



**Remediation
Management**

July
~~June~~ 7, 2016

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Mr. Tomás Oberding
New Mexico Oil Conservation
Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RE: 2015 Annual Groundwater Monitoring and Remediation Report
Line NM 1-1, Lea County, New Mexico
NMOCD AP-118

Dear Mr. Oberding:

Enclosed is the 2015 Annual Groundwater Monitoring and Remediation Report for the Phillips 66 Line NM1-1 Site. This report, prepared by GHD, contains the results of groundwater monitoring from January through December 2015.

Please let me know if you have any questions.

Sincerely,

Becky Hesslen

cc: Moshghun Mansoori, GHD



REVIEWED

By OCD Dr Oberding at 12:16 pm, Feb 07, 2017



Annual Groundwater Monitoring and Remediation Report January through December 2015

Line NM 1-1

Lea County, New Mexico

Phillips 66 Company

1755 Wittington Place Suite 500 Dallas Texas 75234
075017 | Report No 9 | July 2016

Table of Contents

1.	Introduction.....	1
2.	Background Information and Site History	1
3.	Sampling Methodology and Analytical Results	2
3.1	Well Gauging	2
3.2	Groundwater Monitoring and Sampling	2
3.3	Groundwater Analytical Results.....	2
4.	Groundwater Remedial Activities	3
5.	Summary and Recommendations.....	5

Figure Index

Figure 1	Site Location Map
Figure 2	Site Plan Map
Figure 3	Groundwater Gradient Map – March 2015
Figure 4	Non-Aqueous Phase Liquid (NAPL) Thickness Contour Map – March 2015
Figure 5	Groundwater Gradient Map – July 2015
Figure 6	Non-Aqueous Phase Liquid (NAPL) Thickness Contour Map – July 2015
Figure 7	Groundwater Analytical Results – BTEX & TPH – March 2015
Figure 8	Groundwater Analytical Results – BTEX & TPH – July 2015

Table Index

Table 1	Water Level Measurements – January through December 2015
Table 2	Historical Water Level Measurements
Table 3	Groundwater Analytical Data – January through December 2015
Table 4	Historical Groundwater Analytical Data - BTEX, TPH-GRO and TPH-DRO
Table 5	Groundwater Analytical Data – Chloride, Total Hardness, Iron and Manganese
Table 6	Historical Groundwater Analytical Data – Metals and PAHs

Appendices

Appendix A	Groundwater Laboratory Analytical Reports –2015
Appendix B	Hydrographs
Appendix C	PIANO Analysis Results

1. Introduction

On behalf of Phillips 66 Company (Phillips 66), GHD Services, Inc. (GHD) is managing environmental and remedial project related activities at the Line NM 1-1 site (Site). The Site is located approximately one mile south of the city of Hobbs in Lea County, New Mexico (Figure 1). The information in this report includes a review of previous Site activities, 2015 semi-annual groundwater sampling data, and monthly NAPL extraction data collected during operation of the NAPL extraction wells at the Site, and results of the alternating operation of hydrocarbon skimmer pumps in wells MW-1, MW-3, MW-4, MW-5, MW-6, MW-7, and MW-8. Semi-annual sampling events are conducted in the 1st quarter and 3rd quarter of each year with an annual report provided in the 2nd quarter of the following year. The report presents the following in detail.

- Background information and Site history
- Groundwater monitoring activities and results
- Groundwater remediation activities
- Summary and recommendations

2. Background Information and Site History

The Site is located approximately one mile south of the City of Hobbs in Lea County, New Mexico (Sec 9, T19S, R38E; Figure 1).

Project activities commenced at the Site in 1999 following the discovery of a release of crude oil from gathering line NM 1-1. Assessment and remedial activities have been conducted at the Site to define and address the crude oil impacts including the installation of a soil and groundwater remediation system. The remediation system installation consists of a crude oil recovery and groundwater extraction system. However, at this time, only crude oil extraction via the operation of skimmer pumps is taking place at the Site.

Figure 2 illustrates the locations of the pipeline release excavation, the existing pipeline corridors, the Site monitor and recovery wells, and the remediation system buildings and crude oil storage tank.

Higgins and Associates, L.L.C. of Centennial, Colorado (H&A) performed the installation of the remediation system, initial startup procedures, system operation and maintenance (O&M), and required Site monitoring activities until September 2003. From 2003 to August 2011 Tetra Tech, Inc., (Tetra Tech) conducted additional investigative and remedial activities at the Site. Four new crude oil recovery wells (RW-1, RW-2, RW-3, and RW-4) were installed between December 2010 and January 2011 by Tetra Tech.

On behalf of Phillips 66, GHD assumed semi-annual groundwater monitoring and remedial oversight duties of the Site in August 2011. Current activities include monthly O&M and collection of NAPL extraction data from wells and semi-annual groundwater sampling events.

3. Sampling Methodology and Analytical Results

GHD performed monthly well gauging and semi-annual groundwater monitoring activities were conducted in March and July for 2015.

3.1 Well Gauging

Monthly well gauging measurements were collected from January to December 2015. An oil/water interface probe was used to measure non-aqueous phase liquid (NAPL) and depths to groundwater in each monitor well. Measurements were collected in an order from clean wells to NAPL impacted monitor wells. The oil/water interface probe was decontaminated with an Alconox®/de-ionized water solution and rinsed with de-ionized water between each well.

The general Site groundwater flow direction is to the east-southeast having an approximate gradient of 0.0030 feet per foot (ft/ft). The March 2015 and July 2015 potentiometric groundwater surface elevation map is presented in Figure 3 and 5, respectively. The March 2015 and July 2015 NAPL thickness contour map is presented in Figure 4 and 6, respectively. Groundwater elevation data and historical water level measurements are presented in Tables 1 and 2, respectively.

3.2 Groundwater Monitoring and Sampling

Groundwater level measurements were recorded from monitor wells to check for presence of NAPL prior to groundwater sample collection. Groundwater samples were collected from monitoring wells IW-2, IW-3, and MW-4 on March 10, 2015 and from IW-2 and IW-3 on July 31, 2015.

Following groundwater monitor well gauging activities, a minimum of three well casing volumes were purged from monitoring wells prior to sampling. Disposable nitrile gloves were worn by sampling personnel and were changed at each well location. Each sample was transferred to laboratory-provided containers that were sealed, labeled, and placed in an ice-cooled chest for storage and transport to Pace Analytical Services, Inc. (Pace) in Lenexa, Kansas. Proper chain of custody documentation was maintained throughout the sampling, storage, and shipping process.

3.3 Groundwater Analytical Results

1st Half 2015 Semi-Annual Event

During the March 10, 2015 sampling event, groundwater samples collected from monitor wells IW-2, IW-3, and MW-4 were submitted to Pace for the analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8260; chloride by Method 300.0A; and Total Petroleum Hydrocarbons (TPH) by EPA 5030B/8015B.

The following results were noted from the March 10, 2015 semi-annual groundwater sampling event:

- BTEX was not detected above the New Mexico Water Quality Control Commission (NMWQCC) standards in monitoring wells IW-2 or IW-3.
- Benzene at MW-4 (0.0191 mg/L) and Ethylbenzene (0.0197 mg/L) exceeded the NMWQCC standard of 0.01 and 0.75 mg/L, respectively.

- TPH-DRO was detected above the laboratory detection limit in monitoring wells IW-2, IW-3 and MW-4. NMWQCC has not established groundwater standards for TPH-DRO.
- TPH-GRO was detected above the laboratory detection limit in monitoring wells MW-4. NMWQCC has not established groundwater standards for TPH-GRO.

2nd Half 2015 Semi-Annual Event

During the July 29, 2015 sampling event, groundwater samples collected from monitor wells IW-2 and IW-3 were submitted to Pace for analyses of BTEX by EPA Method 8260; and TPH by EPA 5030B/8015B. As discussed in the 2013 Annual Report, Chloride, metal and PAH analysis has been discontinued as these are not Site-specific contaminants of concern.

The following results were noted from the July 29, 2015 semi-annual groundwater sampling event:

- TPH-DRO was detected above the laboratory detection limit in monitoring well IW-2. NMWQCC has not established groundwater standards for TPH-GRO.

