

1R - 487

REPORTS

DATE:

5-11-10



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ARCADIS
1004 North Big Spring Street
Suite 300
Midland
Texas 79701
Tel 432.687.5400
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Mr. Edward Hansen
New Mexico Energy, Minerals, & Natural Resources Dept.
Oil Conservation Division, Environmental Bureau
1220 S. St. Francis Drive
Santa Fe, New Mexico 87504

ENVIRONMENTAL

RE: Request to Replace Groundwater Monitoring Well MW-3
N-6 Pipeline Leak, West County Road Site, Hobbs SWD System
Unit N SEC. 5 & 6, T19S, R38E, Lea County, New Mexico
NMOCD Case# 1R487

Date:
May 11, 2010

Mr. Hansen:

Contact:
Sharon E. Hall

On behalf of Rice Operating Company (ROC), ARCADIS respectfully submits this response to your request regarding ROC's request to replace monitoring well MW-3 and install a new monitoring well MW-3R to be completed in the upper Ogallala Formation. Your request and our response follow. NMOCD requested:

Phone:
432 687-5400

Email:
shall@arcadis-us.com

1. Any groundwater chemistry data for the site older than 2002

Our ref:
MT000821.0001

Groundwater monitoring well summary tables that include the historical groundwater chemistry data for the site are attached. Chloride concentrations in MW-3 have varied, but have overall decreased since the highest concentration (11,094 milligrams per liter) was detected in the groundwater sample collected on December 15, 2000.

2. Any groundwater chemistry data of the nearby wells at a deeper depth (i.e., similar depth as MW-3)

Available records including the Office of State Engineer of New Mexico and the United States Geological Survey were accessed and queried. No wells were identified within one mile of the site. An aerial photograph showing a one-mile radius of the site is attached.

ROC understands that at a minimum, MW-3 must be sampled for at least 4 additional quarters in order to demonstrate 8 quarters of below standards for BTEX. ROC may choose to further delay replacement of MW-3.

Imagine the result

ARCADIS

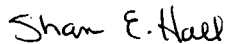
Mr. Edward Hansen
May 11, 2010

ROC was the service provider (agent) for the Hobbs SWD System and has no ownership of any portion of the pipeline, well or facility. The Hobbs SWD System was owned by a consortium of oil producers, System Parties, who provide operating capital on a percentage ownership/usage basis. The Hobbs SWD System has been abandoned.

Thank you for your consideration concerning this request. Should you have any questions regarding this request, please do not hesitate to contact Hack Conder (575 393-9174) or me.

Very truly yours,

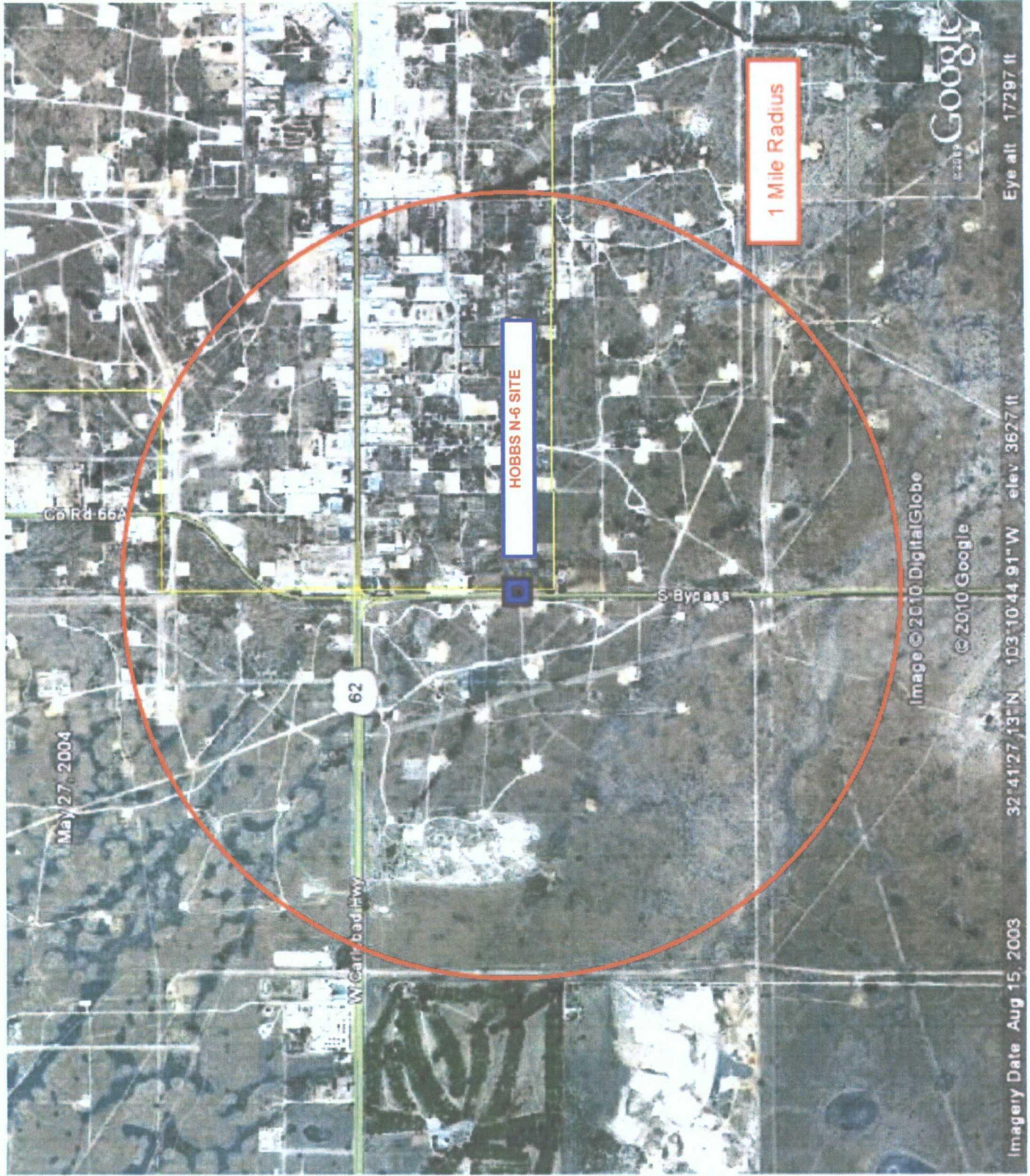
ARCADIS



Sharon E. Hall
Associate Vice President

attachments: One Mile Radius Water Well Inventory
Groundwater Monitoring Results Tables

