THIRD 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:

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CONESTOGA-ROVERS
& ASSOCIATES

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1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) is submitting this *Third Quarter 2010 Groundwater Monitoring Report* to DCP Midstream, LP (DCP) for the Apex Compressor Station in Lea County, New Mexico. This report summarizes the third quarter 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 and 65.87 feet below ground surface (ft bgs). Static groundwater depths ranged from 59.23 (MW-06) to 65.71 ft bgs (MW-10) on September 20, 2010. Groundwater flows to the south-southeast with a gradient of 0.015 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 September 20, 2010 and collected samples 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 September 21 and 22, 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 duplicate samples, 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.

LNAPL Recovery

CRA manually removed LNAPL from wells MW-01, RW-03, and RW-04 on July 10, August 26, and September 20, 2010. LNAPL thickness ranged from approximately 0.02 (MW-01) to 2.85 ft (RW-04) during the third quarter 2010. LNAPL recovery is summarized in Table 1.

Purged Groundwater

Purged groundwater was transported to the DCP Linam Ranch facility for disposal. Purged LNAPL was transported to the Hobbs Gas Plant facility for secure storage.

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:

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

Groundwater Sampling Results

No BTEX was detected above NMWQCC standards in wells MW-04, MW-05, MW-09, MW-10, MW-C, and RW-09 through RW-12. The maximum benzene concentration was 6,770 micrograms per liter (µg/l) in sample RW-05. Sample RW-06 contained the maximum concentration of xylenes 4,550 µg/l. Current groundwater analytical results are summarized in Table 2. Historical groundwater analytical results are summarized in Table 3. The laboratory analytical report is presented as Appendix C.

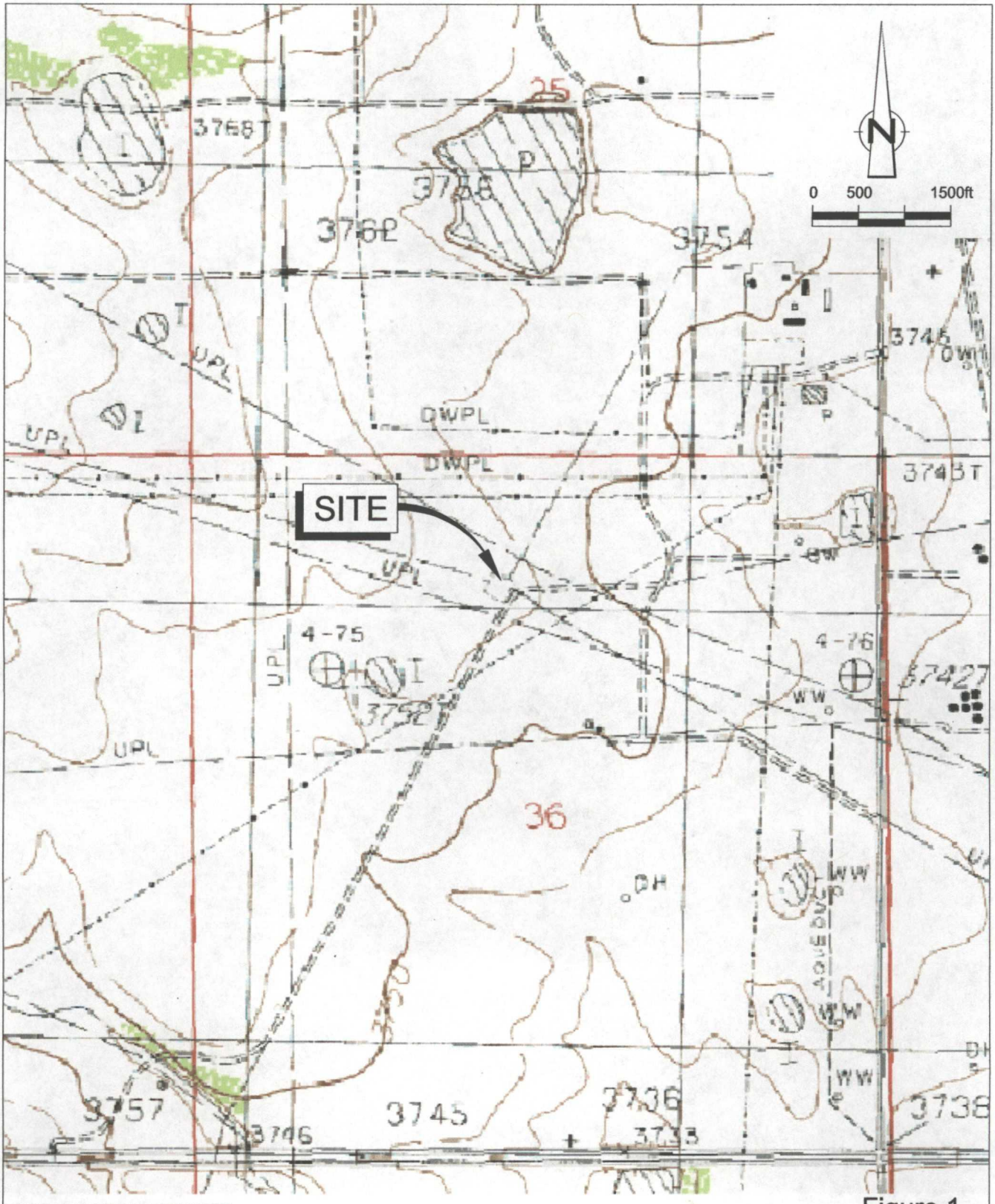
4.0 CONCLUSIONS

Benzene concentrations have been increasing in wells MW-06 and MW-07 since 2009. A 2011 site assessment will assess offsite migration near well MW-07. DCP will continue monthly remedial observation and maintenance and quarterly monitoring and sampling during 2011 to evaluate site groundwater conditions.

