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UPS # 1Z F46 915 NY 9828 8539

July 27, 2011

Mr. Leonard Lowe
Environmental Engineer
New Mexico Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

RE: 2010 1st, 2nd, 3rd, and 4th Quarter Groundwater Monitoring Reports for the Apex Compressor Station – GW-163
Lea County, New Mexico
NE ¼ Section 36, Township 18 South, Range 36 East (NM Meridian)

Dear Mr. Lowe:

DCP Midstream, LP (DCP) is submitting the 2010 quarterly groundwater monitoring reports for the referenced site. LNAPL removal by manual bailing has continued at MW-01, RW-03, and RW-04 on a monthly basis. Benzene concentrations have been increasing in MW-06 and MW-07, towards the south of the site. Although downgradient monitoring wells remain non-detect or below regulatory standards, DCP Midstream has determined (please refer to 2010 subsurface investigation workplan) that further delineation both to the east and south is necessary. DCP is currently securing access for the drilling of 2-3 additional investigation wells from El Paso south of the Apex Compressor Station.

On a related note, and in an effort to reduce paperwork at this site, DCP will send groundwater monitoring reports semi-annually, while continuing the quarterly groundwater monitoring schedule. Q1-Q2 2011 groundwater results will be finalized shortly and sent to your attention.

If you have any questions regarding these reports, please call me at 303-605-1893.

Sincerely,

DCP Midstream, LP

Daniel Dick
Environmental Engineer

Enclosures

cc: Larry Johnson, OCD District I, Hobbs
DCP Midstream Environmental Files

FIRST QUARTER 2010 GROUNDWATER MONITORING REPORT

DCP APEX COMPRESSOR STATION
GW-163
LATITUDE: N 32.708700° LONGITUDE: W 103.3089°
LEA COUNTY, NEW MEXICO

Prepared For:
Mr. Daniel Dick
DCP Midstream, LP
370 17th Street, Suite 2500
Denver, Colorado 80202

Siobhan Pritchard
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Senior Project Geologist

Prepared by:
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DECEMBER 3, 2010
REF. NO. 058660 (4)
This report is printed on recycled paper.

CONESTOGA-ROVERS
& ASSOCIATES

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& ASSOCIATES

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CONESTOGA-ROVERS
& ASSOCIATES

1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) is submitting this *First Quarter 2010 Groundwater Monitoring Report* to DCP Midstream, LP (DCP) for the Apex Compressor Station. This report summarizes the March 24 through March 31, 2010 groundwater sampling event. Groundwater monitoring and sampling details, analytical results, and conclusions are presented below.

Site Background

The site is located in Lea County, New Mexico approximately nine miles west of Hobbs, New Mexico (Figure 1). The site occupies approximately 1.8 acres in an undeveloped area. Petroleum hydrocarbons were discovered in soil and groundwater beneath a former tank battery during a 2004 property transaction. There are 24 groundwater monitoring and recovery wells onsite.

Hydrogeology

Historical static groundwater depths have ranged between 51.69 (RW-06) and 65.87 feet below ground surface (ft bgs) (MW-10). Static groundwater depths ranged from 59.51 (MW-06) to 65.87 ft bgs (MW-10) on March 24, 2010. Groundwater flows to the south-southeast with a gradient of 0.0085 ft/ft (Figure 2).

2.0 GROUNDWATER MONITORING AND SAMPLING

CRA gauged groundwater monitoring wells MW-01 through MW-07, MW-09, MW-10, MW-B through MW-D, and recovery wells RW-1 through RW-12 on March 24, 2010. Groundwater samples were collected from MW-02 through MW-07, MW-09, MW-10, MW-B through MW-D, RW-01, RW-02, and RW-05 through RW-12 on March 26 and March 29 through March 31, 2010. Light non-aqueous phase liquids (LNAPL) were measured in wells MW-01, RW-03, and RW-04; groundwater samples were not collected. Each well cap was removed to allow groundwater levels to stabilize and equilibrate prior to gauging. All sampled wells were purged of approximately three well-casing volumes while temperature, pH, and conductivity were measured. Groundwater samples, including a duplicate sample, were collected using clean disposable bailers and decanted into clean containers supplied by the analytical laboratory. Groundwater samples were submitted under chain-of-custody to Accutest Laboratories of Texas. CRA well sampling forms are presented as Appendix A. CRA's standard operating procedures for groundwater monitoring and sampling are presented as Appendix B. Groundwater gauging results and field parameters are summarized in Table 1.

LNAPL Recovery

CRA manually removed LNAPL from wells MW-01, RW-03, and RW-04 on January 14, February 25, and March 31, 2010. LNAPL thickness ranged from approximately 0.05 (MW-01) to 3.13 ft (RW-04) during the first quarter 2010. LNAPL recovery is summarized in Table 2.

Purged Groundwater

Purged groundwater from site monitoring wells was stored in a sealed United States Department of Transportation polydrum. The drum was labeled with contents, date of generation, generator identification, and consultant contact information. Purged groundwater was transported to the DCP Linam Ranch facility for disposal. The drums were labeled with contents, date of generation, generator identification and consultant contact information.

3.0 ANALYTICAL RESULTS

Groundwater Analytical Methods

Groundwater samples collected from MW-02 through MW-10, MW-B through MW-D, RW-01, RW-02, and RW-05 through RW-12 were analyzed for the following:

- Benzene, toluene, ethylbenzene, and xylenes (BTEX) by SW-846 8260B.

Constituents of Concern and Cleanup Levels

The New Mexico Oil Conservation Division (NMOCD) guidelines require groundwater to be analyzed for potential constituents of concern (COC) as defined by the New Mexico Water Quality Control Commission (NMWQCC) regulations. The COC in site groundwater is LNAPL in the form of natural gas condensate. NMWQCC human heath standards for groundwater (*Title 20, Chapter 6, Part 2, Subsection A*) are:

Analyte	NMWQCC Standard for Groundwater micrograms per liter (µg/l)
Benzene	10
Toluene	750
Ethylbenzene	750
Total xylenes	620

Groundwater Sampling Results

No BTEX was detected above NMWQCC standards in wells MW-4, MW-05, MW-09, MW-10, MW-B, MW-C, and RW-09 through RW-12. The maximum benzene concentration was 5,140 micrograms per liter (µg/l) in sample RW-05. Groundwater analytical results are summarized in Table 1. The laboratory analytical report is presented as Appendix C.

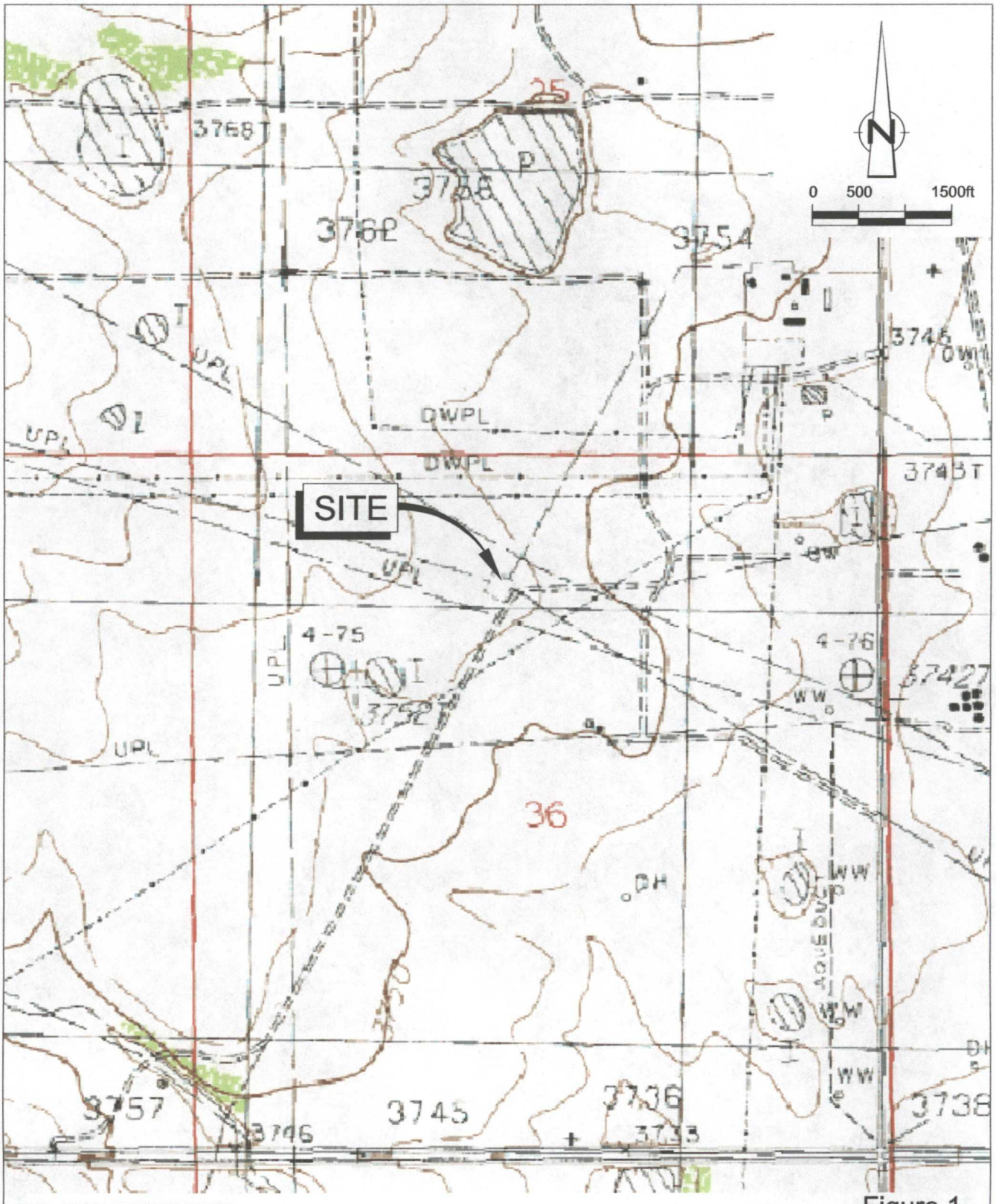
4.0 CONCLUSIONS

DCP will continue monthly remedial observation and maintenance and quarterly monitoring and sampling during 2010 to evaluate site groundwater conditions.

FIGURES

FIGURE 1: SITE PLAN

FIGURE 2: GROUNDWATER ELEVATION CONTOUR MAP



QUAD: USGS MONUMENT NORTH

Figure 1

VICINITY MAP
APEX COMPRESSOR STATION
LEA COUNTY, NEW MEXICO
DCP Midstream

059097-10(010)GN-MD001 MAR 1/2010

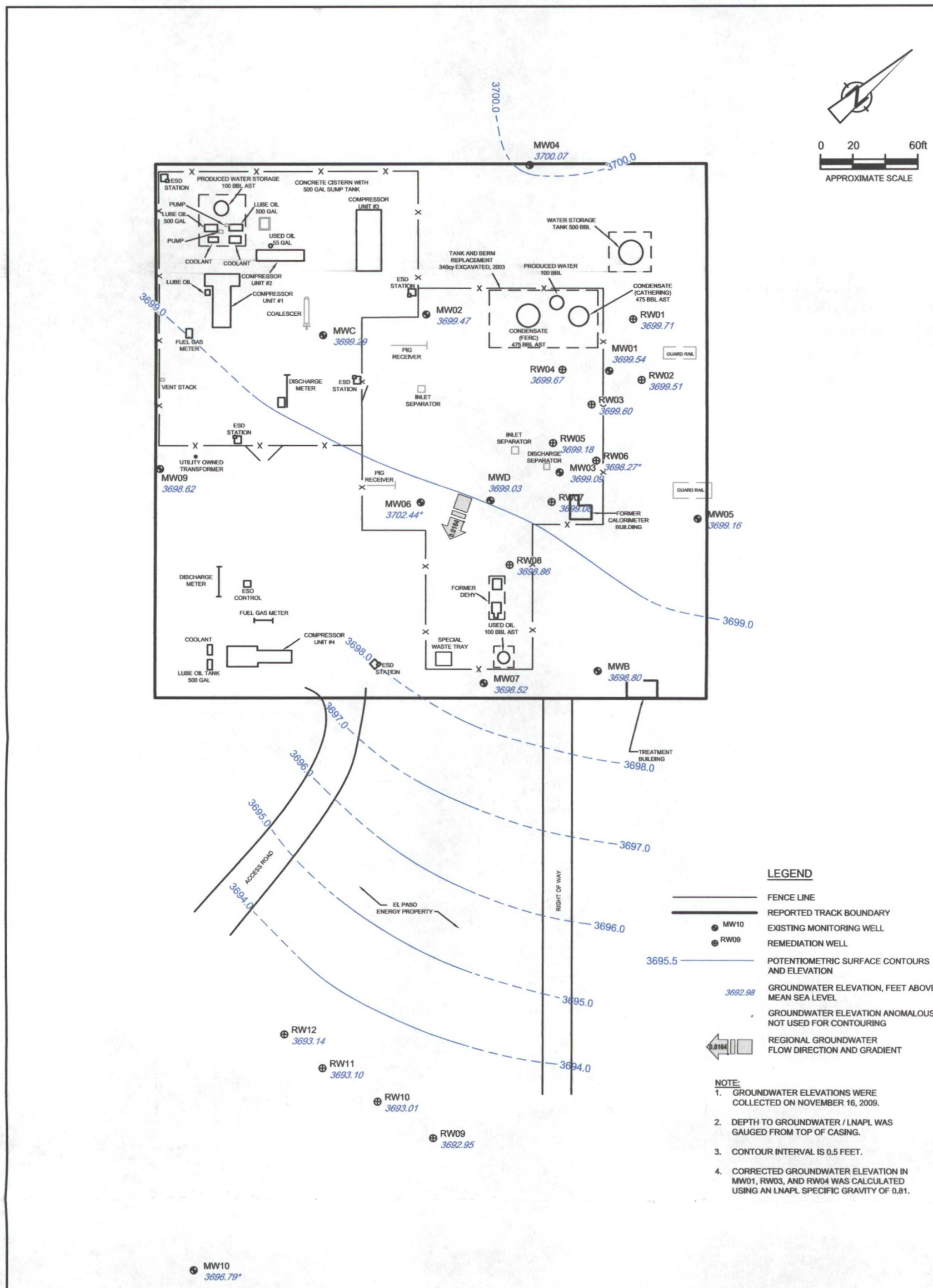


figure 2

GROUNDWATER GRADIENT MAP - MARCH 24 AND 31, 2010
APEX COMPRESSOR STATION
LEA COUNTY, NEW MEXICO
DCP Midstream

058660-10(010)GN-EM004 MAY14/2010

TABLES

TABLE 1: GROUNDWATER ANALYTICAL RESULTS

TABLE 2: LNAPL RECOVERY

Table 1. **Groundwater Analytical Results** - Apex Compressor Station, Lea County, New Mexico

