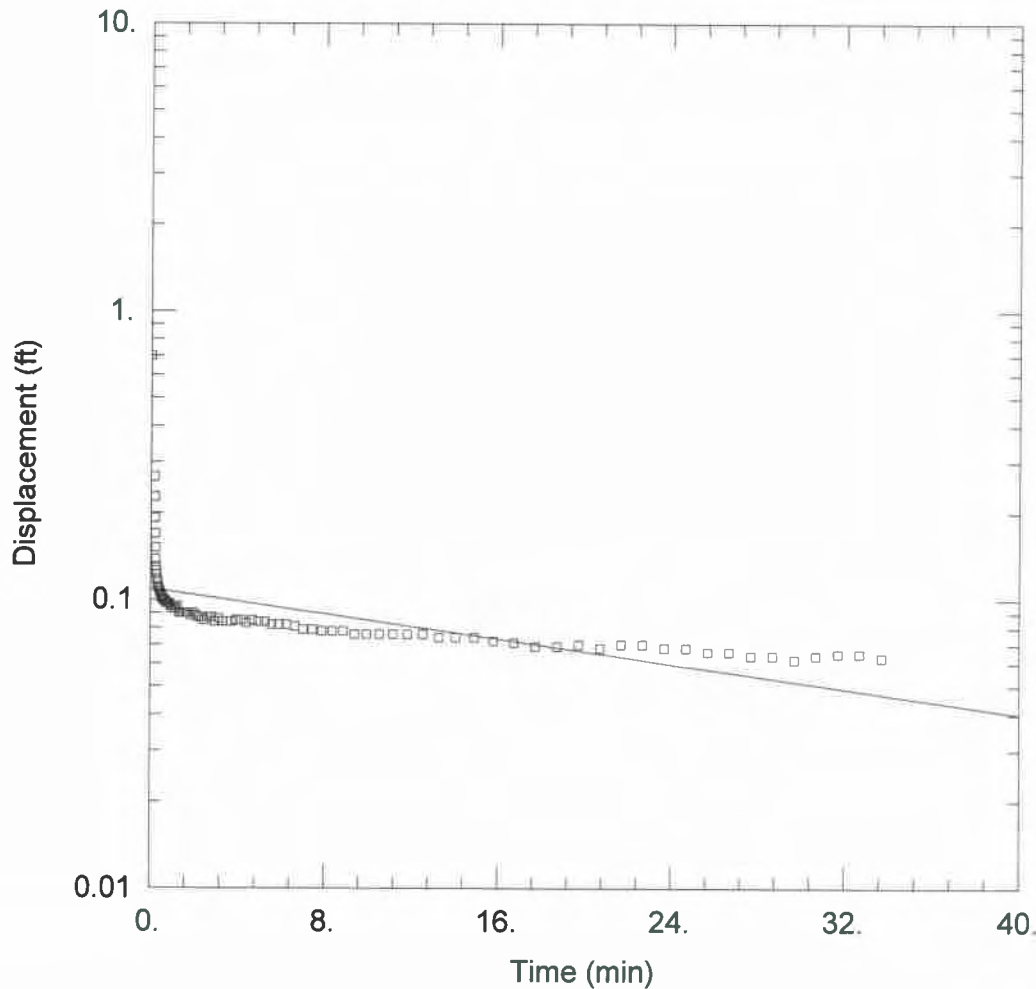




WELL TEST ANALYSIS

Data Set: C:\Win-Situ\data\2006-056 Lewis Chemical\esm-03-1.aqt

Date: 01/25/07

Time: 12:13:59

PROJECT INFORMATION

Company: es+m

Client: DND

Project: 2004-301

Test Location: Lewis Chemical

Test Well: esm-03-1

Test Date: 4/11/06

AQUIFER DATA

Saturated Thickness: 13. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (esm-03)