FIGURES

FIGURE 1: VICINITY MAP

FIGURE 2: GROUNDWATER CONTOUR MAP

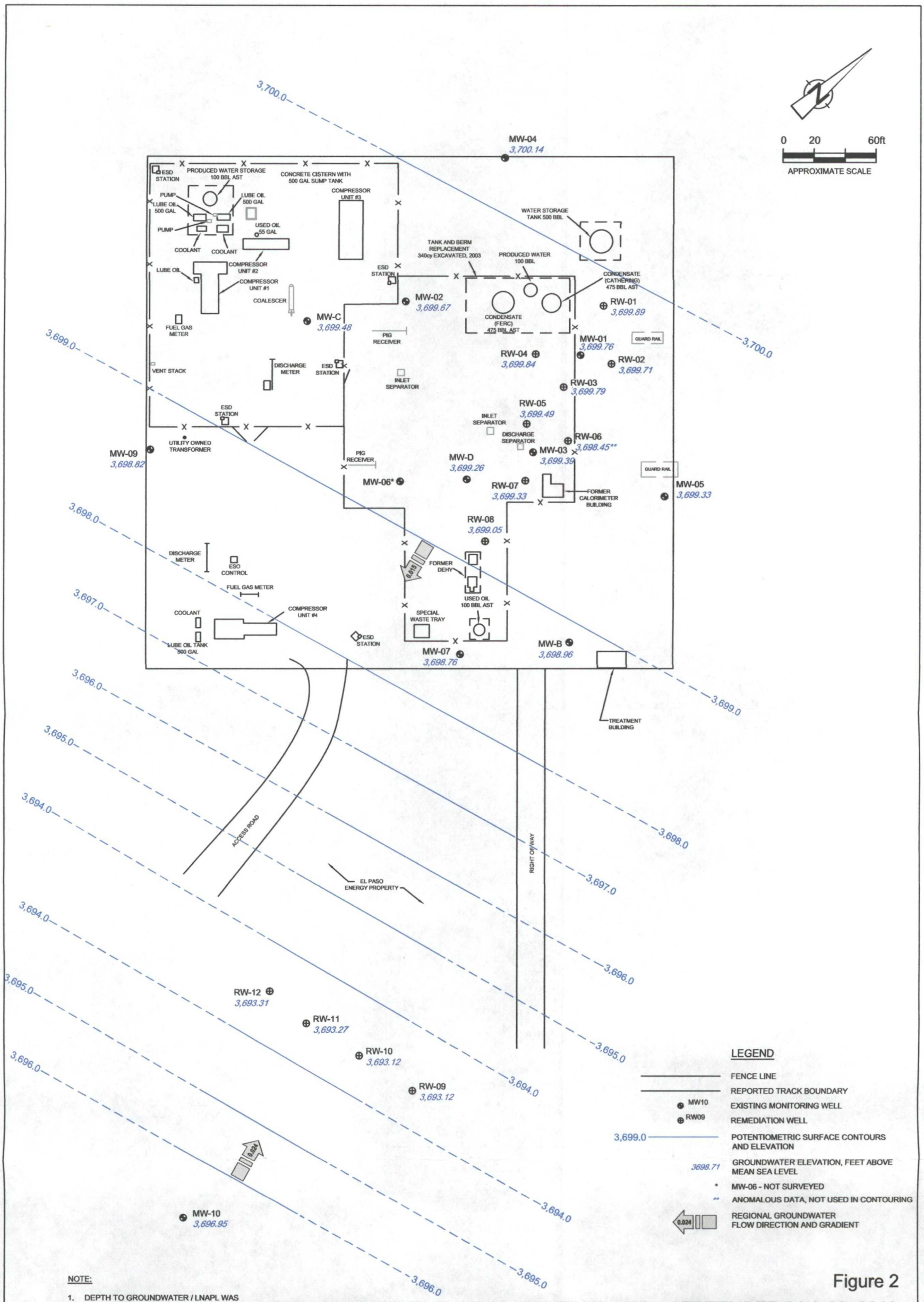


QUAD: USGS MONUMENT NORTH

Figure 1

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

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



NOTE:

1. DEPTH TO GROUNDWATER / LNAPL WAS GAUGED FROM TOP OF CASING.
2. CORRECTED GROUNDWATER ELEVATION IN MW01, RW03, AND RW04 WAS CALCULATED USING AN LNAPL SPECIFIC GRAVITY OF 0.81.

Figure 2

GROUNDWATER ELEVATION CONTOUR MAP - SEPTEMBER 21 & 22, 2010
DCP APEX COMPRESSOR STATION
LEA COUNTY, NEW MEXICO
DCP Midstream

058660-10(011)GN-DN007 DEC 13/2010

TABLES

TABLE 1: LNAPL RECOVERY

TABLE 2: CURRENT GROUNDWATER ANALYTICAL RESULTS

TABLE 3: HISTORICAL GROUNDWATER ANALYTICAL RESULTS

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Table 1. **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	1/26/05	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-01	4/27/10	60.38	60 33	0 05	0 01
MW-01	5/27/10	60 52	60 25	0.27	0.01
MW-01	6/10/10	60.40	60 25	0.15	0.02
MW-01	7/10/10	60 38	60.18	0.20	0 05
MW-01	8/26/10	60.00	59.97	0.03	0 05
MW-01	9/20/10	60 05	59 97	0 08	---

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Well ID	Date	DTW (ft bgs)	Depth to LNAPL (ft msl)	LNAPL Thickness feet	LNAPL Removed gallons
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	---
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

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Table 1. **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-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
RW-03	4/27/10	62 34	59 36	2 98	1 00
RW-03	5/27/10	62 45	59.38	3 07	1.50
RW-03	6/10/10	62.44	59 38	3.06	1.25
RW-03	7/10/10	62 09	59 35	2.74	1.45
RW-03	8/26/10	61.63	59.19	2.44	1.00
RW-03	9/20/10	61 80	59 17	2 63	1.50