Well ID	Date	TOC	DTW	LNAPL Thickness	GWE	pH	Conductivity	Temperature	DO	ORP	Benzene	Toluene	Ethyl-benzene	Total Xylenes
		(ft msl)	(ft bgs)	(ft)	(ft msl)	s u	µS/cm	°C	mg/l	mV	← Concentrations in µg/l →			
MW-01	1/10/2008	3759 75	59 83	--	3699 92	--	--	--	--	--	--	--	--	--
MW-01	2/7/2008	3759 75	59 88	--	3699 87	--	--	--	--	--	--	--	--	--
MW-01	3/4/2008	3759.75	59 71	--	3700 04	6.57	2137	18.65	2.51	-179 2	2,900	< 2,500	590	3,200
MW-01(d)	3/4/2008	3759.75	59 71	--	3700 04	6.57	2132	18 65	2.51	-179.2	1,600	< 50	240	1,400
MW-01	6/3/2008	3759.75	59.73	--	3700.02	6 68	3042	20 50	1.26	-105.0	4,020	483	868	5,790
MW-01	9/17/2008	3759.75	59 68	--	3700 07	6.30	3555	19.90	0.31	-69 1	3,360	443	818	4,780
MW-01	12/4/2008	3759.75	59.70	--	3700.05	6.71	3358	17 78	1 01	-101.7	2,530	< 12	641	2,990
MW-01	1/29/2009	3759 75	59 70	--	3700.05	--	--	--	--	--	--	--	--	--
MW-01	2/24/2009	3759 75	59 76	--	3699.99	6.64	3414	19 74	0 69	-45 0	3,870	54.9	928	5,070
MW-01	6/24/2009	3759 75	59 83	0 04	3699 95					LNAPL present				
MW-01	9/2/2009	3759 75	60 06	0.07	3699.75					LNAPL present				
MW-01	11/16/2009	3759 75	60.17	0 16	3699 71					LNAPL present				
MW-01	1/14/2010	3759.75	60 20	0 07	3699 61					LNAPL present				
MW-01	2/25/2010	3759.75	60.13	0.06	3699 67					LNAPL present				
MW-01	3/24/2010	3759 75	60.25	0.05	3699.54					LNAPL present				
MW-02	1/10/2008	3759 67	59 84	--	3699 83	--	--	--	--	--	--	--	--	--
MW-02	2/7/2008	3759 67	59 69	--	3699 98	--	--	--	--	--	--	--	--	--
MW-02	3/4/2008	3759.67	59.69	--	3699.98	6.76	760	16.57	5.56	52.1	39	< 5.0	< 1 0	< 3 0
MW-02	6/3/2008	3759 67	59 68	--	3699 99	6.93	737	20 83	4 53	-76.0	30.5	< 0 48	0 67 J	1.9 J
MW-02	9/17/2008	3759 67	59 70	--	3699 97	6 11	834	19 74	1 24	21 6	86.8	0 53 J	2.2	27 6
MW-02	12/4/2008	3759.67	59.74	--	3699.93	6.81	804	18 26	0 94	-113 7	40.2	< 0.48	< 0.45	< 1 4
MW-02	1/29/2009	3759.67	59 75	--	3699 92	--	--	--	--	--	--	--	--	--
MW-02	2/24/2009	3759 67	59 59	--	3700 08	6.79	853	19.71	1 07	-14.7	101	< 0 48	1 4	< 1.4
MW-02	6/24/2009	3759 67	59 84	--	3699 83	6.70	100	97 00	5.49	-14.0	146	< 2.0	2 9	5 7 J
MW-02	9/2/2009	3759.67	59 97	--	3699.70	6.82	110	20.92	3 21	-33 0	171	< 2.0	2 4	2 0 J
MW-02	11/18/2009	3759 67	60 05	--	3699 62	7 36	631	21 50	--	--	8	< 2 0	< 2.0	<6.0
MW-02	3/24/2010	3759 67	60 20	--	3699.47	7 01	862	19 39	--	--	44.3	< 2.0	< 2.0	<6 0
MW-03	1/10/2008	3759 33	59.79	--	3699.54	--	--	--	--	--	--	--	--	--
MW-03	2/7/2008	3759.33	59 63	--	3699 70	--	--	--	--	--	--	--	--	--
MW-03	3/5/2008	3759.33	59 62	--	3699 71	6 84	1344	18.30	3 49	-88.7	4,800	1,100	690	4,100
MW-03	6/3/2008	3759 33	59 57	--	3699 76	6 75	1820	21.14	1 28	-136 7	4,780	187	796	4,190
MW-03	9/17/2008	3759 33	59.66	--	3699.67	6.42	1839	20 01	0 31	-74 0	5,120	284	829	4,460
MW-03	12/4/2008	3759 33	59 65	--	3699 68	6 85	1728	17.98	1.09	-63 4	4,200	< 24	693	3,090
MW-03	1/29/2009	3759.33	59.60	--	3699.73	--	--	--	--	--	--	--	--	--
MW-03	2/25/2009	3759.33	59 55	--	3699 78	6.80	1880	19 73	0.93	-35.6	5,300	< 24	775	3,470
MW-03	6/24/2009	3759 33	59 73	--	3699.60	6.70	230	21.40	2 83	-81.0	5,120	82 7 J	758	4,270
MW-03(d)	6/24/2009	3759.33	59 73	--	3699 60	6 70	230	21 40	2.83	-81.0	5,260 a	99 1	917	5,060
MW-03	9/2/2009	3759 33	59 94	--	3699 39	6 61	250	20 96	1.88	-136 0	5,290	< 200	742	4,350
MW-03(d)	9/2/2009	3759.33	59.94	--	3699 39	6 61	250	20 96	1.88	-136.0	5,250 a	28 9 J	828	4,730
MW-03	11/16/2009	3759.33	60.01	--	3699 32	6.78	2030	18 56	--	--	4,400	<0 400	805	2,240
MW-03(d)	11/16/2009	3759.33	60 01	--	3699 32	6 78	2030	18 56	--	--	5,120	<200	887	2,540
MW-03	3/24/2010	3759 33	60 24	--	3699 09	7 08	2310	20 06	--	--	3,760	<400	641	1,510
MW-03(d)	3/24/2010	3759 33	60 24	--	3699 09	7.08	2310	20 06	--	--	3,850 a	2 0	686 a	1,590 a
NMOCD Cleanup Levels											10	750	750	620

Table 1 **Groundwater Analytical Results - Apex Compressor Station, Lea County, New Mexico**

Well ID	Date	TOC	DTW	LNAPL Thickness	GWE	pH	Conductivity	Temperature	DO	ORP	Benzene	Toluene	Ethyl-benzene	Total Xylenes
		(ft msl)	(ft bgs)	(ft)	(ft msl)	s u	µS/cm	°C	mg/l	mV	← Concentrations in µg/l →			
MW-04	1/10/2008	3761 94	61 46	--	3700 48	--	--	--	--	--	--	--	--	--
MW-04	2/7/2008	3761.94	61 42	--	3700 52	--	--	--	--	--	--	--	--	--
MW-04	3/4/2008	3761 94	61 42	--	3700.52	6.60	656	17.86	5.36	102.3	< 1.0	< 5.0	< 1 0	< 3 0
MW-04	6/3/2008	3761 94	61 34	--	3700.60	6 91	759	20 20	3 60	39 9	< 0.46	< 0 48	< 0 45	< 1 4
MW-04	9/16/2008	3761.94	61 47	--	3700 47	6 63	736	19 99	3 18	84.5	2 9	< 0 48	1 6 J	23
MW-04	12/3/2008	3761.94	61 43	--	3700 51	6 90	662	17 15	4.30	90 6	< 0 46	< 0 48	< 0 45	< 1 4
MW-04	1/29/2009	3761 94	61 40	--	3700.54	--	--	--	--	--	--	--	--	--
MW-04	2/24/2009	3761 94	61 31	--	3700 63	6.83	690	19 13	3.25	136 4	2 2	< 0 48	< 0 45	< 1 4
MW-04	6/24/2009	3761.94	61 59	--	3700.35	6 70	900	20 10	6.03	152 0	3 7	< 2 0	0 90 J	4 5 J
MW-04	9/2/2009	3761.94	61.70	--	3700.24	6.75	880	20 82	4.11	93.0	8 1	< 2.0	0.71 J	< 6 0
MW-04	11/18/2009	3761 94	61.78	--	3700.16	7.27	685	19.78	--	--	13.4	< 2.0	1.9 J	3.6 J
MW-04	3/24/2010	3761.94	61 93	--	3700.01	7 08	757	19	--	--	0.59	< 2 0	< 2 0	<6.0
MW-05	1/10/2008	3760 97	64 46	--	3696 51	--	--	--	--	--	--	--	--	--
MW-05	2/7/2008	3760.97	61.35	--	3699.62	--	--	--	--	--	--	--	--	--
MW-05	3/4/2008	3760 97	61 30	--	3699 67	6 72	917	17 96	3 99	-129 5	3.7	< 5 0	24	93
MW-05	6/3/2008	3760 97	61 18	--	3699 79	6.89	1016	21 34	1.74	-106.0	3.5	< 0.48	38 9	133
MW-05	9/16/2008	3760 97	61.29	--	3699.68	6.75	976	19.64	0.60	-56.1	2.6	< 0.48	49 7	179
MW-05	12/3/2008	3760.97	61 30	--	3699 67	7.01	960	18 30	1.78	-48 6	< 0 46	< 0 48	36	176
MW-05	2/25/2009	3760 97	61 14	--	3699 83	6 98	908	19 20	1 03	23 4	< 0 46	< 0 48	34 9	126
MW-05	6/24/2009	3760 97	61 41	--	3699.56	6 80	120	20 40	2.35	-44.0	1 0 J	< 2.0	52.7	344
MW-05	9/2/2009	3760 97	61 57	--	3699 40	6 65	140	21 40	1 90	-72 0	< 2 0	< 2 0	63 6	394 a
MW-05	11/16/2009	3760.97	61 68	--	3699 29	7 16	1081	17 00	--	--	< 2 0	< 2 0	50 9	235
MW-05	3/24/2010	3760 97	61 81	--	3699.16	7.18	1014	20.56	--	--	< 2.0	< 2.0	31.5	153
MW-06	1/10/2008	3761.95	62 61	--	3699 34	--	--	--	--	--	--	--	--	--
MW-06	2/7/2008	3761 95	62 52	--	3699 43	--	--	--	--	--	--	--	--	--
MW-06	3/5/2008	3761.95	62.48	--	3699 47	6 91	1041	16 09	8 27	-15 3	8 1	< 5 0	< 1 0	< 3 0
MW-06	6/2/2008	3761 95	--	--	--	--	--	--	--	--	--	--	--	--
MW-06	9/16/2008	3761.95	--	--	--	6 65	184	20 32	0 48	-104.0	1 0 J	< 0 48	< 0 45	12
MW-06	12/3/2008	3761.95	--	--	--	6 89	1168	18 51	0 91	-71 4	126	< 0 48	4.1	< 1 4
MW-06	2/24/2009	3761.95	--	--	--	6.85	1204	19.76	0 81	21 8	60.7	< 0 48	1 9 J	< 1.4
MW-06	6/24/2009	3761 95	59 21	--	3702.74	6 80	130	20.30	9.55	-5.0	22.9	< 2.0	1 7 J	6.7
MW-06	9/2/2009	3761.95	59.31	--	3702 64	6 83	140	59 20	1 82	-36 0	28.4	< 2 0	1.4 J	< 6 0
MW-06	11/18/2009	3761 95	59.41	--	3702.54	7 12	1250	18 67	--	--	148	< 2.0	< 2.0	< 6.0
MW-06(d)	11/18/2009	3761 95	59 41	--	3702.54	7 12	1250	18 67	--	--	150	< 2 0	< 2.0	< 6.0
MW-06	3/24/2010	3761.95	59 51	--	3702 44	7.11	1331	20 5	--	--	172 a	< 2.0	< 2 0	< 6 0
NMOCD Cleanup Levels											10	750	750	620

Table 1. Groundwater Analytical Results - Apex Compressor Station, Lea County, New Mexico