Initial Displacement: 0.698 ft

Water Column Height: 8. ft

Casing Radius: 0.167 ft

Wellbore Radius: 0.354 ft

Screen Length: 10. ft

Gravel Pack Porosity: 0.385

SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

$K = 1.862 \text{ gal/day/ft}^2$

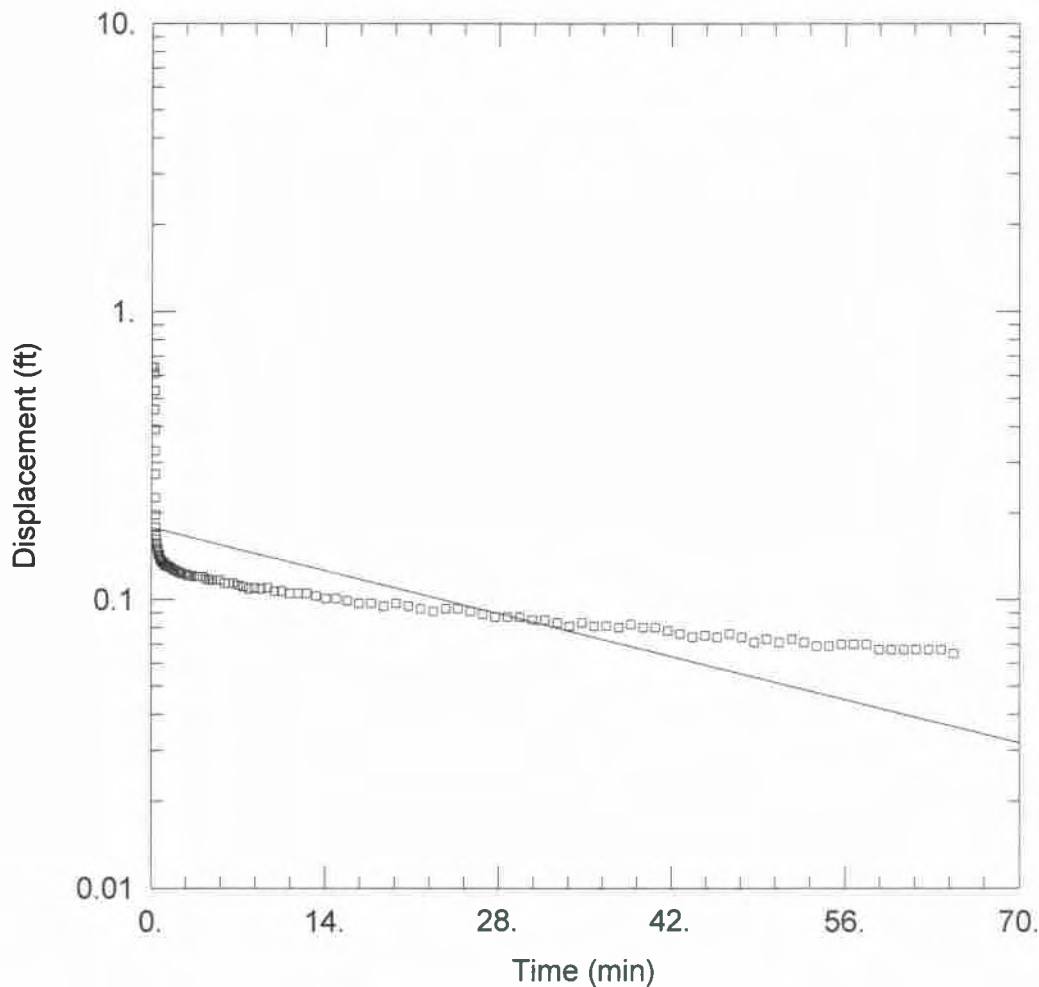
$y_0 = 0.1092 \text{ ft}$

esm-03-1b.txt

Date	Time	Chan[1] ET (min)	Chan[2]	Fahrenheit	Feet H2O
4/11/2006	8:32:55	0.095	48.08	6.355	0
4/11/2006	8:32:56	0.1118	48.08	5.657	0.698
4/11/2006	8:32:57	0.1185	48.11	5.744	0.611
4/11/2006	8:32:57	0.1255	48.11	5.792	0.563
4/11/2006	8:32:57	0.1327	48.11	5.846	0.509
4/11/2006	8:32:58	0.1405	48.11	5.897	0.458
4/11/2006	8:32:58	0.1488	48.11	5.949	0.406
4/11/2006	8:32:59	0.1578	48.11	5.997	0.358
4/11/2006	8:32:59	0.167	48.11	6.044	0.311
4/11/2006	8:33:00	0.1768	48.08	6.088	0.267
4/11/2006	8:33:01	0.1875	48.08	6.128	0.227
4/11/2006	8:33:01	0.1985	48.08	6.163	0.192
4/11/2006	8:33:02	0.21	48.08	6.186	0.169
4/11/2006	8:33:03	0.2225	48.08	6.204	0.151
4/11/2006	8:33:04	0.2358	48.08	6.217	0.138
4/11/2006	8:33:04	0.2498	48.08	6.225	0.13
4/11/2006	8:33:05	0.2647	48.08	6.229	0.126
4/11/2006	8:33:06	0.2803	48.08	6.233	0.122
4/11/2006	8:33:07	0.297	48.08	6.237	0.118
4/11/2006	8:33:08	0.3145	48.08	6.239	0.116
4/11/2006	8:33:09	0.3333	48.08	6.241	0.114
4/11/2006	8:33:11	0.3532	48.08	6.244	0.111
4/11/2006	8:33:12	0.374	48.08	6.246	0.109
4/11/2006	8:33:13	0.3963	48.08	6.246	0.109
4/11/2006	8:33:15	0.4198	48.08	6.248	0.107
4/11/2006	8:33:16	0.4445	48.08	6.25	0.105
4/11/2006	8:33:18	0.4695	48.08	6.25	0.105
4/11/2006	8:33:19	0.4963	48.08	6.252	0.103
4/11/2006	8:33:21	0.5247	48.08	6.254	0.101
4/11/2006	8:33:23	0.5547	48.08	6.254	0.101
4/11/2006	8:33:25	0.5862	48.08	6.254	0.101
4/11/2006	8:33:27	0.6213	48.08	6.256	0.099
4/11/2006	8:33:29	0.6578	48.08	6.256	0.099
4/11/2006	8:33:31	0.6963	48.08	6.256	0.099
4/11/2006	8:33:34	0.738	48.08	6.258	0.097
4/11/2006	8:33:36	0.7813	48.08	6.258	0.097
4/11/2006	8:33:39	0.8278	48.08	6.258	0.097
4/11/2006	8:33:42	0.8762	48.08	6.258	0.097
4/11/2006	8:33:45	0.9278	48.08	6.26	0.095
4/11/2006	8:33:48	0.9828	48.08	6.262	0.093
4/11/2006	8:33:52	1.0412	48.08	6.26	0.095
4/11/2006	8:33:56	1.103	48.08	6.26	0.095
4/11/2006	8:33:59	1.1678	48.06	6.262	0.093
4/11/2006	8:34:04	1.238	48.06	6.26	0.095
4/11/2006	8:34:08	1.3113	48.04	6.265	0.09
4/11/2006	8:34:13	1.3895	48.04	6.265	0.09
4/11/2006	8:34:18	1.4728	48.04	6.265	0.09
4/11/2006	8:34:23	1.5613	48.04	6.265	0.09
4/11/2006	8:34:29	1.6547	48.04	6.265	0.09
4/11/2006	8:34:35	1.753	48.01	6.265	0.09
4/11/2006	8:34:41	1.858	48.01	6.267	0.088
4/11/2006	8:34:47	1.9678	47.99	6.265	0.09
4/11/2006	8:34:54	2.0845	47.99	6.267	0.088
4/11/2006	8:35:02	2.2097	47.97	6.268	0.087
4/11/2006	8:35:10	2.3412	47.94	6.268	0.087
4/11/2006	8:35:18	2.4812	47.94	6.27	0.085
4/11/2006	8:35:27	2.6297	47.92	6.268	0.087
4/11/2006	8:35:37	2.7863	47.92	6.268	0.087
4/11/2006	8:35:47	2.953	47.9	6.271	0.084
4/11/2006	8:35:57	3.1297	47.88	6.269	0.086

esm-03-1b.txt

4/11/2006 8:36:08	3.3162	47.88	6.271	0.084
4/11/2006 8:36:20	3.5145	47.85	6.271	0.084
4/11/2006 8:36:33	3.7245	47.83	6.271	0.084
4/11/2006 8:36:46	3.9463	47.81	6.27	0.085
4/11/2006 8:37:00	4.1812	47.78	6.27	0.085
4/11/2006 8:37:15	4.4295	47.76	6.272	0.083
4/11/2006 8:37:31	4.6928	47.74	6.27	0.085
4/11/2006 8:37:48	4.9728	47.72	6.271	0.084
4/11/2006 8:38:06	5.2697	47.69	6.271	0.084
4/11/2006 8:38:24	5.583	47.67	6.273	0.082
4/11/2006 8:38:44	5.9145	47.65	6.273	0.082
4/11/2006 8:39:05	6.2663	47.65	6.273	0.082
4/11/2006 8:39:28	6.6395	47.62	6.274	0.081
4/11/2006 8:39:51	7.0345	47.6	6.276	0.079
4/11/2006 8:40:17	7.453	47.58	6.276	0.079
4/11/2006 8:40:43	7.8962	47.56	6.277	0.078
4/11/2006 8:41:11	8.3663	47.56	6.277	0.078
4/11/2006 8:41:41	8.8645	47.56	6.277	0.078
4/11/2006 8:42:13	9.3913	47.56	6.279	0.076
4/11/2006 8:42:46	9.9497	47.53	6.279	0.076
4/11/2006 8:43:22	10.5413	47.53	6.279	0.076
4/11/2006 8:43:59	11.168	47.53	6.279	0.076
4/11/2006 8:44:39	11.8312	47.51	6.279	0.076
4/11/2006 8:45:21	12.5347	47.53	6.279	0.076
4/11/2006 8:46:06	13.2795	47.51	6.281	0.074
4/11/2006 8:46:54	14.0695	47.51	6.281	0.074
4/11/2006 8:47:44	14.9062	47.51	6.281	0.074
4/11/2006 8:48:37	15.7913	47.51	6.283	0.072
4/11/2006 8:49:33	16.7295	47.49	6.284	0.071
4/11/2006 8:50:33	17.723	47.49	6.286	0.069
4/11/2006 8:51:33	18.723	47.49	6.286	0.069
4/11/2006 8:52:33	19.723	47.51	6.285	0.07
4/11/2006 8:53:33	20.723	47.51	6.287	0.068
4/11/2006 8:54:33	21.723	47.51	6.285	0.07
4/11/2006 8:55:33	22.723	47.51	6.285	0.07
4/11/2006 8:56:33	23.723	47.51	6.287	0.068
4/11/2006 8:57:33	24.723	47.53	6.287	0.068
4/11/2006 8:58:33	25.723	47.53	6.289	0.066
4/11/2006 8:59:33	26.723	47.56	6.289	0.066
4/11/2006 9:00:33	27.723	47.58	6.291	0.064
4/11/2006 9:01:33	28.723	47.6	6.291	0.064
4/11/2006 9:02:33	29.723	47.6	6.293	0.062
4/11/2006 9:03:33	30.723	47.6	6.291	0.064
4/11/2006 9:04:33	31.723	47.62	6.29	0.065
4/11/2006 9:05:33	32.723	47.62	6.29	0.065
4/11/2006 9:06:33	33.723	47.62	6.292	0.063



WELL TEST ANALYSIS

Data Set: C:\Win-Situ\data\2006-056 Lewis Chemical\esm-03-2.aqt
 Date: 01/25/07 Time: 10:39:24

PROJECT INFORMATION

Company: es+m
 Client: DND
 Project: 2004-301
 Test Location: Lewis Chemical
 Test Well: esm-03-1
 Test Date: 4/11/06

AQUIFER DATA

Saturated Thickness: 13. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (esm-03)

Initial Displacement: 0.64 ft Water Column Height: 8. ft
 Casing Radius: 0.167 ft Wellbore Radius: 0.354 ft
 Screen Length: 10. ft Gravel Pack Porosity: 0.385

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
 $K = 1.827 \text{ gal/day/ft}^2$ $y_0 = 0.1778 \text{ ft}$