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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
RW-04	4/27/10	62.54	59.40	3 14	1.25
RW-04	5/27/10	62.60	59.42	3.18	1.25
RW-04	6/10/10	62 60	59.40	3.20	1.25
RW-04	7/10/10	62 28	59.43	2 85	1.50
RW-04	8/26/10	61.82	59 24	2 58	1 00
RW-04	9/20/10	61.99	59 22	2.77	1.50

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Table 1. **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

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Table 1. **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		**140.59**

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

Table 2. Current Groundwater Analytical Results - DCP Apex Compressor Station, Lea County, New Mexico

Well ID	Date	TOC (ft msl)	DTW (ft bgs)	GWE (ft msl)	Benzene	Toluene	Ethyl -benzene	Total Xylenes
					← Concentrations in µg/l →			
NMWQCC Cleanup Levels					**10**	**750**	**750**	**620**
MW-01	9/21/2010	3759.75	60.05	3699.76	LNAPL present			
MW-02	9/22/2010	3759.67	60.00	3699.67	**29.6**	<0.43	<0.55	<1.7
MW-03	9/22/2010	3759.33	59.94	3699.39	**4,500**	122.0	**834**	**4,360**
MW-04	9/22/2010	3761.94	61.80	3700.14	9.3	<0.43	<0.55	<1.7
MW-05	9/21/2010	3760.97	61.64	3699.33	<0.5/<0.5	<0.43/<0.43	9.6/15.8	68.3/98.9
MW-06	9/22/2010	--	59.28	--	**16.8**	<0.43	<0.55	<1.7
MW-07	9/22/2010	3761.98	63.25	3698.73	**1,790**	<0.43	336	**1,480**
MW-09	9/21/2010	3762.54	63.72	3698.82	<0.5	<0.43	<0.55	<1.7
MW-10	9/21/2010	3762.66	65.71	3696.95	<0.5	<0.43	<0.55	<1.7
MW-B	9/22/2010	3758.52	59.56	3698.96	**30.7**	143	25.9	210
MW-C	9/21/2010	3759.93	60.45	3699.48	<0.5	<0.43	<0.55	<1.7
MW-D	9/22/2010	3759.53	60.27	3699.26	**570**	67.3	191	**726**
RW-01	9/22/2010	3759.49	59.60	3699.89	**1,080**	<0.43	273	**1,000**
RW-02	9/22/2010	3759.29	59.58	3699.71	**765/680 a**	<0.43/<0.43	303/271 a	**1,060/981 a**
RW-03	9/21/2010	3759.46	61.80	3699.79	LNAPL present			
RW-04	9/21/2010	3759.59	61.99	3699.84	LNAPL present			
RW-05	9/22/2010	3759.53	60.04	3699.49	**6,770**	**1,260**	696	**4,270**
RW-06	9/22/2010	3758.44	59.99	3698.45	**2,100**	54.4	**812**	**4,550**
RW-07	9/22/2010	3759.53	60.20	3699.33	**2,800**	<8.7	382	**1,080**
RW-08	9/22/2010	3759.51	60.46	3699.05	**3,000**	<11.0	555	**2,160**
RW-09	9/21/2010	3754.40	61.28	3693.12	<0.5	<0.43	<0.55	<1.7
RW-10	9/21/2010	3754.53	61.32	3693.21	<0.5	<0.43	<0.55	<1.7
RW-11	9/21/2010	3754.61	61.34	3693.27	<0.5	<0.43	<0.55	<1.7
RW-12	9/21/2010	3754.76	61.45	3693.31	<0.5	<0.43	<0.55	<1.7

Notes and Abbreviations:

ID = Identification

TOC = Top of casing

DTW = Depth to water

GWE = Groundwater elevation

DO = Dissolved oxygen

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

µg/l = Micrograms per liter

<x = Not detected above x µg/l

x / y = Sample results / blind duplicate results

a = Result is from run # 2

BOLD = Indicates concentration above the NMOCD Cleanup Levels

-- = Not measured/analyzed

NMWQCC = New Mexico Water Quality Control Commission

Table 3 **Historical Groundwater Analytical Results** - DCP 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			
NMWQCC Cleanup Levels											**10**	**750**	**750**	**620**
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 e5	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	3e99 54					LNAPL present				
MW-01	6/10/2010	3759 75	60 40	0 15	3699 47					LNAPL present				
MW-01	9/21/2010	3759 75	60 05	0.08	3699 76					LNAPL present				
MW-02	1/10/2008	3759 67	59 84	--	3e99 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	--	3e99 47	7 01	862	19 39	--	--	**44.3**	< 2.0	< 2.0	<6 0
MW-02	6/10/2010	3759 67	60 31	--	3699 36	6.86	801	22.78	--	--	**23.4**	< 2.0	< 2.0	2.7 J
MW-02	9/22/2010	3759 67	60.00	--	3699 67	6 64	895.2	19 60	--	--	**29.6**	<0 43	<0 55	<1 7
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**	1,180	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	--	3e99 39	e 61	250	20 9e	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 0b	--	--	**3,850 a**	2.0	b86 a	**1,590 a**
MW-03	6/10/2010	3759 33	60 27	--	3699 06	6 89	1696	24 89	--	--	**3,140**	<400	585	**2,250**
MW-03(d)	6/10/2010	3759 33	60 27	--	3699 06	6.89	1696	24 89	--	--	**3,530 a**	85 3	656 a	**2,820 a**
MW-03	9/22/2010	3759 33	59 94	--	3699 39	6 69	2797	19.8	--	--	**4,500**	122.0	**834**	**4,360**