cc: Hack Conder - ROC



May 27, 2004

W Garfield Hwy

62

Co Rd 66A

HOBBS N-6 SITE

S Bypass

1 Mile Radius

Image © 2010 DigitalGlobe

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Imagery Date Aug 15, 2003

32°41'27.13"N 103°10'44.91"W elev 3627 ft

Eye alt 17297 ft

Google

ROC Hobbs N-6

MW	Depth to Water feet	Total Depth feet	Well Volume gallons	Volume Purged gallons	Sample Date	CI	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	Sulfate
MW-2					07/21/95	132.00	N/A	0.0470	0.0120	0.0330	<0.0010	0.0920	
MW-2					06/19/96	96.00	649.00	<0.0010	<0.0010	<0.0010	<0.0030	<0.0030	
MW-2					08/12/96	N/A	N/A	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	
MW-2					11/25/96	44.00	443.00	0.0019	0.0012	0.0018	<0.0030	0.0049	
MW-2					04/03/97	50.00	497.00	<0.0010	<0.0010	<0.0010	<0.0030	<0.0030	
MW-2					07/02/97	44.00	399.00	0.0060	0.0070	0.0030	0.0110	0.0270	
MW-2					12/06/97	40.00	414.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-2 (SPL)					12/06/97	N/A	N/A	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	
MW-2 (SPL)					02/18/98	36.00	455.00	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	
MW-2					08/16/98	45.00	457.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-2					12/12/98	47.00	422.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-2					04/06/99	40.00	464.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-2					06/28/99	44.00	426.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-2					09/17/99	45.00	528.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-2					12/14/99	41.00	596.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-2					3/13/00	38.00	574.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-2					6/15/00	79.00	614.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-2					9/18/00	171.00	624.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-2					12/15/00	120.00	557.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-2					03/30/2001	68.00	480.00	0.0070	<0.0020	<0.0020	<0.0060	na	
MW-2					06/28/2001	77.00	592.00	<0.0020	<0.0020	<0.0020	<0.0060	na	
MW-2					09/21/2001	60.00	513.00	<0.0020	<0.0020	<0.0020	<0.0060	na	
MW-2					12/31/2001	72.00	511.00	<0.0020	<0.0020	<0.0020	<0.0060	na	
MW-2	40.2	52.18	7.78	23.36	8/14/2002	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
MW-2	40.34	52.11	7.65	22.75	12/6/2002	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
MW-2	40.61	52.2	7.53	22.6	3/14/2003	53.2	XXX	0.003	0.001	0.006	0.004		109
MW-2	40.29	52.13	7.69	23.08	6/27/2003	40.8	499	<0.001	<0.001	<0.001	<0.001		112
MW-2	40.26	52.14	7.75	23.27	9/22/2003	31.9	504	<0.001	<0.001	<0.001	<0.001		88.8

MW	Depth to Water feet	Total Depth feet	Well Volume gallons	Volume Purged gallons	Sample Date	CI	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	Sulfate
MW-2	40.39	52.13	7.66	22.99	12/18/2003	44	458	<0.002	<0.002	<0.002	<0.006		37.7
MW-2	41.53	52.13	6.92	20.76	3/15/2004	39	484	0.00458	<0.001	0.00236	0.00193		108
MW-2	40.3	52.12	7.71	23.15	5/27/2004	31.9	481	0.000448	<0.001	0.000482	<0.001		89.4
MW-2	41.69	52.24	6.86	20.57	9/8/2004	70.9	577	0.0289	0.00219	0.0126	0.00837		91.4
MW-2	39.4	52.24	8.35	25.04	11/22/2004	58.1	XXX	0.0238	0.00269	0.0239	0.01051		90.2
MW-2	38.73	52.24	XXX	32	3/29/2005	39.1	444	0.00169	<0.001	0.00151	0.00101		93.6
MW-2	39.12	55	XXX	31.4	6/28/2005	42.4	515	<0.001	<0.001	<0.001	<0.001		100
MW-2	39.21	55	XXX	31	9/6/2005	49.5	517	<0.001	<0.001	<0.001	<0.001		69.5
MW-2	39.3	52.24	8.4	30	12/6/2005	58	380	0.00325	<0.001	<0.001	<0.001		107
MW-2	39.56	52.24	8.2	25	2/28/2006	29.5	538	<0.001	<0.001	<0.001	<0.001		56.3
MW-2	39.97	52.24	8	25	6/5/2006	38.5	552	<0.001	<0.001	<0.001	<0.001		76.6
MW-2	39.44	52.24	8.3	25	9/11/2006	31.1	428	<0.001	<0.001	<0.001	<0.001		92
MW-2	39.47	52.24	8.3	30	11/14/2006	33.6	442	j[0.000709]	<0.001	j[0.00609]	<0.001		91.7
MW-2	39.89	52.24	8	30	3/13/2007	34.5	422	0.00134	<0.001	<0.001	<0.001		81.5
MW-2	40.26	52.24	7.8	30	6/12/2007	33.3	444	j (0.000649)	0.0016	j (0.000792)	ND		77.6
MW-2	40.22	52.24	7.8	25	9/18/2007	36	512	0.056	0.012	0.054	0.037		100
MW-2	40.35	52.24	7.7	25	12/6/2007	40	454	<0.001	<0.001	<0.001	<0.003		92.7
MW-2	40.71	52.24	7.5	25	3/3/2008	36	442	<0.001	<0.001	<0.001	<0.003		98.4
MW-2	40.29	52.24	7.8	25	5/28/2008	32	523	<0.001	<0.001	<0.001	<0.003		83.2
MW-2	40.56	52.24	7.6	25	9/8/2008	52	455	<0.001	<0.001	<0.001	<0.003		131
MW-2	41.43	52.24	7	25	12/15/2008	40	493	0.001	<0.001	0.002	<0.003		98
MW-2	41.61	52.55	7.1	25	3/16/2009	40	492	0.005	<0.001	0.004	<0.003		91.9
MW-2	41.78	52.55	7	25	6/9/2009	36	516	0.003	0.001	<0.001	<0.003		81.5
MW-2	41.87	52.55	6.9	25	9/14/2009	40	500	0.001	0.004	0.007	0.023		85
MW-2	41.96	52.55	6.9	25	11/19/2009	40	425	<0.001	<0.001	<0.001	<0.003		75.8
MW-2	42.08	52.55	6.8	25	3/17/2010	48	669	<0.001	<0.001	<0.001	<0.003		157

