.48	204	-0.715	303	-0.321	402	-0.133	501	-0.054
108	-1.45	207	-0.699	306	-0.313	405	-0.129	504	-0.052



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p11-w)

Initial Displacement: -2.7 m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0159 m

Static Water Column Height: 11.81 m
Screen Length: 1.2 m
Wellbore Radius: 0.048 m

SOLUTION

Aquifer Model: Confined

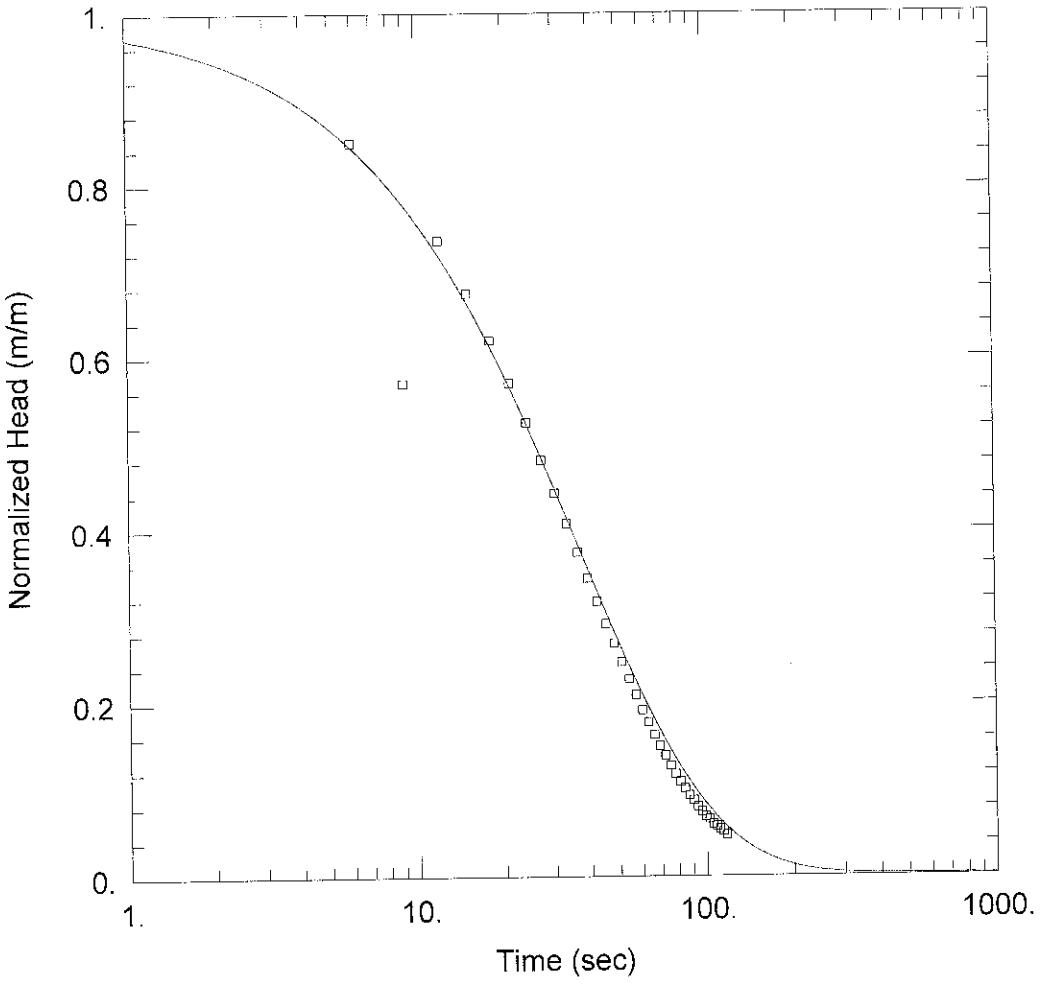
$T = 7.135E\text{-}5\ m^2/sec$

Solution Method: Cooper et al.

S = 1.0E-19

Packer Test- OW1-P11-w

Time	Displ.	Time	Displ.
6	-2.34	105	-0.174
9	-2.24	108	-0.164
12	-2.04	111	-0.15
15	-1.87	114	-0.144
18	-1.72	117	-0.131
21	-1.58	120	-0.127
24	-1.46	123	-0.115
27	-1.34	126	-0.112
30	-1.24	129	-0.102
33	-1.13	132	-0.1
36	-1.04	135	-0.091
39	-0.95	138	-0.089
42	-0.88	141	-0.081
45	-0.81	144	-0.081
48	-0.75	147	-0.073
51	-0.69	150	-0.073
54	-0.64	153	-0.066
57	-0.58	156	-0.067
60	-0.54	159	-0.059
63	-0.50	162	-0.061
66	-0.46	165	-0.055
69	-0.43	168	-0.056
72	-0.40		
75	-0.36		
78	-0.34		
81	-0.31		
84	-0.29		
87	-0.27		
90	-0.25		
93	-0.23		
96	-0.22		
99	-0.20		
102	-0.19		



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p12)

Initial Displacement: -0.7 m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0159 m

Static Water Column Height: 12.06 m
Screen Length: 1.2 m
Wellbore Radius: 0.048 m

SOLUTION

Aquifer Model: Confined

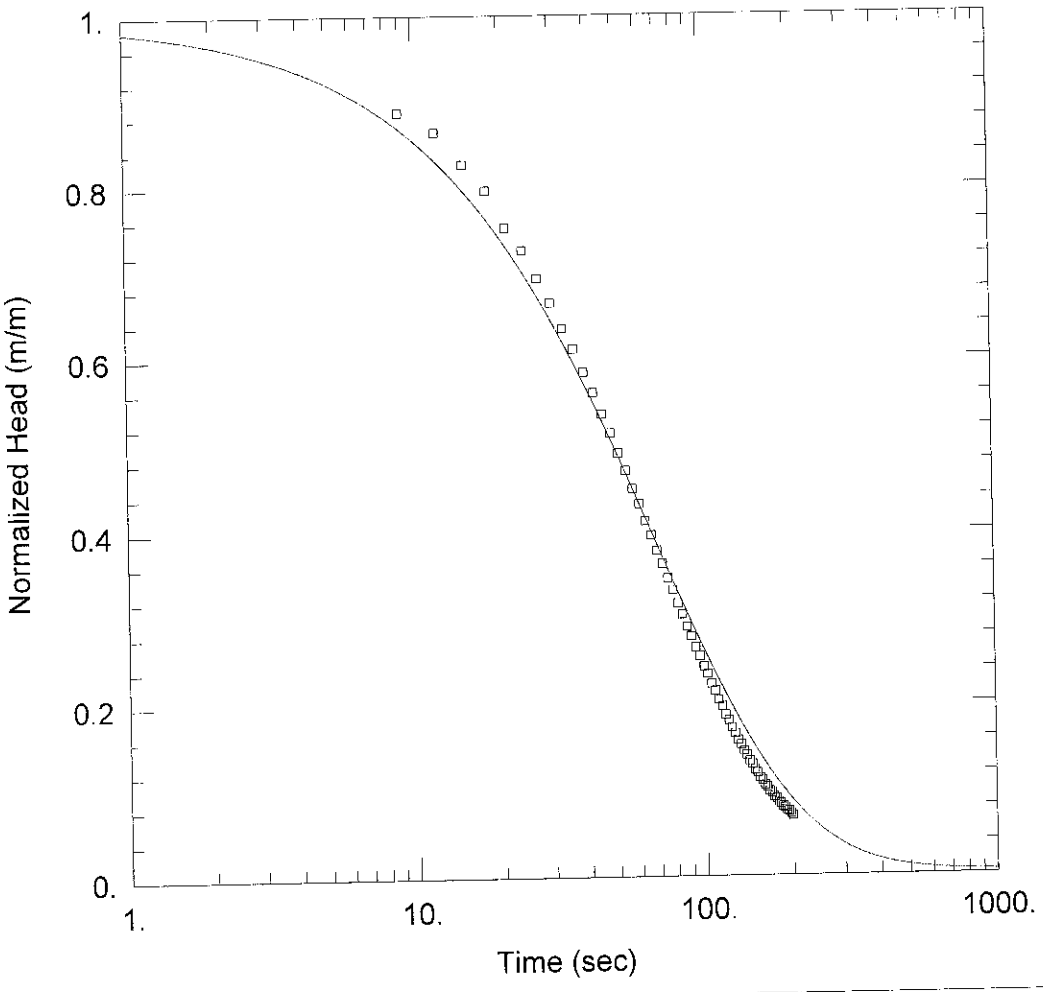
$T = 7.824E\text{-}5\ m^2/sec$

Solution Method: Cooper et al.

S = 1.2E-20

Packer Test- OW1-P12

Time	Displ.	Time	Displ.
6	-0.595	105	-0.042
9	-0.399	108	-0.04
12	-0.515	111	-0.038
15	-0.472	114	-0.036
18	-0.434	117	-0.033
21	-0.399		
24	-0.367		
27	-0.337		
30	-0.31		
33	-0.285		
36	-0.262		
39	-0.241		
42	-0.222		
45	-0.204		
48	-0.188		
51	-0.173		
54	-0.159		
57	-0.146		
60	-0.134		
63	-0.124		
66	-0.114		
69	-0.105		
72	-0.097		
75	-0.089		
78	-0.082		
81	-0.076		
84	-0.071		
87	-0.065		
90	-0.061		
93	-0.056		
96	-0.052		
99	-0.048		
102	-0.046		



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p13)

Initial Displacement: -3.15 m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0159 m

Static Water Column Height: 14.11 m
Screen Length: 1.2 m
Wellbore Radius: 0.048 m

SOLUTION

Aquifer Model: Confined

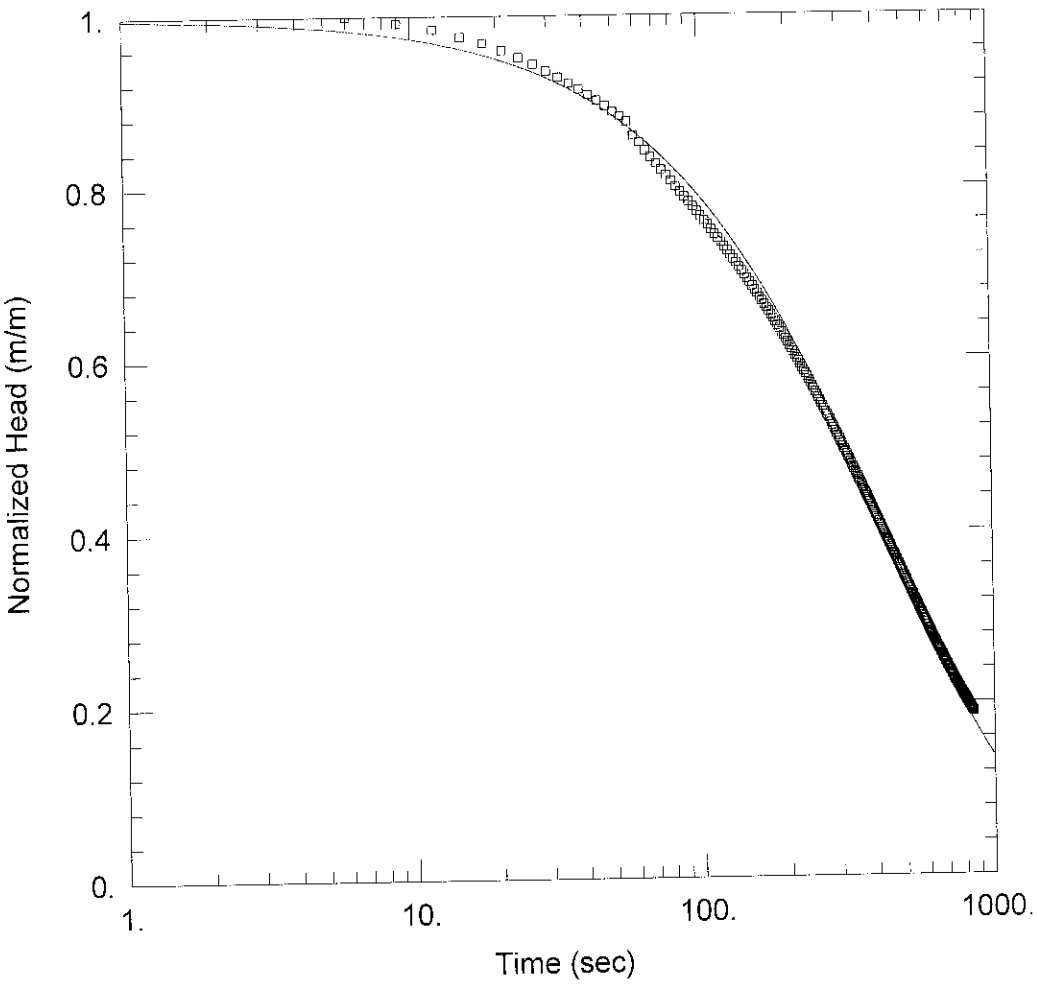
$T = 2.01E\text{-}5\ m^2/sec$

Solution Method: Cooper et al.