Table 3. Historical Groundwater Analytical Results - DCP 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			
NMWQCC Cleanup Levels											**10**	**750**	**750**	**620**
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 00	--	--	0.59	< 2.0	< 2 0	<6 0
MW-04	6/10/2010	3761 94	62.10	--	3699 84	7 17	683	22.28	--	--	< 2.0	< 2.0	< 2.0	<6 0
MW-04	9/22/2010	3761 94	61.80	--	3700 14	6 71	797 8	19 6	--	--	9 3	<0.43	<0 55	<1 7
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-05	6/9/2010	3760 97	61.95	--	3699 02	7 02	921	21.39	--	--	< 2 0	< 2 0	24.4	93 4
MW-05	9/21/2010	3760.97	61.64	--	3699 33	6 78	1057	20 00	--	--	<0 5	<0.43	9 6	68 3
MW-05(d)	9/21/2010	3760 97	61 64	--	3699 33	6 78	1057	20 00	--	--	<0 5	<0 43	15 8	98 9
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 50	--	--	**172 a**	< 2 0	< 2.0	< 6 0
MW-0b	6/10/2010	--	59 64	--	--	7 06	1166	22 50	--	--	**182 a**	< 2 0	< 2 0	< 6 0
MW-06	9/22/2010	--	59 28	--	--	6 73	1214	19 70	--	--	**16.8**	<0 43	<0 55	<1.7

Table 3. Historical Groundwater Analytical Results - DCP 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 →			
NMWQCC Cleanup Levels											**10**	**750**	**750**	**620**
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	**1,310**
MW-07	6/10/2010	3761 98	63 55	--	3698 43	7 34	1034	23 50	--	--	**1,880 a**	<2.0	412	**1,290**
MW-07	9/22/2010	3761.98	63 25	--	3698 73	7 16	1406	19 90	--	--	**1,790**	<0.43	336	**1,480**
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-09	6/9/2010	3762 54	64 03	--	3698 51	7 28	1198	22.67	--	--	< 2.0	< 2.0	< 2.0	< 6 0
MW-09	9/21/2010	3762.54	63.72	--	3698 82	6 96	1502	20 2	--	--	<0 5	<0.43	<0.55	<1 7
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
MW-10	6/9/2010	3762 66	66 02	--	3696 64	7 64	583	22 28	--	--	< 2 0	< 2.0	< 2.0	< 6.0
MW-10	9/21/2010	3762.66	65 71	--	3696 95	7 25	667.2	19 9	--	--	<0 5	<0 43	<0 55	<1 7

Table 3. Historical Groundwater Analytical Results - DCP 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			
NMWQCC Cleanup Levels											**10**	**750**	**750**	**620**
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-B	6/10/2010	3758 52	59.90	--	3698 62	7 12	1028	21 67	--	--	**16.8**	70 6	25 7	102
MW-B	9/22/2010	3758 52	59 56	--	3698 96	6 84	1205	19 6	--	--	**30.7**	143	25 9	210
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-C	6/9/2010	3759 93	60 76	--	3699 17	7 01	861	22.68	--	--	< 2.0	< 2 0	< 2.0	< 6 0
MW-C	9/21/2010	3759 93	60 45	--	3699 48	6.72	978 1	20 2	--	--	<0 5	<0.43	<0 55	<1 7
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	**1,920**
MW-D	6/10/2010	3759 53	60 63	--	3698 90	6.99	977	23 89	--	--	**834 a**	73 5	260 a	**1,350 a**
MW-D	9/22/2010	3759 53	60 27	--	3699 26	6 81	1264	19 9	--	--	**570**	67 3	191	**726**

Table 3. Historical Groundwater Analytical Results - DCP 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 →			
NMWQCC Cleanup Levels											**10**	**750**	**750**	**620**
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 0o	--	--	**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	**947**
RW-01	6/10/2010	3759 49	59.90	--	3699.59	7 09	1086	22 67	--	--	**919**	<2.0	253	**821**
RW-01	9/22/2010	3759 49	59 60	--	3699 89	6.78	1719	19 4	--	--	**1,080**	<0 43	273	**1,000**
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-02	6/10/2010	3759 29	59 90	--	3699 39	7 01	1148	22.50	--	--	**491**	< 2.0	216	**661**
RW-02	9/22/2010	3759 29	59 58	--	3699 71	6 81	1552	19 80	--	--	**765**	<0 43	303	**1,060**
RW-02(d)	9/22/2010	3759 29	59 58	--	3699 71	6.81	1552	19 80	--	--	**680 a**	<0 43	271 a	**981 a**
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				
RW-03	6/10/2010	3759 46	62 44	3 06	3699 50					LNAPL present				
RW-03	9/21/2010	3759 46	61 80	2.63	3699 79					LNAPL present				

Table 3. Historical Groundwater Analytical Results - DCP 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 →			
NMWQCC Cleanup Levels											**10**	**750**	**750**	**620**
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-04	6/10/2010	3759.59	62.60	3.20	3699 58					LNAPL present				
RW-04	9/21/2010	3759 59	61 99	2 77	3699 84					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-05	6/10/2010	3759 53	60 40	–	3699 13	6.92	1995	23 00	–	–	**5,690**	488	602	**3,550**
RW-05(d)	6/10/2010	3759 53	60 40	–	3699 13	6 92	1995	23 00	–	–	**5,590**	230	565	**3,200**
RW-05	9/22/2010	3759.53	60 04	–	3699 49	6.71	3480	19.80	–	–	**6,770**	**1,260**	696	**4,270**
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	**736**	**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-06	6/10/2010	3758 44	60 35	–	3698 09	6 91	1417	23 17	–	–	**1,840**	225	598	**3,400**
RW-06	9/22/2010	3758 44	59 99	–	3698 45	6 7	2432	19 7	–	–	**2,100**	54 4	**812**	**4,550**
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**	11 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
RW-07	6/10/2010	3759.53	60 55	–	3698 98	7.01	1348	22 89	–	–	**2,480**	<200	307	**721**
RW-07	9/22/2010	3759 53	60 20	–	3699 33	6 82	2146	19.8			**2,800**	<8.7	382	**1,080**