All concentrations in milligrams per liter

ROC Hobbs N-6

MW	Depth to Water feet	Total Depth feet	Well Volume gallons	Volume Purged gallons	Sample Date	CI	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	Sulfate
MW-3 - S					07/21/95	256.00	N/A	0.0020	<0.0010	<0.0010	<0.0030	0.0020	
MW-3					07/21/95	N/A	N/A	0.0440	0.0610	0.0480	0.0420	0.1950	
MW-3					06/19/96	160.00	2,684	0.1320	<0.0010	<0.0010	<0.0010	0.1320	
MW-3					11/25/96	6,850	13,890	1.1700	0.0011	0.0047	0.0150	1.1908	
MW-3					04/03/97	3249.00	7764.00	0.2920	<0.0010	0.0010	0.0050	0.2980	
MW-3					07/02/97	1290.00	3065.00	0.0020	<0.0010	<0.0010	<0.0030	0.0020	
MW-3					12/06/97	1450.00	4610.00	0.0120	<0.0020	<0.0020	<0.0060	0.0120	
MW-3 (SPL)					12/06/97	N/A	N/A	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	
MW-3 (SPL)					02/18/98	1,700	2,967	0.0016	<0.0010	<0.0010	<0.0010	0.0016	
MW-3					08/16/98	1,672	3,980	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-3					12/12/98	614	1,498	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-3					04/07/99	11,770	20,470	0.9530	0.0020	0.0040	<0.0060	N/A	
MW-3					06/28/99	8,567	15,660	0.6730	<0.0020	0.0020	<0.0060	N/A	
MW-3					09/17/99	8,922	17,730	0.7150	<0.0020	<0.0020	<0.0060	N/A	
MW-3					12/14/99	9,093	18,120	0.7610	<0.0020	0.0030	<0.0060	N/A	
MW-3					3/13/00	9,680	19,000	0.7240	<0.0020	<0.0030	<0.0060	N/A	
MW-3					6/15/00	8,361	19,344	0.3920	<0.0020	<0.0020	<0.0060	N/A	
MW-3					9/18/00	5,439	10,510	0.3130	<0.0020	<0.0020	<0.0060	N/A	
MW-3					12/15/00	11,904	16,730	0.2150	<0.0020	<0.0020	<0.0060	N/A	
MW-3					03/30/2001	11,100	19,430	1.0300	<0.0020	<0.0020	<0.0060	N/A	
MW-3					06/28/2001	8,646	18,440	0.1110	<0.0020	<0.0020	<0.0060	N/A	
MW-3					09/21/2001	9,597	19,600	0.6930	<0.0020	<0.0020	<0.0060	N/A	
MW-3					12/31/2001	9,697	18,596	0.6830	<0.0020	<0.0020	<0.0060	N/A	
MW-3	40.57	156.05	7.65	225.18	8/14/2002	XXX	XXX	XXX	XXX	XXX	XXX		XXX
MW-3	40.76	156.02	74.92	224.76	12/6/2002	XXX	XXX	XXX	XXX	XXX	XXX		XXX
MW-3	10.95	156.02	74.79	224.38	3/14/2003	5850	XXX	0.06	0.001	0.001	0.003		888
MW-3	40.69	156.04	74.97	224.93	6/27/2003	5320	10700	0.013	<0.001	<0.001	0.001		1120
MW-3	40.68	156.06	75.34	226.02	9/22/2003	5320	10900	0.008	<0.001	<0.001	0.001		1050
MW-3	40.82	156.03	75.23	225.69	12/18/2003	5398	10512	0.018	<0.002	<0.002	<0.006		399

MW	Depth to Water feet	Total Depth feet	Well Volume gallons	Volume Purged gallons	Sample Date	CI	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	Sulfate
MW-3	41.82	156.03	74.57	223.73	3/15/2004	5140	8990	0.0354	<0.001	0.000821	0.00165		793
MW-3	40.83	156.05	75.23	225.71	5/27/2004	5230	8060	0.0131	0.000238	0.000248	0.00098		664
MW-3	41.93	156.15	74.27	222.73	9/8/2004	5140	8600	0.0152	<0.001	0.00184	0.00357		762
MW-3	39.64	156.15	75.73	227.19	11/23/2004	3890	XXX	0.0281	0.000202	0.000775	0.00449		683
MW-3	38.73	156.15	XXX	235	3/29/2005	7300	14700	0.0805	<0.001	0.00291	0.00422		1030
MW-3	39.35	156.15	XXX	39.35	6/28/2005	7280	8930	0.00619	<0.001	<0.001	<0.001		2760
MW-3	39.43	155.78	XXX	40	9/6/2005	4660	7070	0.00566	<0.001	0.00219	0.00455		874
MW-3	39.52	156.15	75.8	230	12/6/2005	7130	12100	0.0529	0.000572	0.00312	<0.001		848
MW-3	39.82	156.15	75.6	230	2/28/2006	7270	15300	0.0315	0.00264	0.00535	<0.001		829
MW-3	40.19	156.15	75.4	230	6/5/2006	7660	13600	0.0171	j[0.000488]	0.00258	<0.001		914
MW-3	39.8	156.15	75.6	225	9/12/2006	7390	13100	0.0107	j[0.000587]	<0.001	<0.001		939
MW-3	39.67	156.15	75.7	230	11/14/2006	6810	12600	0.00697	j[0.000417]	j[0.000413]	<0.001		901
MW-3	42.15	156.68	9.4	30	3/14/2007	7810	13500	0.00177	j[0.000597]	j[0.000405]	<0.001		916
MW-3	40.48	156.15	75.2	230	6/11/2007	9390	16100	0.0139	0.00168	0.00485	0.01006		1100
MW-3	40.43	156.15	75.2	230	9/18/2007	7298	14814	0.028	0.001	<0.001	0.009		1010
MW-3	40.5	156.15	75.2	320	12/5/2007	2700	5870	0.052	0.001	0.001	0.003		680
MW-3	40.76	156.15	75	250	3/4/2008	7600	14100	0.014	<0.001	<0.001	<0.003		1110
MW-3	40.97	156.15	75	250	5/29/2008	4100	8170	0.007	0.004	0.003	<0.003		592
MW-3	41.26	156.15	75	250	9/5/2008	7600	15200	0.011	<0.001	<0.001	<0.003		978
MW-3	41.42	156.15	75	250	12/15/2008	4250	8710	0.006	<0.001	<0.001	<0.003		600
MW-3	41.6	156.15	74	250	3/16/2009	3750	7570	0.004	<0.001	<0.001	<0.003		527
MW-3	41.79	156.15	74	250	6/9/2009	3750	7600	0.001	<0.001	<0.001	<0.003		522
MW-3	41.91	156.15	74	250	9/15/2009	3700	7480	0.002	<0.001	<0.001	<0.003		492
MW-3	42.05	156.15	74	250	11/20/2009	3250	6560	<0.001	<0.001	<0.001	<0.003		434
MW-3	42.17	156.15	74	250	3/18/2010	7700	14100	0.006	<0.001	<0.001	<0.003		1030