Well ID	Date	TOC	DTW	LNAPL Thickness	GWE	pH	Conductivity	Temperature	DO	ORP	Benzene	Toluene	Ethyl-benzene	Total Xylenes
		(ft msl)	(ft bgs)	(ft)	(ft msl)	s u.	µS/cm	°C	mg/l	mV	Concentrations in µg/l			
MW-07	1/10/2008	3761 98	63 18	--	3698.80	--	--	--	--	--	--	--	--	--
MW-07	2/7/2008	3761.98	63 06	--	3698.92	--	--	--	--	--	--	--	--	--
MW-07	3/4/2008	3761 98	63 01	--	3698 97	6.88	1240	17 78	2.58	-190 8	600	< 5 0	92	86
MW-07	6/3/2008	3761 98	62 94	--	3699.04	7.05	1360	20.32	1.47	-175 1	896	< 2 4	190	109
MW-07(d)	6/3/2008	3761 98	62.94	--	3699.04	7.05	1360	20.32	1 47	-175.1	924	< 0.48	196	122
MW-07	9/17/2008	3761 98	63.07	--	3698 91	6.43	1379	20 52	0 58	-92.0	869	< 0.48	201	564
MW-07(d)	9/17/2008	3761 98	63 07	--	3698 91	6.43	1379	20 52	0 58	-92 0	997	< 0.48	206	537
MW-07	12/3/2008	3761 98	63 10	--	3698.88	7 13	1240	17.30	1 90	-93 7	1,050	< 4 8	264	917
MW-07	1/29/2009	3761.98	63 00	--	3698 98	--	--	--	--	--	--	--	--	--
MW-07	2/24/2009	3761 98	62 88	--	3699 10	7 10	1308	19 39	1 21	-52.4	1,560	< 4 8	330	1,160
MW-07	6/23/2009	3761 98	63 08	--	3698.90	6 90	140	20.80	5.09	-55 0	769 a	1 2 J	190	527 a
MW-07	9/2/2009	3761.98	63.25	--	3698.73	6.87	160	21 12	1.98	-96 0	501 a	1.3 J	200	271 a
MW-07(d)	9/2/2009	3761 98	63.25	--	3698 73	6.87	160	21 12	1 98	-96.0	564 a	0.64 J	95.5	305
MW-07	11/18/2009	3761 98	63 33	--	3698 65	7.38	1394	19.78	--	--	1,460 a	2.8	294 a	1,110 a
MW-07	3/24/2010	3761 98	63 46	--	3698 52	7.33	1465	20.28	--	--	1,650 a	<2 0	424	1310
MW-09	1/10/2008	3762.54	63.65	--	3698 89	--	--	--	--	--	--	--	--	--
MW-09	2/7/2008	3762 54	63 62	--	3698.92	--	--	--	--	--	--	--	--	--
MW-09	3/4/2008	3762 54	63 56	--	3698 98	7.09	606	17.78	7.95	95.0	< 1.0	< 5 0	< 1.0	< 3 0
MW-09	6/3/2008	3762 54	63 49	--	3699 05	7 25	688	20 80	6 36	45 7	< 0.46	< 0 48	< 0 45	< 1 4
MW-09(d)	6/3/2008	3762 54	63 49	--	3699.05	7 25	688	20 80	6 36	45 7	< 0 46	< 0 48	< 0 45	< 1 4
MW-09	9/16/2008	3762 54	63 62	--	3698.92	6.96	693	19 77	4.80	94.1	0.62 J	< 0 48	0.46 J	11.6
MW-09	12/3/2008	3762 54	63 65	--	3698 89	7 25	693	17 59	6.90	98 1	< 0 46	< 0 48	< 0 45	< 1 4
MW-09	1/29/2009	3762.54	63.60	--	3698 94	--	--	--	--	--	--	--	--	--
MW-09	2/24/2009	3762 54	65 47	--	3697.07	7.25	783	19 15	6.39	167.4	< 0.46	< 0.48	< 0 45	< 1.4
MW-09	6/23/2009	3762 54	63 65	--	3698 89	7.20	100	20 00	9 02	210.0	< 2.0	< 2 0	< 2 0	< 6 0
MW-09	9/2/2009	3762 54	63.77	--	3698 77	7 11	110	20.81	8 76	111 0	< 2 0	< 2 0	< 2 0	< 6 0
MW-09	11/18/2009	3762 54	63 85	--	3698 69	7.28	1068	19 06	--	--	< 2.0	< 2.0	< 2.0	< 6.0
MW-09	3/24/2010	3762 54	63 92	--	3698 62	7 36	1241	19.56	--	--	< 2.0	< 2 0	< 2.0	< 6.0
MW-10	1/10/2008	3762 66	65 78	--	3696 88	--	--	--	--	--	--	--	--	--
MW-10	2/7/2008	3762 66	65 74	--	3696 92	--	--	--	--	--	--	--	--	--
MW-10	3/4/2008	3762 66	65 66	--	3697 00	7.22	524	14 63	16.11	102 9	< 1 0	< 5 0	< 1.0	< 3.0
MW-10	6/2/2008	3762 66	65.89	--	3696 77	7 27	632	20 26	6 97	499 9	< 0.46	< 0 48	< 0 45	< 1 4
MW-10	9/16/2008	3762 66	65 84	--	3696.82	7.29	569	18 98	5.34	45 4	< 0.46	< 0.48	< 0.45	11 1
MW-10	12/3/2008	3762.66	65.75	--	3696.91	7 51	553	17.82	8 19	111.1	< 0.46	< 0.48	< 0.45	< 1.4
MW-10	1/29/2009	3762 66	65 70	--	3696 96	--	--	--	--	--	--	--	--	--
MW-10	2/24/2009	3762 66	65.53	--	3697.13	7.51	573	18 89	6.69	233.1	< 0.46	< 0.48	< 0.45	< 1.4
MW-10	6/23/2009	3762 66	65 63	--	3697.03	7 40	690	20 20	10.40	230 0	< 2 0	< 2 0	< 2 0	< 6.0
MW-10	9/2/2009	3762 66	65 85	--	3696 81	6.67	780	20.39	8.55	180.0	< 2 0	< 2 0	< 2 0	< 6 0
MW-10	11/18/2009	3762 66	65 87	--	3696.79	7 76	1014	19.17	--	--	< 2.0	< 2 0	< 2.0	< 6.0
MW-10	3/24/2010	3762 66	65 87	--	3696 79	7.61	729	18.78	--	--	< 2.0	< 2 0	< 2 0	< 6 0
NMOCD Cleanup Levels											10	750	750	620

Table 1. Groundwater Analytical Results - Apex Compressor Station, Lea County, New Mexico

Well ID	Date	TOC	DTW	LNAPL Thickness	GWE	pH	Conductivity	Temperature	DO	ORP	Benzene	Toluene	Ethyl-benzene	Total Xylenes
		(ft msl)	(ft bgs)	(ft)	(ft msl)	s.u	µS/cm	°C	mg/l	mV	← Concentrations in µg/l →			
MW-B	1/10/2008	3758.52	59 45	--	3699 07	--	--	--	--	--	--	--	--	--
MW-B	2/7/2008	3758 52	59.34	--	3699.18	--	--	--	--	--	--	--	--	--
MW-B	3/4/2008	3758.52	59 29	--	3699 23	6.62	1035	17 67	6.17	16 1	< 1 0	< 5 0	< 1 0	< 3 0
MW-B	6/3/2008	3758.52	59.19	--	3699 33	6 81	1108	20 73	3.84	-45 2	40.1	161	14.1	115
MW-B	9/16/2008	3758 52	59.32	--	3699 20	6.28	1099	19.71	0.95	-32 8	63.9	230	50 5	245
MW-B	12/3/2008	3758.52	59.31	--	3699 21	6 96	893	18 04	3.56	53.1	< 0 46	< 0 48	< 0 45	< 1 4
MW-B	1/29/2009	3758 52	59.30	--	3699 22	--	--	--	--	--	--	--	--	--
MW-B	2/24/2009	3758 52	59.17	--	3699.35	6 93	927	19.10	2 97	144 8	3 0	7 8	1 0 J	6 9
MW-B	6/24/2009	3758 52	59.37	--	3699 15	6 80	120	21.30	6 26	20 0	60.9	566 a	92 6	553
MW-B	9/2/2009	3758 52	59 54	--	3698.98	6.81	130	38.60	1.85	-69.0	70.6	602 a	91.5	590 a
MW-B	11/18/2009	3758.52	59 61	--	3698 91	7.28	1095	16 67	--	--	5 4	3.3	2 2	4.9 J
MW-B	3/24/2010	3758 52	59 72	--	3698 80	7 14	1105	19 28	--	--	4 9	48 4	8 9	45 7
MW-C	1/10/2008	3759 93	60 33	--	3699.60	--	--	--	--	--	--	--	--	--
MW-C	2/7/2008	3759.93	60.24	--	3699 69	--	--	--	--	--	--	--	--	--
MW-C	3/5/2008	3759.93	60.21	--	3699 72	6 98	595	16 89	9.97	56 9	< 1.0	< 5 0	< 1 0	< 3.0
MW-C	6/3/2008	3759 93	60 15	--	3699.78	6.99	773	20 83	6.90	-81 1	< 0 46	< 0.48	< 0 45	< 1.4
MW-C	9/16/2008	3759 93	60 22	--	3699 71	6.73	803	19 99	3 58	90 0	< 0 46	< 0 48	< 0 45	11 2
MW-C	12/3/2008	3759.93	60.30	--	3699 63	6 97	761	18 36	5.37	115 6	< 0.46	< 0 48	< 0 45	< 1 4
MW-C	1/29/2009	3759 93	60 20	--	3699 73	--	--	--	--	--	--	--	--	--
MW-C	2/24/2009	3759 93	60 12	--	3699.81	6 91	792	13 21	4.40	186 3	< 0 46	< 0 48	< 0 45	< 1 4
MW-C	6/24/2009	3759.93	60.32	--	3699.61	6.80	110	20.60	6.31	127 0	< 2.0	< 2 0	< 2 0	< 6.0
MW-C	9/2/2009	3759.93	60.42	--	3699.51	7.02	120	20.14	6.20	88.0	< 2.0	< 2.0	< 2 0	< 6.0
MW-C	11/18/2009	3759.93	60.56	--	3699 37	7.22	1000	18 89	--	--	< 2 0	< 2.0	< 2.0	< 6.0
MW-C	3/24/2010	3759.93	60 64	--	3699 29	7 11	1019	19 56	--	--	< 2 0	0.10	< 2 0	< 6 0
MW-D	1/10/2008	3759.53	60.19	--	3699 34	--	--	--	--	--	--	--	--	--
MW-D	2/7/2008	3759 53	60 08	--	3699.45	--	--	--	--	--	--	--	--	--
MW-D	3/5/2008	3759 53	60 04	--	3699 49	7 00	891	16 64	11.15	-134 4	470	140	160	610
MW-D	6/3/2008	3759 53	59 97	--	3699.56	6.83	1249	21 09	0 75	-195 8	662	47 4	252	202
MW-D	9/16/2008	3759.53	60 10	--	3699 43	6 23	1221	20 31	0 46	-102.2	711	93 8	255	518
MW-D	12/3/2008	3759.53	60.10	--	3699.43	6.94	1118	18 12	1 32	-111.5	749	36.4	282	1,200
MW-D(d)	12/3/2008	3759 53	60 10	--	3699 43	6.94	1118	18 12	1.32	-111.5	738	36.7	263	1,200
MW-D	1/29/2009	3759.53	60 15	--	3699.38	--	--	--	--	--	--	--	--	--
MW-D	2/24/2009	3759.53	59 94	--	3699 59	6.87	1153	19.47	0 92	-38 1	759	176	277	1,070
MW-D(d)	2/24/2009	3759.53	59.94	--	3699 59	6.87	1153	19 47	0 92	-38 1	937	173	326	1,430
MW-D	6/24/2009	3759.53	60 18	--	3699 35	6 80	130	20 70	2 01	-89.0	999	253	322	1,780
MW-D	9/2/2009	3759 53	60.29	--	3699.24	6.90	150	20 72	2 11	-128 0	963	202	319	1,940
MW-D	11/18/2009	3759 53	60 41	--	3699 12	7.09	1223	18.78	--	--	1,070	30 4	303	1,330
MW-D	3/24/2010	3759 53	60 50	--	3699 03	7 04	1306	20 06	--	--	1,260	38.9	292	1920
NMOCD Cleanup Levels											10	750	750	620

Table 1. **Groundwater Analytical Results** - Apex Compressor Station, Lea County, New Mexico