Analytical results for BTEX, TPH-GRO and TPH-DRO for samples collected in 2015 are presented in Table 3. Historical analytical results for BTEX, TPH-GRO and TPH-DRO are presented in Table 4. Analytical results for chloride, total hardness, iron, and manganese are presented in Table 5. Historical analytical results for metals and PAHs are provided in Table 6. Analytical results were compared to the NMWQCC groundwater quality standards contained in Title 20, Chapter 6, Part 2, Section 3103 of the New Mexico Administrative Code (20.6.2.3103 NMAC¹).

Analytical results for BTEX and TPH for March and July 2015 data are presented in Figure 7 and Figure 8, respectively. The laboratory groundwater analytical report is presented as Appendix A. Hydrographs depicting groundwater elevation and NAPL thickness and concentration vs. time graphs for select site monitor wells are presented in Appendix B.

4. Groundwater Remedial Activities

GHD performed O&M and NAPL recovery activities. Currently, the remediation system is limited to NAPL extraction only, via skimmer pumps operating in 11 wells (MW-1, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, EW-1, RW-1, RW-2, RW-3 and RW-4).

Groundwater Extraction and Hydrocarbon Recovery

Extracted fluids (NAPL and residual groundwater) were pumped from the wells into an on-site 140-barrel (bbl) fluid storage tank. The fluid storage tank is fitted with automated tank gauging and pumping controls. The fluids in the tank are transferred via vacuum truck for disposal and/or recycling. A dedicated flowmeter, installed on the extraction well piping system, gauges the volume of groundwater removed by the extraction wells.

In order to evaluate if MDPE could be utilized at the Site, NAPL samples were collected from monitoring wells MW-8, MW-6, RW-2, RW-3, RW-4, and EW-1 on April 21, 2015. Sample analysis included Gasoline range PIANO² distribution, whole chromatogram, expanded chromatogram, and

¹ New Mexico Water Quality Control Commission
(<http://www.nmcpr.state.nm.us/nmac/parts/title20/20.006.0002.htm>)

² Paraffins, Isoparaffins, Aromatics, Naphthenes and Olefins.

a quantitation report with peak areas (Appendix A). Following results from the PIANO analysis, GHD conducted MDPE events to extract the NAPL in a number of monitoring wells at the Site. The MDPE events were performed using a vacuum pump system and thermal oxidizer for discharge emission treatment.

A brief summary of each event performed in 2015 is provided below. Reports containing results from each of the MDPE events are presented in Appendix C.

Event #1 2015 Mobile Dual Phase Extraction Event (MDPE)

An MDPE event was conducted on April 21, 2015 for a period of 8 hours. A total of 765 gallons (gal) of total fluids including 7 gal (43 lbs) of liquid and vapor NAPL was recovered over the 8 hour period. Prior to the MDPE event, NAPL thickness ranged from 0.77 ft in MW-8 to 5.24 ft in EW-1. Following the completion of MDPE, NAPL was not observed in monitoring wells MW-8, MW-6, RW-3, EW-1, RW-2 and RW-4. The influent hydrocarbon (THC) gas concentration ranged from 15.3 to 12,600 parts per million by volume (ppmv) based on laboratory results.

A report with results from the MDPE event is presented in Appendix C.

Event #2 2015 Mobile Dual Phase Extraction Event (MDPE)

An MDPE event was conducted on April 22, 2015 for a period of 8 hours. A total of 1319 gallons (gal) of total fluids including 12 gal (75 lbs) of liquid and vapor NAPL was recovered over the 8 hour period. Prior to the MDPE event, NAPL thickness ranged from 3.42 ft in RW-4 to 5.56 ft in RW-1. Following the completion of MDPE, NAPL thickness ranged from 0.87 ft. in MW-1 to 1.62 ft. in RW-4. The influent hydrocarbon (THC) gas concentration ranged from 30.0 to 17,400 parts per million by volume (ppmv) based on laboratory results.

A report with results from the MDPE event is presented in Appendix C.

Event #3 2015 Mobile Dual Phase Extraction Event (MDPE)

An MDPE event was conducted on July 7, 2015 for a period of 10 hours. A total of 1706 gallons (gal) of total fluids including 357 gal (2,228 lbs) of liquid and vapor NAPL was recovered over the 10 hour period. Prior to the MDPE event, NAPL thickness ranged from 0.01 ft in MW-4 to 4.59 ft in RW-1. Following the completion of MDPE, NAPL thickness ranged from 0.00 ft. in MW-1, MW-4, RW-1, EW-1, and RW-2 to 3.59 ft. in EW-2. The influent hydrocarbon (THC) gas concentration ranged from 87.8 to 37,700 parts per million by volume (ppmv) based on laboratory results.

A report with results from the MDPE event is presented in Appendix C.

Event #4 2015 Mobile Dual Phase Extraction Event (MDPE)

An MDPE event was conducted on July 8, 2015 for a period of 10 hours. A total of 2,811 gallons (gal) of total fluids including 36 gal (288 lbs) of liquid and vapor NAPL was recovered over the 10 hour period. Prior to the MDPE event, NAPL thickness ranged from 0.00 ft in MW-4 to 3.59 ft in EW-2. Following the completion of MDPE, NAPL thickness ranged from 0.00 ft. in MW-1, MW-4, RW-1, RW-3 and RW-4 to 3.59 ft. in EW-2. The influent hydrocarbon (THC) gas concentration ranged from 33.4 to 22,700 parts per million by volume (ppmv) based on laboratory results.

A report with results from the MDPE event is presented in Appendix C.

5. Summary and Recommendations

Results of the 2015 groundwater sampling event indicate the samples collected from monitor well MW-4 exceeded the NMWQCC standard for benzene and Ethylbenzene.

NAPL continues to be observed in MW-1, MW-6, MW-8, EW-1, EW-2, RW-1, RW-2, RW-3, and RW-4 Site monitor wells. Based on a review of the 2015 Site data, the following recommendations are provided:

- GHD recommends continued semi-annual groundwater monitoring and sampling of the Site monitoring wells.
- GHD recommends performing an MDPE event to recover vapor and liquid phase NAPL at the Site and evaluate the existing skimmer/SVE system at the Site.

Figures



SOURCE: USGS 7.5 MINUTE QUAD
"HOBBS WEST, NEW MEXICO"