All concentrations in milligrams per liter

ROC Hobbs N-6 Leak

MW	Depth to Water feet	Total Depth feet	Well Volume gallons	Volume Purged gallons	Sample Date	CI	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	Sulfate
MW-4					08/10/95	332.00	N/A	<0.0010	<0.0010	<0.0010	0.0670	0.0670	
MW-4					06/19/96	312.00	1,114	<0.0010	<0.0010	<0.0010	<0.0030	<0.0030	
MW-4					11/25/96	240.00	953.00	0.0029	0.0011	0.0019	<0.0030	0.0059	
MW-4					04/03/97	196.00	877.00	<0.0010	<0.0010	<0.0010	<0.0030	<0.0030	
MW-4					07/02/97	206.00	788.00	<0.0010	<0.0010	<0.0010	<0.0030	<0.0030	
MW-4					12/06/97	264.00	974.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-4					08/16/98	294	1,152	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-4					12/12/98	344	910	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-4					04/07/99	297	1,088	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-4					06/28/99	279	1,080	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-4					09/17/99	300	1,187	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-4					12/14/99	372	1,260	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-4					3/13/00	376	1,400	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-4					6/15/00	387	1,707	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-4					9/18/00	311	1,149	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-4					12/15/00	277	889	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-4					03/30/2001	192	792	0.0040	<0.0020	<0.0020	<0.0060	N/A	
MW-4					06/28/2001	215	892	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-4					09/21/2001	184	787	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-4					12/31/2001	176	742	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-4	42.42	56.65	9.24	27.74	8/14/2002	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
MW-4	42.6	56.66	9.14	27.42	12/6/2002	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
MW-4	42.84	56.63	8.96	26.89	3/14/2003	84.2	XXX	<0.001	<0.001	<0.001	<0.001	123	123
MW-4	42.58	56.65	9.14	27.43	6/27/2003	62	520	<0.001	<0.001	<0.001	0.002	138	138
MW-4	42.66	56.7	9.16	27.5	9/22/2003	65	569	<0.001	<0.001	<0.001	<0.001	123	123
MW-4	42.69	56.67	9.12	27.38	12/18/2003	64	547	<0.002	<0.002	<0.002	<0.006	44.8	44.8
MW-4	43.77	56.67	8.42	25.27	3/15/2004	124	560	0.00103	<0.001	<0.001	<0.001	127	127
MW-4	42.65	56.65	9.14	27.42	5/27/2004	49.6	484	<0.001	<0.001	<0.001	<0.001	107	107
MW-4	43.92	56.71	8.31	24.94	9/8/2004	49.6	492	0.00142	<0.001	<0.001	<0.001	114	114
MW-4	41.26	56.71	10.04	30.13	11/23/2004	55.2	XXX	<0.001	<0.001	<0.001	<0.001	99.2	99.2
MW-4	40.85	56.71	XXX	32	3/29/2005	47	424	<0.001	<0.001	<0.001	<0.001	101	101
MW-4	41.32	61.65	XXX	40	6/28/2005	44.8	519	<0.001	<0.001	<0.001	<0.001	102	102
MW-4	41.42	61.65	XXX	40	9/6/2005	69.7	523	<0.001	<0.001	<0.001	<0.001	92.5	92.5
MW-4	41.58	56.71	9.8	30	12/6/2005	40.4	370	<0.001	<0.001	<0.001	<0.001	82.2	82.2
MW-4	41.84	56.71	9.7	30	2/28/2006	39.7	556	<0.001	<0.001	<0.001	<0.001	71.7	71.7
MW-4	42.27	56.71	9.4	30	6/5/2006	59.2	476	<0.001	<0.001	<0.001	<0.001	76.2	76.2

MW	Depth to Water feet	Total Depth feet	Well Volume gallons	Volume Purged gallons	Sample Date	CI	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	Sulfate
MW-4	41.66	56.71	9.8	30	9/11/2006	65.7	588	<0.001	<0.001	<0.001	<0.001		87
MW-4	41.63	56.71	9.8	30	11/14/2006	93.4	498	<0.001	<0.001	<0.001	<0.001		90.8
MW-4	42.15	56.68	9.4	30	3/13/2007	95.3	528	<0.001	<0.001	<0.001	<0.001		82.7
MW-4	42.59	56.68	9.2	30	6/11/2007	69.9	516	<0.001	<0.001	<0.001	<0.001		77.6
MW-4	42.53	56.68	9.2	30	9/18/2007	84	604	<0.001	<0.001	<0.001	<0.003		93.2
MW-4	42.65	56.68	9.1	30	12/6/2007	120	588	<0.001	<0.001	<0.001	<0.003		99.7
MW-4	42.98	56.68	8.9	30	3/3/2008	128	609	<0.001	<0.001	<0.001	<0.003		115
MW-4	43.19	56.68	8.8	30	5/28/2008	84	639	<0.001	<0.001	<0.001	<0.003		98.7
MW-4	43.47	56.68	8.6	30	9/8/2008	192	768	<0.001	<0.001	<0.001	<0.003		130
MW-4	43.67	56.68	8.5	30	12/15/2008	152	683	<0.001	<0.001	<0.001	<0.003		90.6
MW-4	43.84	56.72	8.4	30	3/17/2009	152	614	<0.001	<0.001	<0.001	<0.003		89.8
MW-4	44.21	56.72	8.1	30	6/10/2009	128	646	<0.001	<0.001	<0.001	<0.003		71.1
MW-4	44.33	56.72	8.1	30	9/14/2009	136	594	<0.001	<0.001	<0.001	<0.003		72.9
MW-4	44.28	56.72	8.1	30	11/19/2009	132	614	<0.001	<0.001	<0.001	<0.003		68.1
MW-4	44.43	56.71	8.0	30	3/17/2010	44	637	<0.001	<0.001	<0.001	<0.003		148

All concentrations in milligrams per liter

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MW	Depth to Water feet	Total Depth feet	Well Volume gallons	Volume Purged gallons	Sample Date	CI	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	Sulfate
MW-5					07/24/95	106.00	1,481	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	
MW-5					06/19/96	44.00	506.00	<0.0010	<0.0010	<0.0010	<0.0030	<0.0030	
MW-5					11/25/96	70.00	506.00	0.0012	0.0012	0.0016	<0.0030	0.0040	
MW-5					04/03/97	50.00	509.00	<0.0010	<0.0010	<0.0010	<0.0030	<0.0030	
MW-5					07/02/97	50.00	458.00	<0.0010	<0.0010	<0.0010	<0.0030	<0.0030	
MW-5					12/06/97	52.00	506.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-5 (SPL)					12/06/97	N/A	N/A	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	
MW-5 (SPL)					02/18/98	44.00	426.00	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	
MW-5					08/16/98	42.00	505.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-5					12/12/98	47.00	421.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-5					04/07/99	40.00	491.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-5					06/28/99	44.00	449.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-5					09/17/99	49.00	484.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-5					12/14/99	45.00	596.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-5					3/13/00	49.00	474.00	<0.0030	<0.0020	<0.0020	<0.0060	N/A	
MW-5					6/15/00	53.00	559.00	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-5					9/18/00	54.00	527.00	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-5					12/15/00	54.00	456.00	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-5					03/30/2001	52.00	515.00	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-5					06/28/2001	54.00	514.00	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-5					09/21/2001	52.00	510.00	0.0040	<0.0020	<0.0020	<0.0060	N/A	
MW-5					12/31/2001	52.00	478.00	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-5	38.66	51.29	8.2	24.62	8/14/2002	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
MW-5	38.82	51.18	8.01	24.04	12/6/2002	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
MW-5	39.04	51.18	7.89	23.67	3/14/2003	39	XXX	<0.001	<0.001	<0.001	<0.001	105	
MW-5	38.81	51.21	8.06	24.18	6/27/2003	35.4	513	<0.001	<0.001	<0.001	0.002	120	
MW-5	51.2	38.77	8.11	24.35	9/22/2003	33.7	508	<0.001	<0.001	<0.001	<0.001	88.2	
MW-5	38.91	51.19	8.01	24.05	12/18/2003	56	474	<0.002	<0.002	<0.002	<0.006	39.4	
MW-5	40	51.19	7.3	21.92	3/15/2004	762	1620	0.0107	<0.001	0.00054	0.00088	216	
MW-5	38.9	51.19	8.02	24.07	5/27/2004	33.7	473	<0.001	<0.001	<0.001	<0.001	94	
MW-5	40.18	51.31	7.23	21.7	9/8/2004	35.4	517	<0.001	<0.001	<0.001	<0.001	79.4	
MW-5	38.12	51.31	8.57	25.72	11/23/2004	57.3	XXX	<0.001	<0.001	<0.001	<0.001	85.4	
MW-5	37.3	51.31	XXX	32	3/29/2005	35	449	<0.001	<0.001	<0.001	<0.001	83.1	
MW-5	XXX	XXX	XXX	XXX	6/28/2005	38.1	504	<0.001	<0.001	<0.001	<0.001	95.8	
MW-5	37.74	51.07	XXX	26.11	9/6/2005	66.8	488	<0.001	<0.001	<0.001	<0.001	103	
MW-5	37.8	51.31	8.8	30	12/6/2005	29.6	442	0.00044	<0.001	<0.001	<0.001	67	