S = 1.0E-10

Packer Test- OW1-P13

Time	Displ.	Time	Displ.
6	-0.33	105	-0.064
9	-0.47	108	-0.065
12	-0.44	111	-0.058
15	-0.41	114	-0.059
18	-0.38	117	-0.054
21	-0.36	120	-0.055
24	-0.34	123	-0.049
27	-0.31	126	-0.051
30	-0.30	129	-0.046
33	-0.27	132	-0.048
36	-0.26	135	-0.043
39	-0.24	138	-0.045
42	-0.23	141	-0.041
45	-0.21	144	-0.043
48	-0.20	147	-0.038
51	-0.18	150	-0.041
54	-0.18	153	-0.037
57	-0.16	156	-0.039
60	-0.16	159	-0.036
63	-0.14	162	-0.038
66	-0.14	165	-0.034
69	-0.13	168	-0.037
72	-0.12	171	-0.033
75	-0.11	174	-0.035
78	-0.11	177	-0.032
81	-0.10	180	-0.035
84	-0.10	183	-0.042
87	-0.09		
90	-0.09		
93	-0.08		
96	-0.08		
99	-0.07		
102	-0.07		



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p14-w)

Initial Displacement: -3.039 m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0159 m

Static Water Column Height: 15.43 m
Screen Length: 1.2 m
Wellbore Radius: 0.048 m

SOLUTION

Aquifer Model: Confined

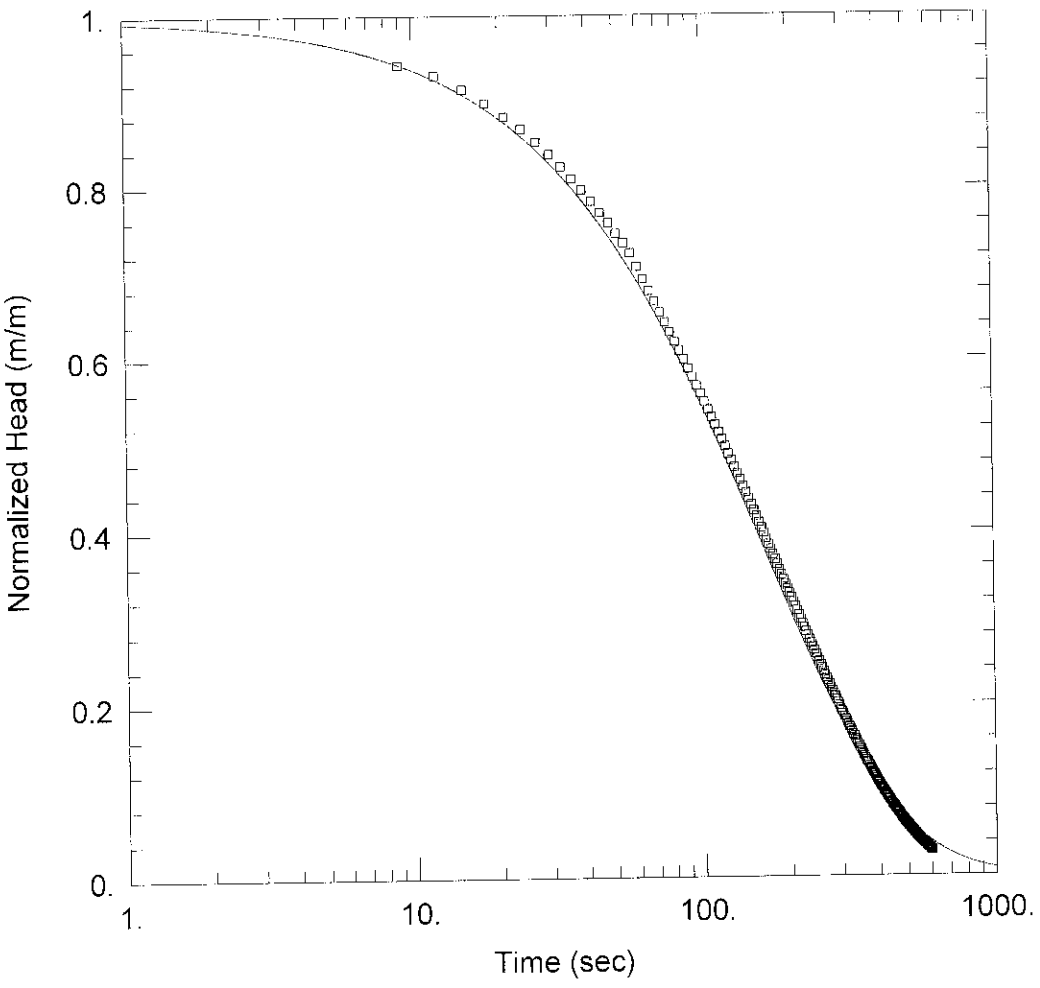
$T = 3.137E\text{-}6\ m^2/sec$

Solution Method: Cooper et al.

S = 1.0E-10

Packer Test- OW1-P14-w

Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.
6	-3.04	105	-2.31	204	-1.865	303	-1.524	402	-1.255	501	-1.039	600	-0.866	699	-0.727	798	-0.618
9	-3.02	108	-2.294	207	-1.854	306	-1.516	405	-1.248	504	-1.035	603	-0.862	702	-0.724	801	-0.615
12	-2.99	111	-2.278	210	-1.843	309	-1.507	408	-1.241	507	-1.029	606	-0.857	705	-0.72	804	-0.612
15	-2.97	114	-2.262	213	-1.831	312	-1.497	411	-1.233	510	-1.023	609	-0.852	708	-0.716	807	-0.608
18	-2.94	117	-2.247	216	-1.82	315	-1.489	414	-1.227	513	-1.017	612	-0.848	711	-0.713	810	-0.606
21	-2.92	120	-2.232	219	-1.809	318	-1.48	417	-1.219	516	-1.011	615	-0.844	714	-0.709	813	-0.603
24	-2.89	123	-2.217	222	-1.798	321	-1.471	420	-1.212	519	-1.005	618	-0.838	717	-0.706	816	-0.6
27	-2.87	126	-2.203	225	-1.786	324	-1.462	423	-1.205	522	-1	621	-0.834	720	-0.702	819	-0.597
30	-2.84	129	-2.188	228	-1.775	327	-1.453	426	-1.198	525	-0.995	624	-0.83	723	-0.698	822	-0.594
33	-2.82	132	-2.173	231	-1.764	330	-1.445	429	-1.192	528	-0.989	627	-0.825	726	-0.695	825	-0.591
36	-2.80	135	-2.16	234	-1.754	333	-1.436	432	-1.185	531	-0.984	630	-0.821	729	-0.691	828	-0.588
39	-2.78	138	-2.146	237	-1.743	336	-1.428	435	-1.179	534	-0.978	633	-0.816	732	-0.688	831	-0.586
42	-2.76	141	-2.131	240	-1.732	339	-1.419	438	-1.172	537	-0.972	636	-0.812	735	-0.684	834	-0.583
45	-2.74	144	-2.117	243	-1.722	342	-1.411	441	-1.165	540	-0.967	639	-0.808	738	-0.681	837	-0.581
48	-2.72	147	-2.104	246	-1.711	345	-1.403	444	-1.158	543	-0.963	642	-0.804	741	-0.678	840	-0.578
51	-2.70	150	-2.09	249	-1.7	348	-1.394	447	-1.151	546	-0.957	645	-0.799	744	-0.674	843	-0.575
54	-2.68	153	-2.077	252	-1.69	351	-1.386	450	-1.145	549	-0.952	648	-0.794	747	-0.672	846	-0.573
57	-2.66	156	-2.063	255	-1.68	354	-1.378	453	-1.138	552	-0.946	651	-0.791	750	-0.668	849	-0.57
60	-2.61	159	-2.051	258	-1.669	357	-1.37	456	-1.132	555	-0.94	654	-0.786	753	-0.664		
63	-2.59	162	-2.037	261	-1.66	360	-1.362	459	-1.126	558	-0.935	657	-0.783	756	-0.662		
66	-2.56	165	-2.025	264	-1.649	363	-1.354	462	-1.119	561	-0.93	660	-0.778	759	-0.658		
69	-2.54	168	-2.012	267	-1.639	366	-1.346	465	-1.112	564	-0.925	663	-0.774	762	-0.654		
72	-2.51	171	-1.999	270	-1.629	369	-1.339	468	-1.107	567	-0.92	666	-0.771	765	-0.652		
75	-2.49	174	-1.987	273	-1.619	372	-1.33	471	-1.1	570	-0.916	669	-0.766	768	-0.648		
78	-2.47	177	-1.974	276	-1.61	375	-1.323	474	-1.094	573	-0.91	672	-0.762	771	-0.644		
81	-2.45	180	-1.962	279	-1.6	378	-1.315	477	-1.088	576	-0.906	675	-0.758	774	-0.641		
84	-2.43	183	-1.949	282	-1.59	381	-1.308	480	-1.082	579	-0.9	678	-0.755	777	-0.639		
87	-2.41	186	-1.937	285	-1.581	384	-1.3	483	-1.076	582	-0.895	681	-0.75	780	-0.636		
90	-2.40	189	-1.925	288	-1.571	387	-1.292	486	-1.07	585	-0.891	684	-0.747	783	-0.632		
93	-2.38	192	-1.913	291	-1.562	390	-1.286	489	-1.064	588	-0.885	687	-0.743	786	-0.63		
96	-2.36	195	-1.901	294	-1.553	393	-1.277	492	-1.057	591	-0.881	690	-0.738	789	-0.626		
99	-2.34	198	-1.889	297	-1.544	396	-1.27	495	-1.051	594	-0.875	693	-0.735	792	-0.623		
102	-2.33	201	-1.878	300	-1.535	399	-1.263	498	-1.046	597	-0.871	696	-0.731	795	-0.621		



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p15-w)

Initial Displacement: -2.5 m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0159 m

Static Water Column Height: 16.28 m
Screen Length: 1.2 m
Wellbore Radius: 0.048 m

SOLUTION

Aquifer Model: Confined

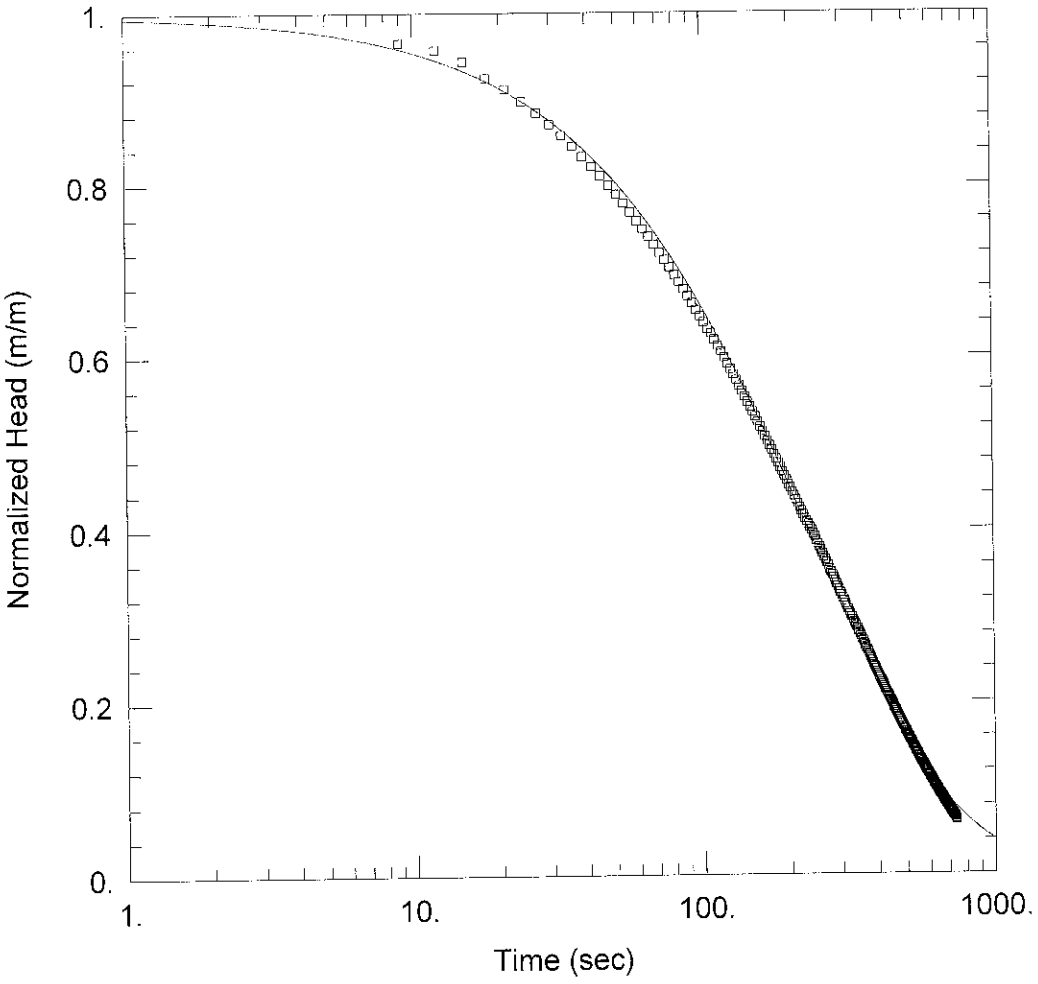
$T = 1.679E\text{-}5\ m^2/sec$

Solution Method: Cooper et al.