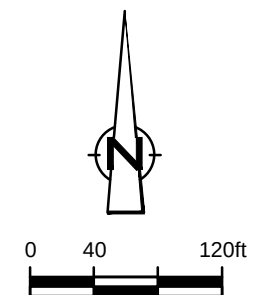
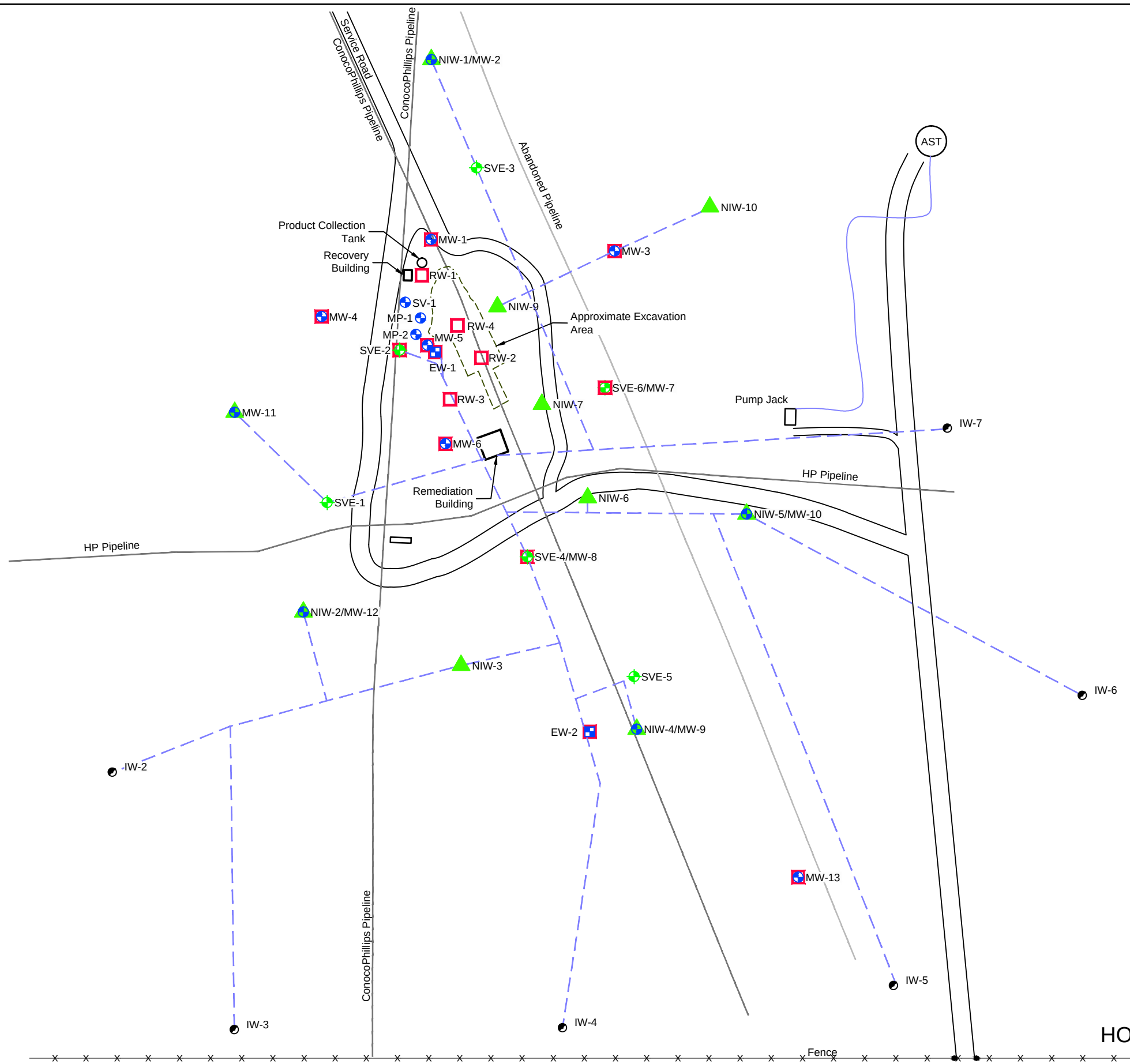
LAT/LONG: 32.6700°NORTH, 103.1570°WEST
COORDINATE: NAD83 DATUM, U.S. FOOT
STATE PLANE ZONE - NEW MEXICO EAST