Table 3. Historical Groundwater Analytical Results - DCP 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 →			
NMWQCC Cleanup Levels											**10**	**750**	**750**	**620**
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-08	6/10/2010	3759.51	60 80	--	3698 71	7 14	1235	22 50	--	--	**2,930**	<50	715	**3,870**
RW-08	9/22/2010	3759 51	60 46	--	3699 05	6 85	1492	19 80			**3,000**	<11 0	555	**2,160**
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-09	6/9/2010	3754 40	61.59	--	3692.81	7.08	1117	22.17	--	--	< 2.0	< 2.0	< 2.0	< 6 0
RW-09	9/21/2010	3754 40	61 28	--	3693 12	6 86	1270	20 1	--	--	<0 5	<0 43	<0 55	<1 7
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	1b9 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
RW-10	6/9/2010	3754 53	61 64	--	3692 89	7 20	1139	22.17	--	--	< 2.0	< 2.0	< 2.0	< 6 0
RW-10	9/21/2010	3754 53	61 32		3693 21	6 98	1188	20 3	--	--	<0 5	<0 43	<0 55	<1 7

Table 3. Historical Groundwater Analytical Results - DCP 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 →			
NMWQCC Cleanup Levels											**10**	**750**	**750**	**620**
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-11	6/9/2010	3754 61	61 64	--	3692 97	7 36	854	22 44	--	--	< 2 0	< 2.0	< 2.0	< 6 0
RW-11	9/21/2010	3754 61	61 34	--	3693.27	6 99	1010	20 1	--	--	<0 5	<0 43	<0 55	<1 7
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
RW-12	6/9/2010	3754 76	61 75	--	3693 01	7.41	702	22.28	--	--	< 2.0	< 2.0	< 2.0	< 6 0
RW-12	9/21/2010	3754 76	61 45	--	3693 31	7 07	820 4	20 3	--	--	<0 5	<0 43	<0 55	<1.7

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
NMWQCC = New Mexico Water Quality Control Commission

\\Den-s1\shar.d\Project Files\0586\058660-APEX\058660-RPT7-3Q 2010 GWMR\not used\[058660-7-T1 xls]Groundwater Analytical Results

APPENDIX A

WELL SAMPLING FORMS AND FIELD NOTES

Location APEX Date 7-2010

Project / Client 058680 / DCP

O+M J.L. J.M.

0819 Checked and loaded truck 12809

1055 arrive Site 2913 and sign in

1100 TGSM, muster pt truck briefing, Area use, traffic precautions levels

1120 STARTED O&M EVENT

WELLS	DTW	DTP	THICK	PRODUCT	WATER
MW-3	59.35	62.09	2.74	1.45	1 gal
MW-4	59.43	62.28	2.85	1.50	1 gal
MW-1	60.18	60.38	.20	0.05	.10 gal

1152 drop water and NAPL into drums at Hobbs C.P.

4 drums full and 1 drum ≈ 3 gals.

1200 head PCA Junction. 2914

Location _____ Date _____

Project / Client _____

Location LNEX Date 8-26-10

Project / Client 258660 LNCP

Joe M OKM

2852 head site 142 132

0945 call Mr. Joslin

1005 arrive site 142239

1007 sign in, TGSM

1114 start opening wells

1125 start gauging.

Well ID	OTP	OTW	Thick	Bailed Product	water
W1	59.97	60.00	0.03	0.05 gal	2.5 gal
W3	59.19	61.63	2.44	1 gal	1 gal
W4	59.24	61.82	2.58	1 gal	2 gal

1135 start decon of probe

1140 start product abatement

~~1140~~ 1140 transfer water and product into holding drums at Hobbs Gas Plant

4 drums full and 1 drum ~ 25 gals

Location Date

Project / Client

1241 sign out

1245 head north site 142240

46

Location APEX Date 8-20-10

Project / Client 058660 DCP

GWS JF/SM

0938- LEFT FOR SITE 8894
1142- ARRIVED ON SITE 8998
1143- SIGNED IN @ FRONT OFFICE
1145- REVIEWED ALL HOAC'S AND SAFETY ITEMS AND CALLED DCP FOR OK'S TO WORK ON SITE.
1200- STARTED WORK'S.
1238- FINISHED GAUGING FOR GWS EVENT 9000
1339- LEFT FOR HOBBS
1419- ARRIVED ON SITE TO COMPLETE OSM 9001
1420- OSM DATA IS ON OSM DATA SHEET.
1459- FINISH WORK'S TODAY
1500- LEFT FOR OFFICE 9002
1:00 arrive office 9106

47

Location APEX Date 8-21-10

Project / Client 058660 DCP

GWS JF/SM

0730- PREP FOR DAY
0754- LEFT FOR SITE 9106
1027 arrive site 9211
1226 start APEX TG-SM, H2S/LEL/WORKHOR, HORT
1230 start sampling APEX
1231- CHECKS OF ALL SAMPLING EQUIPT.
1442- SIGNED OUT AT FRONT OFFICE AND LEFT SITE FOR OFFICE. 9212
1700- ARRIVED at office UNLOADED

9316

Location ALEX Date 9-22-10

Project / Client 058660 IDCP

9.W.I JP JM

0746 Loaded more buckets, rope, gloves, and ice

0748 check truck 9316

0749 Lead Hobbs

1020 arrive site 9420

Sign in

1024 TBSM

1028 start setup for gw sampling

1121 mist gets heavier

1322 finish sampling

1327 sign out 9422 Lead Lingo Ranch

1332 sign in at control building

1342 Dispose of ≈ 118 gals water at sump.

1344 sign out 9424 Lead Midland

1549 arrive office 9533

Start unloading

Location Date

Project / Client

IP-06565

CONESTOGA-ROVERS & ASSOCIATES

Groundwater Monitoring Field Sheet – Sept 2010 LNAPL ABATEMENT

Well ID	Time	DTP	DTW	Depth to Bottom	Product Thickness	Amount of Product Removed	Casing Diam.	Comments
RW-3	1335	59.17	61.80	—	2.63	1.5	2.N	
RW-4	1336	59.22	61.99	—	2.77	1.5	2.N	
MW-1	1337	59.97	60.05	—	0.08	N/A	2.N	