S = 1.0E-19

Packer Test- OW1-P15-w

Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.
9	-2.36	108	-1.328	207	-0.78	306	-0.452	405	-0.256	504	-0.139
12	-2.33	111	-1.306	210	-0.767	309	-0.445	408	-0.252	507	-0.136
15	-2.29	114	-1.285	213	-0.755	312	-0.438	411	-0.246	510	-0.133
18	-2.25	117	-1.264	216	-0.742	315	-0.43	414	-0.242	513	-0.131
21	-2.21	120	-1.244	219	-0.73	318	-0.423	417	-0.238	516	-0.128
24	-2.17	123	-1.223	222	-0.719	321	-0.416	420	-0.234	519	-0.126
27	-2.13	126	-1.203	225	-0.707	324	-0.409	423	-0.23	522	-0.123
30	-2.10	129	-1.184	228	-0.696	327	-0.402	426	-0.226	525	-0.122
33	-2.06	132	-1.165	231	-0.684	330	-0.395	429	-0.221	528	-0.119
36	-2.02	135	-1.147	234	-0.673	333	-0.389	432	-0.218	531	-0.116
39	-1.99	138	-1.128	237	-0.662	336	-0.382	435	-0.214	534	-0.114
42	-1.96	141	-1.11	240	-0.652	339	-0.376	438	-0.209	537	-0.112
45	-1.93	144	-1.093	243	-0.641	342	-0.37	441	-0.206	540	-0.109
48	-1.90	147	-1.075	246	-0.63	345	-0.363	444	-0.203	543	-0.107
51	-1.86	150	-1.058	249	-0.621	348	-0.357	447	-0.199	546	-0.105
54	-1.84	153	-1.042	252	-0.61	351	-0.35	450	-0.195	549	-0.103
57	-1.81	156	-1.024	255	-0.601	354	-0.345	453	-0.192	552	-0.1
60	-1.77	159	-1.008	258	-0.591	357	-0.339	456	-0.188	555	-0.099
63	-1.73	162	-0.993	261	-0.581	360	-0.333	459	-0.184	558	-0.097
66	-1.70	165	-0.976	264	-0.572	363	-0.328	462	-0.181	561	-0.095
69	-1.67	168	-0.96	267	-0.563	366	-0.321	465	-0.178	564	-0.093
72	-1.63	171	-0.946	270	-0.553	369	-0.316	468	-0.174	567	-0.091
75	-1.61	174	-0.93	273	-0.544	372	-0.311	471	-0.171	570	-0.09
78	-1.58	177	-0.916	276	-0.535	375	-0.305	474	-0.168	573	-0.087
81	-1.55	180	-0.901	279	-0.526	378	-0.3	477	-0.165	576	-0.085
84	-1.52	183	-0.887	282	-0.518	381	-0.295	480		579	-0.083
87	-1.50	186	-0.872	285	-0.509	384	-0.29	483	-0.159	582	-0.082
90	-1.47	189	-0.859	288	-0.501	387	-0.285	486	-0.156	585	-0.08
93	-1.45	192	-0.845	291	-0.492	390	-0.279	489	-0.152	588	-0.079
96	-1.42	195	-0.831	294	-0.483	393	-0.274	492	-0.15	591	-0.077
99	-1.40	198	-0.818	297	-0.475	396	-0.27	495	-0.147	594	-0.075
102	-1.37	201	-0.805	300	-0.468	399	-0.265	498	-0.144	597	-0.073
105	-1.35	204	-0.792	303	-0.46	402	-0.26	501	-0.142	600	-0.072



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p16-w)

Initial Displacement: -2.8 m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0159 m

Static Water Column Height: 17.34 m
Screen Length: 1.2 m
Wellbore Radius: 0.048 m

SOLUTION

Aquifer Model: Confined

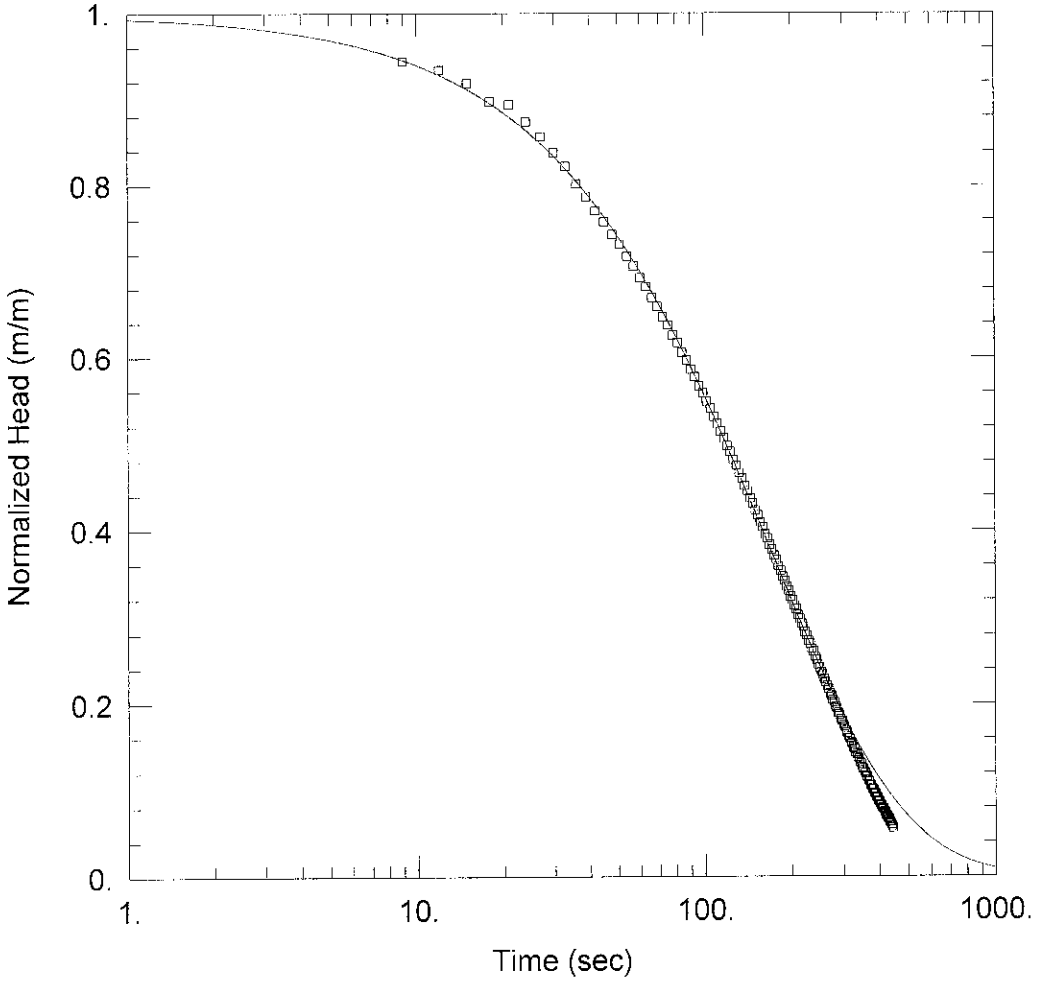
$T = 5.762E\text{-}6\ m^2/sec$

Solution Method: Cooper et al.

S = 1.0E-10

Packer Test- OW1-P16-w

Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.
9	-2.70	108	-1.753	207	-1.224	306	-0.884	405	-0.633	504	-0.444	603	-0.306	702	-0.203
12	-2.68	111	-1.732	210	-1.212	309	-0.875	408	-0.626	507	-0.44	606	-0.302	705	-0.201
15	-2.64	114	-1.712	213	-1.199	312	-0.866	411	-0.619	510	-0.434	609	-0.298	708	-0.198
18	-2.59	117	-1.693	216	-1.187	315	-0.857	414	-0.613	513	-0.43	612	-0.295	711	-0.196
21	-2.55	120	-1.674	219	-1.175	318	-0.848	417	-0.606	516	-0.426	615	-0.291	714	-0.194
24	-2.51	123	-1.654	222	-1.164	321	-0.839	420	-0.599	519	-0.421	618	-0.288	717	-0.19
27	-2.47	126	-1.636	225	-1.151	324	-0.832	423	-0.594	522	-0.416	621	-0.285	720	-0.188
30	-2.44	129	-1.618	228	-1.141	327	-0.823	426	-0.588	525	-0.411	624	-0.282	723	-0.186
33	-2.40	132	-1.6	231	-1.132	330	-0.815	429	-0.581	528	-0.406	627	-0.278	726	-0.183
36	-2.36	135	-1.581	234	-1.123	333	-0.808	432	-0.575	531	-0.402	630	-0.275	729	-0.181
39	-2.33	138	-1.564	237	-1.113	336	-0.801	435	-0.57	534	-0.398	633	-0.272	732	-0.175
42	-2.30	141	-1.546	240	-1.102	339	-0.794	438	-0.563	537	-0.393	636	-0.268	735	-0.172
45	-2.27	144	-1.529	243	-1.092	342	-0.786	441	-0.558	540	-0.389	639	-0.265		
48	-2.24	147	-1.513	246	-1.08	345	-0.778	444	-0.551	543	-0.385	642	-0.261		
51	-2.21	150	-1.496	249	-1.069	348	-0.77	447	-0.545	546	-0.38	645	-0.259		
54	-2.18	153	-1.48	252	-1.059	351	-0.762	450	-0.539	549	-0.376	648	-0.256		
57	-2.15	156	-1.464	255	-1.049	354	-0.755	453	-0.534	552	-0.371	651	-0.253		
60	-2.12	159	-1.447	258	-1.038	357	-0.746	456	-0.528	555	-0.367	654	-0.249		
63	-2.09	162	-1.433	261	-1.027	360	-0.739	459	-0.522	558	-0.364	657	-0.246		
66	-2.07	165	-1.417	264	-1.018	363	-0.731	462	-0.517	561	-0.359	660	-0.244		
69	-2.04	168	-1.402	267	-1.007	366	-0.724	465	-0.511	564	-0.355	663	-0.24		
72	-2.02	171	-1.387	270	-0.998	369	-0.717	468	-0.506	567	-0.352	666	-0.237		
75	-1.99	174	-1.373	273	-0.987	372	-0.709	471	-0.5	570	-0.347	669	-0.235		
78	-1.97	177	-1.358	276	-0.977	375	-0.702	474	-0.494	573	-0.343	672	-0.231		
81	-1.94	180	-1.343	279	-0.968	378	-0.695	477	-0.49	576	-0.34	675	-0.229		
84	-1.92	183	-1.33	282	-0.958	381	-0.688	480		579	-0.336	678	-0.226		
87	-1.90	186	-1.316	285	-0.949	384	-0.68	483	-0.479	582	-0.332	681	-0.222		
90	-1.87	189	-1.302	288	-0.939	387	-0.673	486	-0.474	585	-0.328	684	-0.22		
93	-1.85	192	-1.289	291	-0.93	390	-0.667	489	-0.469	588	-0.325	687	-0.217		
96	-1.83	195	-1.275	294	-0.92	393	-0.66	492	-0.463	591	-0.321	690	-0.214		
99	-1.81	198	-1.262	297	-0.911	396	-0.652	495	-0.459	594	-0.316	693	-0.212		
102	-1.79	201	-1.251	300	-0.902	399	-0.646	498	-0.454	597	-0.313	696	-0.209		
105	-1.77	204	-1.237	303	-0.892	402	-0.638	501	-0.449	600	-0.309	699	-0.206		