figure 1

SITE LOCATION MAP
LINE NM 1-1

HOBBS, LEA COUNTY, NEW MEXICO
Phillips 66 Company

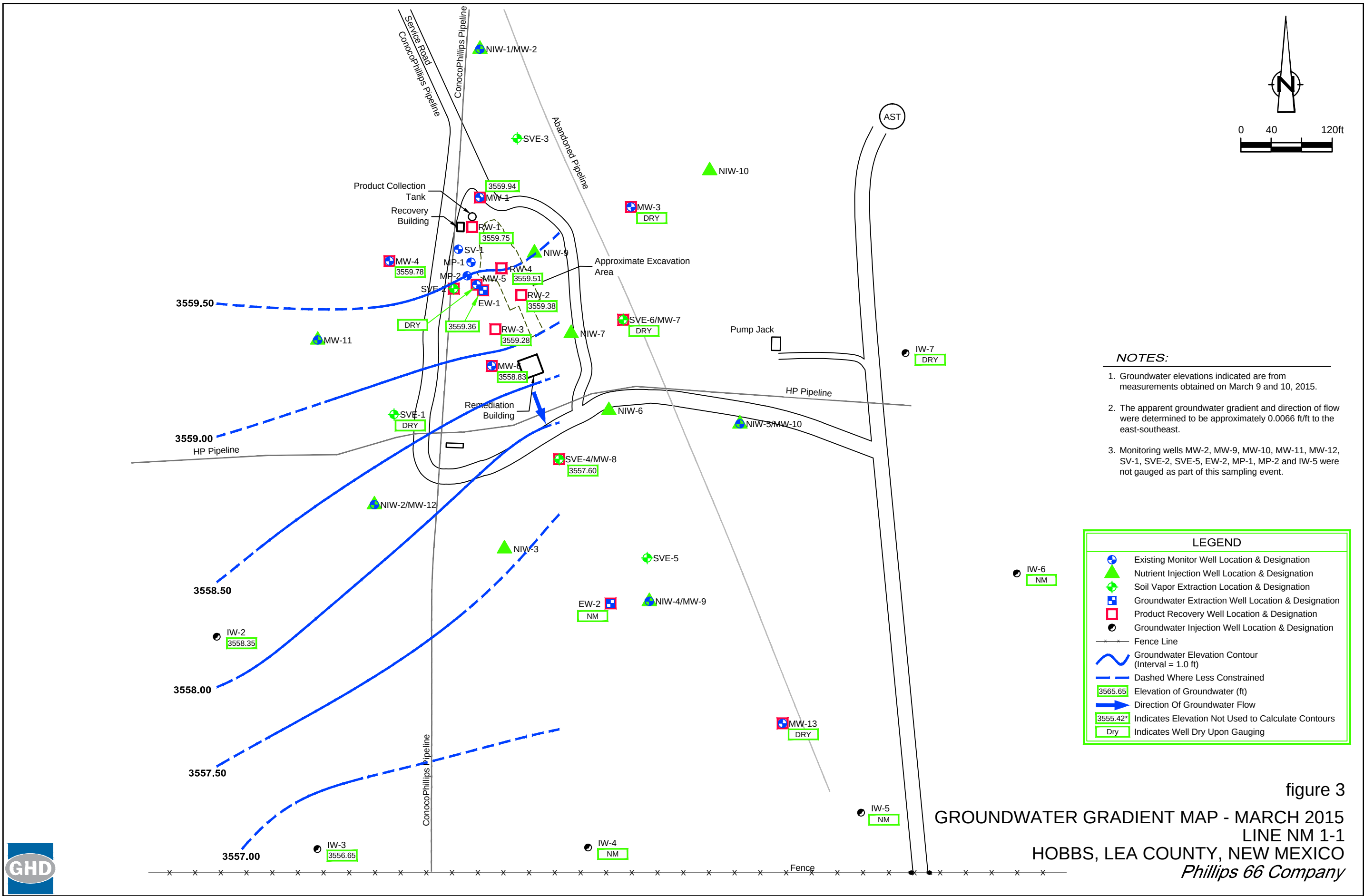


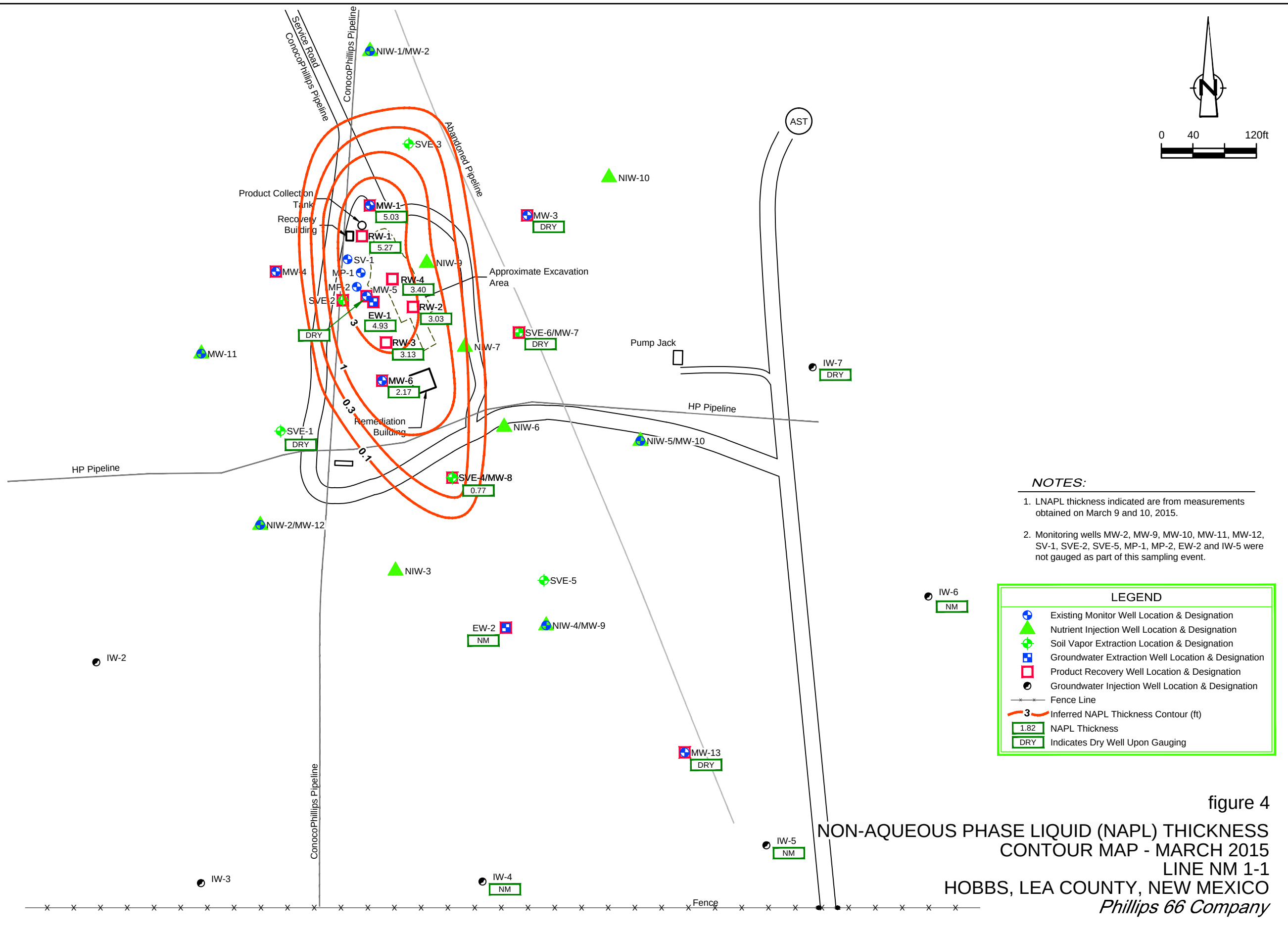


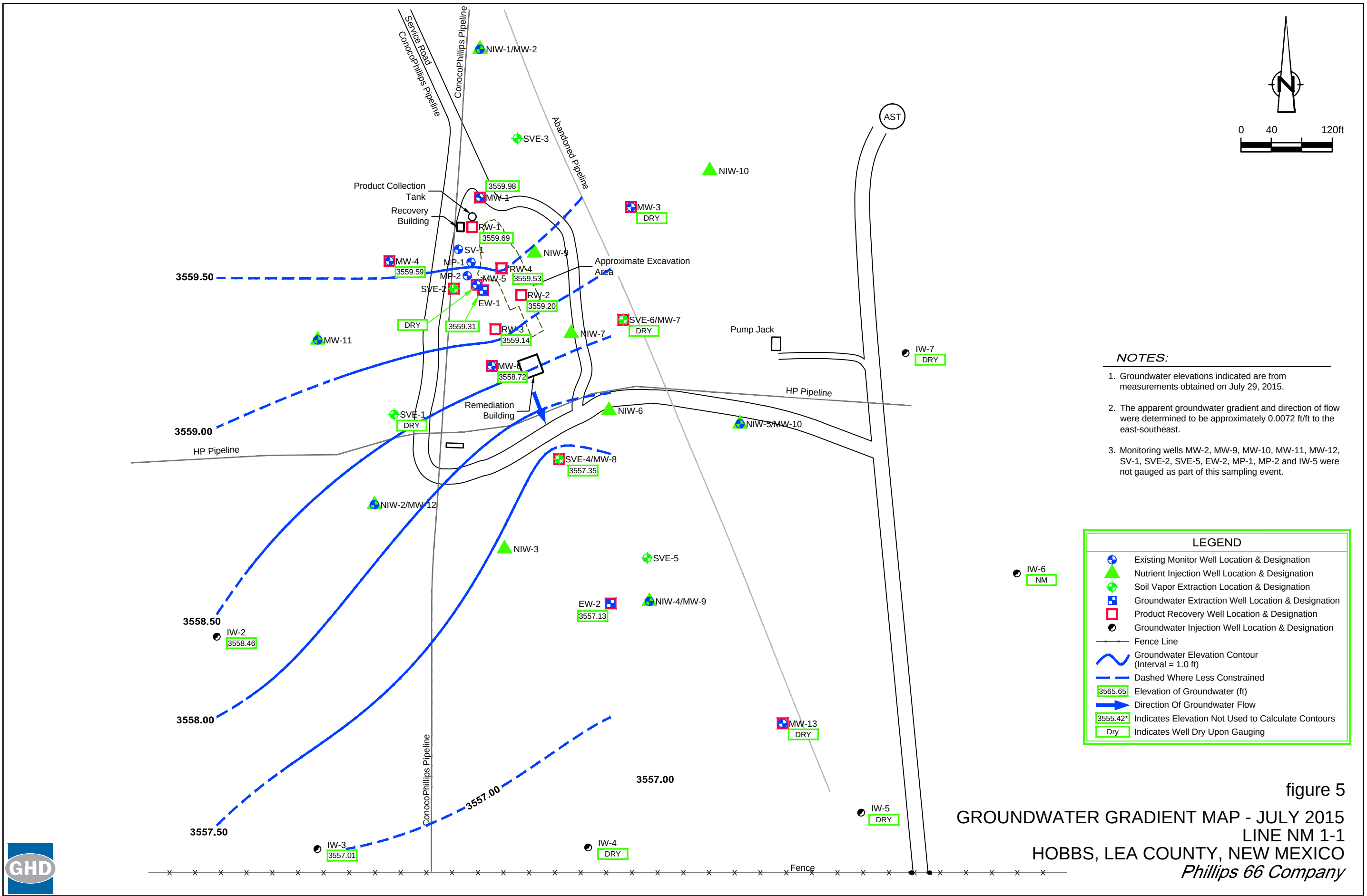
LEGEND	
	Existing Monitor Well Location & Designation
	Nutrient Injection Well Location & Designation
	Soil Vapor Extraction Location & Designation
	Groundwater Extraction Well Location & Designation
	Product Recovery Well Location & Designation
	Groundwater Injection Well Location & Designation
	Alignment of Conveyance Piping Corridor
	Fence Line