Project Name: **Apex Compressor Station**

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

Field Staff: JP/JM

Date: 20 Sept 10

HERON - 06565
MP-6 Meter - 06578

CONESTOGA-ROVERS & ASSOCIATES

Groundwater Monitoring Field Sheet

Well ID	Time	DTP	DTW	Depth to Bottom	Product Thickness	Amount of Product Removed	Casing Diam.	Comments
MW-10	1200	—	65.71	71.97	—	—	2,2	
RW-11	1204	—	61.34	68.44	—	—	2,2	
RW-12	1208	—	61.45	68.68	—	—	2,2	
MW-C	1211	—	60.45	67.92	—	—	2,2	
RW-10	1215	—	61.32	69.31	—	—	2,2	
MW-9	1220	—	63.72	73.00	—	—	2,2	
MW-5	1224	—	61.64	71.91	—	—	2,2	
RW-9	1229	—	61.28	66.91	—	—	2,2	
MW-4	1233	—	61.80	72.05	—	—	2,2	
MW-B	1244	—	59.56	71.25	—	—	2,2	
MW-6	1251	—	59.28	67.65	—	—	2,2	
MW-2	1257	—	60.00	69.87	—	—	2,2	
RW-8	1301	—	60.46	65.56	—	—	2,2	

Project Name: **APEX COMPRESSOR STATION**

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

Field Staff: JP/JM

Date: 20SEPT2010

HERON IP-08565

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	1309	–	59.60	68.22	–	–	2,n	
MW-D	1314	–	60.27	71.25	–	–	2.2	
RW-2	1319	–	59.58	69.63	–	–	2,n	
MW-7	1321	–	63.25	72.30	–	–	2;n	
RW-6	1325	–	59.99	70.92	–	–	2,n	
RW-7	1329	–	60.20	70.05	–	–	2,n	
RW-5	1330	–	60.04	69.29	–	–	2,n	
MW-3	1333	–	59.94	69.65	–	–	2,n	
RW-3	1335	59.17	61.40	–	2.63	1.5	2,n	Well has product
RW-4	1336	59.22	61.99	–	2.77	1.5	2,n	Well has product
MW-1	1337	59.97	60.05	–	0.08	N/A	2,n	Well has product

Project Name: **APEX COMPRESSOR STATION**

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

Field Staff: JP/JM

Date: 20 SEPT 10

CONESTOGA-ROVERS
& ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: MW-10
Project Number: 058660	Date: 09-21-10	Well Yield: 3.75
Site Address: Hobbs, NM	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JP/SM
Initial Depth to Water: 65.71	Total Well Depth: 71.97	Water Column Height: 6.26
Volume/ft: .16	1 Casing Volume: 1.00	3 Casing Volumes: 3.00
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 3.0
Start Purge Time: 1233	Stop Purge Time: 1237	Total Time: 4

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
1238	0.25	20.9	7.24	667.0	
1239	0.25	20.3	7.26	668.4	
1240	0.25	19.9	7.25	667.2	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-10	9-21	1241	40ml	HCL		

CONESTOGA-ROVERS
& ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: RW-11
Project Number: 058660	Date: 9-21-2010	Well Yield: 4.00
Site Address: Hobbs, NM	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JP/JM
Initial Depth to Water: 61.34	Total Well Depth: 69.44	Water Column Height: 8.10
Volume/ft: .16	1 Casing Volume: 1.29	3 Casing Volumes: 3.88
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 3.88
Start Purge Time: 1248	Stop Purge Time: 1253	Total Time: 5 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
1253	.25	20.8	7.07	976.6	
1254	.25	20.2	7.03	985.8	
1255	.25	20.1	6.99	1010	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
RW-11	9-21-10	1256	40ml	HCL		

CONESTOGA-ROVERS
& ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: RW-12
Project Number: 058660	Date: 9-21-10	Well Yield: 4.10
Site Address: Hobbs, NM	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JP/JM
Initial Depth to Water: 61.45	Total Well Depth: 68.68	Water Column Height: 7.23
Volume/ft: .16	1 Casing Volume: 1.16	3 Casing Volumes: 3.47
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 3.5
Start Purge Time: 1258	Stop Purge Time: 1305	Total Time: 7

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
1306	0.15	20.9	7.03	825.0	
1307	0.20	20.4	7.03	833.0	
1308	0.25	20.3	7.07	820.4	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
RW-12	9-21-10	1309	40ml	HCL		

CONESTOGA-ROVERS
& ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: MW-C
Project Number: 058660	Date: 9-21-10	Well Yield: 4.00
Site Address: Hobbs, NM	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JP/SM
Initial Depth to Water: 60.45	Total Well Depth: 67.92	Water Column Height: 7.47
Volume/ft: .16	1 Casing Volume: 1.20	3 Casing Volumes: 3.59
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 3.5
Start Purge Time: 1317	Stop Purge Time: 1321	Total Time: 4 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
1322	1.10	21.4	6.70	969.5	
1323	2.5	21.1	6.70	963.6	
1324	3.5	20.2	6.72	976.1	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-C	9-21-10	1325	40ml	HCL		

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WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: RW-10
Project Number: 058660	Date: 9-21-10	Well Yield: 4.05
Site Address: Hobbs, NM	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JP/JM
Initial Depth to Water: 61.32	Total Well Depth: 69.31	Water Column Height: 7.99
Volume/ft: .16	1 Casing Volume: 1.28	3 Casing Volumes: 3.84
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 3.84
Start Purge Time: 1330	Stop Purge Time: 1335	Total Time: 5 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
1336	.25	21.3	6.95	1195	
1337	.25	15.9	6.96	1180	
1338	.25	20.3	6.98	1188	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
RW-10	9-21-10	1339	40ml	HCL		

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WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: MW-9
Project Number: 058660	Date: 9-21-10	Well Yield: 5.25
Site Address: Hobbs, NM	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JP/JM
Initial Depth to Water: 65.72	Total Well Depth: 73.00	Water Column Height: 9.28
Volume/ft: .16	1 Casing Volume: 1.48	3 Casing Volumes: 4.45
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 4.5
Start Purge Time: 1343	Stop Purge Time: 1350	Total Time: 7