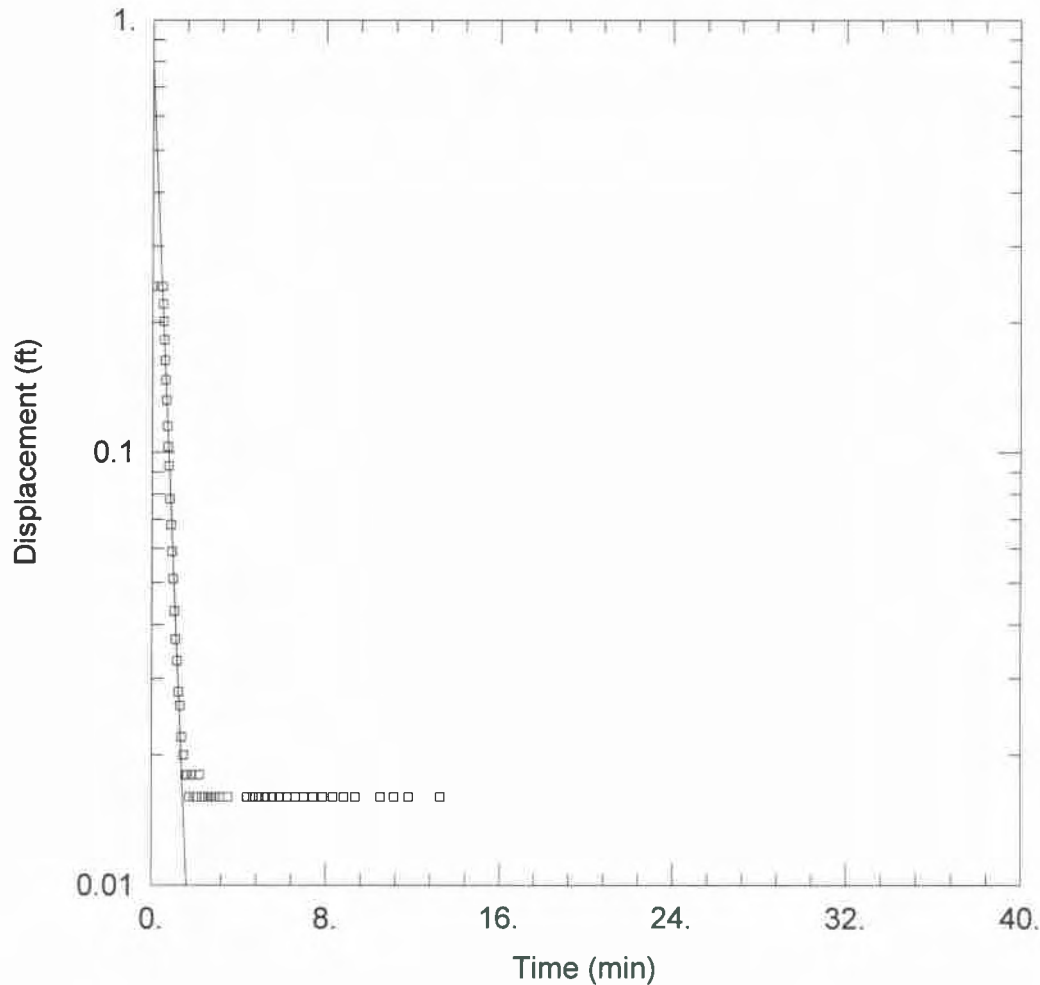
esm-03-2b.txt

Date	Time	Chan[1] ET (min)	Chan[2]	Fahrenheit		Feet H2O
4/11/2006	9:45:31	0.1875	48.4	6.354	0	
4/11/2006	9:45:33	0.21	48.38	5.714	0.64	
4/11/2006	9:45:33	0.2225	48.38	5.745	0.609	
4/11/2006	9:45:34	0.2358	48.38	5.822	0.532	
4/11/2006	9:45:35	0.2498	48.38	5.896	0.458	
4/11/2006	9:45:36	0.2647	48.38	5.963	0.391	
4/11/2006	9:45:37	0.2803	48.38	6.025	0.329	
4/11/2006	9:45:38	0.297	48.38	6.081	0.273	
4/11/2006	9:45:39	0.3145	48.38	6.128	0.226	
4/11/2006	9:45:40	0.3333	48.38	6.157	0.197	
4/11/2006	9:45:41	0.3532	48.38	6.176	0.178	
4/11/2006	9:45:43	0.374	48.38	6.186	0.168	
4/11/2006	9:45:44	0.3963	48.38	6.192	0.162	
4/11/2006	9:45:45	0.4198	48.38	6.197	0.157	
4/11/2006	9:45:47	0.4445	48.38	6.199	0.155	
4/11/2006	9:45:48	0.4695	48.38	6.203	0.151	
4/11/2006	9:45:50	0.4963	48.36	6.203	0.151	
4/11/2006	9:45:52	0.5247	48.38	6.205	0.149	
4/11/2006	9:45:53	0.5547	48.36	6.207	0.147	
4/11/2006	9:45:55	0.5862	48.36	6.211	0.143	
4/11/2006	9:45:57	0.6213	48.36	6.211	0.143	
4/11/2006	9:46:00	0.6578	48.36	6.211	0.143	
4/11/2006	9:46:02	0.6963	48.36	6.213	0.141	
4/11/2006	9:46:04	0.738	48.36	6.216	0.138	
4/11/2006	9:46:07	0.7813	48.36	6.218	0.136	
4/11/2006	9:46:10	0.8278	48.33	6.218	0.136	
4/11/2006	9:46:13	0.8762	48.33	6.218	0.136	
4/11/2006	9:46:16	0.9278	48.31	6.22	0.134	
4/11/2006	9:46:19	0.9828	48.31	6.22	0.134	
4/11/2006	9:46:23	1.0412	48.29	6.223	0.131	
4/11/2006	9:46:26	1.103	48.29	6.22	0.134	
4/11/2006	9:46:30	1.1678	48.29	6.223	0.131	
4/11/2006	9:46:34	1.238	48.27	6.223	0.131	
4/11/2006	9:46:39	1.3113	48.27	6.223	0.131	
4/11/2006	9:46:43	1.3895	48.24	6.223	0.131	
4/11/2006	9:46:48	1.4728	48.24	6.225	0.129	
4/11/2006	9:46:54	1.5613	48.24	6.225	0.129	
4/11/2006	9:46:59	1.6547	48.22	6.225	0.129	
4/11/2006	9:47:05	1.753	48.22	6.227	0.127	
4/11/2006	9:47:12	1.858	48.2	6.228	0.126	
4/11/2006	9:47:18	1.9678	48.2	6.228	0.126	
4/11/2006	9:47:25	2.0845	48.17	6.228	0.126	
4/11/2006	9:47:33	2.2097	48.17	6.23	0.124	
4/11/2006	9:47:41	2.3412	48.15	6.23	0.124	
4/11/2006	9:47:49	2.4812	48.13	6.231	0.123	
4/11/2006	9:47:58	2.6297	48.13	6.231	0.123	
4/11/2006	9:48:07	2.7863	48.11	6.231	0.123	
4/11/2006	9:48:17	2.953	48.11	6.233	0.121	
4/11/2006	9:48:28	3.1297	48.08	6.233	0.121	
4/11/2006	9:48:39	3.3162	48.06	6.233	0.121	
4/11/2006	9:48:51	3.5145	48.04	6.234	0.12	
4/11/2006	9:49:04	3.7245	48.04	6.234	0.12	
4/11/2006	9:49:17	3.9463	48.01	6.234	0.12	
4/11/2006	9:49:31	4.1812	47.99	6.234	0.12	
4/11/2006	9:49:46	4.4295	47.99	6.236	0.118	
4/11/2006	9:50:02	4.6928	47.97	6.237	0.117	
4/11/2006	9:50:18	4.9728	47.97	6.237	0.117	
4/11/2006	9:50:36	5.2697	47.94	6.237	0.117	
4/11/2006	9:50:55	5.583	47.9	6.237	0.117	
4/11/2006	9:51:15	5.9145	47.88	6.24	0.114	

esm-03-2b.txt

4/11/2006 9:51:36	6.2663	47.85	6.24	0.114
4/11/2006 9:51:58	6.6395	47.83	6.24	0.114
4/11/2006 9:52:22	7.0345	47.83	6.242	0.112
4/11/2006 9:52:47	7.453	47.81	6.243	0.111
4/11/2006 9:53:14	7.8962	47.81	6.245	0.109
4/11/2006 9:53:42	8.3663	47.83	6.244	0.11
4/11/2006 9:54:12	8.8645	47.81	6.245	0.109
4/11/2006 9:54:44	9.3913	47.83	6.244	0.11
4/11/2006 9:55:17	9.9497	47.81	6.247	0.107
4/11/2006 9:55:53	10.5413	47.81	6.247	0.107
4/11/2006 9:56:30	11.168	47.81	6.249	0.105
4/11/2006 9:57:10	11.8312	47.78	6.249	0.105
4/11/2006 9:57:52	12.5347	47.78	6.249	0.105
4/11/2006 9:58:37	13.2795	47.78	6.251	0.103
4/11/2006 9:59:24	14.0695	47.78	6.253	0.101
4/11/2006 10:00:14	14.9062	47.81	6.253	0.101
4/11/2006 10:01:08	15.7913	47.81	6.255	0.099
4/11/2006 10:02:04	16.7295	47.81	6.257	0.097
4/11/2006 10:03:03	17.723	47.81	6.257	0.097
4/11/2006 10:04:03	18.723	47.83	6.259	0.095
4/11/2006 10:05:03	19.723	47.83	6.257	0.097
4/11/2006 10:06:03	20.723	47.83	6.259	0.095
4/11/2006 10:07:03	21.723	47.85	6.261	0.093
4/11/2006 10:08:03	22.723	47.83	6.263	0.091
4/11/2006 10:09:03	23.723	47.83	6.261	0.093
4/11/2006 10:10:03	24.723	47.83	6.261	0.093
4/11/2006 10:11:03	25.723	47.85	6.263	0.091
4/11/2006 10:12:03	26.723	47.83	6.265	0.089
4/11/2006 10:13:03	27.723	47.83	6.267	0.087
4/11/2006 10:14:03	28.723	47.83	6.267	0.087
4/11/2006 10:15:03	29.723	47.83	6.267	0.087
4/11/2006 10:16:03	30.723	47.83	6.269	0.085
4/11/2006 10:17:03	31.723	47.85	6.269	0.085
4/11/2006 10:18:03	32.723	47.88	6.271	0.083
4/11/2006 10:19:03	33.723	47.88	6.273	0.081
4/11/2006 10:20:03	34.723	47.88	6.271	0.083
4/11/2006 10:21:03	35.723	47.9	6.273	0.081
4/11/2006 10:22:03	36.723	47.9	6.273	0.081
4/11/2006 10:23:03	37.723	47.92	6.274	0.08
4/11/2006 10:24:03	38.723	47.92	6.272	0.082
4/11/2006 10:25:03	39.723	47.92	6.274	0.08
4/11/2006 10:26:03	40.723	47.92	6.274	0.08
4/11/2006 10:27:03	41.723	47.92	6.276	0.078
4/11/2006 10:28:03	42.723	47.94	6.278	0.076
4/11/2006 10:29:03	43.723	47.94	6.28	0.074
4/11/2006 10:30:03	44.723	47.92	6.279	0.075
4/11/2006 10:31:03	45.723	47.94	6.28	0.074
4/11/2006 10:32:03	46.723	47.94	6.278	0.076
4/11/2006 10:33:03	47.723	47.94	6.28	0.074
4/11/2006 10:34:03	48.723	47.92	6.283	0.071
4/11/2006 10:35:03	49.723	47.92	6.281	0.073
4/11/2006 10:36:03	50.723	47.92	6.283	0.071
4/11/2006 10:37:03	51.723	47.92	6.281	0.073
4/11/2006 10:38:03	52.723	47.92	6.283	0.071
4/11/2006 10:39:03	53.723	47.92	6.285	0.069
4/11/2006 10:40:03	54.723	47.92	6.285	0.069
4/11/2006 10:41:03	55.723	47.94	6.284	0.07
4/11/2006 10:42:03	56.723	47.94	6.284	0.07
4/11/2006 10:43:03	57.723	47.94	6.284	0.07
4/11/2006 10:44:03	58.723	47.94	6.287	0.067
4/11/2006 10:45:03	59.723	47.94	6.287	0.067
4/11/2006 10:46:03	60.723	47.94	6.287	0.067
4/11/2006 10:47:03	61.723	47.92	6.287	0.067

		esm-03-2b.txt			
4/11/2006	10:48:03	62.723	47.9	6.287	0.067
4/11/2006	10:49:03	63.723	47.9	6.287	0.067
4/11/2006	10:50:03	64.723	47.9	6.289	0.065