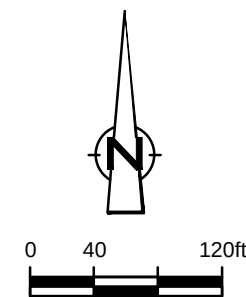
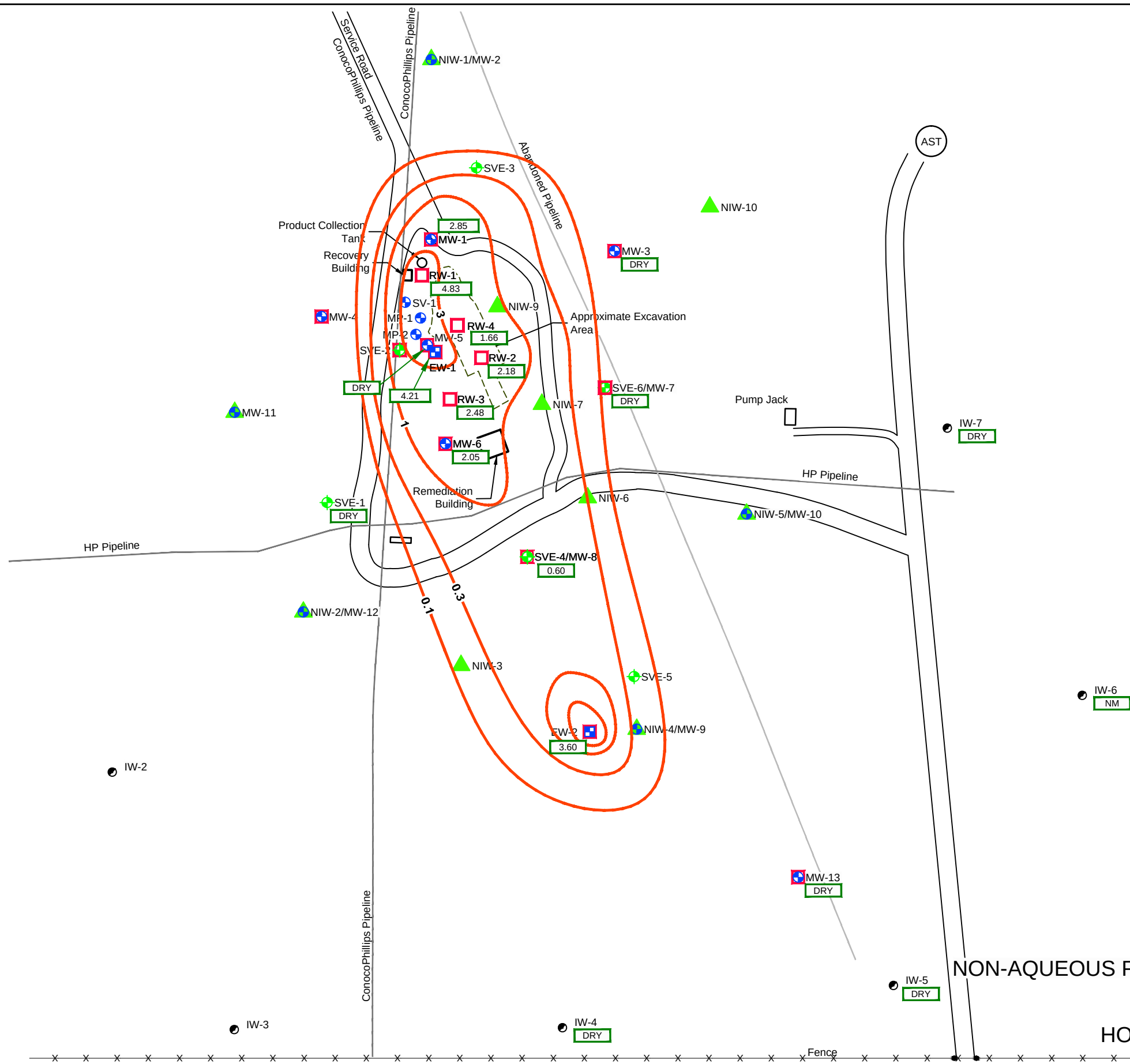
figure 2
 SITE PLAN MAP
 LINE NM 1-1
 HOBBS, LEA COUNTY, NEW MEXICO
Phillips 66 Company











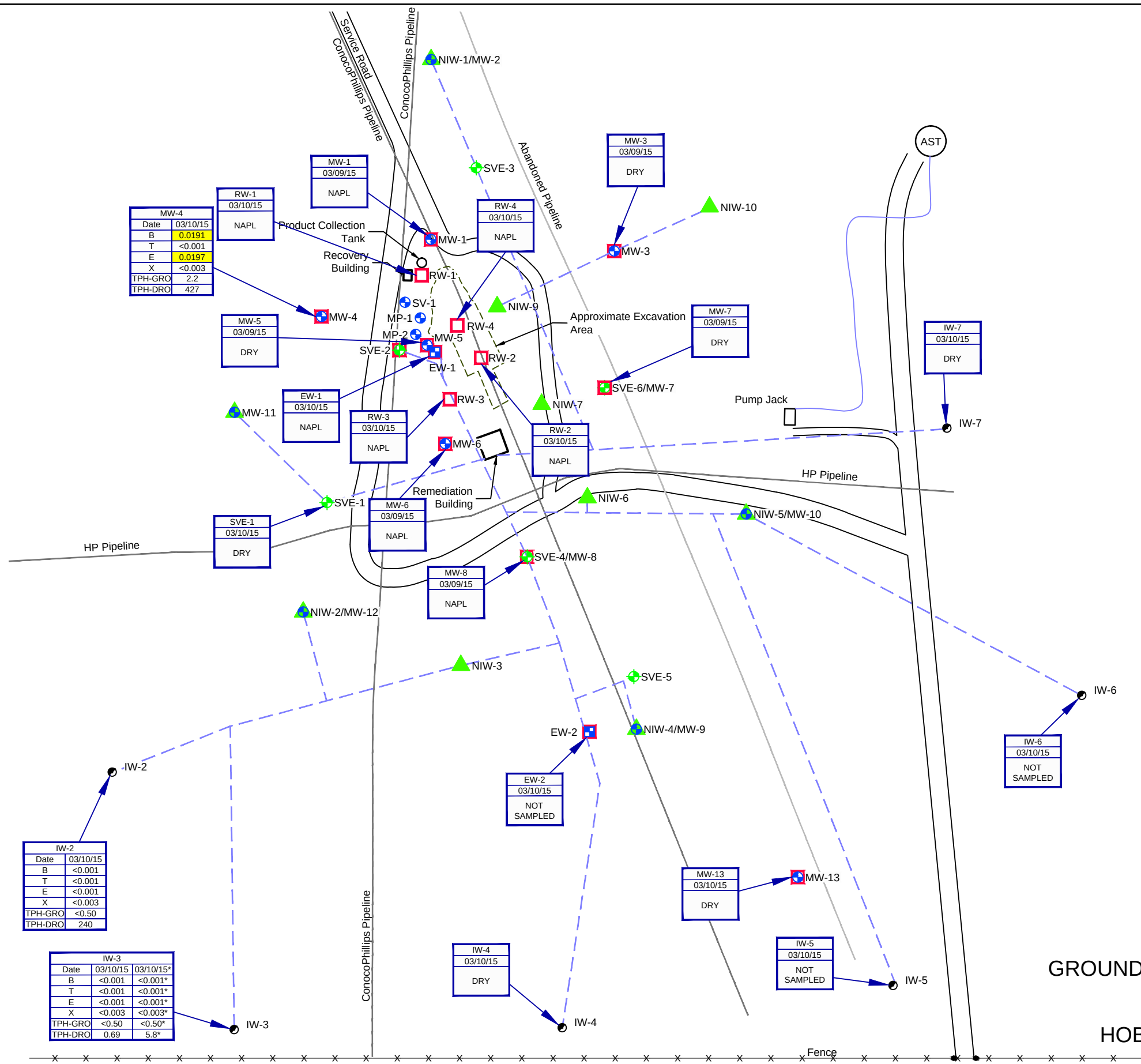
- NOTES:**
1. LNAPL thickness indicated are from measurements obtained on July 29, 2015.
 2. Monitoring wells MW-2, MW-9, MW-10, MW-11, MW-12, SV-1, SVE-2, SVE-5, MP-1, MP-2, EW-2 and IW-5 were not gauged as part of this sampling event.

LEGEND

- Existing Monitor Well Location & Designation
- ▲ Nutrient Injection Well Location & Designation
- ◆ Soil Vapor Extraction Location & Designation
- Groundwater Extraction Well Location & Designation
- Product Recovery Well Location & Designation
- Groundwater Injection Well Location & Designation
- Fence Line
- 3 Inferred NAPL Thickness Contour (ft)
- 1.82 NAPL Thickness
- DRY Indicates Dry Well Upon Gauging

figure 6
**NON-AQUEOUS PHASE LIQUID (NAPL) THICKNESS
 CONTOUR MAP - JULY 2015**
 LINE NM 1-1
 HOBBS, LEA COUNTY, NEW MEXICO
Phillips 66 Company