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
1351	0.25	21.5	6.98	1458	
1352	0.25	20.6	6.96	1475	
1353	0.25	20.2	6.96	1502	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-9	9-21-10 BS	1354	40ml	HCL		

DUP-1

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WELL SAMPLING FORM

DUP-1

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: MW-5
Project Number: 058660	Date: 9-21-10	Well Yield: 5.10
Site Address: Hobbs, NM	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JP/JM
Initial Depth to Water: 61.64	Total Well Depth: 71.91	Water Column Height: 10.27
Volume/ft: .16	1 Casing Volume: 1.64	3 Casing Volumes: 4.93
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 4.93
Start Purge Time: 1403	Stop Purge Time: 1409	Total Time: 6 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
1410	.25	20.8	6.78	1074	
1411	.25	20.1	6.77	1084	DUP
1412	.25	20.0	6.78	1057	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-5	9.21.10	1413	40ml	HCL	DUP-1	

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WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: RW-9
Project Number: 058660	Date: 9-21-10	Well Yield: 5.25
Site Address: Hobbs, NM	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JP/JM
Initial Depth to Water: 61.28	Total Well Depth: 71.91	Water Column Height: 10.63
Volume/ft: .16	1 Casing Volume: 1.70	3 Casing Volumes: 5.10
Purging Device: Bailer	Did Well Dewater?:	Total Gallons Purged: 5.25
Start Purge Time: 1413	Stop Purge Time: 1425	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. (°C)	pH	Cond. (uS)	Comments
1426	0.25	20.9	6.82	1267	
1427	0.25	20.2	6.81	1285	
1428	0.25	20.1	6.86	1270	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
RW-9	9-21-10	1429	40ml	HCL		

CONESTOGA-ROVERS
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WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: MW-4
Project Number: 058660	Date: 9-22-10	Well Yield: 5.00
Site Address: Hobbs, NM	Sampling Method: Hand Bailing	Well Diameter 2in
		Field Staff: JP/JM
Initial Depth to Water: 61.80	Total Well Depth: 72.05	Water Column Height: 10.25
Volume/ft: .16	1 Casing Volume: 1.64	3 Casing Volumes: 4.92
Purging Device: Bailer	Did Well Dewater?: ND	Total Gallons Purged: 4.92
Start Purge Time: 1032	Stop Purge Time: 1039	Total Time: 7 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
1039	.25	20.2	6.66	807.0	
1040	.25	19.8	6.74	804.1	
1041	.25	19.6	6.71	797.8	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-4	9-22-10	1042	40ml	HCL		

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WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: MW-B
Project Number: 058660	Date: 9-22-10	Well Yield: 5.75
Site Address: Hobbs, NM	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JP/JM
Initial Depth to Water: 59.56	Total Well Depth: 71.25	Water Column Height: 11.69
Volume/ft: .16	1 Casing Volume: 1.87	3 Casing Volumes: 5.61
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 5.61
Start Purge Time: 1045	Stop Purge Time: 1053	Total Time: 8min

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
1053	.25	19.7	6.81	1218	
1054	.25	19.6	6.82	1179	
1055	.25	19.6	6.84	1205	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-B	9-22-10	1056	40ml	HCL		

CONESTOGA-ROVERS
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WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: MW-6
Project Number: 058660	Date: 9-22-10	Well Yield: 4.20
Site Address: Hobbs, NM	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JP/JM
Initial Depth to Water: 59.28	Total Well Depth: 67.65	Water Column Height: 8.37
Volume/ft: .16	1 Casing Volume: 1.33	3 Casing Volumes: 4.01
Purging Device: Bailer	Did Well Dewater?: no	Total Gallons Purged: 4.01
Start Purge Time: 1100	Stop Purge Time: 1106	Total Time: 6 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
1106	.25	20.0	6.73	1203	
1107	.25	19.7	6.72	1213	
1108	.25	19.7	6.73	1214	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-6	9-22-10	1109	40ml	HCL		

CONESTOGA-ROVERS & ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: MW-2
Project Number: 058660	Date: 9-22-10	Well Yield: 5.00
Site Address: Hobbs, NM [redacted]	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JP/JM
Initial Depth to Water: 60.00	Total Well Depth: 69.87	Water Column Height: 9.87
Volume/ft: .16	1 Casing Volume: 1.58	3 Casing Volumes: 4.73
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 4.73
Start Purge Time: 1110	Stop Purge Time: 1115	Total Time: 5

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
1116	0.25	19.8	6.62	922.6	
1117	0.25	19.7	6.64	918.1	
1118	0.25	19.6	6.64	895.2	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-2	9-22-10	1119	40ml	HCL		

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WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: RW-8
Project Number: 058660	Date: 9-22-10	Well Yield: 3.00
Site Address: Hobbs, NM	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: SP/SM
Initial Depth to Water: 60.46	Total Well Depth: 65.56	Water Column Height: 5.10
Volume/ft: .16	1 Casing Volume: 0.81	3 Casing Volumes: 2.44
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 2.44
Start Purge Time: 1128	Stop Purge Time: 1131	Total Time: 3 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
1131	.25	19.8	6.84	1502	
1132	.25	19.8	6.84	1510	
1133	.25	19.8	6.85	1492	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
RW-8	9-22-10	1134	40ml	HCL		

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WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: RW-1
Project Number: 058660	Date: 9-22-10	Well Yield: 4.25
Site Address: Hobbs, NM	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JP/JM
Initial Depth to Water: 59.60	Total Well Depth: 68.22	Water Column Height: 8.62
Volume/ft: .16	1 Casing Volume: 1.37	3 Casing Volumes: 4.13
Purging Device: Bailer	Did Well Dewater?: no	Total Gallons Purged: 4.13
Start Purge Time: 1139	Stop Purge Time: 1145	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
1146	.25	19.5	6.84	1796	
1147	.25	19.4	6.79	1739	
1149	.25	19.4	6.78	1719	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
RW-1	9-22-10	1149	40ml	HCL		