WELL TEST ANALYSIS

Data Set: C:\Win-Situ\data\2006-056 Lewis Chemical\esm-05-1.aqt
 Date: 01/25/07 Time: 14:37:36

PROJECT INFORMATION

Company: es+m
 Client: DND
 Project: 2004-301
 Test Location: Lewis Chemical
 Test Well: esm-05-1
 Test Date: 4/11/06

AQUIFER DATA

Saturated Thickness: 13. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (esm-05)

Initial Displacement: 0.242 ft Water Column Height: 8. ft
 Casing Radius: 0.167 ft Wellbore Radius: 0.354 ft
 Screen Length: 10. ft Gravel Pack Porosity: 0.385

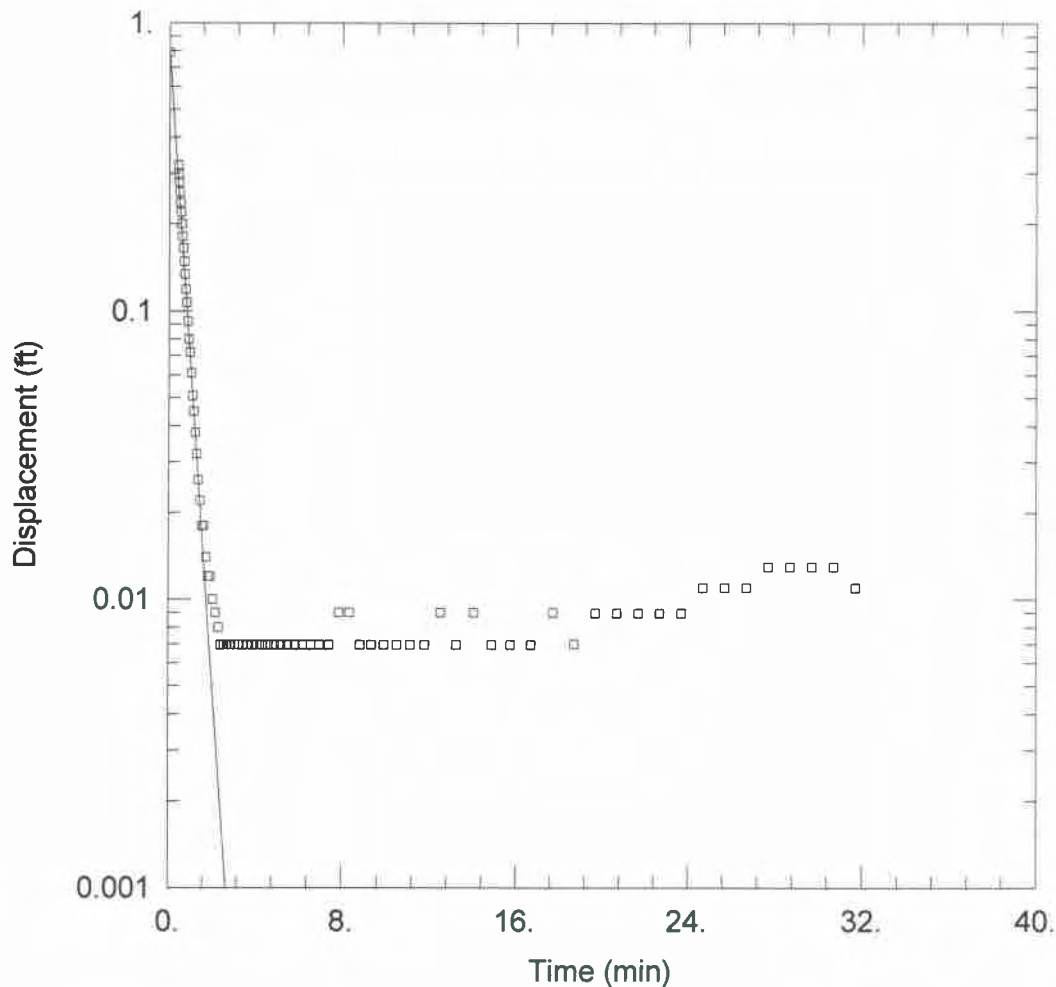
SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
 $K = 200.3 \text{ gal/day/ft}^2$ $y_0 = 0.8 \text{ ft}$

esm-05-1b.txt

Date	Time	Chan[1] ET (min)	Chan[2]	Fahrenheit	Feet H2O
4/11/2006	11:04:05	0.1255	50.6	8.306	0
4/11/2006	11:04:07	0.167	50.6	7.519	0.787
4/11/2006	11:04:08	0.1768	50.6	7.573	0.733
4/11/2006	11:04:08	0.1875	50.6	7.608	0.698
4/11/2006	11:04:09	0.1985	50.6	7.641	0.665
4/11/2006	11:04:10	0.21	50.6	7.675	0.631
4/11/2006	11:04:10	0.2225	50.6	7.706	0.6
4/11/2006	11:04:11	0.2358	50.6	7.737	0.569
4/11/2006	11:04:12	0.2498	50.57	7.768	0.538
4/11/2006	11:04:13	0.2647	50.57	7.797	0.509
4/11/2006	11:04:14	0.2803	50.57	7.828	0.478
4/11/2006	11:04:15	0.297	50.57	7.857	0.449
4/11/2006	11:04:16	0.3145	50.57	7.886	0.42
4/11/2006	11:04:17	0.3333	50.57	7.913	0.393
4/11/2006	11:04:18	0.3532	50.57	7.942	0.364
4/11/2006	11:04:20	0.374	50.57	7.967	0.339
4/11/2006	11:04:21	0.3963	50.57	7.994	0.312
4/11/2006	11:04:22	0.4198	50.57	8.019	0.287
4/11/2006	11:04:24	0.4445	50.57	8.044	0.262
4/11/2006	11:04:25	0.4695	50.57	8.064	0.242
4/11/2006	11:04:27	0.4963	50.6	8.085	0.221
4/11/2006	11:04:29	0.5247	50.6	8.105	0.201
4/11/2006	11:04:30	0.5547	50.57	8.124	0.182
4/11/2006	11:04:32	0.5862	50.6	8.143	0.163
4/11/2006	11:04:34	0.6213	50.6	8.159	0.147
4/11/2006	11:04:37	0.6578	50.6	8.174	0.132
4/11/2006	11:04:39	0.6963	50.57	8.191	0.115
4/11/2006	11:04:41	0.738	50.57	8.203	0.103
4/11/2006	11:04:44	0.7813	50.57	8.213	0.093
4/11/2006	11:04:47	0.8278	50.57	8.228	0.078
4/11/2006	11:04:50	0.8762	50.57	8.238	0.068
4/11/2006	11:04:53	0.9278	50.57	8.247	0.059
4/11/2006	11:04:56	0.9828	50.57	8.255	0.051
4/11/2006	11:05:00	1.0412	50.57	8.263	0.043
4/11/2006	11:05:03	1.103	50.57	8.269	0.037
4/11/2006	11:05:07	1.1678	50.57	8.273	0.033
4/11/2006	11:05:11	1.238	50.57	8.278	0.028
4/11/2006	11:05:16	1.3113	50.57	8.28	0.026
4/11/2006	11:05:20	1.3895	50.57	8.284	0.022
4/11/2006	11:05:25	1.4728	50.57	8.286	0.02
4/11/2006	11:05:31	1.5613	50.57	8.288	0.018
4/11/2006	11:05:36	1.6547	50.57	8.288	0.018
4/11/2006	11:05:42	1.753	50.57	8.29	0.016
4/11/2006	11:05:49	1.858	50.57	8.288	0.018
4/11/2006	11:05:55	1.9678	50.57	8.29	0.016
4/11/2006	11:06:02	2.0845	50.57	8.29	0.016
4/11/2006	11:06:10	2.2097	50.57	8.288	0.018
4/11/2006	11:06:18	2.3412	50.57	8.29	0.016
4/11/2006	11:06:26	2.4812	50.57	8.29	0.016
4/11/2006	11:06:35	2.6297	50.57	8.29	0.016
4/11/2006	11:06:44	2.7863	50.57	8.29	0.016
4/11/2006	11:06:54	2.953	50.57	8.29	0.016
4/11/2006	11:07:05	3.1297	50.57	8.29	0.016
4/11/2006	11:07:16	3.3162	50.57	8.292	0.014
4/11/2006	11:07:28	3.5145	50.57	8.29	0.016
4/11/2006	11:07:41	3.7245	50.57	8.292	0.014
4/11/2006	11:07:54	3.9463	50.57	8.292	0.014
4/11/2006	11:08:08	4.1812	50.57	8.292	0.014
4/11/2006	11:08:23	4.4295	50.57	8.29	0.016
4/11/2006	11:08:39	4.6928	50.57	8.29	0.016