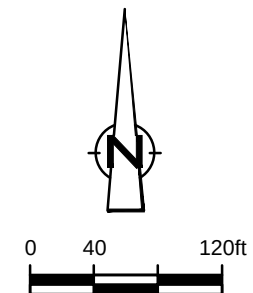
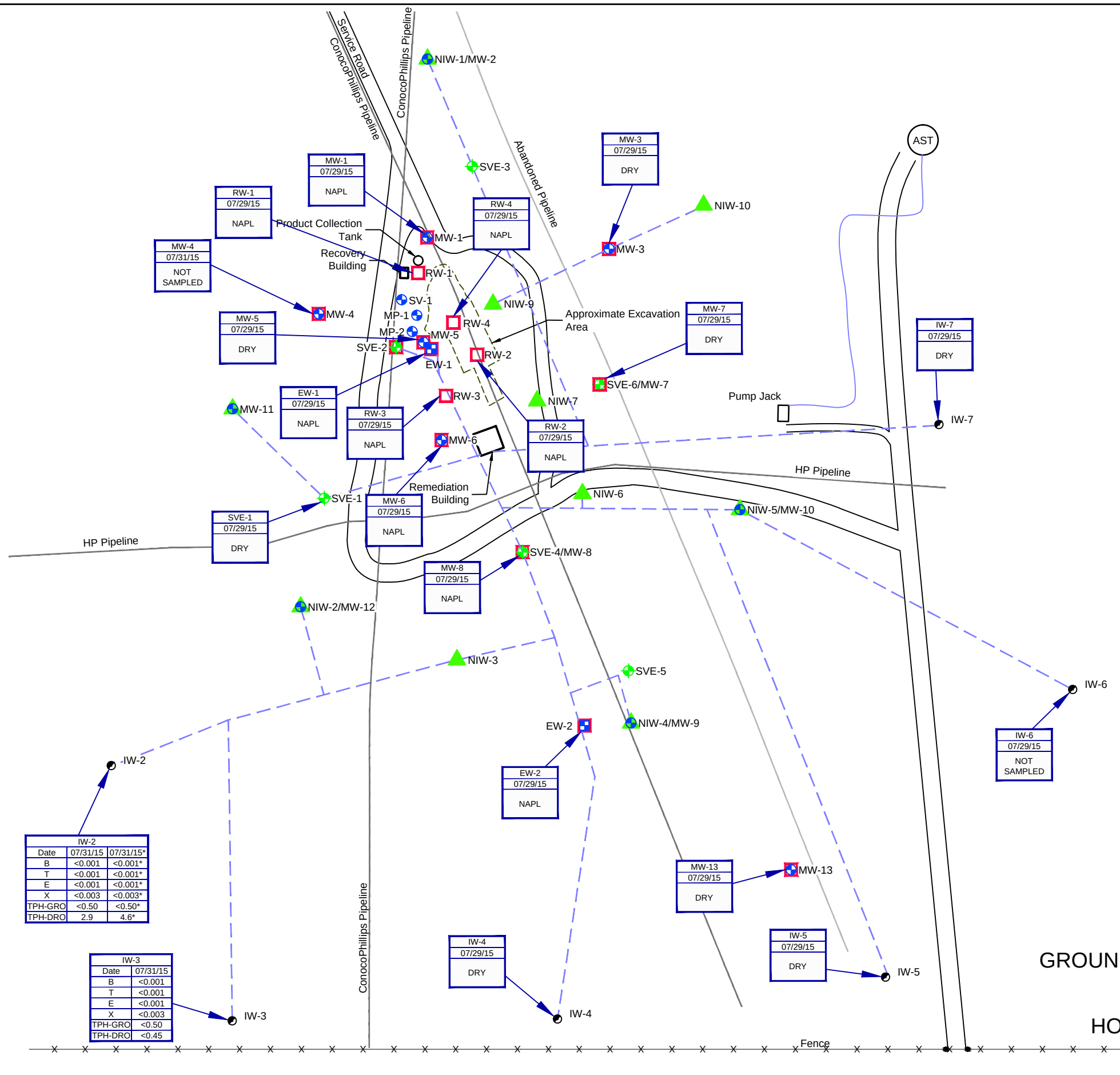
- NOTES:**
- Groundwater concentrations indicated are from samples collected on March 10, 2015.
 - Yellow shading indicates exceedance of NMWQCC groundwater quality standards.

LEGEND

- Existing Monitor Well Location & Designation
- Nutrient Injection Well Location & Designation
- Soil Vapor Extraction Location & Designation
- Groundwater Extraction Well Location & Designation
- Product Recovery Well Location & Designation
- Groundwater Injection Well Location & Designation
- Alignment of Conveyance Piping Corridor
- Fence Line
- B Benzene Concentration (mg/L)
- T Toluene Concentration (mg/L)
- E Ethylbenzene Concentration (mg/L)
- X Xylenes Concentration (mg/L)
- TPH Total Petroleum Hydrocarbons Concentration (mg/L)
- DRO TPH as Diesel Range Organics
- GRO TPH as Gasoline Range Organics
- NAPL Non-Aqueous Phase Liquids
- * Indicates Duplicate Sample

figure 7
GROUNDWATER ANALYTICAL RESULTS -
BTEX & TPH - MARCH 2015
LINE NM 1-1
HOBBS, LEA COUNTY, NEW MEXICO
Phillips 66 Company





NOTES:

1. Groundwater concentrations indicated are from samples collected on July 31, 2015.
2. No samples exhibited an exceedance of NMWQCC groundwater quality standards.

LEGEND

- Existing Monitor Well Location & Designation
- Nutrient Injection Well Location & Designation
- Soil Vapor Extraction Location & Designation
- Groundwater Extraction Well Location & Designation
- Product Recovery Well Location & Designation
- Groundwater Injection Well Location & Designation
- Alignment of Conveyance Piping Corridor
- Fence Line
- B Benzene Concentration (mg/L)
- T Toluene Concentration (mg/L)
- E Ethylbenzene Concentration (mg/L)
- X Xylenes Concentration (mg/L)
- TPH Total Petroleum Hydrocarbons Concentration (mg/L)
- DRO TPH as Diesel Range Organics
- GRO TPH as Gasoline Range Organics
- NAPL Non-Aqueous Phase Liquids
- * Indicates Duplicate Sample

figure 8
GROUNDWATER ANALYTICAL RESULTS -
BTEX & TPH - JULY 2015
LINE NM 1-1
HOBBS, LEA COUNTY, NEW MEXICO
Phillips 66 Company



Tables

Water Level Measurements - January through December 2015
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
MW-1	01/08/15	3603.30	42.18	47.30	5.12	3,560.10
	03/09/15	3603.30	42.35	47.38	5.03	3,559.94
	04/22/15	3603.30	42.49	47.70	5.21	3,559.77
	04/24/15	3603.30	43.10	44.31	1.21	3,559.96
	05/13/15	3603.30	43.25	44.04	0.79	3,559.89
	05/27/15	3603.30	43.00	45.46	2.46	3,559.81
	06/08/15	3603.30	43.19	43.83	0.64	3,559.98
	06/24/15	3603.30	42.89	45.36	2.47	3,559.92
	07/07/15	3603.30	42.84	45.28	2.44	3,559.97
	07/08/15	3603.30	43.00	44.34	1.34	3,560.03
	07/29/15	3603.30	42.75	45.60	2.85	3,559.98
	08/18/15	3603.30	42.52	46.53	4.01	3,559.98
	09/29/15	3603.30	42.38	46.92	4.54	3,560.01
	11/20/15	3603.30	42.28	46.72	4.44	3,560.13
MW-2 (NIW-1)	nm	3601.57	nm	nm	nm	nm
MW-3	01/08/15	3602.77	dry	dry	dry	dry
	03/09/15	3602.77	dry	dry	dry	dry
	04/22/15	3602.77	dry	dry	dry	dry
	04/24/15	3602.77	dry	dry	dry	dry
	05/13/15	3602.77	dry	dry	dry	dry
	06/08/15	3602.77	dry	dry	dry	dry
	07/07/15	3602.77	--	43.10	--	3,559.67
	07/08/15	3602.77	dry	dry	dry	dry
	07/29/15	3602.77	dry	dry	dry	dry
	08/18/15	3602.77	dry	dry	dry	dry
	09/29/15	3602.77	dry	dry	dry	dry
	11/20/15	3602.77	dry	dry	dry	dry
MW-4	01/08/15	3601.70	--	41.87	--	3,559.83
	03/09/15	3601.70	--	41.92	--	3,559.78
	04/22/15	3601.70	--	42.02	--	3,559.68
	04/24/15	3601.70	--	42.13	--	3,559.57
	05/13/15	3601.70	--	42.17	--	3,559.53
	06/08/15	3601.70	--	42.16	--	3,559.54
	07/07/15	3601.70	42.05	42.06	0.01	3,559.65
	07/08/15	3601.70	--	42.05	--	3,559.65
	07/29/15	3601.70	--	42.11	--	3,559.59