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p17-w)

Initial Displacement: -3.05 m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0159 m

Static Water Column Height: 18.11 m
Screen Length: 1.2 m
Wellbore Radius: 0.048 m

SOLUTION

Aquifer Model: Confined

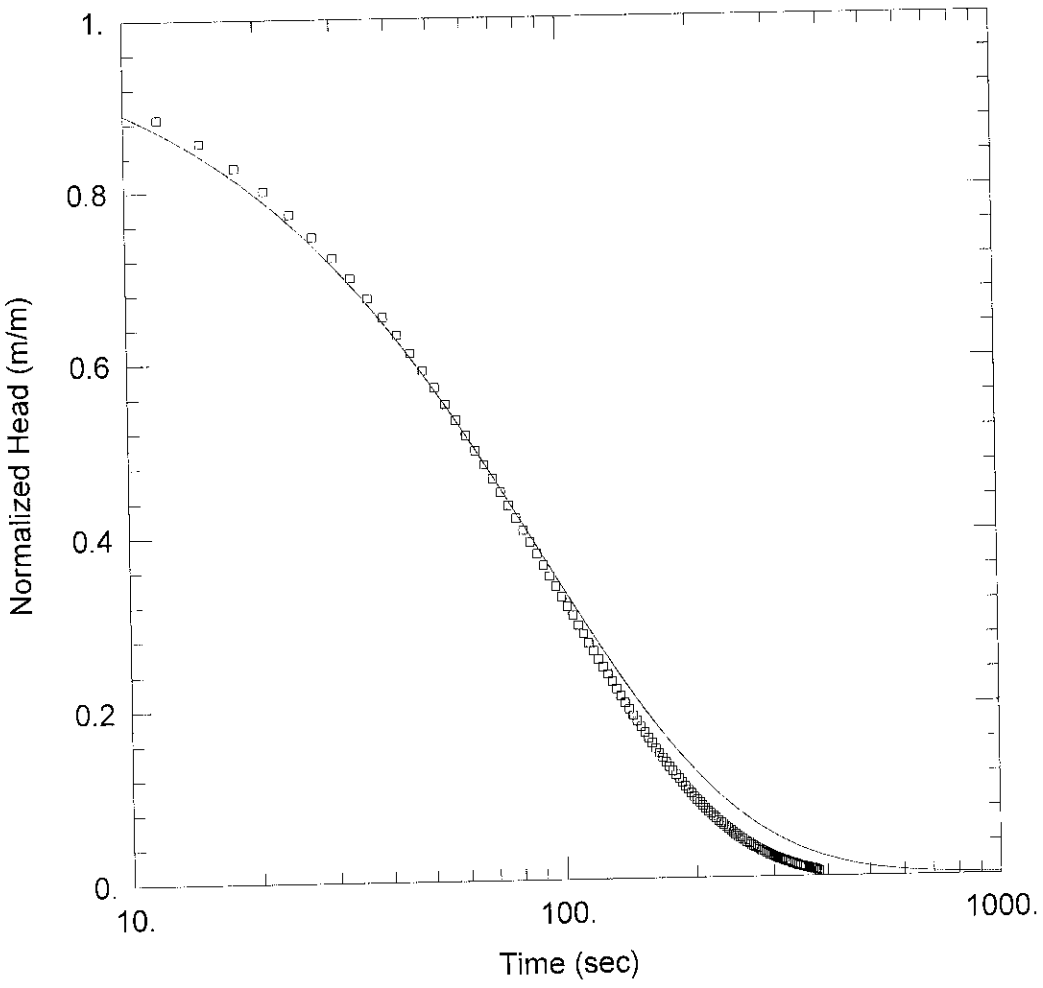
$T = 1.615E\text{-}5\ m^2/sec$

Solution Method: Cooper et al.

S = 1.0E-19

Packer Test- OW1-P17-w

Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.
9	-2.88	108	-1.619	207	-0.941	306	-0.513	405	-0.249
12	-2.85	111	-1.596	210	-0.921	309	-0.506	408	-0.24
15	-2.80	114	-1.567	213	-0.909	312	-0.493	411	-0.237
18	-2.74	117	-1.545	216	-0.89	315	-0.486	414	-0.228
21	-2.73	120	-1.516	219	-0.879	318	-0.473	417	-0.225
24	-2.67	123	-1.496	222	-0.86	321	-0.467	420	-0.216
27	-2.61	126	-1.467	225	-0.849	324	-0.454	423	-0.213
30	-2.56	129	-1.447	228	-0.83	327	-0.449	426	-0.204
33	-2.51	132	-1.421	231	-0.819	330	-0.436	429	-0.201
36	-2.45	135	-1.401	234	-0.802	333	-0.43	432	-0.193
39	-2.40	138	-1.375	237	-0.792	336	-0.418	435	-0.19
42	-2.35	141	-1.356	240	-0.774	339	-0.414	438	-0.182
45	-2.31	144	-1.331	243	-0.763	342	-0.402	441	-0.177
48	-2.27	147	-1.313	246	-0.746	345	-0.397	444	-0.17
51	-2.23	150	-1.288	249	-0.736	348	-0.384		
54	-2.19	153	-1.271	252	-0.72	351	-0.379		
57	-2.15	156	-1.247	255	-0.711	354	-0.368		
60	-2.11	159	-1.23	258	-0.695	357	-0.362		
63	-2.08	162	-1.206	261	-0.685	360	-0.352		
66	-2.04	165	-1.19	264	-0.67	363	-0.348		
69	-2.01	168	-1.167	267	-0.66	366	-0.337		
72	-1.97	171	-1.151	270	-0.645	369	-0.333		
75	-1.94	174	-1.129	273	-0.637	372	-0.321		
78	-1.91	177	-1.114	276	-0.622	375	-0.317		
81	-1.88	180	-1.092	279	-0.614	378	-0.307		
84	-1.85	183	-1.077	282	-0.598	381	-0.303		
87	-1.82	186	-1.056	285	-0.591	384	-0.293		
90	-1.79	189	-1.041	288	-0.576	387	-0.289		
93	-1.76	192	-1.021	291	-0.569	390	-0.279		
96	-1.73	195	-1.006	294	-0.554	393	-0.275		
99	-1.70	198	-0.986	297	-0.547	396	-0.266		
102	-1.67	201	-0.973	300	-0.534	399	-0.263		
105	-1.65	204	-0.954	303	-0.527	402	-0.253		



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p18-w)

Initial Displacement: -3.3 m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0159 m

Static Water Column Height: 18.73 m
Screen Length: 1.2 m
Wellbore Radius: 0.048 m

SOLUTION

Aquifer Model: Confined

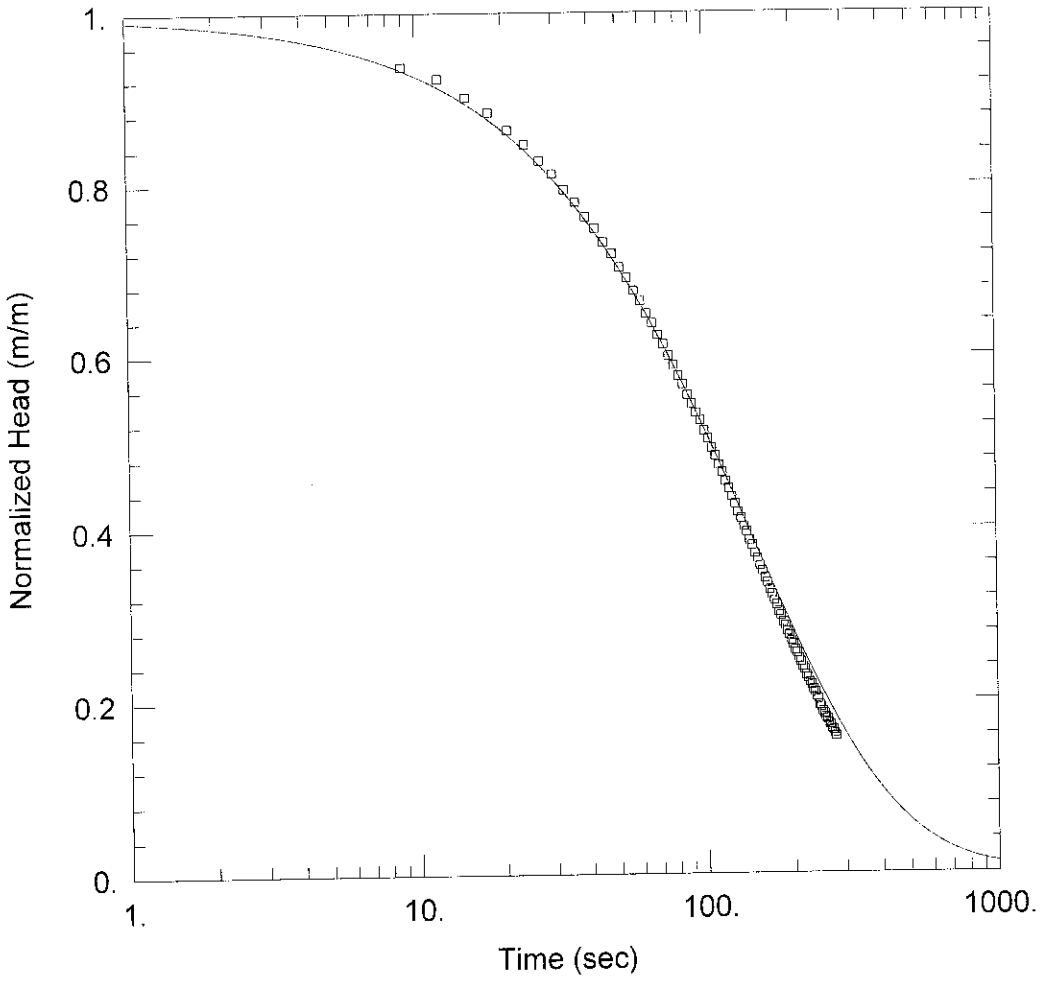
$T = 3.201E\text{-}5\ m^2/sec$

Solution Method: Cooper et al.

S = 1.449E-20

Packer Test- OW1-P18-w

Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.
12	-2.92	111	-0.936	210	-0.263	309	-0.068
15	-2.83	114	-0.902	213	-0.253	312	-0.065
18	-2.73	117	-0.87	216	-0.244	315	-0.062
21	-2.64	120	-0.838	219	-0.234	318	-0.059
24	-2.55	123	-0.809	222	-0.225	321	-0.057
27	-2.47	126	-0.78	225	-0.215	324	-0.054
30	-2.38	129	-0.752	228	-0.207	327	-0.053
33	-2.30	132	-0.724	231	-0.199	330	-0.05
36	-2.23	135	-0.697	234	-0.191	333	-0.048
39	-2.15	138	-0.671	237	-0.184	336	-0.046
42	-2.08	141	-0.646	240	-0.177	339	-0.044
45	-2.01	144	-0.622	243	-0.169	342	-0.041
48	-1.95	147	-0.6	246	-0.162	345	-0.039
51	-1.88	150	-0.578	249	-0.156	348	-0.038
54	-1.82	153	-0.555	252	-0.15	351	-0.036
57	-1.76	156	-0.535	255	-0.144	354	-0.035
60	-1.70	159	-0.515	258	-0.138	357	-0.033
63	-1.64	162	-0.495	261	-0.132	360	-0.031
66	-1.59	165	-0.476	264	-0.128	363	-0.03
69	-1.53	168	-0.458	267	-0.122	366	-0.028
72	-1.48	171	-0.441	270	-0.117	369	-0.027
75	-1.43	174	-0.424	273	-0.112	372	-0.025
78	-1.38	177	-0.408	276	-0.108	375	-0.025
81	-1.33	180	-0.392	279	-0.103	378	-0.023
84	-1.29	183	-0.378	282	-0.099	381	-0.018
87	-1.24	186	-0.363	285	-0.096		
90	-1.20	189	-0.349	288	-0.091		
93	-1.16	192	-0.335	291	-0.088		
96	-1.12	195	-0.322	294	-0.083		
99	-1.08	198	-0.309	297	-0.08		
102	-1.04	201	-0.297	300	-0.077		
105	-1.01	204	-0.286	303	-0.073		
108	-0.97	207	-0.275	306	-0.07		