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WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: MW-D
Project Number: 058660	Date: 9-22-10	Well Yield: 5.45
Site Address: Hobbs, NM	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JT/JM
Initial Depth to Water: 60.27	Total Well Depth: 71.25	Water Column Height: 10.98
Volume/ft: .16	1 Casing Volume: 1.75	3 Casing Volumes: 5.27
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 5.27
Start Purge Time: 1154	Stop Purge Time: 1202	Total Time: 8min

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
1202	.25	20.0	6.76	1259	
1203	.25	19.9	6.78	1265	
1204	.25	19.9	6.81	1264	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-D	9-22-10	1205	40ml	HCL		

Duplicate -2

Dup-2

CONESTOGA-ROVERS & ASSOCIATES

WELL SAMPLING FORM

Dup-2

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: RW-2
Project Number: 058660	Date: 9-22-10	Well Yield: 5.0
Site Address: Hobbs, NM	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: SP/JM
Initial Depth to Water: 59.58	Total Well Depth: 69.63	Water Column Height: 10.05
Volume/ft: .16	1 Casing Volume: 1.60	3 Casing Volumes: 4.82
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 4.82
Start Purge Time: 1212	Stop Purge Time: 1216	Total Time: 4.0

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
1217	0.25	19.6	~~7.16~~ 6.80	1555	
1218	0.25	19.5	6.81	1571	Dup-2
1219	0.25	19.8	6.81	1552	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
RW-2	9-22-10	1220	40ml	HCl	Dup-2	

CONESTOGA-ROVERS & ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: MW-7
Project Number: 058660	Date: 9-22-10	Well Yield: 4.34
Site Address: Hobbs, NM	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JP/JM
Initial Depth to Water: 63.25	Total Well Depth: 72.30	Water Column Height: 9.05
Volume/ft: .16	1 Casing Volume: 1.44	3 Casing Volumes: 4.34
Purging Device: Bailer	Did Well Dewater?: NO	Total Gallons Purged: 4.34
Start Purge Time: 1223	Stop Purge Time: 1225	Total Time: 5 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
1229	0.25	19.7	6.81	1399	
1230	0.25	19.5	7.18	1466	
1231	0.25	19.6	7.16	1425	
1232	0.25	19.9	7.16	1406	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-7	9-22-10	1233	40ml	HCL		

CONESTOGA-ROVERS & ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: RW-6
Project Number: 058660	Date: 9-22-10	Well Yield: 5.35
Site Address: Hobbs, NM	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JP/JM
Initial Depth to Water: 59.99	Total Well Depth: 70.92	Water Column Height: 10.93
Volume/ft: .16	1 Casing Volume: 1.74	3 Casing Volumes: 5.24
Purging Device: Bailer	Did Well Dewater?:	Total Gallons Purged: 5.24
Start Purge Time: 1240	Stop Purge Time: 1249	Total Time: 9 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
1249	.25	20.0	6.71	2442	
1250	.25	19.9	6.71	2446	
1251	.25	19.7	6.70	2432	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
RW-6	9-22-10	1252	40ml	HCL		

CONESTOGA-ROVERS
& ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: RW-7
Project Number: 058660	Date: 9-22-10	Well Yield: 5.00
Site Address: Hobbs, NM	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JP/JM
Initial Depth to Water: 60.20	Total Well Depth: 70.05	Water Column Height: 9.85
Volume/ft: .16	1 Casing Volume: 1.57	3 Casing Volumes: 4.72
Purging Device: Bailer	Did Well Dewater?:	Total Gallons Purged: 4.72
Start Purge Time: 1242	Stop Purge Time: 1252	Total Time: 10

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
1253	0.25	20.0	6.91	2153	
1254	0.25	20.0	6.81	2154	
1255	0.25	19.8	6.82	2146	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
RW-7	9-22-10	1256	40ml	HCL		

CONESTOGA-ROVERS & ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: RW-5
Project Number: 058660	Date: 9-22-10	Well Yield: 4.75
Site Address: Hobbs, NM	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JP/JM
Initial Depth to Water: 60.04	Total Well Depth: 69.29	Water Column Height: 9.25
Volume/ft: .16	1 Casing Volume: 1.48	3 Casing Volumes: 4.44
Purging Device: Bailer	Did Well Dewater?:	Total Gallons Purged: 4.44
Start Purge Time: 1300	Stop Purge Time: 1310	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
1311	.25	20.2	6.73	3309	
1317	.25	19.8	6.70	3480	
1313	.25	19.8	6.71	3480	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
RW-5	9-22-10	1313	40ml	HCL		

CONESTOGA-ROVERS & ASSOCIATES

WELL SAMPLING FORM

Project Name: **Apex Compressor**	CRA Mgr: John Riggi	Well ID: MW-3
Project Number: 058660	Date: 9-22-10	Well Yield: 4.80
Site Address: Hobbs, NM	Sampling Method: Hand Bailing	Well Diameter 2"
		Field Staff: JP/JM
Initial Depth to Water: 59.94	Total Well Depth: 69.65	Water Column Height: 9.71
Volume/ft: .16	1 Casing Volume: 1.55	3 Casing Volumes: 4.66
Purging Device: Bailer	Did Well Dewater?:	Total Gallons Purged: 4.66
Start Purge Time: 1306	Stop Purge Time: 1312	Total Time: 6 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
1313	2.5	19.9	6.68	2775	
1314	2.5	19.4	6.68	2777	
1315	2.5	19.8	6.69	2797	

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-3	9-22-10	1316	40ml	HCL		

DIDN'T SAMPLE

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

PRODUCTION WELL

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method

DIDNT SAMPLE

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

PRODUCT IN WELL

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method

DIDN'T SAMPLE

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. (°C)	pH	Cond. (uS)	Comments

PRODUCT IN WELL

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method

APPENDIX B

STANDARD OPERATING PROCEDURES FOR GROUNDWATER 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