Water Level Measurements - January through December 2015
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
MW-5	08/18/15	3601.70	--	42.00	--	3,559.70
	09/29/15	3601.70	--	41.89	--	3,559.81
	11/20/15	3601.70	--	41.86	--	3,559.84
	01/08/15	3601.54	dry	dry	dry	dry
	03/09/15	3601.54	dry	dry	dry	dry
	04/24/15	3601.54	dry	dry	dry	dry
	05/13/15	3601.54	dry	dry	dry	dry
	06/08/15	3601.54	dry	dry	dry	dry
	07/29/15	3601.54	dry	dry	dry	dry
	08/18/15	3601.54	dry	dry	dry	dry
MW-6	09/29/15	3601.54	dry	dry	dry	dry
	11/20/15	3601.54	dry	dry	dry	dry
	01/08/15	3599.83	40.58	42.78	2.20	3,558.81
	03/09/15	3599.83	40.57	42.74	2.17	3,558.83
	04/21/15	3599.83	40.67	42.65	1.98	3,558.76
	04/22/15	3599.83	41.25	41.82	0.57	3,558.47
	04/24/15	3599.83	41.28	42.16	0.88	3,558.37
	05/13/15	3599.83	40.90	42.73	1.83	3,558.56
	06/08/15	3599.83	40.82	42.78	1.96	3,558.62
	07/07/15	3599.83	40.71	42.75	2.04	3,558.71
	07/08/15	3599.83	40.73	42.75	2.02	3,558.70
	07/29/15	3599.83	40.70	42.75	2.05	3,558.72
	08/18/15	3599.83	40.69	42.75	2.06	3,558.73
	09/29/15	3599.83	40.69	42.75	2.06	3,558.73
	11/20/15	3599.83	40.60	41.91	1.31	3,558.97
MW-7 (SVE-6)	01/08/15	3602.11	dry	dry	dry	dry
	03/09/15	3602.11	dry	dry	dry	dry
	04/24/15	3602.11	dry	dry	dry	dry
	05/13/15	3602.11	dry	dry	dry	dry
	06/08/15	3602.11	dry	dry	dry	dry
	07/29/15	3602.11	dry	dry	dry	dry
	08/18/15	3602.11	dry	dry	dry	dry
	09/29/15	3602.11	dry	dry	dry	dry
	11/20/15	3602.11	dry	dry	dry	dry
MW-8 (SVE-4)	01/08/15	3598.87	41.19	41.88	0.69	3,557.54

Water Level Measurements - January through December 2015
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	03/09/15	3598.87	41.12	41.89	0.77	3,557.60
	04/21/15	3598.87	41.12	41.89	0.77	3,557.60
	04/22/15	3598.87	--	41.31	--	3,557.56
	04/24/15	3598.87	--	41.38	--	3,557.49
	05/13/15	3598.87	41.40	41.60	0.20	3,557.43
	05/27/15	3598.87	41.39	41.75	0.36	3,557.41
	06/08/15	3598.87	41.42	41.89	0.47	3,557.36
	06/24/15	3598.87	41.39	41.98	0.59	3,557.36
	07/07/15	3598.87	41.44	42.01	0.57	3,557.32
	07/08/15	3598.87	41.43	42.00	0.57	3,557.33
	07/29/15	3598.87	41.40	42.00	0.60	3,557.35
	08/18/15	3598.87	41.40	42.04	0.64	3,557.34
	09/29/15	3598.87	41.44	42.04	0.60	3,557.31
	11/20/15	3598.87	41.40	42.04	0.64	3,557.34
MW-9 (NIW-4)	04/22/15	3601.05	dry	dry	dry	dry
	04/23/15	3601.05	dry	dry	dry	dry
	05/13/15	3601.05	dry	dry	dry	dry
	06/08/15	3601.05	dry	dry	dry	dry
	07/07/15	3601.05	40.36	40.37	0.01	3,560.69
	07/08/15	3601.05	40.36	40.37	0.01	3,560.69
	08/18/15	3601.05	dry	dry	dry	dry
	09/29/15	3601.05	dry	dry	dry	dry
	11/20/15	3601.05	dry	dry	dry	dry
MW-10 (NIW-5)	nm	3602.96	nm	nm	nm	nm
MW-11	nm	3600.67	nm	nm	nm	nm
MW-12 (NIW-2)	nm	3599.35	nm	nm	nm	nm
MW-13	03/10/15	3601.67	dry	dry	dry	dry
	07/29/15	3601.67	dry	dry	dry	dry
SV-1	nm	nm	nm	nm	nm	nm
SVE-2 (SV-2)	nm	nm	nm	nm	nm	nm
MP-1	nm	nm	nm	nm	nm	nm

Water Level Measurements - January through December 2015
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
MP-2	nm	nm	nm	nm	nm	nm
IW-2	03/10/15	3597.87	--	39.52	--	3558.35
	07/29/15	3597.87	--	39.41	--	3558.46
IW-3	03/10/15	3597.30	--	40.65	--	3,556.65
	07/29/15	3597.30	--	40.29	--	3,557.01
IW-4	03/10/15	3596.13	nm	nm	nm	nm
	07/29/15	3596.13	dry	dry	dry	dry
IW-5	03/10/15	3599.89	nm	nm	nm	nm
	07/29/15	3599.89	dry	dry	dry	dry
IW-6	03/10/15	3599.71	nm	nm	nm	nm
	07/29/15	3599.71	nm	nm	nm	nm
IW-7	03/10/15	3600.64	dry	dry	dry	dry
	07/29/15	3600.64	dry	dry	dry	dry
SVE-1	03/10/15	3598.68	dry	dry	dry	dry
	07/29/15	3598.68	dry	dry	dry	dry
SVE-5	04/22/15	nm	dry	dry	dry	dry
EW-1	01/08/15	3598.57	38.14	42.90	4.76	3,559.48
	03/10/15	3598.57	38.22	43.15	4.93	3,559.36
	04/21/15	3598.57	38.32	43.56	5.24	3,559.20
	04/22/15	3598.57	38.99	39.54	0.55	3,559.47
	04/24/15	3598.57	39.11	39.41	0.30	3,559.40
	05/13/15	3598.57	39.14	39.41	0.27	3,559.38
	06/08/15	3598.57	38.86	40.89	2.03	3,559.30
	06/24/15	3598.57	38.54	42.37	3.83	3,559.26
	07/07/15	3598.57	39.09	39.64	0.55	3,559.37
	07/08/15	3598.57	39.06	39.24	0.18	3,559.47
	07/29/15	3598.57	38.42	42.63	4.21	3,559.31
	08/18/15	3598.57	38.32	43.03	4.71	3,559.31
	09/29/15	3598.57	38.27	42.95	4.68	3,559.36