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p19-w)

Initial Displacement: -2.75 m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0159 m

Static Water Column Height: 19.69 m
Screen Length: 1.2 m
Wellbore Radius: 0.048 m

SOLUTION

Aquifer Model: Confined

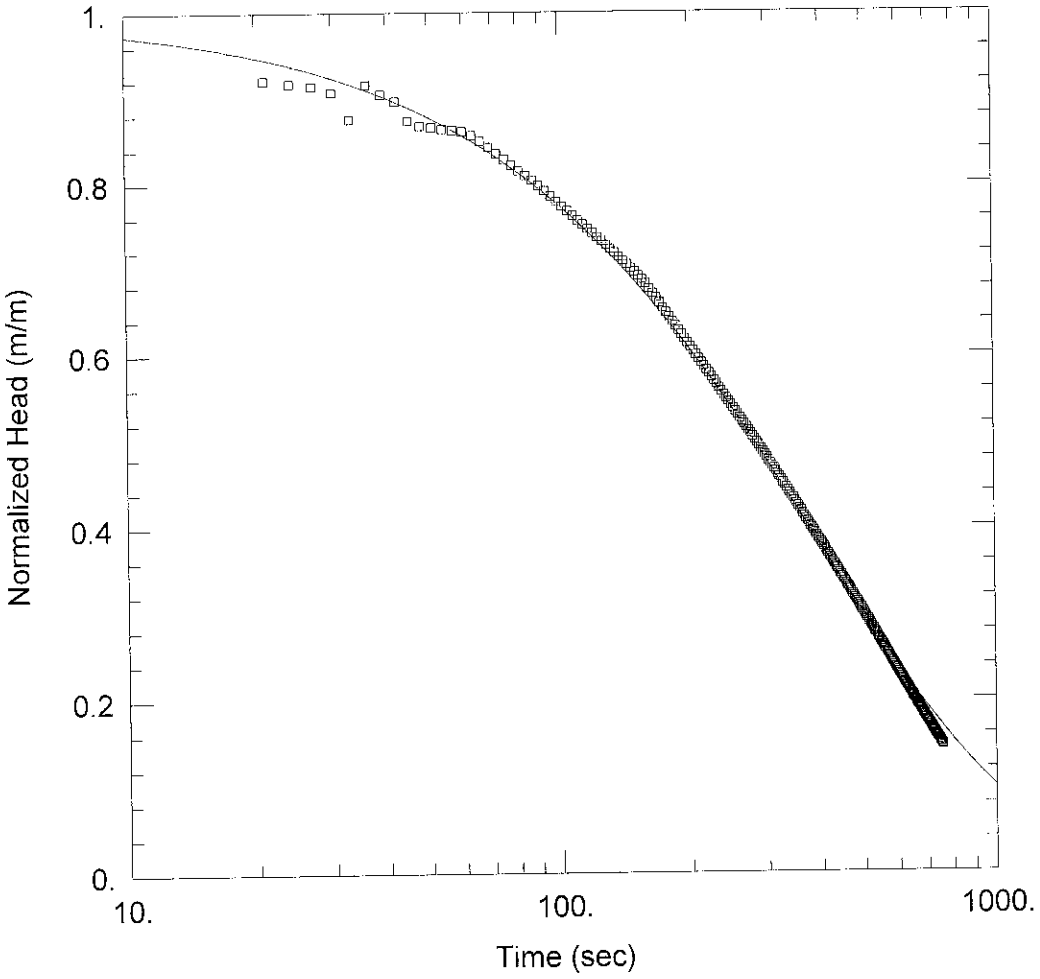
$T = 9.499E\text{-}6\ m^2/sec$

Solution Method: Cooper et al.

S = 1.0E-10

Packer Test- OW1-P19-w

Time	Displ.	Time	Displ.	Time	Displ.
9	-2.58	108	-1.328	207	-0.68
12	-2.54	111	-1.298	210	-0.67
15	-2.48	114	-1.276	213	-0.654
18	-2.43	117	-1.246	216	-0.645
21	-2.37	120	-1.224	219	-0.628
24	-2.33	123	-1.197	222	-0.619
27	-2.28	126	-1.175	225	-0.604
30	-2.23	129	-1.148	228	-0.596
33	-2.18	132	-1.129	231	-0.581
36	-2.14	135	-1.103	234	-0.573
39	-2.10	138	-1.085	237	-0.559
42	-2.06	141	-1.059	240	-0.552
45	-2.01	144	-1.042	243	-0.531
48	-1.98	147	-1.017	246	-0.524
51	-1.93	150	-1.001	249	-0.511
54	-1.90	153	-0.977	252	-0.504
57	-1.86	156	-0.961	255	-0.491
60	-1.82	159	-0.939	258	-0.487
63	-1.78	162	-0.923	261	-0.474
66	-1.75	165	-0.901	264	-0.469
69	-1.72	168	-0.887	267	-0.457
72	-1.69	171	-0.866	270	-0.452
75	-1.65	174	-0.852	273	-0.441
78	-1.62	177	-0.831	276	-0.432
81	-1.58	180	-0.818		
84	-1.56	183	-0.798		
87	-1.52	186	-0.786		
90	-1.49	189	-0.767		
93	-1.46	192	-0.755		
96	-1.44	195	-0.737		
99	-1.41	198	-0.726		
102	-1.38	201	-0.707		
105	-1.35	204	-0.698		



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p20-w)

Initial Displacement: -3.5 m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0159 m

Static Water Column Height: 21.27 m
Screen Length: 1.2 m
Wellbore Radius: 0.048 m

SOLUTION

Aquifer Model: Confined

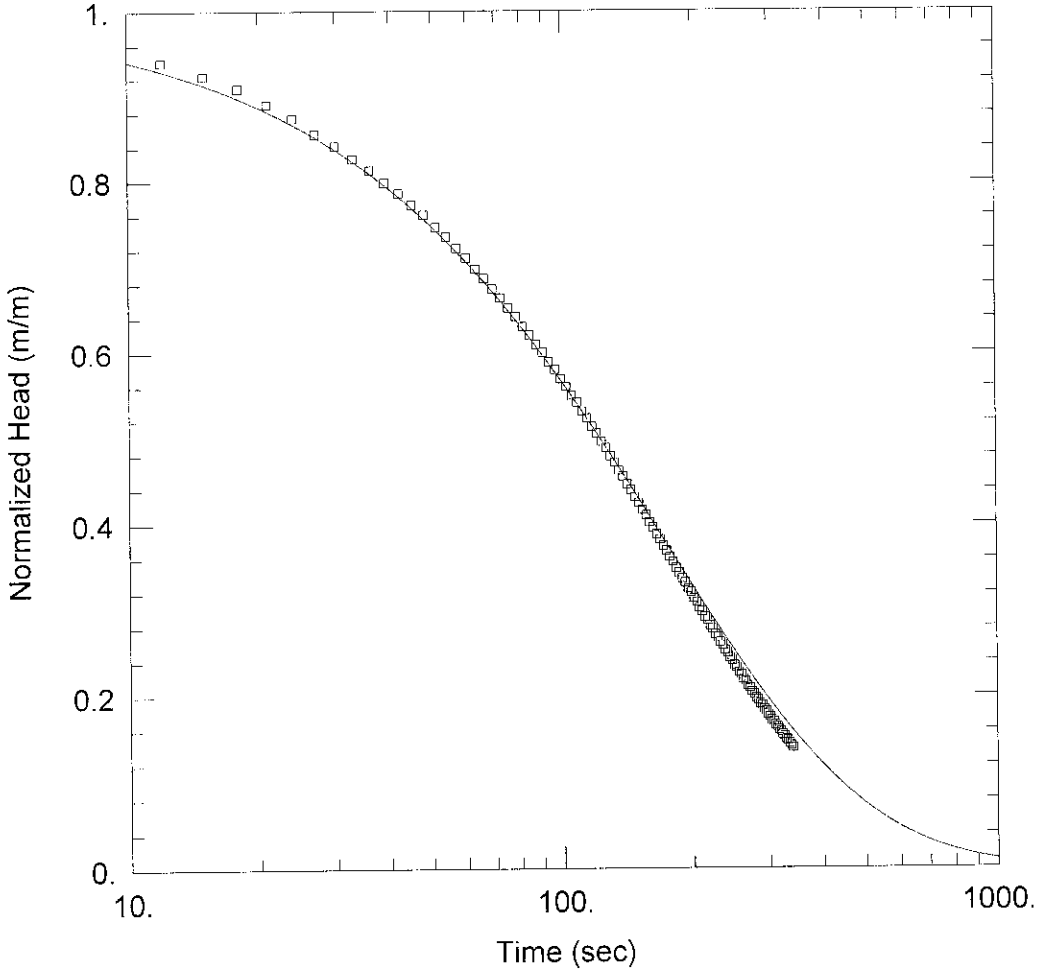
$T = 7.202E\text{-}6\ m^2/sec$

Solution Method: Cooper et al.

S = 1.2E-20

Packer Test- OW1-P20-w

Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.
21	-3.22	120	-2.597	219	-2.035	318	-1.61	417	-1.277	516	-1.003	615	-0.772	714	-0.578
24	-3.21	123	-2.579	222	-2.021	321	-1.6	420	-1.269	519	-0.995	618	-0.766	717	-0.573
27	-3.20	126	-2.564	225	-2.006	324	-1.588	423	-1.259	522	-0.988	621	-0.759	720	-0.567
30	-3.18	129	-2.547	228	-1.991	327	-1.576	426	-1.25	525	-0.981	624	-0.753	723	-0.562
33	-3.07	132	-2.531	231	-1.977	330	-1.566	429	-1.242	528	-0.972	627	-0.747	726	-0.556
36	-3.21	135	-2.515	234	-1.962	333	-1.556	432	-1.232	531	-0.965	630	-0.741	729	-0.551
39	-3.17	138	-2.499	237	-1.948	336	-1.545	435	-1.224	534	-0.958	633	-0.734	732	-0.546
42	-3.14	141	-2.483	240	-1.934	339	-1.534	438	-1.215	537	-0.95	636	-0.728	735	-0.541
45	-3.06	144	-2.468	243	-1.92	342	-1.523	441	-1.206	540	-0.943	639	-0.721	738	-0.536
48	-3.04	147	-2.452	246	-1.906	345	-1.513	444	-1.198	543	-0.936	642	-0.715	741	-0.531
51	-3.03	150	-2.436	249	-1.893	348	-1.502	447	-1.189	546	-0.928	645	-0.71	744	-0.525
54	-3.03	153	-2.421	252	-1.879	351	-1.491	450	-1.181	549	-0.921	648	-0.704	747	-0.52
57	-3.02	156	-2.406	255	-1.866	354	-1.481	453	-1.172	552	-0.914	651	-0.697	750	-0.515
60	-3.01	159	-2.388	258	-1.852	357	-1.471	456	-1.163	555	-0.907	654	-0.691	753	-0.51
63	-3.00	162	-2.368	261	-1.839	360	-1.461	459	-1.155	558	-0.9	657	-0.685		
66	-2.97	165	-2.348	264	-1.826	363	-1.45	462	-1.147	561	-0.893	660	-0.679		
69	-2.95	168	-2.331	267	-1.814	366	-1.439	465	-1.14	564	-0.885	663	-0.674		
72	-2.92	171	-2.309	270	-1.801	369	-1.429	468	-1.13	567	-0.879	666	-0.668		
75	-2.90	174	-2.289	273	-1.788	372	-1.419	471	-1.121	570	-0.872	669	-0.662		
78	-2.88	177	-2.27	276	-1.777	375	-1.41	474	-1.113	573	-0.865	672	-0.656		
81	-2.85	180	-2.252	279	-1.764	378	-1.4	477	-1.105	576	-0.858	675	-0.65		
84	-2.83	183	-2.233	282	-1.751	381	-1.39	480	-1.097	579	-0.851	678	-0.644		
87	-2.81	186	-2.216	285	-1.74	384	-1.381	483	-1.089	582	-0.844	681	-0.639		
90	-2.79	189	-2.197	288	-1.727	387	-1.371	486	-1.081	585	-0.839	684	-0.633		
93	-2.77	192	-2.18	291	-1.714	390	-1.361	489	-1.073	588	-0.831	687	-0.628		
96	-2.75	195	-2.163	294	-1.703	393	-1.352	492		591	-0.824	690	-0.622		
99	-2.73	198	-2.146	297	-1.691	396	-1.343	495	-1.057	594	-0.818	693	-0.616		
102	-2.71	201	-2.129	300	-1.679	399	-1.333	498	-1.049	597	-0.811	696	-0.611		
105	-2.69	204	-2.114	303	-1.667	402	-1.324	501	-1.041	600	-0.804	699	-0.605		
108	-2.67	207	-2.097	306	-1.656	405	-1.315	504	-1.034	603	-0.797	702	-0.6		
111	-2.65	210	-2.081	309	-1.645	408	-1.305	507	-1.025	606	-0.791	705	-0.596		
114	-2.63	213	-2.066	312	-1.634	411	-1.296	510	-1.018	609	-0.785	708	-0.589		
117	-2.61	216	-2.051	315	-1.623	414	-1.287	513	-1.01	612	-0.778	711	-0.583		