		esm-05-1b.txt			
4/11/2006	11:08:55	4.9728	50.57	8.29	0.016
4/11/2006	11:09:13	5.2697	50.57	8.29	0.016
4/11/2006	11:09:32	5.583	50.57	8.29	0.016
4/11/2006	11:09:52	5.9145	50.57	8.29	0.016
4/11/2006	11:10:13	6.2663	50.57	8.29	0.016
4/11/2006	11:10:35	6.6395	50.57	8.29	0.016
4/11/2006	11:10:59	7.0345	50.57	8.29	0.016
4/11/2006	11:11:24	7.453	50.57	8.29	0.016
4/11/2006	11:11:51	7.8962	50.55	8.29	0.016
4/11/2006	11:12:19	8.3663	50.55	8.29	0.016
4/11/2006	11:12:49	8.8645	50.55	8.29	0.016
4/11/2006	11:13:21	9.3913	50.55	8.29	0.016
4/11/2006	11:13:54	9.9497	50.55	8.292	0.014
4/11/2006	11:14:30	10.5413	50.55	8.29	0.016
4/11/2006	11:15:07	11.168	50.55	8.29	0.016
4/11/2006	11:15:47	11.8312	50.55	8.29	0.016
4/11/2006	11:16:29	12.5347	50.55	8.288	0.018
4/11/2006	11:17:14	13.2795	50.55	8.29	0.016
4/11/2006	11:18:01	14.0695	50.55	8.288	0.018
4/11/2006	11:18:51	14.9062	50.55	8.286	0.02
4/11/2006	11:19:45	15.7913	50.55	8.288	0.018
4/11/2006	11:20:41	16.7295	50.57	8.288	0.018
4/11/2006	11:21:40	17.723	50.57	8.288	0.018
4/11/2006	11:22:40	18.723	50.57	8.288	0.018
4/11/2006	11:23:40	19.723	50.57	8.288	0.018



WELL TEST ANALYSIS

Data Set: C:\Win-Situ\data\2006-056 Lewis Chemical\esm-05-2.aqt
 Date: 01/25/07 Time: 14:37:49

PROJECT INFORMATION

Company: es+m
 Client: DND
 Project: 2004-301
 Test Location: Lewis Chemical
 Test Well: esm-05-1
 Test Date: 4/11/06

AQUIFER DATA

Saturated Thickness: 13. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (esm-05)

Initial Displacement: 0.787 ft Water Column Height: 8. ft
 Casing Radius: 0.167 ft Wellbore Radius: 0.354 ft
 Screen Length: 10. ft Gravel Pack Porosity: 0.385

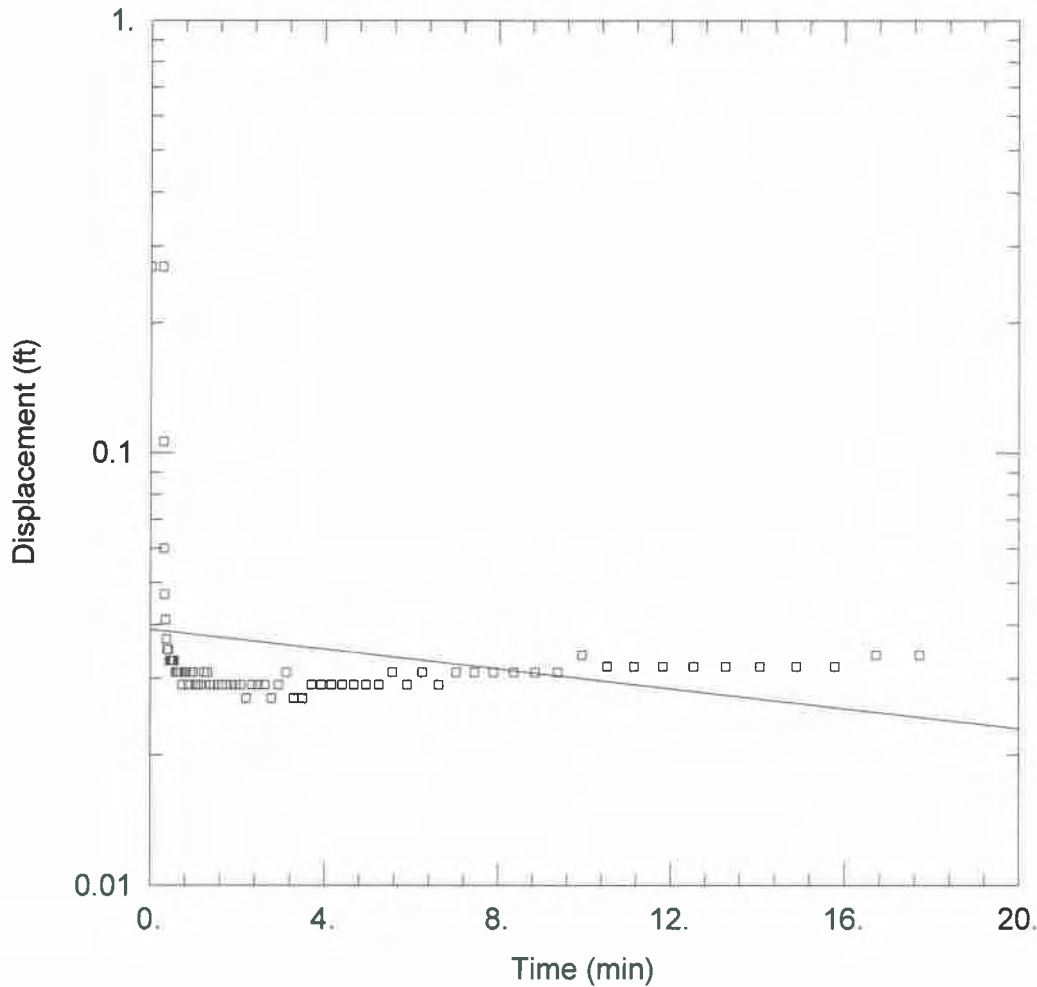
SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
 $K = 184.3 \text{ gal/day/ft}^2$ $y_0 = 0.8 \text{ ft}$

esm-05-2b.txt

Date	Time	Chan[1] ET (min)	Chan[2]	Fahrenheit	Feet H2O	adjusted
4/11/2006	11:32:03	0.1255	50.67	8.301	0	
4/11/2006	11:32:03	0.1327	50.67	7.825	0.476	
4/11/2006	11:32:04	0.1405	50.67	7.512	0.789	
4/11/2006	11:32:05	0.1578	50.67	7.5	0.801	
4/11/2006	11:32:05	0.167	50.67	7.603	0.698	
4/11/2006	11:32:06	0.1768	50.67	7.628	0.673	
4/11/2006	11:32:07	0.1875	50.67	7.653	0.648	
4/11/2006	11:32:07	0.1985	50.64	7.678	0.623	
4/11/2006	11:32:08	0.21	50.64	7.703	0.598	
4/11/2006	11:32:09	0.2225	50.64	7.728	0.573	
4/11/2006	11:32:10	0.2358	50.64	7.751	0.55	
4/11/2006	11:32:10	0.2498	50.64	7.776	0.525	
4/11/2006	11:32:11	0.2647	50.64	7.798	0.503	
4/11/2006	11:32:12	0.2803	50.64	7.821	0.48	
4/11/2006	11:32:13	0.297	50.64	7.846	0.455	
4/11/2006	11:32:14	0.3145	50.64	7.869	0.432	
4/11/2006	11:32:15	0.3333	50.62	7.892	0.409	
4/11/2006	11:32:17	0.3532	50.62	7.915	0.386	
4/11/2006	11:32:18	0.374	50.62	7.937	0.364	
4/11/2006	11:32:19	0.3963	50.62	7.96	0.341	
4/11/2006	11:32:21	0.4198	50.62	7.981	0.32	
4/11/2006	11:32:22	0.4445	50.62	8.004	0.297	
4/11/2006	11:32:24	0.4695	50.62	8.022	0.279	
4/11/2006	11:32:25	0.4963	50.62	8.043	0.258	
4/11/2006	11:32:27	0.5247	50.62	8.064	0.237	
4/11/2006	11:32:29	0.5547	50.62	8.082	0.219	
4/11/2006	11:32:31	0.5862	50.62	8.101	0.2	
4/11/2006	11:32:33	0.6213	50.62	8.12	0.181	
4/11/2006	11:32:35	0.6578	50.62	8.136	0.165	
4/11/2006	11:32:37	0.6963	50.62	8.153	0.148	
4/11/2006	11:32:40	0.738	50.64	8.167	0.134	
4/11/2006	11:32:42	0.7813	50.62	8.182	0.119	
4/11/2006	11:32:45	0.8278	50.62	8.194	0.107	
4/11/2006	11:32:48	0.8762	50.62	8.209	0.092	
4/11/2006	11:32:51	0.9278	50.64	8.221	0.08	
4/11/2006	11:32:54	0.9828	50.62	8.229	0.072	
4/11/2006	11:32:58	1.0412	50.62	8.24	0.061	
4/11/2006	11:33:02	1.103	50.64	8.25	0.051	
4/11/2006	11:33:05	1.1678	50.62	8.256	0.045	
4/11/2006	11:33:10	1.238	50.62	8.263	0.038	
4/11/2006	11:33:14	1.3113	50.62	8.269	0.032	
4/11/2006	11:33:19	1.3895	50.62	8.275	0.026	
4/11/2006	11:33:24	1.4728	50.62	8.279	0.022	
4/11/2006	11:33:29	1.5613	50.62	8.283	0.018	
4/11/2006	11:33:35	1.6547	50.62	8.283	0.018	
4/11/2006	11:33:41	1.753	50.62	8.287	0.014	
4/11/2006	11:33:47	1.858	50.62	8.289	0.012	
4/11/2006	11:33:53	1.9678	50.62	8.289	0.012	
4/11/2006	11:34:00	2.0845	50.64	8.291	0.01	
4/11/2006	11:34:08	2.2097	50.62	8.292	0.009	
4/11/2006	11:34:16	2.3412	50.64	8.293	0.008	
4/11/2006	11:34:24	2.4812	50.62	8.294	0.007	
4/11/2006	11:34:33	2.6297	50.62	8.294	0.007	
4/11/2006	11:34:43	2.7863	50.62	8.294	0.007	
4/11/2006	11:34:53	2.953	50.62	8.294	0.007	
4/11/2006	11:35:03	3.1297	50.62	8.294	0.007	
4/11/2006	11:35:14	3.3162	50.62	8.294	0.007	
4/11/2006	11:35:26	3.5145	50.62	8.294	0.007	
4/11/2006	11:35:39	3.7245	50.62	8.294	0.007	
4/11/2006	11:35:52	3.9463	50.62	8.294	0.007	