Well ID	Date	TOC	DTW	LNAPL Thickness	GWE	pH	Conductivitiy	Temperature	DO	ORP	Benzene	Toluene	Ethyl-benzene	Total Xylenes
		(ft msl)	(ft bgs)	(ft)	(ft msl)	s u	µS/cm	°C	mg/l	mV	← Concentrations in µg/l →			
RW-01	1/10/2008	3759 49	59 39	--	3700 10	--	--	--	--	--	--	--	--	--
RW-01	2/7/2008	3759 49	59 28	--	3700 21	--	--	--	--	--	--	--	--	--
RW-01	3/4/2008	3759 49	59.62	--	3699.87	6.68	1884	18.34	4.02	-218 1	620	< 50	170	860
RW-01(d)	3/4/2008	3759 49	59 62	--	3699 87	6 68	1884	18 34	4.02	-218 1	550	< 50	200	1,000
RW-01	6/3/2008	3759 49	59.11	--	3700 38	6.85	2192	20.99	2 41	-136 4	662	7.7	712	3,750
RW-01	9/17/2008	3759.49	59 21	--	3700.28	6.71	1929	20 24	0 41	-82 1	499	2.1	345	1,480
RW-01(d)	9/17/2008	3759 49	59 21	--	3700 28	6 71	1929	20.24	0.41	-82.1	522	1 9 J	302	1,390
RW-01	12/4/2008	3759 49	59 25	--	3700 24	7.01	1797	17 80	1 03	-127 4	515	< 2 4	347	1,540
RW-01	1/29/2009	3759.49	59.25	--	3700 24	--	--	--	--	--	--	--	--	--
RW-01	2/24/2009	3759 49	59.12	--	3700.37	6.90	1922	19.91	0.50	-94 4	770	< 2 4	387	1,570
RW-01	6/23/2009	3759 49	59 34	--	3700.15	6.90	220	20 80	2.13	-121 0	1,110 a	< 2 0	304 a	1,360
RW-01(d)	6/23/2009	3759.49	59 34	--	3700 15	6 90	220	20 80	2.13	-121 0	1,160	< 2.0	315	1,400
RW-01	9/3/2009	3759 49	59 55	--	3699 94	6.55	220	19 80	1 79	-126.0	1,100	<2.0	363	1,780
RW-01	11/18/2009	3759 49	59 63	--	3699 86	7.11	1868	21 06	--	--	906 a	<2 0	321 a	901 a
RW-01	3/24/2010	3759 49	59 78	--	3699 71	7.12	1830	19.56	--	--	1,010	<2 0	255 00	947
RW-02	1/10/2008	3759 29	59 33	--	3699.96	--	--	--	--	--	--	--	--	--
RW-02	2/7/2008	3759 29	59 29	--	3700 00	--	--	--	--	--	--	--	--	--
RW-02	3/4/2008	3759 29	59 21	--	3700 08	6 54	2101	18.03	2.57	-185 2	1,400	< 50	260	880
RW-02	6/3/2008	3759 29	59 15	--	3700 14	6 71	2232	20 70	1 34	-118.8	1,230	< 0 48	348	1,100
RW-02	9/17/2008	3759 29	59 21	--	3700.08	6.19	1926	19 49	0 54	-47.3	1,160	< 0 48	344	1,220
RW-02	12/4/2008	3759 29	59 22	--	3700 07	6 92	1527	17 78	2 07	-94 8	860	< 0 48	289	779
RW-02(d)	12/4/2008	3759 29	59 22	--	3700.07	6.92	1527	17 78	2 07	-94 8	849	< 4.8	266	741
RW-02	1/29/2009	3759 29	59 25	--	3700 04	--	--	--	--	--	--	--	--	--
RW-02	2/24/2009	3759.29	59 12	--	3700 17	6 86	1513	19 42	1 03	-68 4	1,200	< 0 48	397	1,160
RW-02(d)	2/24/2009	3759 29	59 12	--	3700.17	6.86	1513	19 42	1 03	-68 4	1,130	< 4 8	360	1,080
RW-02	6/23/2009	3759 29	59 32	--	3699 97	6 80	170	20 70	2 34	-93.0	1,140	< 2 0	405	1,530
RW-02	9/3/2009	3759.29	59.54	--	3699 75	6.65	170	19 72	1 84	-133.0	962	< 2 0	417	1,830
RW-02	11/18/2009	3759.29	59 61	--	3699.68	6.92	1420	19 17	--	--	715 a	< 2 0	303 a	846 a
RW-02	3/24/2010	3759 29	59 78	--	3699.51	7 02	1425	20 39	--	--	512	< 2.0	208	647
RW-03	1/10/2008	3759 46	59 48	--	3699 98					LNAPL present				
RW-03	2/7/2008	3759 46	59 46	--	3700.00					LNAPL present				
RW-03	3/3/2008	3759 46	60.10	0.75	3699.97					LNAPL present				
RW-03	6/2/2008	3759 46	60 36	1.20	3700 07					LNAPL present				
RW-03	9/15/2008	3759.46	60.73	1 63	3700.05					LNAPL present				
RW-03	12/3/2008	3759 46	60 73	1 66	3700.07					LNAPL present				
RW-03	1/29/2009	3759 46	61 70	2 80	3700 03					LNAPL present				
RW-03	2/25/2009	3759 46	60 67	1 73	3700 19					LNAPL present				
RW-03	6/24/2009	3759 46	61 52	2 42	3699 90					LNAPL present				
RW-03	9/2/2009	3759 46	61 95	2.82	3699.79					LNAPL present				
RW-03	11/16/2009	3759.46	62 03	2 85	3699 71					LNAPL present				
RW-03	1/14/2010	3759 46	62.23	3.00	3699.54					LNAPL present				
RW-03	2/25/2010	3759.46	62 20	2 96	3699 69					LNAPL present				
RW-03	3/31/2010	3759 46	62 24	2 94	3699 60					LNAPL present				
NMOCD Cleanup Levels											10	750	750	620

Table 1. Groundwater Analytical Results - Apex Compressor Station, Lea County, New Mexico

Well ID	Date	TOC (ft msl)	DTW (ft bgs)	LNAPL Thickness (ft)	GWE (ft msl)	pH s.u.	Conductivity µS/cm	Temperature °C	DO mg/l	ORP mV	Benzene	Toluene	Ethyl-benzene	Total Xylenes
											← Concentrations in µg/l →			
RW-04	1/10/2008	3759 59	62 01	2.93	3699 95					LNAPL present				
RW-04	2/7/2008	3759.59	61 55	2 51	3700 07					LNAPL present				
RW-04	3/3/2008	3759 59	61 75	2 56	3699 91					LNAPL present				
RW-04	6/2/2008	3759 59	61 64	2.83	3700.24					LNAPL present				
RW-04	9/15/2008	3759 59	61 76	2 88	3700.16					LNAPL present				
RW-04	12/3/2008	3759.59	61.68	2 80	3700 18					LNAPL present				
RW-04	1/29/2009	3759 59	61.70	2 80	3700.16					LNAPL present				
RW-04	2/25/2009	3759 59	61.46	2 70	3700 32					LNAPL present				
RW-04	6/24/2009	3759 59	61 96	2 98	3700.04					LNAPL present				
RW-04	9/2/2009	3759 59	62 23	3.07	3699.85					LNAPL present				
RW-04	11/16/2009	3759 59	62 30	3.07	3699.78					LNAPL present				
RW-04	1/14/2010	3759.59	62 40	3 11	3699.71					LNAPL present				
RW-04	2/25/2010	3759.59	62.43	3.13	3699.70					LNAPL present				
RW-04	3/31/2010	3759.59	62.40	3 06	3699.67					LNAPL present				
RW-05	1/10/2008	3759 53	59 84	--	3699 69	--	--	--	--	--	--	--	--	--
RW-05	2/7/2008	3759.53	59 74	--	3699 79	--	--	--	--	--	--	--	--	--
RW-05	3/5/2008	3759 53	59 73	--	3699 80	6.84	1238	18 23	2 34	-213.9	4,800	7,200	1,400	10,000
RW-05	6/3/2008	3759 53	59 65	--	3699.88	6.81	1644	22 10	0 91	-213.6	5,000	2,310	817	4,910
RW-05	9/17/2008	3759 53	59 74	--	3699 79	6.42	1791	20.63	0.04	-75.1	5,040	3,620	874	5,840
RW-05	12/4/2008	3759.53	59 76	--	3699.77	6.87	1689	18.31	0 61	-132.7	3,790	638	653	4,090
RW-05	1/29/2009	3759 53	59.75	--	3699.78	--	--	--	--	--	--	--	--	--
RW-05	2/25/2009	3759.53	59.70	--	3699.83	6.86	1972	19.52	1 09	-14 3	5,030	934	722	4,840
RW-05	6/24/2009	3759 53	59 83	--	3699 70	6 70	230	20.80	4.54	-88 0	5,030	5,400	696	4,450
RW-05	9/3/2009	3759 53	60 04	--	3699 49	6 63	270	21 06	1 89	-134 0	4,880	5,490	570	3,800
RW-05	11/18/2009	3759 53	60.16	--	3699.37	6.94	2540	18 00	--	--	5,740	149 J	693	4,030
RW-05	3/24/2010	3759 53	60 35	--	3699.18	6 95	2780	19.28	--	--	5,140	795	558	3,610
RW-06	1/10/2008	3758 44	58.78	--	3699.66	--	--	--	--	--	--	--	--	--
RW-06	3/5/2008	3758 44	59 67	--	3698.77	6 91	1217	17 81	3 47	-146.1	14,000	10,000	3,200	18,000
RW-06	6/2/2008	3758.44	51 69	--	3706 75	6 80	1601	21.23	1.36	-182.0	3,930	3,660	1,090	7,200
RW-06	9/17/2008	3758 44	59 68	--	3698 76	6 39	1664	19 84	0 25	-68 2	3,860	3,870	981	5,980
RW-06	12/4/2008	3758 44	59.65	--	3698 79	6 90	1594	17.93	1 21	-161 8	2,890	555	715	3,970
RW-06	1/29/2009	3758.44	59 70	--	3698 74	--	--	--	--	--	--	--	--	--
RW-06	2/25/2009	3758.44	59.61	--	3698 83	6.82	1753	19.79	0.86	-30.7	3,460	435	786	4,830
RW-06	6/24/2009	3758.44	59 77	--	3698 67	6 70	200	20 80	2 13	-81 0	3,360	1,760	809	5,470
RW-06	9/3/2009	3758 44	59 97	--	3698.47	6 67	230	20 82	2 13	-124 0	2,890	1,140	683	4,780
RW-06	11/18/2009	3758 44	60 03	--	3698 41	6.95	2020	17 67	--	--	2,590	<200	756	4,280
RW-06	3/24/2010	3758 44	60 17	--	3698.27	7 01	2150	21.56	--	--	1,650	172	576	3,100
RW-07	1/10/2008	3759.53	60 08	--	3699 45	--	--	--	--	--	--	--	--	--
RW-07	2/7/2008	3759 53	59 93	--	3699.60	--	--	--	--	--	--	--	--	--
RW-07	3/5/2008	3759.53	59 99	--	3699.54	6.88	1131	17 76	3 88	-113.1	1,800	< 100	280	1,300
RW-07	6/3/2008	3759 53	59 87	--	3699 66	6.85	1459	21.24	1 32	-159 8	2,230	1 1 J	334	1,290
RW-07	9/17/2008	3759 53	59 94	--	3699 59	6 61	1623	20 04	0 52	-76.9	3,160	< 24	478	2,570
RW-07	12/4/2008	3759.53	59 95	--	3699 58	6.93	1593	17.74	1.14	-78.4	3,300	< 24	439	2,000
RW-07	1/29/2009	3759 53	63 00	--	3696 53	--	--	--	--	--	--	--	--	--
RW-07	2/25/2009	3759.53	59.83	--	3699.70	6.88	1695	19.68	0.92	-47.4	3,930	< 24	424	2,120
RW-07	6/24/2009	3759.53	60.03	--	3699 50	6 60	220	21 04	4 06	-92.0	3,860	< 2 0	489	2,510
RW-07	9/3/2009	3759 53	60.23	--	3699.30	6 63	240	20 90	2 09	-155 0	3,530	< 200	403	1,950
RW-07	11/18/2009	3759.53	60 29	--	3699 24	7.24	1601	20 50	--	--	2,310	<200	265	925
RW-07	3/24/2010	3759.53	60.45	--	3699 08	7.14	1798	20.78	--	--	1,900	<200	316	607
NMOCD Cleanup Levels											10	750	750	620

Table 1. Groundwater Analytical Results - Apex Compressor Station, Lea County, New Mexico