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p21-w)

Initial Displacement: -3.45 m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0159 m

Static Water Column Height: 21.72 m
Screen Length: 1.2 m
Wellbore Radius: 0.048 m

SOLUTION

Aquifer Model: Confined

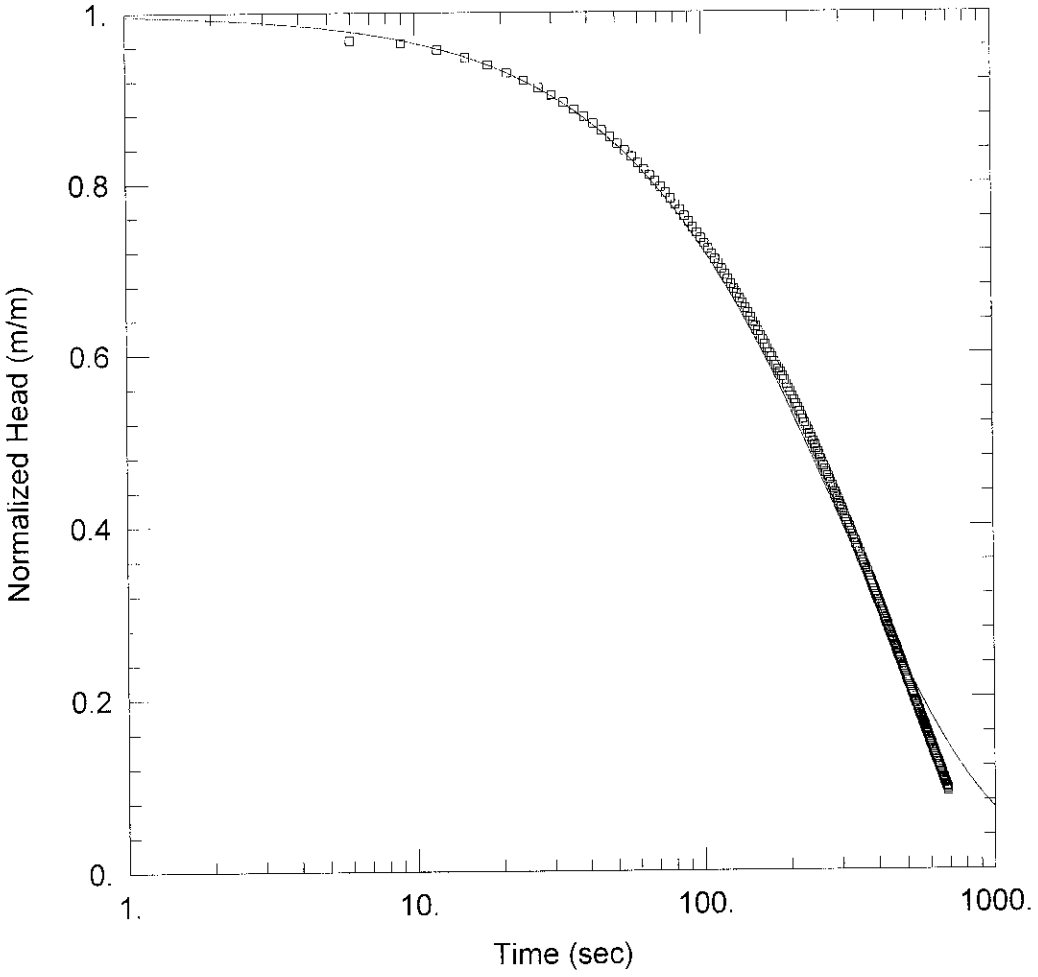
$T = 1.651E\text{-}5\ m^2/sec$

Solution Method: Cooper et al.

S = 1.2E-20

Packer Test- OW1-P21-w

Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.
12	-3.24	111	-1.831	210	-1.027	309	-0.569
15	-3.19	114	-1.803	213	-1.004	312	-0.563
18	-3.14	117	-1.769	216	-0.991	315	-0.55
21	-3.07	120	-1.742	219	-0.969	318	-0.544
24	-3.02	123	-1.709	222	-0.957	321	-0.531
27	-2.95	126	-1.683	225	-0.935	324	-0.525
30	-2.90	129	-1.65	228	-0.923	327	-0.513
33	-2.85	132	-1.625	231	-0.903	330	-0.508
36	-2.81	135	-1.593	234	-0.89	333	-0.496
39	-2.76	138	-1.569	237	-0.871	336	-0.488
42	-2.71	141	-1.538	240	-0.859	339	-0.479
45	-2.67	144	-1.515	243	-0.84		
48	-2.63	147	-1.485	246	-0.829		
51	-2.58	150	-1.463	249	-0.811		
54	-2.54	153	-1.434	252	-0.8		
57	-2.49	156	-1.412	255	-0.782		
60	-2.45	159	-1.384	258	-0.772		
63	-2.41	162	-1.364	261	-0.755		
66	-2.37	165	-1.336	264	-0.745		
69	-2.33	168	-1.316	267	-0.728		
72	-2.29	171	-1.29	270	-0.719		
75	-2.25	174	-1.271	273	-0.703		
78	-2.22	177	-1.245	276	-0.694		
81	-2.17	180	-1.226	279	-0.679		
84	-2.14	183	-1.201	282	-0.67		
87	-2.10	186	-1.183	285	-0.655		
90	-2.07	189	-1.159	288	-0.648		
93	-2.03	192	-1.143	291	-0.633		
96	-2.00	195	-1.118	294	-0.625		
99	-1.96	198	-1.103	297	-0.611		
102	-1.93	201	-1.079	300	-0.603		
105	-1.90	204	-1.064	303	-0.59		
108	-1.87	207	-1.041	306	-0.583		



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p22-w)

Initial Displacement: -2.7 m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0159 m

Static Water Column Height: 22.94 m
Screen Length: 1.2 m
Wellbore Radius: 0.048 m

SOLUTION

Aquifer Model: Confined

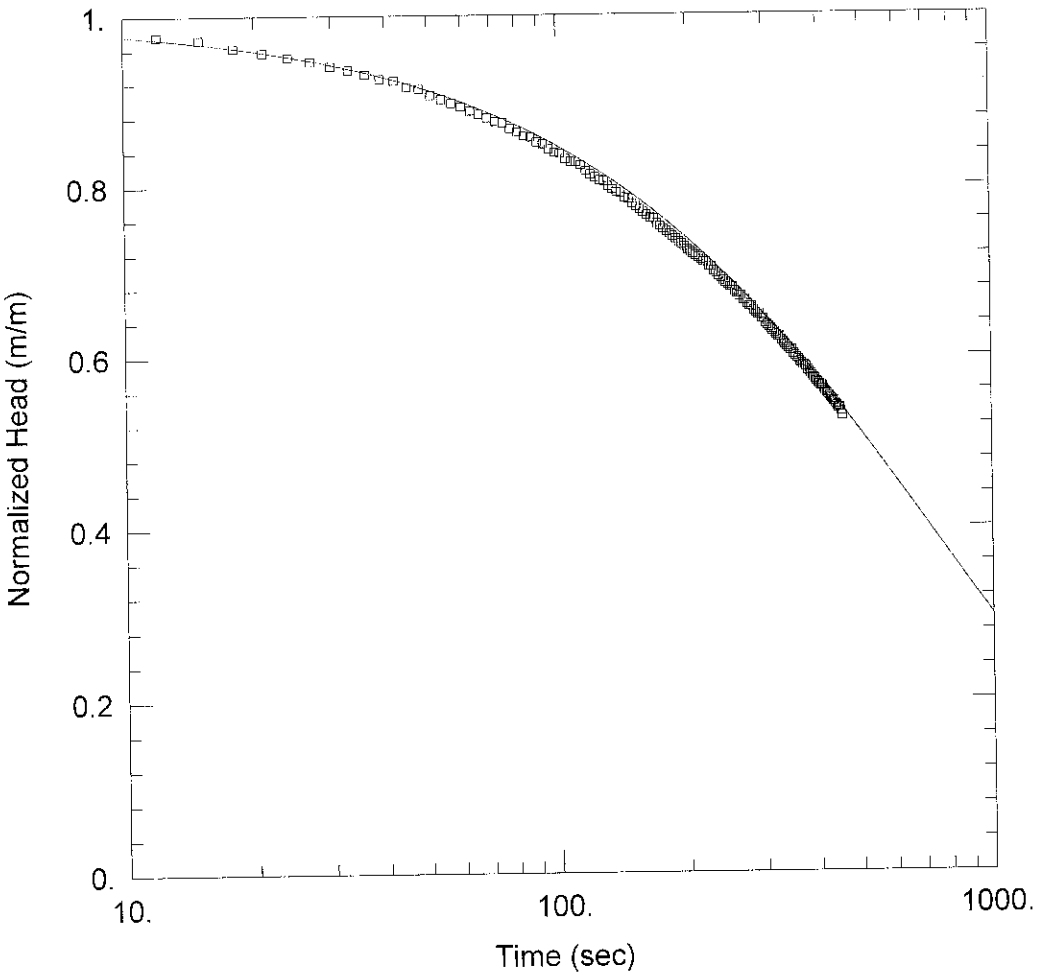
$T = 4.381E\text{-}6\ m^2/sec$

Solution Method: Cooper et al.

S = 1.0E-10

Packer Test- OW1-P22-w

Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.
6	-2.61	105	-1.951	204	-1.484	303	-1.123	402	-0.835	501	-0.595	600	-0.398
9	-2.60	108	-1.935	207	-1.471	306	-1.112	405	-0.828	504	-0.589	603	-0.392
12	-2.58	111	-1.918	210	-1.459	309	-1.103	408	-0.819	507	-0.582	606	-0.387
15	-2.56	114	-1.902	213	-1.447	312	-1.093	411	-0.811	510	-0.576	609	-0.381
18	-2.53	117	-1.887	216	-1.435	315	-1.084	414	-0.804	513	-0.57	612	-0.376
21	-2.51	120	-1.87	219	-1.423	318	-1.075	417	-0.796	516	-0.563	615	-0.37
24	-2.49	123	-1.854	222	-1.411	321	-1.065	420	-0.788	519	-0.556	618	-0.365
27	-2.46	126	-1.839	225	-1.4	324	-1.056	423	-0.781	522	-0.55	621	-0.36
30	-2.44	129	-1.823	228	-1.388	327	-1.047	426	-0.773	525	-0.544	624	-0.355
33	-2.42	132	-1.808	231	-1.376	330	-1.037	429	-0.765	528	-0.537	627	-0.349
36	-2.39	135	-1.793	234	-1.365	333	-1.029	432	-0.758	531	-0.531	630	-0.344
39	-2.37	138	-1.778	237	-1.353	336	-1.019	435	-0.75	534	-0.526	633	-0.34
42	-2.35	141	-1.763	240	-1.342	339	-1.01	438	-0.743	537	-0.52	636	-0.334
45	-2.33	144	-1.748	243	-1.331	342	-1.002	441	-0.736	540	-0.513	639	-0.33
48	-2.31	147	-1.733	246	-1.319	345	-0.992	444	-0.728	543	-0.506	642	-0.325
51	-2.28	150	-1.719	249	-1.308	348	-0.983	447	-0.721	546	-0.5	645	-0.319
54	-2.26	153	-1.705	252	-1.298	351	-0.974	450	-0.714	549	-0.495	648	-0.314
57	-2.24	156	-1.69	255	-1.287	354	-0.965	453	-0.706	552	-0.488	651	-0.309
60	-2.22	159	-1.675	258	-1.275	357	-0.957	456	-0.699	555	-0.483	654	-0.304
63	-2.20	162	-1.662	261	-1.265	360	-0.949	459	-0.692	558	-0.477	657	-0.3
66	-2.19	165	-1.647	264	-1.254	363	-0.942	462	-0.685	561	-0.471	660	-0.295
69	-2.17	168	-1.634	267	-1.244	366	-0.935	465	-0.677	564	-0.465	663	-0.289
72	-2.15	171	-1.62	270	-1.233	369	-0.926	468	-0.671	567	-0.459	666	-0.285
75	-2.13	174	-1.607	273	-1.223	372	-0.918	471	-0.663	570	-0.454	669	-0.28
78	-2.11	177	-1.593	276	-1.212	375	-0.91	474	-0.657	573	-0.448	672	-0.275
81	-2.09	180	-1.58	279	-1.202	378	-0.901	477		576	-0.442	675	-0.27
84	-2.07	183	-1.57	282	-1.192	381	-0.892	480	-0.642	579	-0.437	678	-0.265
87	-2.06	186	-1.56	285	-1.182	384	-0.884	483	-0.635	582	-0.431	681	-0.261
90	-2.04	189	-1.547	288	-1.172	387	-0.877	486	-0.629	585	-0.425	684	-0.257
93	-2.02	192	-1.535	291	-1.162	390	-0.867	489	-0.622	588	-0.42	687	-0.252
96	-2.00	195	-1.521	294	-1.152	393	-0.86	492	-0.615	591	-0.414	690	-0.246
99	-1.99	198	-1.509	297	-1.142	396	-0.852	495	-0.608	594	-0.409		
102	-1.97	201	-1.497	300	-1.133	399	-0.843	498	-0.601	597	-0.403		