		esm-05-2b.txt			
4/11/2006	11:36:06	4.1812	50.62	8.294	0.007
4/11/2006	11:36:21	4.4295	50.62	8.294	0.007
4/11/2006	11:36:37	4.6928	50.62	8.294	0.007
4/11/2006	11:36:54	4.9728	50.6	8.294	0.007
4/11/2006	11:37:12	5.2697	50.6	8.294	0.007
4/11/2006	11:37:30	5.583	50.6	8.294	0.007
4/11/2006	11:37:50	5.9145	50.6	8.294	0.007
4/11/2006	11:38:11	6.2663	50.6	8.294	0.007
4/11/2006	11:38:34	6.6395	50.6	8.294	0.007
4/11/2006	11:38:57	7.0345	50.6	8.294	0.007
4/11/2006	11:39:23	7.453	50.6	8.294	0.007
4/11/2006	11:39:49	7.8962	50.6	8.292	0.009
4/11/2006	11:40:17	8.3663	50.6	8.292	0.009
4/11/2006	11:40:47	8.8645	50.6	8.294	0.007
4/11/2006	11:41:19	9.3913	50.6	8.294	0.007
4/11/2006	11:41:52	9.9497	50.6	8.294	0.007
4/11/2006	11:42:28	10.5413	50.6	8.294	0.007
4/11/2006	11:43:05	11.168	50.6	8.294	0.007
4/11/2006	11:43:45	11.8312	50.6	8.294	0.007
4/11/2006	11:44:27	12.5347	50.6	8.292	0.009
4/11/2006	11:45:12	13.2795	50.6	8.294	0.007
4/11/2006	11:46:00	14.0695	50.57	8.292	0.009
4/11/2006	11:46:50	14.9062	50.57	8.294	0.007
4/11/2006	11:47:43	15.7913	50.57	8.294	0.007
4/11/2006	11:48:39	16.7295	50.57	8.294	0.007
4/11/2006	11:49:39	17.723	50.57	8.292	0.009
4/11/2006	11:50:39	18.723	50.57	8.294	0.007
4/11/2006	11:51:39	19.723	50.57	8.292	0.009
4/11/2006	11:52:39	20.723	50.57	8.292	0.009
4/11/2006	11:53:39	21.723	50.57	8.292	0.009
4/11/2006	11:54:39	22.723	50.57	8.292	0.009
4/11/2006	11:55:39	23.723	50.57	8.292	0.009
4/11/2006	11:56:39	24.723	50.57	8.29	0.011
4/11/2006	11:57:39	25.723	50.55	8.29	0.011
4/11/2006	11:58:39	26.723	50.55	8.29	0.011
4/11/2006	11:59:39	27.723	50.57	8.288	0.013
4/11/2006	12:00:39	28.723	50.57	8.288	0.013
4/11/2006	12:01:39	29.723	50.57	8.288	0.013
4/11/2006	12:02:39	30.723	50.55	8.288	0.013
4/11/2006	12:03:39	31.723	50.55	8.29	0.011



WELL TEST ANALYSIS

Data Set: C:\Win-Situ\data\2006-056 Lewis Chemical\esm-13.aqt

Date: 01/25/07

Time: 10:39:51

PROJECT INFORMATION

Company: ES&M

Client: DND

Project: 2004-301

Test Location: Lewis Chemical

Test Well: ESM-13

Test Date: 4/11/06

AQUIFER DATA

Saturated Thickness: 29. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (esm-13)