Well ID	Date	TOC	DTW	LNAPL Thickness	GWE	pH	Conductivity	Temperature	DO	ORP	Benzene	Toluene	Ethyl-benzene	Total Xylenes
		(ft msl)	(ft bgs)	(ft)	(ft msl)	s.u.	µS/cm	°C	mg/l	mV	← Concentrations in µg/l →			
RW-08	1/10/2008	3759.51	60.33	--	3699.18	--	--	--	--	--	--	--	--	--
RW-08	2/7/2008	3759.51	60 19	--	3699.32	--	--	--	--	--	--	--	--	--
RW-08	3/4/2008	3759.51	60 23	--	3699.28	6.74	1215	17 99	2 42	-127 1	1,700	< 5,000	< 1,000	6,000
RW-08	6/3/2008	3759.51	60.12	--	3699 39	7.05	1405	21 77	1.32	-110 0	3,470	< 9 7	751	4,000
RW-08	9/17/2008	3759.51	60 25	--	3699 26	6.50	1307	19.87	0.88	-60.5	2,210	< 4.0	488	3,450
RW-08	12/4/2008	3759 51	60 23	--	3699 28	7.05	1201	17 94	1 87	-61.1	3,240	< 9.7	567	2,950
RW-08	1/29/2009	3759.51	60 20	--	3699 31	--	--	--	--	--	--	--	--	--
RW-08	2/25/2009	3759 51	60 09	--	3699 42	6 98	1279	19 86	1 23	-33 8	768	< 9 7	727	2,480
RW-08	6/24/2009	3759 51	60.32	--	3699 19	6 40	140	20 60	2 13	-76.0	1,960	< 50	534	3,330
RW-08	9/2/2009	3759 51	60 44	--	3699.07	6.91	150	20 94	1.87	-129 0	1,620	< 50	506	3,530
RW-08	11/18/2009	3759 51	60 55	--	3698 96	7.28	1432	20.06	--	--	3,920 a	1.3 J	604 a	1,550 a
RW-08	3/24/2010	3759.51	60.65	--	3698 86	7.26	1525	20.56	--	--	4,250	<50	714	3,650
RW-09	1/10/2008	3754 40	61 29	--	3693 11	--	--	--	--	--	--	--	--	--
RW-09	2/7/2008	3754 40	61 14	--	3693 26	--	--	--	--	--	--	--	--	--
RW-09	3/4/2008	3754 40	61 25	--	3693 15	6 79	110	17.67	5.21	91.4	24	< 5 0	< 1.0	11.0
RW-09	6/3/2008	3754 40	61.08	--	3693.32	6 93	1183	20 12	2 52	89 7	30.1	< 0 48	< 0 45	8.9
RW-09	9/16/2008	3754.40	61.31	--	3693.09	6.20	1238	19 73	0 72	1 8	18 9	< 0 48	1 5 J	17.1
RW-09	12/3/2008	3754 40	61 25	--	3693 15	6.91	1133	18 59	1.29	94 3	16.5	< 0 48	< 0 45	< 1.4
RW-09	1/29/2009	3754 40	62 15	--	3692 25	--	--	--	--	--	--	--	--	--
RW-09	2/24/2009	3754 40	61 04	--	3693 36	7 04	1096	19 31	2.43	207 4	< 0 46	< 0 48	< 0.45	< 1.4
RW-09	6/23/2009	3754.40	61 16	--	3693 24	7 10	110	20 80	8.83	228.0	< 2.0	< 2.0	< 2.0	< 6.0
RW-09	9/2/2009	3754.40	61.35	--	3693.05	6.92	130	20.82	4 29	86 0	< 2 0	< 2 0	< 2 0	< 6 0
RW-09	11/18/2009	3754 40	61 42	--	3692 98	7 09	1270	16 28	--	--	< 2 0	< 2 0	< 2 0	< 6 0
RW-09	3/24/2010	3754 40	61 45	--	3692 95	7.16	1280	21.56	--	--	< 2 0	< 2.0	< 2 0	2.9
RW-10	1/10/2008	3754 53	61 33	--	3693 20	--	--	--	--	--	--	--	--	--
RW-10	2/7/2008	3754 53	61.19	--	3693.34	--	--	--	--	--	--	--	--	--
RW-10	3/4/2008	3754.53	61.29	--	3693.24	6.96	967	16.38	7 83	169 9	< 1 0	< 5 0	< 1.0	< 3.0
RW-10	6/3/2008	3754 53	61 14	--	3693 39	7 09	1023	20.01	7.07	132 8	< 0 46	< 0 48	0.65 J	< 1.4
RW-10	9/16/2008	3754 53	61 35	--	3693 18	7 01	1082	19 51	4 77	83 0	< 0 46	< 0 48	< 0 45	3 8 J
RW-10	12/3/2008	3754 53	61 30	--	3693.23	7.22	962	18.64	6 55	98 5	< 0 46	< 0 48	< 0.45	< 1.4
RW-10	1/29/2009	3754 53	61 20	--	3693.33	--	--	--	--	--	--	--	--	--
RW-10	2/24/2009	3754 53	61 10	--	3693 43	7 12	1079	19.20	5 83	218 9	< 0 46	< 0 48	< 0.45	< 1 4
RW-10	6/23/2009	3754 53	61 22	--	3693 31	7.30	100	20 50	9 99	227 0	< 2 0	< 2.0	< 2.0	< 6 0
RW-10	9/2/2009	3754.53	61.40	--	3693 13	7.22	120	20.51	7.98	126.0	< 2.0	< 2 0	< 2.0	< 6.0
RW-10	11/18/2009	3754 53	61 45	--	3693.08	7.46	1343	17 28	--	--	< 2.0	< 2 0	< 2.0	< 6.0
RW-10	3/24/2010	3754.53	61 52	--	3693 01	7.33	1276	19 67	--	--	< 2.0	< 2 0	< 2 0	< 6.0
NMOCD Cleanup Levels											10	750	750	620

Table 1. Groundwater Analytical Results - Apex Compressor Station, Lea County, New Mexico

Well ID	Date	TOC (ft msl)	DTW (ft bgs)	LNAPL Thickness (ft)	GWE (ft msl)	pH s u	Conductivity µS/cm	Temperature °C	DO mg/l	ORP mV	Benzene	Toluene	Ethyl-benzene	Total Xylenes
											← Concentrations in µg/l →			
RW-11	1/10/2008	3754 61	61 32	--	3693.29	--	--	--	--	--	--	--	--	--
RW-11	2/7/2008	3754 61	61 27	--	3693 34	--	--	--	--	--	--	--	--	--
RW-11	3/4/2008	3754.61	61.28	--	3693 33	6.88	832	16 95	8 66	179 1	< 1 0	< 5 0	< 1 0	< 3.0
RW-11	6/3/2008	3754 61	61 45	--	3693.16	6 89	909	20 43	6 89	148.7	< 0 46	< 0 48	< 0.45	< 1 4
RW-11	9/16/2008	3754 61	61.35	--	3693 26	6.98	910	19 22	4 11	72 4	< 0.46	< 0 48	< 0 45	< 1.4
RW-11	12/3/2008	3754.61	61 33	--	3693.28	7.12	879	18.41	5 49	80.6	< 0 46	< 0.48	< 0.45	< 1 4
RW-11	1/29/2009	3754.61	61 25	--	3693.36	--	--	--	--	--	--	--	--	--
RW-11	2/24/2009	3754.61	61.14	--	3693 47	7.19	876	19 18	5 46	220 6	< 0.46	< 0.48	< 0.45	< 1.4
RW-11	6/23/2009	3754 61	61.23	--	3693 38	7 40	780	20 20	10 95	227 0	< 2 0	< 2 0	< 2 0	< 6 0
RW-11	9/2/2009	3754 61	61 42	--	3693.19	7.31	100	20 92	7 86	133 0	< 2 0	< 2 0	< 2.0	< 6 0
RW-11	11/18/2009	3754.61	61 49	--	3693 12	7.43	1034	15 67	--	--	< 2 0	< 2 0	< 2 0	< 6 0
RW-11	3/24/2010	3754 61	61.51	--	3693 10	<7.34	1024	20 06	--	--	< 2.0	< 2 0	< 2 0	< 6.0
RW-12	1/10/2008	3754 76	61.44	--	3693 32	--	--	--	--	--	--	--	--	--
RW-12	2/7/2008	3754 76	61 35	--	3693 41	--	--	--	--	--	--	--	--	--
RW-12	3/4/2008	3754.76	61 40	--	3693 36	7.09	577	16 53	10.49	157 9	< 1.0	< 5 0	< 1 0	< 3 0
RW-12	6/3/2008	3754 76	61.29	--	3693 47	7.25	672	19 64	6.52	157 2	< 0 46	< 0 48	< 0 45	< 1.4
RW-12	9/16/2008	3754 76	61 47	--	3693 29	7.12	666	19 12	4.91	63.7	< 0 46	< 0 48	< 0 45	< 1.4
RW-12	12/3/2008	3754.76	61 40	--	3693 36	7.29	650	18 59	6.51	56.4	< 0 46	< 0.48	< 0 45	< 1.4
RW-12	1/29/2009	3754.76	61.35	--	3693 41	--	--	--	--	--	--	--	--	--
RW-12	2/24/2009	3754.76	61 24	--	3693.52	7.33	665	18 86	6.15	215 7	< 0 46	< 0 48	< 0 45	< 1.4
RW-12	6/23/2009	3754 76	61 35	--	3693 41	7.30	730	20 20	9.46	226.0	< 2 0	< 2 0	< 2.0	< 6.0
RW-12	9/2/2009	3754 76	61 54	--	3693 22	7.36	820	20 76	7.64	146 0	< 2.0	< 2 0	< 2.0	< 6 0
RW-12	11/18/2009	3754.76	61.61	--	3693 15	7 52	807	15 67	--	--	< 2 0	< 2 0	< 2 0	< 6 0
RW-12	3/24/2010	3754 76	61 62	--	3693.14	7.39	820	18.78	--	--	< 2.0	< 2 0	< 2.0	< 6.0
NMOCD Cleanup Levels											10	750	750	620

Notes and Abbreviations:
ID = Identification
TOC = Top of casing
DTW = Depth to water
LNAPL = Light non-aqueous phase liquids
GWE = Groundwater elevation
* = A specific gravity for LNAPL of 0 81 was used to calculate corrected groundwater elevation
DO = Dissolved oxygen
ORP = Oxidation reduction potential
BTEX = Benzene, toluene, ethylbenzene, and total xylenes by SW-846 8021 or 8260B
ft msl = Feet above mean sea level
ft bgs = Feet below ground surface
ft = Feet
s u = Standard unit
µS/cm = Microsiemens per centimeter
°C = Degrees Celcius
mg/l = Milligrams per liter
mV = Millivolts
µg/l = micrograms per liter
-- = Not measured/not analyzed
<x = Not detected above x µg/l
d = Duplicate sample
a = Result from the second run
J = An estimated value
NMOCD = New Mexico Oil Conservation Division

CONESTOGA-ROVERS & ASSOCIATES

Table 2. **LNAPL Recovery Table** - Apex Compressor Station, Lea County, New Mexico

Well ID	Date	DTW (ft bgs)	Depth to LNAPL (ft msl)	LNAPL Thickness feet	LNAPL Removed gallons
MW-01	1/26/2005	59.43	54.39	5.04	—
MW-01	2/24/05	59.94	59.54	0.40	0.25
MW-01	2/25/05	59.78	59.63	0.15	0.10
MW-01	4/28/05	59.96	59.68	0.28	—
MW-01	4/29/05	59.89	59.80	0.09	—
MW-01	5/24/05	59.98	59.74	0.24	—
MW-01	7/27/05	60.12	59.83	0.29	—
MW-01	8/24/05	60.01	59.81	0.20	—
MW-01	10/26/05	60.11	59.89	0.22	1.00
MW-01	12/1/05	60.28	59.70	0.58	1.00
MW-01	1/25/06	60.31	60.11	0.20	—
MW-01	2/15/06	60.28	60.14	0.14	—
MW-01	3/23/06	60.22	60.13	0.09	—
MW-01	5/18/06	60.37	60.27	0.10	—
MW-01	5/17/09	60.37	60.27	0.10	0.50
MW-01	6/15/06	60.44	60.34	0.10	—
MW-01	7/17/06	60.25	60.15	0.10	0.50
MW-01	8/17/06	60.45	60.41	0.04	1.00
MW-01	9/11/06	60.59	60.29	0.30	0.40
MW-01	2/26/07	59.96	59.94	0.02	0.50
MW-01	6/24/09	59.83	59.79	0.04	—
MW-01	9/2/09	60.06	59.99	0.07	—
MW-01	11/16/09	60.17	60.01	0.16	0.02
MW-01	12/15/09	—	—	—	0.25
MW-01	1/14/10	60.20	60.13	0.07	0.01
MW-01	2/25/10	60.19	60.13	0.06	0.01
MW-01	3/31/10	60.25	60.20	0.05	0.01
MW-03	1/26/05	59.29	59.11	0.18	—
MW-03	2/24/05	59.76	59.50	0.26	0.25
MW-03	2/25/05	59.67	59.58	0.09	0.10
MW-03	4/28/05	59.82	59.63	0.19	—
MW-03	4/29/05	59.94	59.89	0.05	—
MW-03	5/24/05	59.81	59.70	0.11	—
MW-03	7/27/05	60.05	59.82	0.23	—
MW-03	8/24/05	59.92	59.73	0.19	—
MW-03	10/26/05	60.09	59.88	0.21	1.00
MW-03	12/1/05	60.19	59.95	0.24	1.00
MW-03	1/25/06	60.22	60.08	0.14	—
MW-03	2/15/06	60.19	60.09	0.10	—
MW-03	3/23/06	60.24	60.20	0.04	—
MW-03	5/16/06	60.32	60.25	0.07	—
MW-03	5/17/06	60.32	60.25	0.07	0.40
MW-03	6/15/06	60.35	60.31	0.04	—
MW-03	7/17/06	60.29	60.26	0.03	0.50
MW-03	8/17/06	60.42	60.36	0.06	0.10
MW-03	9/11/06	60.32	60.27	0.05	0.30
MW-03	10/16/06	60.28	60.27	0.01	—

CONESTOGA-ROVERS & ASSOCIATES

Table 2. **LNAPL Recovery Table** - Apex Compressor Station, Lea County, New Mexico