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p23-w)

Initial Displacement: -2.95 m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0159 m

Static Water Column Height: 24.08 m
Screen Length: 1.2 m
Wellbore Radius: 0.048 m

SOLUTION

Aquifer Model: Confined

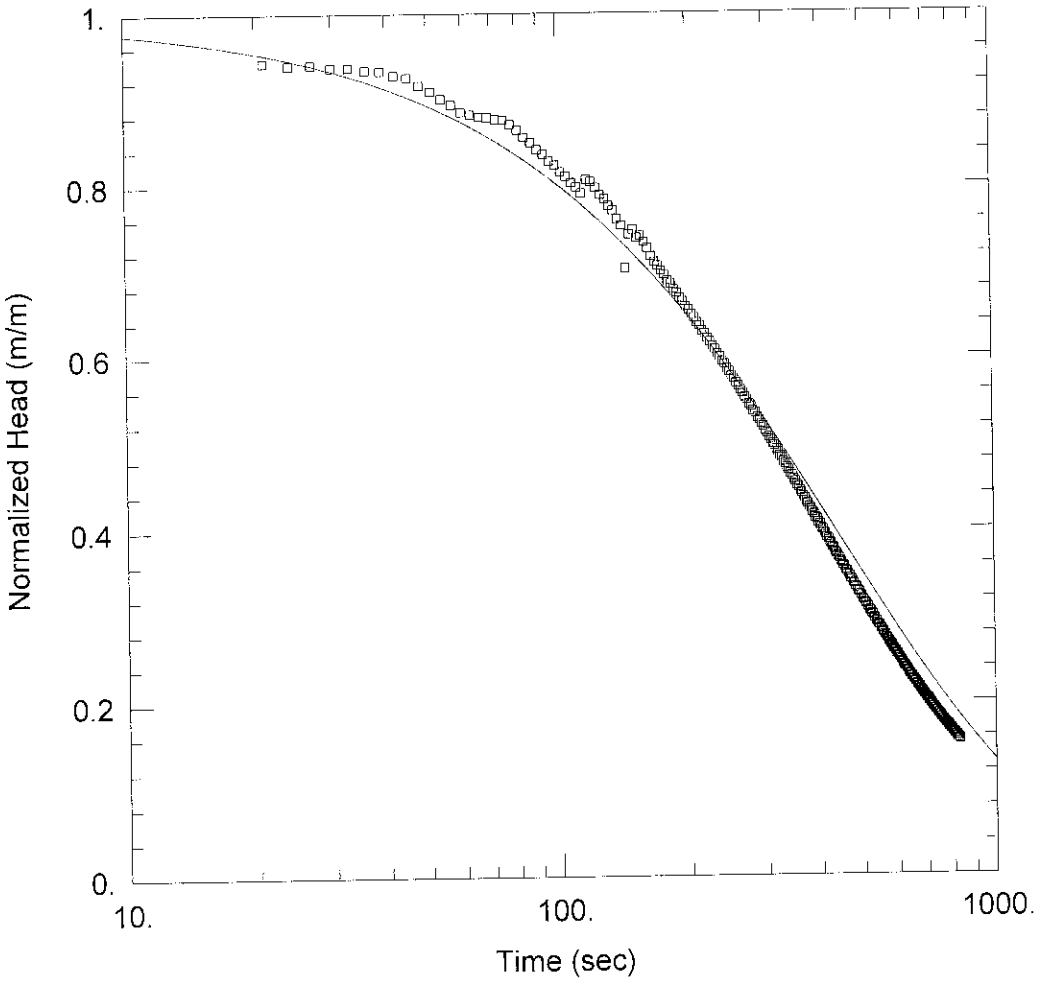
$T = 8.652E\text{-}7\ m^2/sec$

Solution Method: Cooper et al.

S = 1.0E-5

Packer Test- OW1-23-w

Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.
12	-2.88	111	-2.44	210	-2.115	309	-1.867	408	-1.662
15	-2.87	114	-2.429	213	-2.108	312	-1.86	411	-1.65
18	-2.84	117	-2.41	216	-2.101	315	-1.853	414	-1.644
21	-2.82	120	-2.398	219	-2.093	318	-1.846	417	-1.638
24	-2.81	123	-2.388	222	-2.092	321	-1.839	420	-1.633
27	-2.79	126	-2.377	225	-2.077	324	-1.832	423	-1.627
30	-2.78	129	-2.374	228	-2.076	327	-1.833	426	-1.621
33	-2.76	132	-2.356	231	-2.061	330	-1.82	429	-1.615
36	-2.75	135	-2.345	234	-2.053	333	-1.813	432	-1.609
39	-2.73	138	-2.335	237	-2.044	336	-1.806	435	-1.61
42	-2.73	141	-2.332	240	-2.037	339	-1.799	438	-1.598
45	-2.70	144	-2.316	243	-2.028	342	-1.793	441	-1.592
48	-2.70	147	-2.312	246	-2.02	345	-1.786	444	-1.586
51	-2.67	150	-2.295	249	-2.013	348	-1.786	447	-1.588
54	-2.66	153	-2.285	252	-2.006	351	-1.773	450	-1.575
57	-2.65	156	-2.275	255	-2.005	354	-1.766	453	-1.559
60	-2.63	159	-2.265	258	-1.991	357	-1.76		
63	-2.62	162	-2.256	261	-1.982	360	-1.754		
66	-2.61	165	-2.246	264	-1.974	363	-1.747		
69	-2.60	168	-2.244	267	-1.975	366	-1.741		
72	-2.58	171	-2.227	270	-1.96	369	-1.734		
75	-2.58	174	-2.217	273	-1.96	372	-1.735		
78	-2.56	177	-2.208	276	-1.946	375	-1.729		
81	-2.55	180	-2.199	279	-1.939	378	-1.716		
84	-2.53	183	-2.19	282	-1.938	381	-1.71		
87	-2.53	186	-2.181	285	-1.924	384	-1.704		
90	-2.51	189	-2.173	288	-1.916	387	-1.697		
93	-2.50	192	-2.163	291	-1.909	390	-1.691		
96	-2.49	195	-2.155	294	-1.909	393	-1.686		
99	-2.47	198	-2.146	297	-1.895	396	-1.679		
102	-2.47	201	-2.136	300	-1.895	399	-1.673		
105	-2.45	204	-2.129	303	-1.88	402	-1.667		
108	-2.44	207	-2.121	306	-1.873	405	-1.662		



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p24-w)

Initial Displacement: -3.95 m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0159 m

Static Water Column Height: 24.85 m
Screen Length: 1.2 m
Wellbore Radius: 0.048 m

SOLUTION

Aquifer Model: Confined

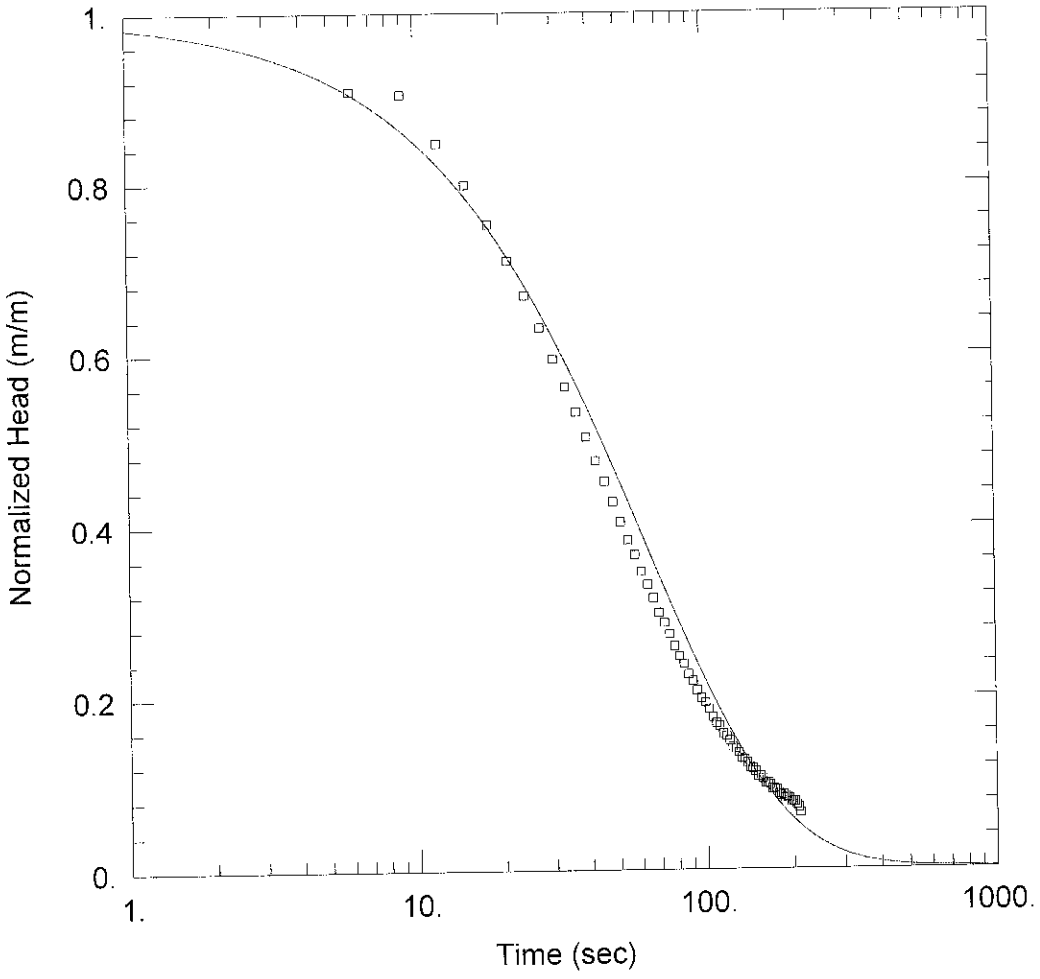
$T = 6.239E\text{-}6\ m^2/sec$

Solution Method: Cooper et al.