Initial Displacement: 0.269 ft

Water Column Height: 4. ft

Casing Radius: 0.167 ft

Wellbore Radius: 0.354 ft

Screen Length: 10. ft

Gravel Pack Porosity: 0.385

SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

$K = 1.557$ gal/day/ft²

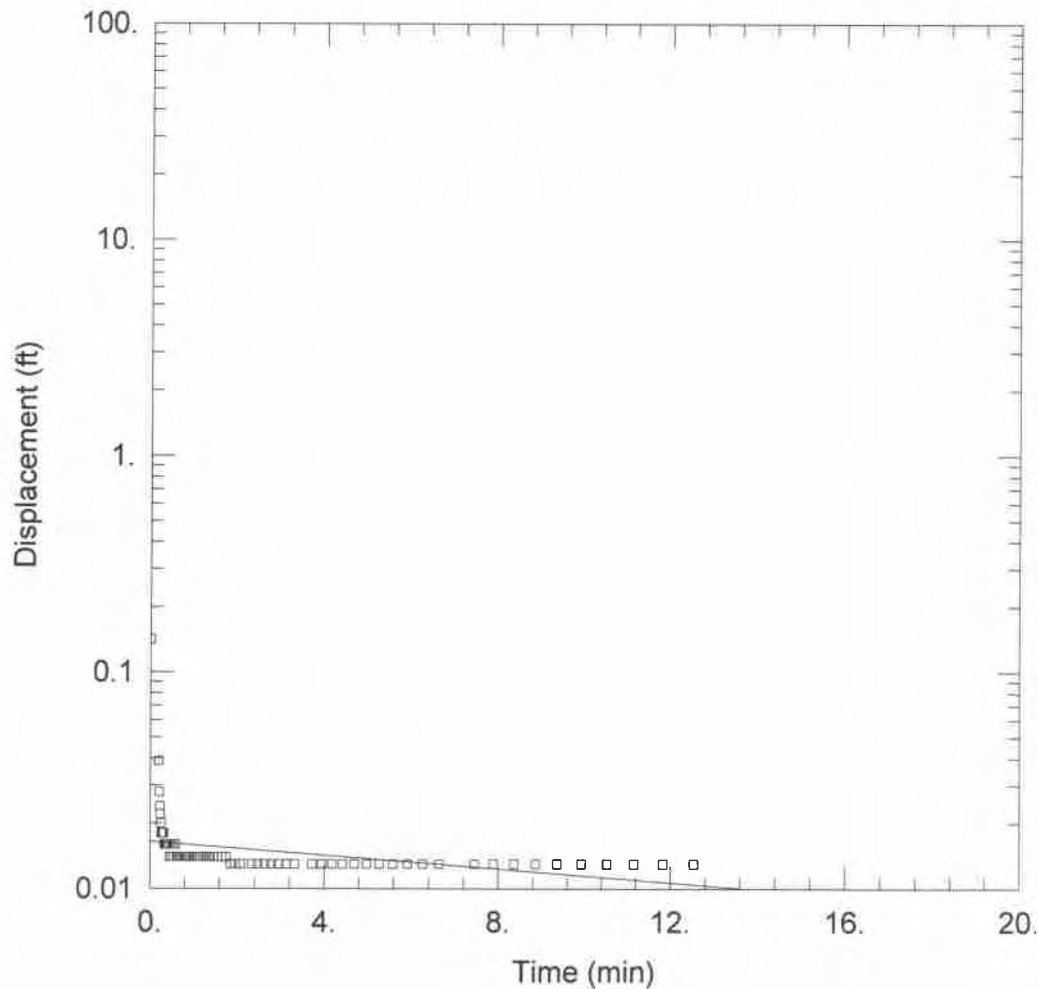
$y_0 = 0.039$ ft

esm-13-1.txt

Date	Time	Chan[1] ET (min)	Chan[2]	Fahrenheit	Feet H2O	ad. Depth
4/11/06	0.2647	48.13	3.651	0		
4/11/06	0.2803	48.13	3.382	0.269		
4/11/06	0.297	48.15	3.545	0.106		
4/11/06	0.3145	48.15	3.591	0.06		
4/11/06	0.3333	48.13	3.604	0.047		
4/11/06	0.3532	48.13	3.61	0.041		
4/11/06	0.374	48.15	3.614	0.037		
4/11/06	0.3963	48.13	3.616	0.035		
4/11/06	0.4198	48.15	3.616	0.035		
4/11/06	0.4445	48.15	3.618	0.033		
4/11/06	0.4695	48.15	3.618	0.033		
4/11/06	0.4963	48.15	3.618	0.033		
4/11/06	0.5247	48.15	3.618	0.033		
4/11/06	0.5547	48.15	3.618	0.033		
4/11/06	0.5862	48.15	3.62	0.031		
4/11/06	0.6213	48.15	3.62	0.031		
4/11/06	0.6578	48.15	3.62	0.031		
4/11/06	0.6963	48.15	3.62	0.031		
4/11/06	0.738	48.15	3.622	0.029		
4/11/06	0.7813	48.15	3.62	0.031		
4/11/06	0.8278	48.15	3.62	0.031		
4/11/06	0.8762	48.15	3.622	0.029		
4/11/06	0.9278	48.15	3.62	0.031		
4/11/06	0.9828	48.15	3.62	0.031		
4/11/06	1.0412	48.15	3.622	0.029		
4/11/06	1.103	48.15	3.622	0.029		
4/11/06	1.1678	48.15	3.622	0.029		
4/11/06	1.238	48.15	3.62	0.031		
4/11/06	1.3113	48.13	3.62	0.031		
4/11/06	1.3895	48.13	3.622	0.029		
4/11/06	1.4728	48.15	3.622	0.029		
4/11/06	1.5613	48.15	3.622	0.029		
4/11/06	1.6547	48.15	3.622	0.029		
4/11/06	1.753	48.15	3.622	0.029		
4/11/06	1.858	48.15	3.622	0.029		
4/11/06	1.9678	48.15	3.622	0.029		
4/11/06	2.0845	48.15	3.622	0.029		
4/11/06	2.2097	48.15	3.624	0.027		
4/11/06	2.3412	48.15	3.622	0.029		
4/11/06	2.4812	48.15	3.622	0.029		
4/11/06	2.6297	48.15	3.622	0.029		
4/11/06	2.7863	48.15	3.624	0.027		
4/11/06	2.953	48.15	3.622	0.029		
4/11/06	3.1297	48.15	3.62	0.031		
4/11/06	3.3162	48.17	3.624	0.027		
4/11/06	3.5145	48.17	3.624	0.027		
4/11/06	3.7245	48.15	3.622	0.029		
4/11/06	3.9463	48.17	3.622	0.029		
4/11/06	4.1812	48.15	3.622	0.029		
4/11/06	4.4295	48.15	3.622	0.029		
4/11/06	4.6928	48.17	3.622	0.029		
4/11/06	4.9728	48.17	3.622	0.029		
4/11/06	5.2697	48.15	3.622	0.029		
4/11/06	5.583	48.15	3.62	0.031		
4/11/06	5.9145	48.15	3.622	0.029		
4/11/06	6.2663	48.15	3.62	0.031		
4/11/06	6.6395	48.15	3.622	0.029		
4/11/06	7.0345	48.17	3.62	0.031		
4/11/06	7.453	48.17	3.62	0.031		
4/11/06	7.8962	48.17	3.62	0.031		

esm-13-1.txt

4/11/06	8.3663	48.17	3.62	0.031
4/11/06	8.8645	48.17	3.62	0.031
4/11/06	9.3913	48.17	3.62	0.031
4/11/06	9.9497	48.2	3.617	0.034
4/11/06	10.5413	48.2	3.619	0.032
4/11/06	11.168	48.2	3.619	0.032
4/11/06	11.8312	48.2	3.619	0.032
4/11/06	12.5347	48.22	3.619	0.032
4/11/06	13.2795	48.22	3.619	0.032
4/11/06	14.0695	48.22	3.619	0.032
4/11/06	14.9062	48.22	3.619	0.032
4/11/06	15.7913	48.24	3.619	0.032
4/11/06	16.7295	48.24	3.617	0.034
4/11/06	17.723	48.24	3.617	0.034



WELL TEST ANALYSIS

Data Set: C:\Win-Situ\data\2006-056 Lewis Chemical\esm-13-2.aqt
 Date: 01/25/07 Time: 12:28:44

PROJECT INFORMATION

Company: es+m
 Client: DND
 Project: 2004-301
 Test Location: Lewis Chemical
 Test Well: esm-13-2
 Test Date: 4/11/06

AQUIFER DATA

Saturated Thickness: 29. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (esm-13)

Initial Displacement: 0.142 ft Water Column Height: 4. ft
 Casing Radius: 0.167 ft Wellbore Radius: 0.354 ft
 Screen Length: 10. ft Gravel Pack Porosity: 0.385

SOLUTION

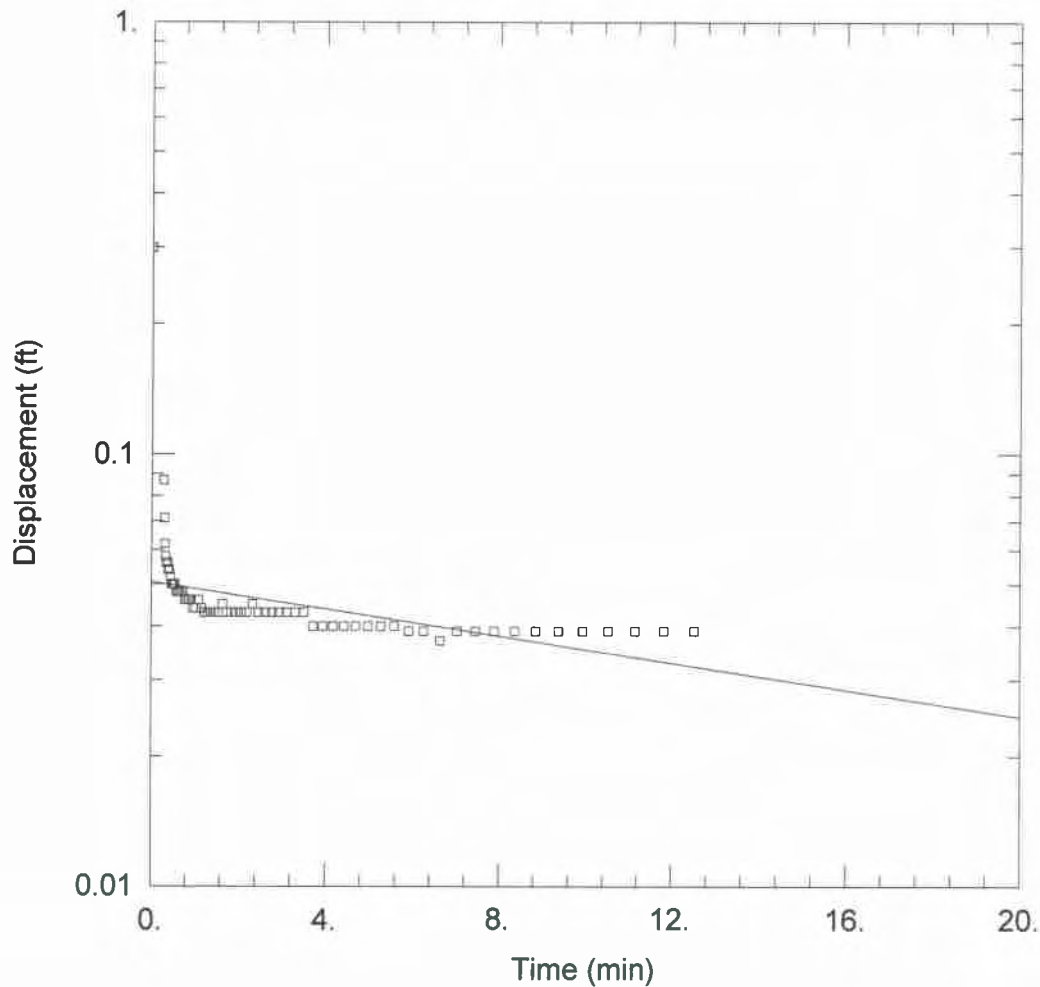
Aquifer Model: Unconfined Solution Method: Bouwer-Rice
 $K = 2.152 \text{ gal/day/ft}^2$ $y_0 = 0.01649 \text{ ft}$