Well ID	Date	DTW (ft bgs)	Depth to LNAPL (ft msl)	LNAPL Thickness feet	LNAPL Removed gallons
RW-01	8/24/05	59.66	59.31	0.35	—
RW-01	7/27/05	59.90	59.34	0.56	—
RW-01	5/24/05	59.75	59.22	0.53	—
RW-01	4/29/05	59.80	59.14	0.66	—
RW-01	4/28/05	60.08	59.06	1.02	—
RW-01	10/26/05	59.78	59.41	0.37	2.00
RW-01	12/1/05	59.91	59.50	0.41	—
RW-01	1/25/06	59.96	59.66	0.30	—
RW-01	2/15/06	59.88	59.68	0.20	—
RW-01	3/23/06	59.80	59.68	0.12	—
RW-01	5/16/06	59.95	59.82	0.13	—
RW-01	5/17/06	59.95	59.82	0.13	1.00
RW-01	6/15/06	59.96	59.89	0.07	—
RW-01	7/17/06	59.90	59.74	0.16	0.50
RW-01	8/17/06	60.01	59.98	0.03	—
RW-01	9/11/06	59.92	59.83	0.09	1.00
RW-01	11/14/06	59.70	59.66	0.04	—
RW-01	12/11/06	59.83	59.81	0.02	—
RW-01	2/26/07	59.79	59.76	0.03	0.50
RW-01	6/19/06	59.55	59.51	0.04	0.10
RW-03	1/26/05	60.50	59.16	1.34	—
RW-03	2/24/05	59.86	59.34	0.52	0.25
RW-03	2/25/05	59.75	59.54	0.21	0.10
RW-03	4/28/05	59.83	59.48	0.35	—
RW-03	4/29/05	59.89	59.77	0.12	—
RW-03	5/24/05	59.82	59.55	0.27	—
RW-03	7/27/05	59.95	59.68	0.27	—
RW-03	8/24/05	59.85	59.62	0.23	—
RW-03	10/26/05	59.96	59.72	0.24	1.25
RW-03	12/1/05	60.09	59.81	0.28	1.00
RW-03	1/25/06	60.07	59.96	0.11	—
RW-03	2/15/06	60.08	59.98	0.10	—
RW-03	3/23/06	59.99	59.96	0.03	—
RW-03	5/16/06	60.19	60.10	0.09	—
RW-03	5/17/06	60.19	60.10	0.09	0.40
RW-03	6/15/06	60.12	60.07	0.05	—
RW-03	7/17/06	60.02	60.00	0.02	0.25
RW-03	8/17/06	60.25	60.24	0.01	0.10
RW-03	3/3/08	60.10	59.35	0.75	1.50
RW-03	6/2/08	60.36	59.16	1.20	—
RW-03	9/15/08	60.73	59.10	1.63	0.50
RW-03	12/3/08	60.73	59.07	1.66	2.50
RW-03	1/29/09	61.70	58.90	2.80	2.00
RW-03	2/25/09	60.67	58.94	1.73	2.00
RW-03	6/24/09	61.52	59.10	2.42	—
RW-03	9/2/09	61.95	59.13	2.82	—
RW-03	11/16/09	62.03	59.18	2.85	1.25
RW-03	12/15/09	—	—	–	2.00
RW-03	1/14/10	62.23	59.23	3.00	1.00
RW-03	2/25/10	62.20	59.24	2.96	1.00
RW-03	3/31/10	62.24	59.30	2.94	1.50

CONESTOGA-ROVERS & ASSOCIATES

Table 2. **LNAPL Recovery Table** - Apex Compressor Station, Lea County, New Mexico

Well ID	Date	DTW (ft bgs)	Depth to LNAPL (ft msl)	LNAPL Thickness feet	LNAPL Removed gallons
RW-04	1/26/05	59.40	59.19	0.21	—
RW-04	2/24/05	60.16	59.28	0.88	0.50
RW-04	2/25/05	60.18	59.84	0.34	0.25
RW-04	4/28/05	60.53	59.34	1.19	—
RW-04	4/29/05	60.04	59.46	0.58	—
RW-04	5/24/05	60.81	59.29	1.52	—
RW-04	7/27/05	61.44	59.26	2.18	—
RW-04	8/24/05	61.52	59.12	2.40	—
RW-04	10/26/05	61.96	59.12	2.84	4.00
RW-04	12/1/05	62.11	59.22	2.89	2.00
RW-04	1/25/06	62.33	59.29	3.04	7.50
RW-04	2/15/06	61.05	59.24	1.81	—
RW-04	3/23/06	62.30	59.30	3.00	—
RW-04	5/16/06	62.55	59.39	3.16	
RW-04	5/17/06	62.55	59.39	3.16	2.50
RW-04	6/15/06	62.75	59.54	3.21	3.50
RW-04	7/17/06	62.29	59.37	2.92	2.80
RW-04	8/17/06	62.48	59.48	3.00	3.50
RW-04	9/11/06	62.55	59.43	3.12	2.00
RW-04	11/14/06	62.31	59.29	3.02	—
RW-04	12/11/06	62.17	59.24	2.93	—
RW-04	2/26/07	61.06	59.14	1.92	2.70
RW-04	3/28/07	61.98	59.09	2.89	—
RW-04	5/24/07	62.01	60.10	1.91	2.50
RW-04	6/19/07	62.04	59.14	2.90	1.50
RW-04	7/19/07	62.16	59.06	3.10	3.00
RW-04	8/16/07	62.25	59.06	3.19	4.00
RW-04	9/17/07	62.27	59.06	3.21	2.00
RW-04	10/18/07	62.48	59.20	3.28	2.00
RW-04	11/16/07	62.27	59.16	3.11	2.50
RW-04	12/12/07	60.70	59.10	1.60	3.00
RW-04	1/10/08	62.01	59.08	2.93	3.50
RW-04	2/7/08	61.55	59.04	2.51	3.50
RW-04	3/3/08	61.75	59.19	2.56	3.00
RW-04	6/2/08	61.64	58.81	2.83	4.00
RW-04	9/15/08	61.76	58.88	2.88	1.50
RW-04	12/3/08	61.68	58.88	2.80	2.75
RW-04	1/29/09	61.70	58.90	2.80	2.50
RW-04	2/25/09	61.46	58.76	2.70	3.00
RW-04	6/24/09	61.96	58.98	2.98	—
RW-04	9/2/09	62.30	59.23	3.07	—
RW-04	11/16/09	62.30	59.23	3.07	1.25
RW-04	12/15/09	—	—	–	2.00
RW-04	1/14/10	62.40	59.29	3.11	1.75
RW-04	2/25/10	62.43	59.30	3.13	1.50
RW-04	3/31/10	62.40	59.34	3.06	1.25

CONESTOGA-ROVERS & ASSOCIATES

Table 2. **LNAPL Recovery Table** - Apex Compressor Station, Lea County, New Mexico

Well ID	Date	DTW (ft bgs)	Depth to LNAPL (ft msl)	LNAPL Thickness feet	LNAPL Removed gallons
RW-05	1/26/05	59.55	59.40	0.15	—
RW-05	2/24/05	59.90	59.59	0.31	0.25
RW-05	2/25/05	59.96	59.84	0.12	0.10
RW-05	4/28/05	59.99	59.70	0.29	—
RW-05	4/29/05	60.06	59.96	0.10	—
RW-05	5/24/05	60.01	59.77	0.24	—
RW-05	7/27/05	60.21	59.90	0.31	—
RW-05	8/24/05	60.10	59.84	0.26	—
RW-05	10/26/05	60.20	59.95	0.25	1.50
RW-05	12/1/05	60.35	60.03	0.32	1.00
RW-05	1/25/06	60.39	60.15	0.24	—
RW-05	2/15/06	60.32	60.16	0.16	—
RW-05	3/23/06	60.31	60.20	0.11	—
RW-05	5/16/06	60.38	60.32	0.06	—
RW-05	5/17/06	60.38	60.02	0.36	0.50
RW-05	6/15/06	60.46	60.39	0.07	—
RW-05	7/17/06	60.40	60.29	0.11	0.50
RW-05	8/17/06	60.50	60.48	0.02	0.10
RW-06	1/26/05	59.50	59.42	0.08	—
RW-06	2/24/05	59.77	59.60	0.17	0.10
RW-06	2/25/06	59.68	59.62	0.06	0.05
RW-06	4/28/05	59.93	59.71	0.22	—
RW-06	4/29/05	59.98	59.90	0.08	—
RW-06	5/24/05	59.95	59.77	0.18	—
RW-06	7/27/05	60.09	59.88	0.21	—
RW-06	8/24/05	59.94	59.82	0.12	—
RW-06	10/26/05	60.09	59.94	0.15	1.00
RW-06	12/1/05	60.21	60.03	0.18	1.00
RW-06	1/25/06	60.14	60.11	0.03	—
RW-06	2/15/06	60.22	60.15	0.07	—
RW-06	3/23/06	60.22	60.21	0.01	—
RW-06	5/16/06	60.37	60.28	0.09	—
RW-06	5/17/06	60.37	60.28	0.09	0.30
RW-06	6/15/06	60.42	60.39	0.03	
RW-06	7/17/06	60.27	60.26	0.01	0.25
RW-06	8/17/06	60.46	60.41	0.05	0.10

CONESTOGA-ROVERS & ASSOCIATES

Table 2. **LNAPL Recovery Table** - Apex Compressor Station, Lea County, New Mexico

Well ID	Date	DTW (ft bgs)	Depth to LNAPL (ft msl)	LNAPL Thickness feet	LNAPL Removed gallons
RW-08	1/25/06	61.64	60.40	1.24	—
RW-08	2/15/06	60.86	60.58	0.28	—
RW-08	3/23/06	60.70	60.61	0.09	—
RW-08	5/16/06	60.82	60.80	0.02	—
RW-08	5/17/06	60.82	60.80	0.02	0.50
RW-08	6/15/06	60.91	60.84	0.07	—
RW-08	7/17/06	60.80	60.69	0.11	0.50
RW-08	8/17/06	60.90	60.85	0.05	0.20
RW-08	9/11/06	60.89	60.83	0.06	0.30
RW-08	10/16/06	60.82	60.81	0.01	—
RW-08	2/26/07	60.38	60.27	0.11	0.50
RW-08	6/19/07	60.41	60.38	0.03	0.10
			Total LNAPL Recovered		**125.00**

Notes and Abbreviations:

LNAPL = Light non-aqueous phase liquids

ID = Identification

ft bgs = Feet below ground surface

ft msl = Feet above mean sea level

-- = No LNAPL recovered

APPENDIX A

WELL SAMPLING FORMS AND FIELD NOTES

CONESTOGA-ROVERS & ASSOCIATES

Groundwater Monitoring Field Sheet

Well ID	Time Central Time	DTP	DTW	Depth to Bottom	Product Thickness	Amount of Product Removed	Casing Diam.	Comments
MW-10	1305	——	65.87	71.83	——	——	2"	needs vault / upright
RW-11	1312	——	61.51	69.37	——	——	2"	
RW-12	1315	——	61.62	68.63	——	——	2"	
MW-C	1322	——	60.64	67.78	——	——	2"	
RW-10	1329	——	61.52	69.27	——	——	2"	
[redacted] RW-9	1332	——	61.45	66.80	——	——	2"	
MW-5	1338	——	61.81	71.75	——	——	2"	needs vault / upright
[redacted] MW-9	1342	——	63.92	72.95	——	——	2"	needs vault / upright
MW-4	1347	——	61 93	71.98	——	——	2"	needs vault / upright
MW-B	1356	——	59.72	71.05	——	——	2"	
MW-6	1403	——	59.51	67.54	——	——	2"	
MW-2	1410	——	60.20	69.66	——	——	2"	
RW-8	1417	——	60.65	69.02	——	——	2"	

Left by First

Project Name: **APEX COMPRESSOR STATION**

Project Number/Task: **058660-11-02**

Field Staff: Joe Lewandowski / Joe Mireles

Date: 03-24-10

CONESTOGA-ROVERS & ASSOCIATES

Groundwater Monitoring Field Sheet

Well ID	Time	DTP	DTW	Depth to Bottom	Product Thickness	Amount of Product Removed	Casing Diam.	Comments
RW-1	1423	——	59.78	68.19	——	——	2"	
MW-D	1429	——	60.50	71.11	——	——	2"	
RW-2	1435	——	59.78	69.43	——	——	2"	
MW-7	1438	——	63.46	72.23	——	——	2"	needs vault/upright
RW-6	1452	——	60.17	70.76	——	——	2"	
RW-7	1456	——	60.45	69.92	——	——	2"	
RW-5	1458	——	60.35	69.24	——	——	2"	
MW-3	1500	——	60.24	69.51	——	——	2"	
[redacted]	1505	59.30 [redacted]	[redacted]	[redacted]	2.94		2"	Well has product
[redacted]	1508	59.34	62.40	3.06			2"	Well has product
[redacted]	1511	60.20	60.25	——	.05		2"	Well has product

Project Name: **APEX COMPRESSOR STATION**

Project Number/Task: **058660-11-02**

Field Staff: Joe Lewandowski / Joe Mireles

Date: 03-24-10

CONESTOGA-ROVERS
& ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: MW-1
Project Number: 058660	Date:	Well Yield:
Site Address:	Sampling Method: Hand Bailing	Well Diameter
		Field Staff:
Initial Depth to Water:	Total Well Depth:	Water Column Height:
Volume/ft:	1 Casing Volume:	3 Casing Volumes:
Purging Device:	Did Well Dewater?:	Total Gallons Purged:
Start Purge Time:	Stop Purge Time:	Total Time:

1 Casing Volume = Water column height x Volume/ ft.

Well Diam	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Volume Purged (gallons)	Temp. °F	pH	Cond. (uS)	Comments

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method

CONESTOGA-ROVERS & ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: MW-2
Project Number: 058660	Date: 3-30-10	Well Yield: 5.5
Site Address:	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JL , JM
Initial Depth to Water: 60.20	Total Well Depth: 69.66	Water Column Height: 9.46
Volume/ft: .16	1 Casing Volume: 1.51	3 Casing Volumes: 4.54
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 5.5
Start Purge Time: 12 42	Stop Purge Time: 1300	Total Time: 18min

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0 16
4"	0.65
6"	1.47

Time	Volume Purged (gallons)	Temp. (°F)	pH	Cond. (uS)	Comments
12:50	.25	70.8	6.96	824	well is missing a
12:53	.25	69.4	7.04	815	bolt cap, and a
12:55	.25	66.9	7.01	862	corner of the pad

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-2	3-30-10	1300	40ml VOA	HCl	VOC's	8260B

CONESTOGA-ROVERS & ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: MW-3 = DUP 33110
Project Number: 058660	Date: 3-31-10	Well Yield: 5.5
Site Address:	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JL , JM
Initial Depth to Water: 60.24	Total Well Depth: 69.51	Water Column Height: 9.27
Volume/ft: .16	1 Casing Volume: 1.48	3 Casing Volumes: 4.45
Purging Device: Bailer	Did Well Dewater?:	Total Gallons Purged: 5.5
Start Purge Time: 1136	Stop Purge Time: 1155	Total Time: 19 min

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Volume Purged (gallons)	Temp. °F	pH	Cond. mS	Comments
1145	.25	68.0	7.03	2.32	
1147	.25	68.0	7.01	2.34	
1149	.25	68.1	7.08	2.31	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-3	3/31/10	1155	40ml VOA	HCl	VOC's	8260B