S = 1.2E-20

Packer Test- OW1-P24-w

Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.
21	-3.73	120	-3.176	219	-2.473	318	-1.939	417	-1.529	516	-1.203	615	-0.959	714	-0.766	813	-0.627
24	-3.71	123	-3.147	222	-2.451	321	-1.928	420	-1.514	519	-1.198	618	-0.949	717	-0.765	816	-0.619
27	-3.72	126	-3.116	225	-2.437	324	-1.91	423	-1.507	522	-1.187	621	-0.946	720	-0.757	819	-0.62
30	-3.70	129	-3.096	228	-2.416	327	-1.901	426	-1.493	525	-1.181	624	-0.936	723	-0.755	822	-0.613
33	-3.70	132	-3.065	231	-2.402	330	-1.883	429	-1.486	528	-1.17	627	-0.933	726	-0.748	825	-0.61
36	-3.69	135	-3.044	234	-2.38	333	-1.873	432	-1.471	531	-1.165	630	-0.924	729	-0.745		
39	-3.69	138	-3.004	237	-2.367	336	-1.856	435	-1.464	534	-1.153	633	-0.92	732	-0.737		
42	-3.67	141	-2.974	240	-2.346	339	-1.846	438	-1.45	537	-1.149	636	-0.911	735	-0.736		
45	-3.66	144	-2.777	243	-2.332	342	-1.829	441	-1.443	540	-1.138	639	-0.908	738	-0.729		
48	-3.62	147	-2.933	246	-2.312	345	-1.82	444	-1.429	543	-1.134	642	-0.899	741	-0.727		
51	-3.59	150	-2.954	249	-2.298	348	-1.803	447	-1.422	546	-1.122	645	-0.896	744	-0.72		
54	-3.56	153	-2.916	252	-2.278	351	-1.793	450	-1.409	549	-1.117	648	-0.887	747	-0.718		
57	-3.53	156	-2.925	255	-2.265	354	-1.777	453	-1.402	552	-1.106	651	-0.884	750	-0.71		
60	-3.50	159	-2.897	258	-2.245	357	-1.768	456	-1.388	555	-1.102	654	-0.875	753	-0.709		
63	-3.49	162	-2.87	261	-2.232	360	-1.751	459	-1.381	558	-1.091	657	-0.872	756	-0.7		
66	-3.48	165	-2.832	264	-2.212	363	-1.742	462	-1.369	561	-1.087	660	-0.864	759	-0.7		
69	-3.47	168	-2.805	267	-2.199	366	-1.726	465	-1.362	564	-1.076	663	-0.86	762	-0.692		
72	-3.46	171	-2.788	270	-2.179	369	-1.717	468	-1.349	567	-1.071	666	-0.852	765	-0.691		
75	-3.46	174	-2.764	273	-2.167	372	-1.701	471	-1.343	570	-1.061	669	-0.849	768	-0.684		
78	-3.44	177	-2.746	276	-2.147	375	-1.692	474	-1.33	573	-1.057	672	-0.841	771	-0.683		
81	-3.41	180	-2.719	279	-2.136	378	-1.677	477	-1.324	576	-1.046	675	-0.838	774	-0.675		
84	-3.38	183	-2.703	282	-2.116	381	-1.668	480	-1.311	579	-1.042	678	-0.83	777	-0.675		
87	-3.36	186	-2.679	285	-2.106	384	-1.652	483	-1.305	582	-1.031	681	-0.828	780	-0.667		
90	-3.33	189	-2.662	288	-2.086	387	-1.643	486	-1.292	585	-1.027	684	-0.818	783	-0.666		
93	-3.30	192	-2.638	291	-2.074	390	-1.628	489	-1.286	588	-1.018	687	-0.816	786	-0.659		
96	-3.27	195	-2.623	294	-2.056	393	-1.621	492	-1.274	591	-1.014	690	-0.808	789	-0.658		
99	-3.25	198	-2.599	297	-2.044	396	-1.604	495	-1.268	594	-1.003	693	-0.806	792	-0.65		
102	-3.22	201	-2.584	300	-2.025	399	-1.597	498	-1.256	597	-1	696	-0.797	795	-0.65		
105	-3.20	204	-2.562	303	-2.014	402	-1.581	501	-1.25	600	-0.989	699	-0.796	798	-0.643		
108	-3.17	207	-2.547	306	-1.996	405	-1.574	504	-1.239	603	-0.985	702	-0.787	801	-0.642		
111	-3.15	210	-2.525	309	-1.985	408	-1.559	507	-1.232	606	-0.976	705	-0.785	804	-0.635		
114	-3.12	213	-2.51	312	-1.967	411	-1.551	510	-1.221	609	-0.972	708	-0.777	807	-0.635		
117	-3.19	216	-2.487	315	-1.957	414	-1.537	513	-1.216	612	-0.963	711	-0.775	810	-0.627		



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p25-w)

Initial Displacement: -2.5 m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0159 m

Static Water Column Height: 25.27 m
Screen Length: 1.2 m
Wellbore Radius: 0.048 m

SOLUTION

Aquifer Model: Confined

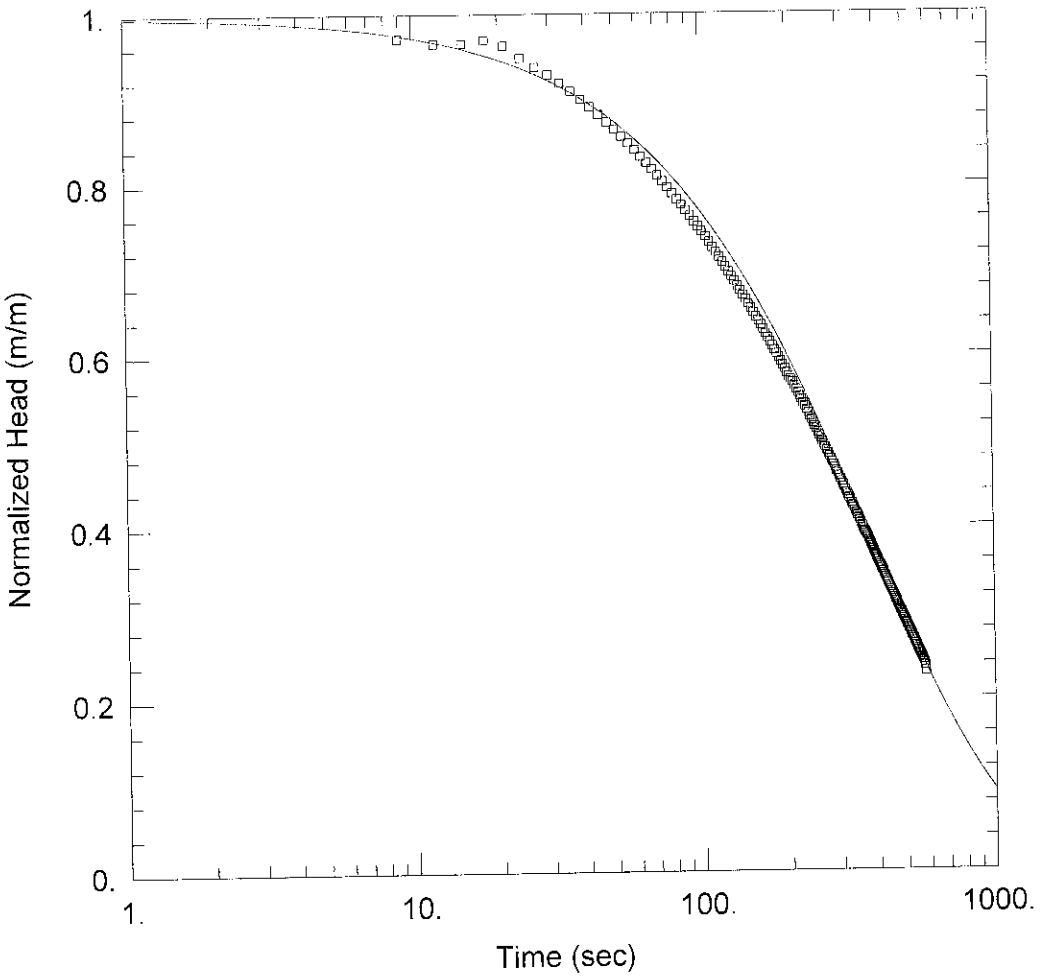
$T = 4.578E\text{-}5\ m^2/sec$

Solution Method: Cooper et al.

S = 1.2E-20

Packer Test- OW1-P25-w

Time	Displ.	Time	Displ.	Time	Displ.
6	-2.27	105	-0.44	204	-0.184
9	-2.26	108	-0.423	207	-0.176
12	-2.12	111	-0.414	210	-0.162
15	-2.00	114	-0.392		
18	-1.88	117	-0.385		
21	-1.77	120	-0.372		
24	-1.67	123	-0.353		
27	-1.58	126	-0.348		
30	-1.49	129	-0.337		
33	-1.40	132	-0.32		
36	-1.33	135	-0.316		
39	-1.26	138	-0.308		
42	-1.19	141	-0.292		
45	-1.13	144	-0.289		
48	-1.07	147	-0.282		
51	-1.01	150	-0.268		
54	-0.96	153	-0.267		
57	-0.91	156	-0.261		
60	-0.87	159	-0.247		
63	-0.83	162	-0.248		
66	-0.79	165	-0.243		
69	-0.75	168	-0.231		
72	-0.72	171	-0.232		
75	-0.68	174	-0.228		
78	-0.65	177	-0.216		
81	-0.62	180	-0.211		
84	-0.60	183	-0.214		
87	-0.57	186	-0.203		
90	-0.55	189	-0.207		
93	-0.52	192	-0.203		
96	-0.50	195	-0.192		
99	-0.48	198	-0.195		
102	-0.46	201	-0.193		



PROJECT INFORMATION

Company: Azimuth Environmental
Client: M.A.Q. Aggregates Inc.
Project: 04-015
Location: Duntroon
Test Well: OW1-04

AQUIFER DATA

Saturated Thickness: 1.2 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1-p26-w)

Initial Displacement: -3.5 m
Total Well Penetration Depth: 1.2 m
Casing Radius: 0.0159 m

Static Water Column Height: 27.04 m
Screen Length: 1.2 m
Wellbore Radius: 0.048 m

SOLUTION

Aquifer Model: Confined

$T = 7.43E\text{-}6\ m^2/sec$

Solution Method: Cooper et al.

S = 1.2E-20

Packer Test- OW1-P26-w

Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.	Time	Displ.
9	-3.40	108	-2.559	207	-1.984	306	-1.563	405	-1.244	504	-0.988
12	-3.38	111	-2.538	210	-1.969	309	-1.553	408	-1.235	507	-0.981
15	-3.38	114	-2.518	213	-1.954	312	-1.541	411	-1.226	510	-0.974
18	-3.39	117	-2.497	216	-1.94	315	-1.531	414	-1.218	513	-0.967
21	-3.37	120	-2.477	219	-1.926	318	-1.52	417	-1.209	516	-0.961
24	-3.32	123	-2.457	222	-1.913	321	-1.509	420	-1.201	519	-0.954
27	-3.28	126	-2.437	225	-1.897	324	-1.5	423	-1.193	522	-0.948
30	-3.25	129	-2.417	228	-1.884	327	-1.488	426	-1.184	525	-0.94
33	-3.22	132	-2.399	231	-1.87	330	-1.478	429	-1.176	528	-0.934
36	-3.18	135	-2.379	234	-1.857	333	-1.468	432	-1.167	531	-0.927
39	-3.15	138	-2.36	237	-1.843	336	-1.457	435	-1.159	534	-0.921
42	-3.12	141	-2.341	240	-1.829	339	-1.447	438	-1.151	537	-0.914
45	-3.08	144	-2.323	243	-1.816	342	-1.438	441	-1.143	540	-0.907
48	-3.05	147	-2.304	246	-1.803	345	-1.427	444	-1.135	543	-0.901
51	-3.02	150	-2.287	249	-1.791	348	-1.418	447	-1.127	546	-0.894
54	-2.99	153	-2.269	252	-1.776	351	-1.407	450	-1.119	549	-0.888
57	-2.97	156	-2.251	255	-1.764	354	-1.397	453	-1.11	552	-0.882
60	-2.94	159	-2.234	258	-1.752	357	-1.387	456	-1.102	555	-0.876
63	-2.91	162	-2.218	261	-1.739	360	-1.378	459	-1.095	558	-0.869
66	-2.89	165	-2.2	264	-1.727	363	-1.37	462	-1.087	561	-0.863
69	-2.86	168	-2.182	267	-1.715	366	-1.362	465	-1.08	564	-0.856
72	-2.83	171	-2.166	270	-1.703	369	-1.354	468	-1.072	567	-0.851
75	-2.81	174	-2.149	273	-1.69	372	-1.344	471	-1.064	570	-0.845
78	-2.78	177	-2.133	276	-1.679	375	-1.334	474	-1.057	573	-0.838
81	-2.76	180	-2.116	279	-1.667	378	-1.326	477	-1.049	576	-0.826
84	-2.74	183	-2.101	282	-1.656	381	-1.316	480		579	-0.805
87	-2.71	186	-2.085	285	-1.644	384	-1.307	483	-1.037		
90	-2.69	189	-2.069	288	-1.633	387	-1.297	486	-1.031		
93	-2.67	192	-2.054	291	-1.62	390	-1.288	489	-1.024		
96	-2.64	195	-2.038	294	-1.609	393	-1.279	492	-1.016		
99	-2.62	198	-2.022	297	-1.598	396	-1.27	495	-1.009		
102	-2.60	201	-2.007	300	-1.586	399	-1.261	498	-1.002		
105	-2.58	204	-1.996	303	-1.575	402	-1.253	501	-0.995		