MW	Depth to Water feet	Total Depth feet	Well Volume gallons	Volume Purged gallons	Sample Date	CI	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	Sulfate
MW-5	38.11	51.31	8.6	30	2/28/2006	27.9	504	<0.001	<0.001	<0.001	<0.001		62.8
MW-5	38.48	51.31	8.3	30	6/5/2006	37.8	484	<0.001	<0.001	<0.001	<0.001		69
MW-5	38.08	51.31	8.6	30	9/11/2006	39	596	<0.001	<0.001	<0.001	<0.001		81.2
MW-5	37.94	51.31	8.7	30	11/14/2006	30.2	430	<0.001	<0.001	<0.001	<0.001		85
MW-5	38.33	51.30	8.4	30	3/13/2007	36.2	420	<0.001	<0.001	<0.001	<0.001		78
MW-5	38.82	51.30	8.1	30	6/11/2007	35.2	454	<0.001	<0.001	<0.001	<0.001		71.8
MW-5	38.78	51.30	8.1	30	9/18/2007	40	574	<0.001	<0.001	<0.001	<0.003		89.6
MW-5	38.85	51.30	8.1	30	12/6/2007	32	484	<0.001	<0.001	<0.001	<0.003		91.4
MW-5	39.15	51.30	7.9	30	3/4/2008	40	472	<0.001	<0.001	<0.001	<0.003		93.6
MW-5	39.41	51.30	7.7	30	5/28/2008	40	517	<0.001	<0.001	<0.001	<0.003		90
MW-5	39.66	51.30	7.6	30	9/8/2008	60	560	<0.001	<0.001	<0.001	<0.003		157
MW-5	39.86	51.30	7.4	30	12/15/2008	40	538	<0.001	<0.001	<0.001	<0.003		92.8
MW-5	39.98	51.30	7.4	30	3/16/2009	40	508	<0.001	<0.001	<0.001	<0.003		85
MW-5	40.34	51.30	7.1	30	6/10/2009	136	607	<0.001	<0.001	<0.001	<0.003		78.3
MW-5	40.32	51.30	7.1	30	9/14/2009	40	504	<0.001	<0.001	<0.001	<0.003		75.9
MW-5	40.43	51.30	7.1	30	11/19/2009	40	455	<0.001	<0.001	<0.001	<0.003		65
MW-5	40.58	51.29	7	30	3/17/2010	192	825	<0.001	<0.001	<0.001	<0.003		111

All concentrations in milligrams per liter

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MW	Depth to Water feet	Total Depth feet	Well Volume gallons	Volume Purged gallons	Sample Date	CI	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	Sulfate
MW-6					07/21/95	96.00	N/A	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	
MW-6					06/19/96	48.00	524.00	0.0230	<0.0010	<0.0010	<0.0030	0.0230	
MW-6					11/25/96	38.00	477.00	0.0160	0.0013	0.0023	0.0047	0.0243	
MW-6					04/03/97	80.00	404.00	<0.0010	<0.0010	<0.0010	<0.0030	<0.0030	
MW-6					07/02/97	38.00	419.00	<0.0010	<0.0010	<0.0010	<0.0030	<0.0030	
MW-6					12/06/97	28.00	445.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-6 (SPL)					12/06/97	N/A	N/A	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	
MW-6					08/16/98	20.00	225.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-6					12/12/98	20.00	363.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-6					04/06/99	20.00	436.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-6					06/28/99	28.00	378.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-6					09/17/99	24.00	428.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-6					12/13/99	24.00	576.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-6					3/13/00	45.00	438.00	<0.0020	<0.0030	<0.0020	<0.0060	N/A	
MW-6					6/15/00	34.00	500.00	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-6					9/18/00	35.00	443.00	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-6					12/15/00	46.00	381.00	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-6					03/30/2001	48.00	456.00	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-6					06/28/2001	54.00	491.00	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-6					09/21/2001	44.00	444.00	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-6					12/31/2001	48.00	492.00	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
6	40.7	52.98	1.96	5.89	8/14/2002	XXX	XXX	XXX	XXX	XXX	XXX		XXX
6	40.87	53.02	1.94	5.83	12/6/2002	XXX	XXX	XXX	XXX	XXX	XXX		XXX
6	41.1	53	1.9	5.71	3/14/2003	42.5	XXX	<0.001	<0.001	<0.001	<0.001		96.6
6	40.81	53.03	1.95	5.86	6/27/2003	35.4	743	<0.001	<0.001	<0.001	<0.001		97.5
6	40.79	52.97	1.98	5.95	9/22/2003	39	484	<0.001	<0.001	<0.001	<0.001		88.4
6	40.93	53	1.96	5.9	12/18/2003	44	452	<0.002	<0.002	<0.002	<0.006		36.8
6	42.02	53	1.78	5.36	3/15/2004	222	692	0.0026	<0.001	<0.001	<0.001		94.2
6	40.91	53.01	1.97	5.91	5/27/2004	31.9	443	<0.001	<0.001	<0.001	<0.001		86.6
6	42.16	53.1	1.75	5.25	9/8/2004	53.2	488	<0.001	<0.001	<0.001	<0.001		85
6	39.62	53.1	2.16	6.47	11/23/2004	76.1	XXX	<0.001	<0.001	<0.001	<0.001		84
6	39.14	53.1	XXX	8	3/29/2005	97.8	473	<0.001	<0.001	<0.001	<0.001		81.1
6	39.6	54.49	XXX	7.6	6/28/2005	122	541	<0.001	<0.001	0.00081	0.00285		103
6	39.61	61.65	XXX	10.78	9/6/2005	40.4	442	<0.001	<0.001	<0.001	<0.001		23.4
6	39.75	53.1	2.1	7	12/6/2005	52.7	458	<0.001	<0.001	<0.001	<0.001		58.2