CONESTOGA-ROVERS & ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: MW-4
Project Number: 058660	Date: 03-30-10	Well Yield: 5.75
Site Address:	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: J.M. J.L.
Initial Depth to Water: 61.93	Total Well Depth: 71.98	Water Column Height: 10.05
Volume/ft: 0.16	1 Casing Volume: 1.61	3 Casing Volumes: 4.82
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 5.75
Start Purge Time: 1113	Stop Purge Time: 1125	Total Time: 12

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Volume Purged (gallons)	Temp. (°F)	pH	Cond. (uS)	Comments
1119	0.25	70.3	7.06	779	
1121	0.25	68.5	7.10	754	
1123	0.25	66.2	7.08	757	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-4	3-30-10	1125	VOA	HCl	VOC's	BTEX 8260B SW846

CONESTOGA-ROVERS & ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: MW-5
Project Number: 058660	Date: 03-29-10	Well Yield: 5.75
Site Address:	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JL, JM
Initial Depth to Water: 61.81	Total Well Depth: 71.75	Water Column Height: 9.94
Volume/ft: .16	1 Casing Volume: 1.59	3 Casing Volumes: 4.77
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 5.75
Start Purge Time: 1418	Stop Purge Time: 1440	Total Time: 22

1 Casing Volume = Water column height x Volume/ ft.

Well Diam	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Volume Purged (gallons)	Temp. (°F)	pH	Cond. (uS)	Comments
1428	0.25	72.3	7.17	1084	
1431	0.25	69.8	7.13	1079	
1434	0.25	69.0	7.18	1014	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-5	3-29-10	1440	VOA	HCl	VOC's	8260B SW846

CONESTOGA-ROVERS & ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: MW-6
Project Number: 058660	Date: 03-30-10	Well Yield: 4.75
Site Address:	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JL, JM
Initial Depth to Water: 59.51	Total Well Depth: 67.54	Water Column Height: 8.03
Volume/ft: .16	1 Casing Volume: 1.28	3 Casing Volumes: 3.85
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 4.75
Start Purge Time: 1206	Stop Purge Time: 1225	Total Time: 19

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Volume Purged (gallons)	Temp. (~~C~~) °F	pH	Cond. (uS)	Comments
1217	0.25	75.0	7.09	1310	
1220	0.25	68.5	7.06	1300	
1222	0.25	68.9	7.11	1331	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-6	3-30-10	1225	VOA	HCl	VOCs	8260B SW 846

CONESTOGA-ROVERS & ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: MW-7
Project Number: 058660	Date: 3-30-10	Well Yield: 5,25
Site Address:	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JL, JM
Initial Depth to Water: 63.46	Total Well Depth: 72.23	Water Column Height: 8.77
Volume/ft: .16	1 Casing Volume: 1.40	3 Casing Volumes: 4.21
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 5,25
Start Purge Time: 1507	Stop Purge Time: 1525	Total Time: 18

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Volume Purged (gallons)	Temp. °F	pH	Cond. (uS)	Comments
~~1511~~ 1517	0.25	69.8	7.30	1462	
1519	0.25	69.0	7.32	1459	
1521	0.25	68.5	7.33	1465	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-7	3-30-10	1525	VOA	HCl	VOCs	8260B SW 846

CONESTOGA-ROVERS
& ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: MW-9
Project Number: 058660	Date: 03-29-10	Well Yield: 5.25
Site Address:	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JL, JM
Initial Depth to Water: 63.92	Total Well Depth: 72.95	Water Column Height: 9.03
Volume/ft: .16	1 Casing Volume: 1.44	3 Casing Volumes: 4.33
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 5.25
Start Purge Time: 1340	Stop Purge Time: 1400	Total Time: 20

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0 16
4"	0.65
6"	1 47

Time	Volume Purged (gallons)	Temp. (°C)	pH	Cond. (uS)	Comments
1350	.25	70.3	7.28	1348	
1353	.25	68.1	7.33	1323	
1355	.25	67.2	7.36	1241	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-9	3-29-10	1400	40ml VOA	HCl	VOC's	8260B

CONESTOGA-ROVERS & ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: MW-10
Project Number: 058660	Date: 03-26-10	Well Yield: 4
Site Address:	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JL , JM
Initial Depth to Water: 65.87	Total Well Depth: 71.83	Water Column Height: 5.96
Volume/ft: .16	1 Casing Volume: .95	3 Casing Volumes: 2.86
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 4
Start Purge Time: 1200	Stop Purge Time: 1215	Total Time: 15 min

1 Casing Volume = Water column height x Volume/ ft

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Volume Purged (gallons)	Temp. (°F)	pH	Cond. (uS)	Comments
1206	0.25	68.3	7.61	643	
1208	0.25	66.3	7.60	648	
1211	0.25	65.8	7.61	629	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-10	3-26-10	1215	VOA	HCl	VOCs	8260B SW 846

CONESTOGA-ROVERS & ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: MW-B
Project Number: 058660	Date: 03-30-10	Well Yield: 6.5
Site Address:	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JL, JM
Initial Depth to Water: 59.72	Total Well Depth: 71.05	Water Column Height: 11.33
Volume/ft: 0.16	1 Casing Volume: 1.81	3 Casing Volumes: 5.43
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 6.5
Start Purge Time: 1140	Stop Purge Time: 1155	Total Time: 15

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Volume Purged (gallons)	Temp. (°F)	pH	Cond. (uS)	Comments
1145	.25	70.0	6.94	1190	
1148	.25	68.0	7.12	1120	
1150	.25	66.7	7.14	11.05	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-B	3-30-10	1155	VOA	HCl	VOCs	8260B SW 846

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WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: MW-C
Project Number: 058660	Date: 03-29-10	Well Yield: 4.75
Site Address:	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JL, JM
Initial Depth to Water: 60.64	Total Well Depth: 67.78	Water Column Height: 7.17
Volume/ft: .16	1 Casing Volume: 1.14	3 Casing Volumes: 3.42
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 4.75
Start Purge Time: 1240	Stop Purge Time: 1300	Total Time: 20 min

1 Casing Volume = Water column height x Volume/ ft.

Well Diam	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Volume Purged (gallons)	Temp. (°C)	pH	Cond. (uS)	Comments
1248	.25	69.4	7.09	1131	
1250	.25	67.8	7.19	953	
1253	.25	67.1	7.20	970	
1255	.25	67.2	7.11	1019	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-C	3-29-10	1300	40mL VOA	HCl	VOC's	8260B

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CONESTOGA-ROVERS & ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: MW-D
Project Number: 058660	Date: 3-30-10	Well Yield: 6.00
Site Address:	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JL JM
Initial Depth to Water: 60.50	Total Well Depth: 71.11	Water Column Height: 10.61
Volume/ft: .16	1 Casing Volume: 1.70	3 Casing Volumes: 5.10
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 6.00
Start Purge Time: 1407	Stop Purge Time: 1425	Total Time: 18

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Volume Purged (gallons)	Temp. °F	pH	Cond. (uS)	Comments
1416	0.25	71.7	7.09	1312	
1418	0.25	69.2	7.04	1305	
1421	0.25	68.1	7.04	1306	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-D	3-30-10	1425	VOA	HCl	VOCs	8260B SW 846

CONESTOGA-ROVERS & ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: RW-1
Project Number: 058660	Date: 3-30-10	Well Yield: 5
Site Address:	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JL, JM
Initial Depth to Water: 59.78	Total Well Depth: 68.19	Water Column Height: 8.41
Volume/ft: .16	1 Casing Volume: 1.35	3 Casing Volumes: 4.04
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 5
Start Purge Time: 13:37	Stop Purge Time: 1355	Total Time: 18 min

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time Central Time	Volume Purged (gallons)	Temp. °F	pH	Cond. (uS)	Comments
1345	.25	70.8	7.01	1802	
1349	.25	69.6	7.10	1846	
1352	.25	67.2	7.12	1830	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
RW-1	3-30-10	1355	40ml VOA	HCl	VOC's	8260B

CONESTOGA-ROVERS & ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: RW-2
Project Number: 058660	Date: 3-30-10	Well Yield: 5.75
Site Address:	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JL, JM
Initial Depth to Water: 59.78	Total Well Depth: 69.43	Water Column Height: 9.65
Volume/ft: .16	1 Casing Volume: 1.54	3 Casing Volumes: 4.63
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 5.75
Start Purge Time: 1441	Stop Purge Time: 1500	Total Time: ~~59~~ 19 min

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Volume Purged (gallons)	Temp. °F	pH	Cond. (uS)	Comments
1449	.25	72.1	6.94	1501	
1453	.25	69.8	7.05	1508	
1456	.25	68.7	7.02	1425	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
RW-2	3-30-10	1500	40ML VOA	HCl	VOC's	8260B

CONESTOGA-ROVERS
& ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: RW-3
Project Number: 058660	Date:	Well Yield:
Site Address:	Sampling Method: Hand Bailing	Well Diameter
		Field Staff:
Initial Depth to Water:	Total Well Depth:	Water Column Height:
Volume/ft:	1 Casing Volume:	3 Casing Volumes:
Purging Device:	Did Well Dewater?:	Total Gallons Purged:
Start Purge Time:	Stop Purge Time:	Total Time:

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Volume Purged (gallons)	Temp. (°C)	pH	Cond. (uS)	Comments

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method

CONESTOGA-ROVERS
& ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: RW-4
Project Number: 058660	Date:	Well Yield:
Site Address:	Sampling Method: Hand Bailing	Well Diameter
		Field Staff:
Initial Depth to Water:	Total Well Depth:	Water Column Height:
Volume/ft:	1 Casing Volume:	3 Casing Volumes:
Purging Device:	Did Well Dewater?:	Total Gallons Purged:
Start Purge Time:	Stop Purge Time:	Total Time:

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Volume Purged (gallons)	Temp. (°C)	pH	Cond. (uS)	Comments

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method

CONESTOGA-ROVERS
& ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: RW-5
Project Number: 058660	Date: 3-31-10	Well Yield: 5.25
Site Address:	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JM. JL
Initial Depth to Water: 60.35	Total Well Depth: 69.24	Water Column Height: 8.89
Volume/ft: 0.16	1 Casing Volume: 1.42	3 Casing Volumes: 4.27
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 5.25
Start Purge Time: 1108	Stop Purge Time: 1130	Total Time: 22

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Volume Purged (gallons)	Temp. °F	pH	Cond. (µS) mS	Comments
1118	.25	70.3	6.91	2.78	
1121	.25	68.1	6.96	2.77	
1123	.25	66.7	6.95	2.78	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
RW-5	3/31/10	1130	40 mL VOA	HCl	VOC's	8260B

CONESTOGA-ROVERS & ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: RW-6
Project Number: 058660	Date: 3-30-10	Well Yield: 6
Site Address:	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JL, JM
Initial Depth to Water: 60.17	Total Well Depth: 70.76	Water Column Height: 10.59
Volume/ft: .16	1 Casing Volume: 1.69	3 Casing Volumes: 5.08
Purging Device: bailer	Did Well Dewater?: NO	Total Gallons Purged: 6.
Start Purge Time: 1535	Stop Purge Time: 1555	Total Time: 20

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Volume Purged (gallons)	Temp. °F	pH	Cond. mS	Comments
1543	.25	71.4	6.98	2.12	
1546	.25	70.1	7.03	2.14	
1548	.25	70.8	7.01	2.15	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
RW-6	3-30-10	1555	40 mL VOA	HCl	VOC's	8260B

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WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: RW-7
Project Number: 058660	Date: 3/31/10	Well Yield: 5.5
Site Address:	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JL, JM
Initial Depth to Water: 60.45	Total Well Depth: 69.92	Water Column Height: 9.47
Volume/ft: .16	1 Casing Volume: 1.52	3 Casing Volumes: 4.55
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 5.5
Start Purge Time: 1040	Stop Purge Time: 1100	Total Time: 20 min

1 Casing Volume = Water column height x Volume/ ft.

Well Diam	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Volume Purged (gallons)	Temp. °F	pH	Cond. (uS)	Comments
1048	.25	72.3	7.17	1938	
1051	.25	70.1	7.14	1904	
1054	.25	69.4		1798	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
RW-7	3/31/10	1100	40mL VOA	HCl	VOC's	8260 B

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WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: RW-8
Project Number: 058660	Date: 3-30-10	Well Yield: 5.0
Site Address:	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JL, JM
Initial Depth to Water: 60.65	Total Well Depth: 69.02	Water Column Height: 8.37
Volume/ft: 0.16	1 Casing Volume: 1.34	3 Casing Volumes: 4.02
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 5.0
Start Purge Time: 1305	Stop Purge Time: 1375	Total Time: ~~70~~ 80

1 Casing Volume = Water column height x Volume/ ft

Well Diam	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Volume Purged (gallons)	Temp. (~~C~~) °F	pH	Cond. (uS)	Comments
1315	0.25	70.7	7.24	1555	
1320	0.25	70.0	7.22	1502	
1373	0.25	69.0	7.26	1525	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
RW-8	3-30-10	1375	VOA	HCl	VOCs	8260B SW846

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WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: RW-9
Project Number: 058660	Date: 3-29-10	Well Yield: 3.75
Site Address:	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: J.L. J.M.
Initial Depth to Water: 61.45	Total Well Depth: 66.80	Water Column Height: 5.35
Volume/ft: .16	1 Casing Volume: 0.86	3 Casing Volumes: 2.57
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 3.75
Start Purge Time: 1457	Stop Purge Time: 1510	Total Time: ~~53~~ 19 min