esm-13-2a.txt

Date	Time		Chan[1] ET (min)	Chan[2]	Fahrenheit	Feet H2O	ad. Disp
4/11/2006	7:34	0.1578	48.31	3.63	0		
4/11/2006	7:34	0.167	48.31	3.601	0.029		
4/11/2006	7:34	0.1768	48.31	3.488	0.142		
4/11/2006	7:34	0.1875	48.31	3.568	0.062		
4/11/2006	7:34	0.1985	48.31	3.591	0.039		
4/11/2006	7:34	0.21	48.29	3.602	0.028		
4/11/2006	7:34	0.2225	48.29	3.606	0.024		
4/11/2006	7:34	0.2358	48.29	3.608	0.022		
4/11/2006	7:34	0.2498	48.29	3.61	0.02		
4/11/2006	7:34	0.2647	48.29	3.612	0.018		
4/11/2006	7:34	0.2803	48.29	3.612	0.018		
4/11/2006	7:34	0.297	48.29	3.612	0.018		
4/11/2006	7:34	0.3145	48.29	3.612	0.018		
4/11/2006	7:34	0.3333	48.29	3.614	0.016		
4/11/2006	7:34	0.3532	48.29	3.614	0.016		
4/11/2006	7:34	0.374	48.29	3.614	0.016		
4/11/2006	7:34	0.3963	48.29	3.614	0.016		
4/11/2006	7:34	0.4198	48.29	3.614	0.016		
4/11/2006	7:34	0.4445	48.29	3.616	0.014		
4/11/2006	7:34	0.4695	48.29	3.614	0.016		
4/11/2006	7:34	0.4963	48.29	3.616	0.014		
4/11/2006	7:34	0.5247	48.29	3.614	0.016		
4/11/2006	7:34	0.5547	48.29	3.616	0.014		
4/11/2006	7:34	0.5862	48.29	3.614	0.016		
4/11/2006	7:34	0.6213	48.29	3.616	0.014		
4/11/2006	7:34	0.6578	48.29	3.616	0.014		
4/11/2006	7:34	0.6963	48.29	3.616	0.014		
4/11/2006	7:34	0.738	48.29	3.616	0.014		
4/11/2006	7:34	0.7813	48.29	3.616	0.014		
4/11/2006	7:34	0.8278	48.29	3.616	0.014		
4/11/2006	7:34	0.8762	48.29	3.616	0.014		
4/11/2006	7:34	0.9278	48.27	3.616	0.014		
4/11/2006	7:34	0.9828	48.27	3.616	0.014		
4/11/2006	7:34	1.0412	48.27	3.616	0.014		
4/11/2006	7:34	1.103	48.27	3.616	0.014		
4/11/2006	7:34	1.1678	48.27	3.616	0.014		
4/11/2006	7:34	1.238	48.27	3.616	0.014		
4/11/2006	7:34	1.3113	48.27	3.616	0.014		
4/11/2006	7:34	1.3895	48.27	3.616	0.014		
4/11/2006	7:34	1.4728	48.27	3.616	0.014		
4/11/2006	7:34	1.5613	48.27	3.616	0.014		
4/11/2006	7:34	1.6547	48.27	3.616	0.014		
4/11/2006	7:34	1.753	48.27	3.616	0.014		
4/11/2006	7:34	1.858	48.24	3.617	0.013		
4/11/2006	7:34	1.9678	48.24	3.617	0.013		
4/11/2006	7:34	2.0845	48.24	3.617	0.013		
4/11/2006	7:34	2.2097	48.24	3.615	0.015		
4/11/2006	7:34	2.3412	48.24	3.617	0.013		
4/11/2006	7:34	2.4812	48.22	3.617	0.013		
4/11/2006	7:34	2.6297	48.22	3.617	0.013		
4/11/2006	7:34	2.7863	48.22	3.617	0.013		
4/11/2006	7:34	2.953	48.22	3.617	0.013		
4/11/2006	7:34	3.1297	48.22	3.617	0.013		
4/11/2006	7:34	3.3162	48.22	3.617	0.013		
4/11/2006	7:34	3.5145	48.22	3.615	0.015		
4/11/2006	7:34	3.7245	48.22	3.617	0.013		
4/11/2006	7:34	3.9463	48.22	3.617	0.013		
4/11/2006	7:34	4.1812	48.22	3.617	0.013		
4/11/2006	7:34	4.4295	48.22	3.617	0.013		
4/11/2006	7:34	4.6928	48.22	3.617	0.013		

esm-13-2a.txt

4/11/2006	7:34	4.9728	48.22	3.617	0.013
4/11/2006	7:34	5.2697	48.22	3.617	0.013
4/11/2006	7:34	5.583	48.22	3.617	0.013
4/11/2006	7:34	5.9145	48.22	3.617	0.013
4/11/2006	7:34	6.2663	48.2	3.617	0.013
4/11/2006	7:34	6.6395	48.2	3.617	0.013
4/11/2006	7:34	7.0345	48.22	3.619	0.011
4/11/2006	7:34	7.453	48.2	3.617	0.013
4/11/2006	7:34	7.8962	48.22	3.617	0.013
4/11/2006	7:34	8.3663	48.2	3.617	0.013
4/11/2006	7:34	8.8645	48.2	3.617	0.013
4/11/2006	7:34	9.3913	48.2	3.617	0.013
4/11/2006	7:34	9.9497	48.2	3.617	0.013
4/11/2006	7:34	10.5413	48.2	3.617	0.013
4/11/2006	7:34	11.168	48.2	3.617	0.013
4/11/2006	7:34	11.8312	48.2	3.617	0.013
4/11/2006	7:34	12.5347	48.2	3.617	0.013



WELL TEST ANALYSIS

Data Set: C:\Win-Situ\data\2006-056 Lewis Chemical\esm-13-3.aqt

Date: 01/25/07

Time: 12:32:04

PROJECT INFORMATION

Company: es+m

Client: DND

Project: 2004-301

Test Location: Lewis Chemical

Test Well: esm-13-2

Test Date: 4/11/06

AQUIFER DATA

Saturated Thickness: 29. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (esm-13)

Initial Displacement: 0.299 ft

Water Column Height: 4. ft

Casing Radius: 0.167 ft

Wellbore Radius: 0.354 ft

Screen Length: 10. ft

Gravel Pack Porosity: 0.385

SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

$K = 2.122$ gal/day/ft²

$y_0 = 0.05061$ ft

In-Situ Inc. MiniTroll Pro

Report generated: 4/17/2006 12:14:34

Date	Time		Chan[1] ET (min)	Chan[2]	Fahrenheit	Feet H2O
4/11/2006	7:56	0.2358	48.29	3.658	0	
4/11/2006	7:56	0.2498	48.29	3.359	0.299	
4/11/2006	7:56	0.2647	48.29	3.517	0.141	
4/11/2006	7:57	0.2803	48.29	3.571	0.087	
4/11/2006	7:57	0.297	48.29	3.587	0.071	
4/11/2006	7:57	0.3145	48.29	3.596	0.062	
4/11/2006	7:57	0.3333	48.29	3.6	0.058	
4/11/2006	7:57	0.3532	48.27	3.602	0.056	
4/11/2006	7:57	0.374	48.29	3.602	0.056	
4/11/2006	7:57	0.3963	48.29	3.604	0.054	
4/11/2006	7:57	0.4198	48.29	3.604	0.054	
4/11/2006	7:57	0.4445	48.27	3.606	0.052	
4/11/2006	7:57	0.4695	48.29	3.608	0.05	
4/11/2006	7:57	0.4963	48.27	3.608	0.05	
4/11/2006	7:57	0.5247	48.27	3.608	0.05	
4/11/2006	7:57	0.5547	48.27	3.608	0.05	
4/11/2006	7:57	0.5862	48.29	3.61	0.048	
4/11/2006	7:57	0.6213	48.27	3.61	0.048	
4/11/2006	7:57	0.6578	48.29	3.61	0.048	
4/11/2006	7:57	0.6963	48.27	3.61	0.048	
4/11/2006	7:57	0.738	48.27	3.61	0.048	
4/11/2006	7:57	0.7813	48.27	3.612	0.046	
4/11/2006	7:57	0.8278	48.27	3.612	0.046	
4/11/2006	7:57	0.8762	48.27	3.612	0.046	
4/11/2006	7:57	0.9278	48.27	3.612	0.046	
4/11/2006	7:57	0.9828	48.27	3.614	0.044	
4/11/2006	7:57	1.0412	48.27	3.614	0.044	
4/11/2006	7:57	1.103	48.27	3.612	0.046	
4/11/2006	7:57	1.1678	48.27	3.614	0.044	
4/11/2006	7:57	1.238	48.24	3.615	0.043	
4/11/2006	7:58	1.3113	48.24	3.615	0.043	
4/11/2006	7:58	1.3895	48.24	3.615	0.043	
4/11/2006	7:58	1.4728	48.24	3.615	0.043	
4/11/2006	7:58	1.5613	48.24	3.615	0.043	
4/11/2006	7:58	1.6547	48.22	3.613	0.045	
4/11/2006	7:58	1.753	48.22	3.615	0.043	
4/11/2006	7:58	1.858	48.22	3.615	0.043	
4/11/2006	7:58	1.9678	48.22	3.615	0.043	
4/11/2006	7:58	2.0845	48.2	3.615	0.043	
4/11/2006	7:58	2.2097	48.2	3.615	0.043	
4/11/2006	7:59	2.3412	48.2	3.613	0.045	
4/11/2006	7:59	2.4812	48.2	3.615	0.043	
4/11/2006	7:59	2.6297	48.17	3.615	0.043	
4/11/2006	7:59	2.7863	48.17	3.615	0.043	
4/11/2006	7:59	2.953	48.17	3.615	0.043	
4/11/2006	7:59	3.1297	48.17	3.615	0.043	
4/11/2006	8:00	3.3162	48.17	3.615	0.043	
4/11/2006	8:00	3.5145	48.17	3.615	0.043	
4/11/2006	8:00	3.7245	48.15	3.618	0.04	
4/11/2006	8:00	3.9463	48.15	3.618	0.04	
4/11/2006	8:00	4.1812	48.15	3.618	0.04	
4/11/2006	8:01	4.4295	48.13	3.618	0.04	
4/11/2006	8:01	4.6928	48.13	3.618	0.04	
4/11/2006	8:01	4.9728	48.11	3.618	0.04	
4/11/2006	8:01	5.2697	48.11	3.618	0.04	
4/11/2006	8:02	5.583	48.11	3.618	0.04	

esm-13-3b.txt

4/11/2006	8:02	5.9145	48.08	3.619	0.039
4/11/2006	8:02	6.2663	48.08	3.619	0.039
4/11/2006	8:03	6.6395	48.08	3.621	0.037
4/11/2006	8:03	7.0345	48.06	3.619	0.039
4/11/2006	8:04	7.453	48.04	3.619	0.039
4/11/2006	8:04	7.8962	48.04	3.619	0.039
4/11/2006	8:05	8.3663	48.04	3.619	0.039
4/11/2006	8:05	8.8645	48.04	3.619	0.039
4/11/2006	8:06	9.3913	48.01	3.619	0.039
4/11/2006	8:06	9.9497	48.01	3.619	0.039
4/11/2006	8:07	10.5413	48.01	3.619	0.039
4/11/2006	8:07	11.168	48.01	3.619	0.039
4/11/2006	8:08	11.8312	48.01	3.619	0.039
4/11/2006	8:09	12.5347	48.01	3.619	0.039