MW	Depth to Water feet	Total Depth feet	Well Volume gallons	Volume Purged gallons	Sample Date	CI	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	Sulfate
6	40.06	53.1	2.1	7	2/28/2006	59.2	552	<0.001	<0.001	<0.001	<0.001		67.6
6	40.53	53.1	2	10	6/5/2006	67.2	512	<0.001	<0.001	<0.001	<0.001		72.2
6	40.05	53.1	2.1	10	9/11/2006	67.6	552	<0.001	<0.001	<0.001	<0.001		101
6	39.88	53.1	2.1	8	11/14/2006	53.9	464	<0.001	<0.001	<0.001	<0.001		95.4
6	40.34	53.1	2	8	3/13/2007	57.7	466	<0.001	<0.001	<0.001	<0.001		90.3
6	40.78	53.1	2	8	6/11/2007	61.8	528	<0.001	<0.001	<0.001	<0.001		85.4
6	40.64	53.1	2	8	9/18/2007	72	566	<0.001	<0.001	<0.001	<0.002		105
6	40.85	53.10	2	8	12/6/2007	76	525	<0.001	<0.001	<0.001	<0.003		111
6	41.22	53.10	1.9	8	3/3/2008	76	536	<0.001	<0.001	<0.001	<0.003		110
6	41.47	53.10	1.9	8	5/28/2008	72	559	<0.001	<0.001	<0.001	<0.003		87.3
6	41.73	53.10	1.8	8	9/8/2008	124	668	<0.001	<0.001	<0.001	<0.003		128
6	41.91	53.10	1.8	8	12/15/2008	84	568	<0.001	<0.001	<0.001	<0.003		105
6	42.06	53.10	1.8	8	3/16/2009	76	550	<0.001	<0.001	<0.001	<0.003		98
6	42.26	53.10	1.7	8	6/9/2009	84	566	<0.001	<0.001	<0.001	<0.003		94.1
6	42.36	53.10	1.7	8	9/14/2009	72	546	<0.001	<0.001	<0.001	<0.003		81.5
6	42.49	53.10	1.7	8	11/19/2009	76	535	<0.001	<0.001	<0.001	<0.003		178
6	42.65	53.10	1.7	8	3/17/2010	48	693	<0.001	<0.001	<0.001	<0.003		160

All concentrations in milligrams per liter

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MW	Depth to Water feet	Total Depth feet	Well Volume gallons	Volume Purged gallons	Sample Date	CI	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	Sulfate
MW-7					07/24/95	382.00	3,218	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	
MW-7					06/19/96	359	1,127	<0.0010	<0.0010	<0.0010	<0.0030	<0.0030	
MW-7					11/25/96	334	1,090	0.0011	<0.0010	<0.0010	<0.0030	<0.0030	
MW-7					04/03/97	344.00	1166.00	<0.0010	<0.0010	<0.0010	<0.0030	<0.0030	
MW-7					07/02/97	264	1092	<0.0010	<0.0010	<0.0010	<0.0030	<0.0030	
MW-7					12/06/97	188	806	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-7 (SPL)					12/06/97	N/A	N/A	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	
MW-7					08/16/98	212.00	802.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-7					12/12/98	262.00	853.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-7					04/06/99	245.00	1000.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-7					06/28/99	255.00	938.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-7					09/17/99	255.00	1685.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-7					12/13/99	258.00	996.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
MW-7					3/13/00	258.00	1022.00	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-7					6/15/00	271.00	1130.00	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-7					9/18/00	260.00	978.00	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-7					12/15/00	224.00	826.00	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-7					03/30/2001	188.00	801.00	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-7					06/28/2001	192.00	835.00	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-7					09/21/2001	196.00	758.00	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-7					12/31/2001	196.00	749.00	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
MW-7	40.74	47.2	1.03	3.1	8/14/2002	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
MW-7	40.94	47.17	0.99	2.98	12/6/2002	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
MW-7	41.22	47.18	0.95	2.86	3/14/2003	266	XXX	0.001	<0.001	<0.001	<0.001	<0.001	XXX
MW-7	40.88	47.15	1	3	6/27/2003	222	802	<0.001	<0.001	<0.001	<0.001	<0.001	122
MW-7	40.86	47.11	1.01	3.05	9/22/2003	222	861	<0.001	<0.001	<0.001	<0.001	<0.001	133
MW-7	41.03	47.18	1	3	12/18/2003	208	827	<0.002	<0.002	<0.002	<0.006	<0.006	110
MW-7	42.17	47.18	0.81	2.44	3/15/2004	1080	2220	0.0131	<0.001	<0.001	<0.001	<0.001	44.4
MW-7	41	47.15	1	3	5/27/2004	213	986	<0.001	<0.001	<0.001	<0.001	<0.001	220
MW-7	42.34	47.25	0.79	2.36	9/8/2004	230	731	<0.001	<0.001	<0.001	<0.001	<0.001	105
MW-7	39.82	47.25	1.19	178.98	11/23/2004	188	XXX	<0.001	<0.001	<0.001	<0.001	<0.001	111
MW-7	39.33	47.25	XXX	4	3/29/2005	234	791	<0.001	<0.001	<0.001	<0.001	<0.001	96.1
MW-7	39.6	47	XXX	3.7	6/28/2005	216	783	<0.001	<0.001	0.00114	0.0038		96.9
MW-7	39.86	47	XXX	3.5	9/6/2005	187	802	<0.001	<0.001	<0.001	<0.001	<0.001	76.9
MW-7	39.93	47.25	1.2	4	12/6/2005	201	670	<0.001	<0.001	<0.001	<0.001	<0.001	85.2
MW-7	40.27	47.25	1.1	4	2/28/2006	202	876	<0.001	<0.001	<0.001	<0.001	<0.001	72.4