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Volume Purged (gallons)	Temp. (°F)	pH	Cond. (uS)	Comments
1500	.25	72.8	7.15	1280	
1502	.25	70.5	7.14	1271	
1505		70.8	7.16	1280	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
RW-9	3-29-10	1510	40 mL VOA	HCl	VOC's	8260B

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WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: RW-10
Project Number: 058660	Date: 3-29-10	Well Yield: 4.75
Site Address:	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: J.L, J.M.
Initial Depth to Water: 61.52	Total Well Depth: 69.27	Water Column Height: 7.75
Volume/ft: 0.16	1 Casing Volume: 1.24	3 Casing Volumes: 3.72
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 4.75
Start Purge Time: 1310	Stop Purge Time: 1330	Total Time: 20

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Volume Purged (gallons)	Temp. (°F)	pH	Cond. (uS)	Comments
1319	0.25	71.2	7.33	1251	
1323	0.25	68.9	7.22	1299	
1326	0.25	67.4	7.33	1276	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
RW-10	3-29-10	1330	VOA	HCl	VOC's	8260B SW846

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WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: RW-11
Project Number: 058660	Date: 03-26-10	Well Yield: 4.75
Site Address:	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JL, JM
Initial Depth to Water: 61.51	Total Well Depth: 69.37	Water Column Height: 7.86
Volume/ft: .16	1 Casing Volume: 1.26	3 Casing Volumes: 3.77
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 4.75
Start Purge Time: 1220	Stop Purge Time: 1245	Total Time: 25

1 Casing Volume = Water column height x Volume/ ft

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Volume Purged (gallons)	Temp. °F	pH	Cond. (uS)	Comments
1233	.25	68.9	7.29	1051	
1236	.25	68.3	7.34	1032	
1239	.25	68.1	7.34	1024	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
RW-11	3-26-10	1245	VOC	HCl	VOCs	8260B SW84 6

4

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WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: RW-12
Project Number: 058660	Date: 3-26-10	Well Yield: 4.25
Site Address:	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: J.M. J.L.
Initial Depth to Water: 61.62	Total Well Depth: 68.63	Water Column Height: 7.01
Volume/ft: 0.16	1 Casing Volume: 1.12	3 Casing Volumes: 3.37
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 4.25
Start Purge Time: 1310	Stop Purge Time: 1330	Total Time: 20

1 Casing Volume = Water column height x Volume/ ft.

Well Diam	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Volume Purged (gallons)	Temp. (°F)	pH	Cond. (uS)	Comments
1320	0.25	~~70.6~~ 70.7	7.40	812	
1323	0.25	66.7	7.33	795	
1328	0.25	65.8	7.39	820	

near miss @ 1324 gusts blows J.M. hard hat into J.L.s head.

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
RW-12	3-26-10	1330	VOA	HCl	VOCs	8260B SW846

Location APEX - Hobbs, NM Date 1-14-10

Project / Client 058660 10CP

O+M wellrepair JP JM

0815 - checked vechile, performed Truck check and filled out truck logs. 121535

0830 head site

1020 arrive site 121638
white drilling already at site
Justin Primera starts site training
white crew already done

1050 TGSM with Joe Blackburn
Harold + Wayland
HASP REVIEW / ~~SSA~~ SSA /
LIFTING / WALKING / SWA / PINCH
POINTS / H_2S / TRAFFIC

1102 - WHITE DRILLING STARTED
WORKING ON MW-6
ALL PERSONAL ARE WEARING
ALL REQUIRED PPE.

Location ____ Date ____

Project / Client ____

1110 - OTHER WORK BEING PREFORMED AROUND WORK AREA. ENSURED ALL WORKERS WERE ~~AWARE~~ AWARE OF EACH OTHER.

1119 - SWA
STOPPED WORK TO REMOVE SOME BAILING WIRE FROM AROUND WORK VAULT INSTALLATION

1121 - RESTARTED WORK

PAD IS 3'x3'
8 BAGS OF QUIKRETE

1136 - FINISH WITH MW-6
WELL PAD REPAIR
GPS CORD. MW-6
N 32°42min 30.8sec W 103°19min 31.5sec

Location ______________ Date 1-14-10

Project / Client ______________

1143 WHITE DRILLING LEFT SITE AT 1143. STARTED O&M

	DTP	DTW	THICK	BAILED PRODUCT	BAILED WATER
MW-1	60.13	60.20	0.07	.0gl	1gal
RW-3	59.23	62.23	3.00	1gal	1gal
RW-4	59.29	62.40	3.11	1.75gal	1gal

1220 - FINISHED BAILING MW-1, RW-3 & RW-4

1222 - STARTED DEMOB AND DECON. TRANSFERRED PRODUCT TO DRUMS @ HOBBS PLANT.

1231 empty buckets in storage area 4 poly drums full ≈ 220 gals

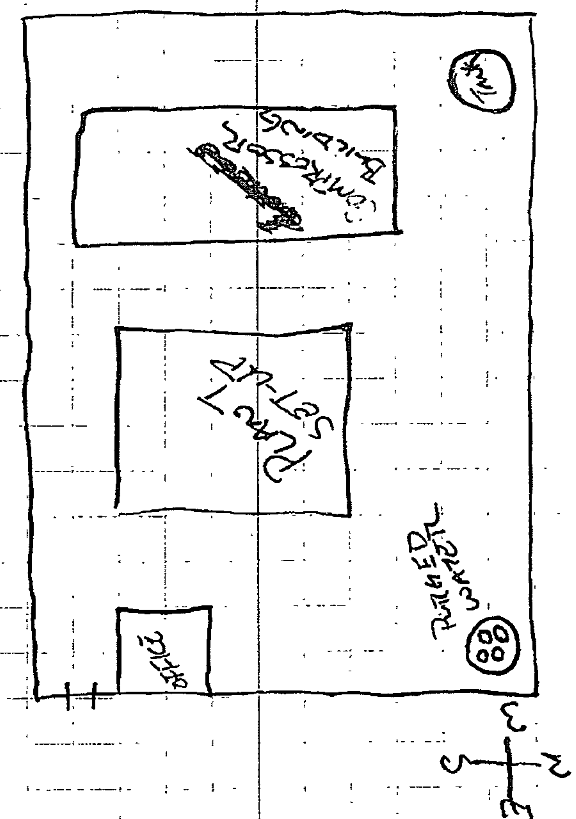
mw-1 Vault needs bolts

1245 head PCA Junction 129639

Location ______________ Date 1-14-10

Project / Client ______________

7 Steel and 1 old Poly at shop



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Groundwater Monitoring Field Sheet

Well ID	Time	DTP	DTW	Depth to Bottom	Product Thickness	Amount of Product Removed	Casing Diam.	Comments
MW-1	1117	60.13	60.19		0.06	0.01 gal	4	Bailed 2.5 gallons of Water
RW-3	1117	59.24	62.20		2.96	1 gal	4	Bailed .5 gal of Water
RW-4	1117	59.30	62.43		3.13	1.5 gal	4	Bailed .5 gal of water

Project Name: Apex Compressor Station Dam

Project Number/Task: 058660 - 11 - 03 - 2010

Field Staff: Joe Mireles

Date: 2-25-2010

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Groundwater Monitoring Field Sheet

Well ID	Time	DTP	DTW	Depth to Bottom	Product Thickness	Amount of Product Removed	Casing Diam.	Comments
RW-3	1200	59.30	62.24	—		1.50	2"	
RW-4	1200	59.34	62.40	—		1.25	2"	
MW-1	1215	60.20	60.25	—		0.05	2"	

Project Name: **Apex Compressor Station**

Project Number/Task: **058860-11-03**

Field Staff: J.M. J.C.

Date: 3-31-10

APPENDIX B

STANDARD OPERATING PROCEDURES FOR GROUNWATER MONITORING AND SAMPLING

CONESTOGA-ROVERS
& ASSOCIATES

STANDARD FIELD PROCEDURES FOR GROUNDWATER MONITORING AND SAMPLING

This document presents standard field methods for groundwater monitoring, purging and sampling, and well development. These procedures are designed to comply with Federal, State and local regulatory guidelines. Conestoga-Rovers & Associates' specific field procedures are summarized below.

Groundwater Monitoring

Prior to performing monitoring activities, the historical monitoring and analytical data of each monitoring well shall be reviewed to determine if any of the wells are likely to contain separate phase hydrocarbons (SPH) and to determine the order in which the wells will be monitored (i.e. cleanest to dirtiest). Groundwater monitoring should not be performed when the potential exists for surface water to enter the well (i.e. flooding during a rainstorm).

Prior to monitoring, each well shall be opened and the well cap removed to allow water levels to stabilize and equilibrate. The condition of the well box and well cap shall be observed and recommended repairs noted. Any surface water that may have entered and flooded the well box should be evacuated prior to removing the well cap. In wells with no history of SPH, the static water level and total well depth shall be measured to the nearest 0.01 foot with an electronic water level meter. Wells with the highest contaminant concentrations shall be monitored last. In wells with a history of SPH, the SPH level/thickness and static water level shall be measured to the nearest 0.01 foot using an electronic interface probe. The water level meter and/or interface probe shall be thoroughly cleaned and decontaminated at the beginning of the monitoring event and between each well. Monitoring equipment shall be washed using soapy water consisting of Liqui-nox™ or Alconox™ followed by one rinse of clean tap water and then two rinses of distilled water.

Groundwater Purging and Sampling

Prior to groundwater purging and sampling, the historical analytical data of each monitoring well shall be reviewed to determine the order in which the wells should be purged and sampled (i.e. cleanest to dirtiest). No purging or groundwater sampling shall be performed on wells with a measurable thickness of SPH or floating SPH globules. If a sheen is observed, the well should be purged and a groundwater sample collected only if no SPH is present. Wells shall be purged either by hand using a disposal or PVC bailer or by using an aboveground pump (e.g. peristaltic or Wattera™) or down-hole pump (e.g. Grundfos™ or DC Purger pump).

Groundwater wells shall be purged approximately three to ten well-casing volumes (depending on the regulatory agency requirements) or until groundwater parameters of temperature, pH, and conductivity have stabilized to within 10% for three consecutive readings. Temperature, pH, and conductivity shall be measured and recorded at the start of purging, once per well casing volume removed, and at the completion of purging. The total volume of groundwater removed shall be recorded along with any other notable physical characteristic such as color and odor. If required, field parameters such as turbidity, dissolved oxygen (DO), and oxidation-reduction potential (ORP) shall be measured prior to collection of each groundwater sample.

Groundwater samples shall be collected after the well has been purged and allowed to recharge to 80% of the pre-purging static water level, or if the well is slow to recharge, after waiting a minimum of 2 hours. Groundwater samples shall be collected using clean disposable bailers or

pumps (if an operating remediation system exists on site and the project manager approves of its use for sampling) and shall be decanted into clean containers supplied by the analytical laboratory. New latex gloves and disposable tubing or bailers shall be used for sampling each well. If a PVC bailer or down-hole pump is used for groundwater purging, it shall be decontaminated before purging each well by using soapy water consisting of Liqui-nox™ or Alconox™ followed by one rinse of clean tap water and then two rinses of distilled water. If a submersible pump with non-dedicated discharge tubing is used for groundwater purging, both the inside and outside of pump and discharge tubing shall be decontaminated as described above.

Sample Handling

Except for samples that will be tested in the field, or that require special handling or preservation, samples shall be stored in coolers chilled to 4° C for shipment to the analytical laboratory. Samples shall be labeled, placed in protective foam sleeves or bubble wrap as needed, stored on crushed ice at or below 4° C, and submitted under chain-of-custody (COC) to the laboratory. The laboratory shall be notified of the sample shipment schedule and arrival time. Samples shall be shipped to the laboratory within a time frame to allow for extraction and analysis to be performed within the standard sample holding times.

Sample labels shall be filled out using indelible ink and must contain the site name; field identification number; the date, time, and location of sample collection; notation of the type of sample; identification of preservatives used; remarks; and the signature of the sampler. Field identification must be sufficient to allow easy cross-reference with the field datasheet.

All samples submitted to the laboratory shall be accompanied by a COC record to ensure adequate documentation. One copy of the COC shall be kept in the QA/QC file and another copy shall be retained in the project file. Information on the COC shall consist of the project name and number; project location; sample numbers; sampler/recorder's signature; date and time of collection of each sample; sample type; analyses requested; name of person receiving the sample; and date of receipt of sample.

Laboratory-supplied trip blanks shall accompany the samples and be analyzed to check for cross-contamination, if requested by the project manager.

Well Development

Wells shall be developed using a combination of groundwater surging and extraction. A surge block shall be used to swab the well and agitate the groundwater in order to dislodge any fine sediment from the sand pack. After approximately ten minutes of swabbing the well, groundwater shall be extracted from the well using a bailer, pump and/or reverse air-lifting through a pipe to remove the sediments from the well. Alternating surging and extraction shall continue until the sediment volume in the groundwater (i.e. turbidity) is negligible, which typically requires extraction of approximately ten well-casing volumes of groundwater. Preliminary well development usually is performed during well installation prior to placing the sanitary surface seal to ensure sand pack stabilization. Well development that is performed after surface seal installation, should occur 72 hours after seal installation to ensure that the cement has had adequate time to set.

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Waste Handling and Disposal

Groundwater extracted during development and sampling shall be stored onsite in sealed U.S. DOT H17 55-gallon drums. Each drum shall be labeled with the contents, date of generation, generator identification and consultant contact. If hydrocarbon concentrations in the purged groundwater are below ADEC cleanup levels or the site is in a remote area (pending ADEC approval) groundwater will be discharged to the ground surface, at least 100 feet from the nearest surface water body.

APPENDIX C

LABORATORY ANALYTICAL REPORT