MW	Depth to Water feet	Total Depth feet	Well Volume gallons	Volume Purged gallons	Sample Date	CI	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	Sulfate
MW-7	40.63	47.25	1.1	10	6/5/2006	225	794	<0.001	<0.001	<0.001	<0.001		74
MW-7	40.17	47.25	1.1	10	9/11/2006	202	710	<0.001	<0.001	<0.001	<0.001		77.9
MW-7	40.01	47.25	1.2	7	11/14/2006	223	764	<0.001	<0.001	<0.001	<0.001		86.5
MW-7	40.53	47.31	1.1	5	3/13/2007	206	724	<0.001	<0.001	<0.001	<0.001		79.9
MW-7	40.92	47.31	1.0	5	6/11/2007	228	846	<0.001	<0.001	<0.001	<0.001		75.9
MW-7	40.92	47.31	1.0	5	9/18/2007	252	868	<0.001	<0.001	<0.001	<0.003		97.7
MW-7	41.03	47.31	1.0	5	12/6/2007	256	882	<0.001	<0.001	<0.001	<0.003		105
MW-7	41.3	47.31	1.0	5	3/3/2008	260	876	<0.001	<0.001	<0.001	<0.003		111
MW-7	41.56	47.31	0.9	5	5/28/2008	268	962	<0.001	<0.001	<0.001	<0.003		100
MW-7	41.85	47.31	0.9	5	9/8/2008	260	894	<0.001	<0.001	<0.001	<0.003		100
MW-7	41.99	47.31	0.9	5	12/15/2008	260	921	<0.001	<0.001	<0.001	<0.003		96.3
MW-7	42.18	47.35	0.8	5	3/17/2009	256	886	<0.001	<0.001	<0.001	<0.003		87.2
MW-7	42.35	47.35	0.8	5	6/10/2009	260	885	<0.001	<0.001	<0.001	<0.003		81.1
MW-7	42.49	47.35	0.8	5	9/14/2009	260	908	<0.001	<0.001	<0.001	<0.003		73.7
MW-7	42.61	47.35	0.8	5	11/19/2009	252	842	<0.001	<0.001	<0.001	<0.003		70.1
MW-7	42.77	47.35	0.7	5	3/17/2010	268	862	<0.001	<0.001	<0.001	<0.003		100

All concentrations in milligrams per liter

ROC Hobbs N-6

MW	Depth to Water feet	Total Depth feet	Well Volume gallons	Volume Purged gallons	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Sulfate
Bio Sparge #1	40.90	65.70	16.1	25	12/6/2005	92.6	608	0.0323	0.0209	0.107	0.0825	54.4
Bio Sparge #1	43.33	65.70	14.5	45	3/1/2006	105	912	0.44	0.0357	0.168	0.1195	XXX
Bio Sparge #1	41.08	65.70	16	50	6/5/2006	171	858	0.544	0.0125	1.142	0.03479	45
Bio Sparge #1	39.90	65.70	16.8	70	9/12/2006	142	1010	1.15	0.0283	0.207	0.04044	33.2
Bio Sparge #1	39.92	63.75	15.5	50	11/15/2006	283	1450	1.06	0.0298	0.159	0.0772	28.6
Bio Sparge #1	40.47	63.74	15.1	50	3/14/2007	427	2040	1.19	0.0402	0.323	0.0958	24.2
Bio Sparge #1	42.59	63.74	13.7	50	6/12/2007	346	1580	0.569	0.00923	0.146	0.0891	24.7
Bio Sparge #1	42.45	63.74	13.8	45	9/18/2007	428	1804	1.88	0.026	0.394	0.202	13.2
Bio Sparge #1	44.18	63.74	12.7	45	12/6/2007	500	1997	1.31	0.001	0.255	0.11	66.1
Bio Sparge #1	XXX	63.74	XXX	XXX	3/4/2008	550	2070	<0.001	<0.001	<0.001	<0.003	105
Bio Sparge #1	43.29	63.74	13.3	45	5/29/2008	810	2590	0.025	0.124	0.318	0.197	99.2
Bio Sparge #1	43.40	63.74	13.2	45	9/5/2008	710	2270	0.736	0.004	0.238	0.117	58
Bio Sparge #1	43.10	63.74	13.4	45	12/15/2008	580	2070	0.347	0.004	0.188	0.09	76.8
Bio Sparge #1	43.21	63.74	13.3	XXX	3/16/2009	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Bio Sparge #1	47.34	63.74	10.7	XXX	6/9/2009	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Bio Sparge #1	48.20	63.74	10.1	XXX	9/15/2009	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Bio Sparge #1	48.36	63.74	10	XXX	11/20/2009	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Bio Sparge #1	48.47	63.74	9.9	XXX	3/18/2010	XXX	XXX	XXX	XXX	XXX	XXX	XXX

All concentrations in milligrams per liter

XXX= Well contained emulsion and could not be purged/sampled

ROC Hobbs N-6

MW	Depth to Water feet	Total Depth feet	Well Volume gallons	Volume Purged gallons	Sample Date	CI	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Sulfate
Bio Sparge #2	42.59	73.32	20	60	11/15/2006	81.8	522	0.0373	0.00314	0.0404	0.0994	107
Bio Sparge #2	41.4	71.59	19.6	60	3/14/2007	64.5	444	0.00274	j[0.000935]	0.00225	0.00282	74.4
Bio Sparge #2	41.8	71.59	19.4	60	6/12/2007	83.8	546	0.00179	0.00119	0.002	0.0011	75.9
Bio Sparge #2	41.65	71.59	19.5	60	9/18/2007	108	588	<0.001	<0.001	<0.001	<0.003	111
Bio Sparge #2	41.5	71.59	19.6	60	12/6/2007	108	571	0.001	<0.001	0.002	<0.003	97.5
Bio Sparge #2	41.78	71.08	19	60	3/4/2008	100	553	0.002	<0.001	0.004	<0.003	113
Bio Sparge #2	42.06	71.08	18.9	60	5/29/2008	100	605	0.002	<0.001	0.002	<0.003	99.6
Bio Sparge #2	42.35	71.08	18.7	60	9/5/2008	88	511	0.008	<0.001	0.002	<0.003	101
Bio Sparge #2	42.46	71.08	18.6	60	12/15/2008	92	568	0.005	<0.001	0.001	<0.003	96.3
Bio Sparge #2	42.81	70.83	18.2	60	3/16/2009	88	497	<0.001	<0.001	<0.001	<0.003	85.9
Bio Sparge #2	42.92	70.83	18.1	60	6/9/2009	88	530	<0.001	<0.001	<0.001	<0.003	79.8
Bio Sparge #2	43.41	70.83	17.8	60	9/15/2009	92	533	<0.001	<0.001	<0.001	<0.003	83.7
Bio Sparge #2	43.61	70.83	17.7	69	11/19/2009	92	568	<0.001	<0.001	<0.001	<0.003	76.2
Bio Sparge #2	43.85	70.83	17.5	60	3/18/2010	92	555	<0.001	<0.001	<0.001	<0.003	112

All concentrations in milligrams per liter

ROC Hobbs N-6

MW	Depth to Water feet	Total Depth feet	Well Volume gallons	Volume Purged gallons	Sample Date	CI	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Sulfate
Bio Sparge #3	41.65	70.8	18.9	65	12/5/2007	576	1553	0.062	<0.001	0.069	0.021	73.7
Bio Sparge #3	41.53	70.8	19	65	3/4/2008	500	1410	0.037	0.001	0.115	0.032	68.3
Bio Sparge #3	41.82	70.8	18.8	65	5/29/2008	384	1074	0.006	<0.001	0.005	<0.003	79.4
Bio Sparge #3	42.09	70.8	18.7	65	9/5/2008	580	1480	0.01	<0.001	0.051	<0.003	106
Bio Sparge #3	42.19	70.8	18.6	65	12/15/2008	540	1440	0.007	0.001	0.014	<0.003	69.5
Bio Sparge #3	42.45	69.58	17.6	60	3/16/2009	480	1320	0.021	<0.001	0.024	<0.003	67
Bio Sparge #3	42.64	69.58	17.5	60	6/9/2009	420	1340	0.013	<0.001	0.023	<0.003	63.3
Bio Sparge #3	42.76	69.58	17.4	60	9/15/2009	352	1160	0.02	<0.001	<0.001	<0.003	63.8
Bio Sparge #3	42.89	69.58	17.3	60	11/19/2009	400	1160	0.038	<0.001	<0.001	<0.003	61
Bio Sparge #3	43.08	69.58	17.2	60	3/18/2010	316	1030	0.023	<0.001	0.014	<0.003	86.6

All concentrations in milligrams per liter

ROC Hobbs N-6

MW	Depth to Water feet	Total Depth feet	Well Volume gallons	Volume Purged gallons	Sample Date	CI	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	Sulfate
IWW					07/24/95	7,178	13,889	0.7770	<0.0200	<0.0200	0.0300	0.8070	
IWW					06/19/96	828	1,817	0.0320	<0.0010	<0.0010	<0.0030	0.0320	
IWW					11/25/96	5,300	10,147	0.6550	<0.0010	0.0026	<0.0030	0.6576	
IWW					04/03/97	760	1468	<0.0010	<0.0010	<0.0010	<0.0030	<0.0030	
IWW					07/02/97	200	663	<0.0010	<0.0010	<0.0010	<0.0030	<0.0030	
IWW					12/06/97	328	931	<0.0020	0.0060	<0.0020	0.0060	0.0120	
IWW (SPL)					12/06/97	N/A	N/A	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	
IWW (SPL)					02/18/98	67.00	491.00	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	
IWW					08/16/98	67.00	491.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
IWW					12/12/98	74.00	369.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
IWW					04/06/99	2275.00	3310.00	0.0630	<0.0020	<0.0020	<0.0060	<0.0060	
IWW					06/28/99	1893.00	2780.00	0.0130	<0.0020	<0.0020	<0.0060	<0.0060	
IWW					09/17/99	166.00	626.00	<0.0020	<0.0020	<0.0020	<0.0060	<0.0060	
IWW					12/13/99	505.00	1260.00	0.0040	<0.0020	<0.0020	<0.0060	<0.0060	
IWW					3/13/00	244.00	682.00	<0.0030	<0.0020	<0.0020	<0.0060	N/A	
IWW					6/15/00	182.00	751.00	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
IWW					9/18/00	82.00	435.00	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
IWW					12/15/00	95.00	527.00	<0.0020	<0.0020	<0.0020	<0.0060	N/A	
IWW					03/30/2001	113.00	485.00	<0.0020	0.0030	<0.0020	<0.0060	N/A	
IWW					06/28/2001	265.00	876.00	0.0022	<0.0020	<0.0020	<0.0060	N/A	
IWW					09/21/2001	76.00	509.00	0.0030	0.0049	<0.0020	<0.0060	N/A	
IWW					12/31/2001	152.00	502.00	0.0030	0.0015	<0.0020	<0.0060	N/A	
IWW	40.42	98.25	58.98	176.95	8/14/2002	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
IWW	40.79	98.18	37.3	111.91	3/14/2003	239	XXX	0.004	<0.001	<0.001	<0.001	110	
IWW	40.45	98.24	37.56	112.69	6/27/2003	40.7	465	<0.001	<0.001	<0.001	<0.001	102	
IWW	40.43	98.2	37.78	113.34	9/22/2003	42.5	493	<0.001	<0.001	<0.001	<0.001	79.6	
IWW	40.33	98.23	37.8	113.42	12/18/2003	52	485	<0.002	<0.002	<0.002	<0.006	38.6	
IWW	41.75	98.23	82.96	248.9	3/15/2004	487	1130	0.00619	<0.001	<0.001	<0.001	130	
IWW	40.12	98.22	37.93	113.81	5/27/2004	40.8	474	<0.001	<0.001	<0.001	<0.001	100	
IWW	41.93	98.2	57.4	172.19	9/8/2004	78	583	<0.001	<0.001	<0.001	<0.001	89.6	
IWW	39.71	98.2	59.66	178.98	11/23/2004	88.3	XXX	<0.001	<0.001	<0.001	<0.001	82.5	
IWW	39.01	98.2	XXX	250	3/29/2005	419	1010	<0.001	<0.001	<0.001	<0.001	81	
IWW	39.39	50	XXX	21	6/28/2005	85.3	510	<0.001	<0.001	<0.001	<0.001	73.5	
IWW	39.6	98.2	59.8	185	12/6/2005	49	498	<0.001	<0.001	<0.001	<0.001	64.2	
IWW	39.83	98.2	59.5	180	2/28/2006	41.9	532	<0.001	<0.001	<0.001	<0.001	60.3	
IWW	40.2	98.2	59.2	180	6/5/2006	44.5	494	<0.001	<0.001	<0.001	<0.001	61.1	

MW	Depth to Water feet	Total Depth feet	Well Volume gallons	Volume Purged gallons	Sample Date	CI	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	Sulfate
IWW	39.76	98.2	59.6	180	9/12/2006	38.8	528	<0.001	<0.001	<0.001	<0.001		80.7
IWW	39.61	98.20	59.8	180	11/14/2006	43.7	434	<0.001	<0.001	<0.001	<0.001		78.1
IWW	40.13	97.90	58.9	180	3/14/2007	35.2	538	<0.001	<0.001	<0.001	<0.001		66.7
IWW	40.5	97.90	58.5	180	6/11/2007	40.1	490	<0.001	<0.001	<0.011	<0.001		74.7
IWW	40.49	97.90	58.6	180	9/18/2007	48	606	0.006	<0.001	<0.001	<0.003		91.9
IWW	40.58	97.90	58.5	200	12/5/2007	44	505	<0.001	<0.001	<0.001	<0.003		87.5
IWW	40.93	97.90	58.1	200	3/4/2008	40	526	<0.001	<0.001	<0.001	<0.003		90.1
IWW	41.16	97.90	57.9	200	5/29/2008	44	556	<0.001	<0.001	<0.001	<0.003		82.6
IWW	41.38	97.90	57.7	200	9/5/2008	44	534	<0.001	<0.001	<0.001	<0.003		85
IWW	41.61	97.90	57.4	200	12/16/2008	48	574	<0.001	<0.001	<0.001	<0.003		74
IWW	41.76	97.90	57.3	200	3/16/2009	40	480	<0.001	<0.001	<0.001	<0.003		82.8
IWW	41.96	97.90	55.94	200	6/9/2009	40	505	<0.001	<0.001	<0.001	<0.003		73.2
IWW	42.06	97.90	57	200	9/15/2009	88	554	<0.001	<0.001	<0.001	<0.003		75.8
IWW	42.21	97.90	56.8	200	11/20/2009	44	447	<0.001	<0.001	<0.001	<0.003		68.5
IWW	42.36	97.90	56.7	200	3/18/2010	108	577	<0.001	<0.001	<0.001	<0.003		95.1

All concentrations in milligrams per liter