Water Level Measurements - January through December 2015
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	11/20/15	3598.57	38.20	42.76	4.56	3,559.46
EW-2	03/10/15	3597.95	nm	nm	nm	nm
	04/22/15	3597.95	39.99	43.54	3.55	3,557.25
	06/08/15	3597.95	40.19	43.76	3.57	3,557.05
	07/07/15	3597.95	40.14	43.74	3.60	3,557.09
	07/08/15	3597.95	40.15	43.74	3.59	3,557.08
	07/29/15	3597.95	40.10	43.70	3.60	3,557.13
	08/18/15	3597.95	40.14	43.90	3.76	3,557.06
	09/29/15	3597.95	40.17	43.06	2.89	3,557.20
	11/20/15	3597.95	40.12	43.74	3.62	3,557.11
RW-1	01/08/15	3602.53	41.62	46.79	5.17	3,559.88
	03/10/15	3602.53	41.73	47.00	5.27	3,559.75
	04/22/15	3602.53	41.86	47.42	5.56	3,559.56
	04/24/15	3602.53	42.50	44.01	1.51	3,559.73
	05/13/15	3602.53	41.96	47.49	5.53	3,559.46
	05/27/15	3602.53	42.04	47.05	5.01	3,559.49
	06/08/15	3602.53	42.65	43.25	0.60	3,559.76
	06/24/15	3602.53	42.28	45.04	2.76	3,559.70
	07/07/15	3602.53	41.99	46.58	4.59	3,559.62
	07/08/15	3602.53	42.56	43.23	0.67	3,559.84
	07/29/15	3602.53	41.87	46.70	4.83	3,559.69
	08/18/15	3602.53	41.83	46.78	4.95	3,559.71
	09/29/15	3602.53	41.78	46.65	4.87	3,559.78
	11/20/15	3602.53	41.71	46.31	4.60	3,559.90
RW-2	01/08/15	3602.04	41.96	45.12	3.16	3,559.45
	03/10/15	3602.04	42.05	45.08	3.03	3,559.38
	04/21/15	3602.04	42.21	45.24	3.03	3,559.22
	04/22/15	3602.04	42.23	45.21	2.98	3,559.21
	04/24/15	3602.04	42.33	45.28	2.95	3,559.12
	05/13/15	3602.04	42.72	43.37	0.65	3,559.19
	05/27/15	3602.04	42.50	44.50	2.00	3,559.14
	06/08/15	3602.04	42.59	44.00	1.41	3,559.17
	06/24/15	3602.04	42.42	44.64	2.22	3,559.18
	07/07/15	3602.04	42.38	44.62	2.24	3,559.21
	07/08/15	3602.04	42.71	42.76	0.05	3,559.32
	07/29/15	3602.04	42.40	44.58	2.18	3,559.20

Water Level Measurements - January through December 2015
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
RW-3	08/18/15	3602.04	42.28	44.73	2.45	3,559.27
	09/29/15	3602.04	42.21	44.88	2.67	3,559.30
	11/20/15	3602.04	42.04	44.66	2.62	3,559.48
	01/08/15	3601.34	41.38	44.49	3.11	3,559.34
	03/10/15	3601.34	41.43	44.56	3.13	3,559.28
	04/21/15	3601.34	41.58	44.64	3.06	3,559.15
	04/22/15	3601.34	41.59	44.67	3.08	3,559.13
	04/24/15	3601.34	41.68	44.71	3.03	3,559.05
	05/13/15	3601.34	41.77	44.52	2.75	3,559.02
	06/08/15	3601.34	41.77	44.49	2.72	3,559.03
	06/24/15	3601.34	41.71	44.46	2.75	3,559.08
	07/07/15	3601.34	41.71	44.33	2.62	3,559.11
	07/08/15	3601.34	41.70	44.36	2.66	3,559.11
	07/29/15	3601.34	41.70	44.18	2.48	3,559.14
	08/18/15	3601.34	41.63	44.33	2.70	3,559.17
	09/29/15	3601.34	41.58	44.44	2.86	3,559.19
	11/20/15	3601.34	41.44	44.42	2.98	3,559.30
RW-4	01/08/15	3602.30	42.14	44.66	2.52	3,559.66
	03/10/15	3602.30	42.11	45.51	3.40	3,559.51
	04/21/15	3602.30	42.18	45.82	3.64	3,559.39
	04/22/15	3602.30	42.26	45.68	3.42	3,559.36
	04/24/15	3602.30	42.59	44.32	1.73	3,559.36
	05/13/15	3602.30	42.88	42.94	0.06	3,559.41
	05/27/15	3602.30	42.68	43.93	1.25	3,559.37
	06/08/15	3602.30	42.85	42.88	0.03	3,559.44
	06/24/15	3602.30	42.59	43.97	1.38	3,559.43
	07/07/15	3602.30	42.78	42.80	0.02	3,559.52
	07/08/15	3602.30	42.73	42.93	0.20	3,559.53
	07/29/15	3602.30	42.44	44.10	1.66	3,559.53
	08/18/15	3602.30	42.42	44.28	1.86	3,559.51
	09/29/15	3602.30	42.33	44.41	2.08	3,559.55
	11/20/15	3602.30	42.16	44.68	2.52	3,559.64

Water Level Measurements - January through December 2015
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
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Notes:

- 1) ft - feet; fbgs - feet below ground surface; famsl = feet above mean sea level
- 2) NAPL = Non-aqueous phase liquid; -- indicates NAPL not detected
- 3) Dry - indicates well was observed dry during gauging, nm indicates not measured
- 4) Groundwater elevations in wells containing NAPL were corrected with an assumption of specific gravity for NAPL of 0.80.
- 5) italics - groundwater not detected in well and total depth used for depth to water.

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
MW-1	02/27/01	3603.30	30.13	36.20	6.07	3571.96
	06/25/01	3603.30	34.92	35.23	0.31	3568.32
	09/25/01	3603.30	34.64	40.28	5.64	3567.53
	12/11/01	3603.30	34.96	40.72	5.76	3567.19
	11/05/02	3603.30	35.76	41.32	5.56	3566.43
	04/21/03	3603.30	36.33	41.52	5.19	3565.93
	06/23/03	3603.30	36.29	41.89	5.60	3565.89
	11/05/03	3603.30	36.50	41.83	5.33	3565.73
	01/19/04	3603.30	37.06	42.39	5.33	3565.17
	04/19/04	3603.30	37.29	42.07	4.78	3565.05
	07/20/04	3603.30	37.03	40.91	3.88	3565.49
	10/25/04	3603.30	34.78	35.26	0.48	3568.42
	01/24/05	3603.30	32.92	33.36	0.44	3570.29
	04/18/05	3603.30	33.32	35.54	2.22	3569.54
	07/18/05	3603.30	34.08	36.48	2.40	3568.74
	08/19/05	3603.30	34.43	37.13	2.70	3568.33
	10/17/05	3603.30	34.10	35.90	1.80	3568.84
	11/16/05	3603.30	34.19	35.78	1.59	3568.79
	11/29/05	3603.30	34.28	35.95	1.67	3568.69
	12/12/05	3603.30	34.35	36.31	1.96	3568.56
	12/21/05	3603.30	34.31	36.82	2.51	3568.49
	12/28/05	3603.30	34.44	36.75	2.31	3568.40
	01/04/06	3603.30	34.52	36.91	2.39	3568.30
	01/11/06	3603.30	34.49	36.91	2.42	3568.33
	01/16/06	3603.30	34.92	34.99	0.07	3568.37
	01/23/06	3603.30	34.79	36.51	1.72	3568.17
	02/01/06	3603.30	34.98	35.21	0.23	3568.27
	02/16/06	3603.30	35.08	35.25	0.17	3568.19
	03/06/06	3603.30	35.26	35.42	0.16	3568.01
	03/29/06	3603.30	35.49	35.56	0.07	3567.80
	04/04/06	3603.30	35.52	35.61	0.09	3567.76
	04/11/06	3603.30	35.52	35.88	0.36	3567.71
	04/17/06	3603.30	35.46	35.71	0.25	3567.79
	04/24/06	3603.30	35.33	37.23	1.90	3567.59
	05/03/06	3603.30	35.75	35.96	0.21	3567.51
	05/31/06	3603.30	35.93	36.02	0.09	3567.35
	06/09/06	3603.30	35.91	36.25	0.34	3567.32
	06/12/06	3603.30	36.02	36.13	0.11	3567.26
	06/26/06	3603.30	35.92	37.02	1.10	3567.16

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	07/05/06	3603.30	35.94	37.51	1.57	3567.05
	07/10/06	3603.30	36.06	37.04	0.98	3567.04
	07/17/06	3603.30	35.96	37.97	2.01	3566.94
	07/24/06	3603.30	35.88	38.26	2.38	3566.94
	08/08/06	3603.30	35.93	38.56	2.63	3566.84
	08/14/06	3603.30	36.01	38.81	2.80	3566.73
	08/28/06	3603.30	35.99	38.83	2.84	3566.74
	09/14/06	3603.30	35.64	37.95	2.31	3567.20
	09/21/06	3603.30	35.55	37.62	2.07	3567.34
	09/25/06	3603.30	35.52	37.40	1.88	3567.40
	10/02/06	3603.30	35.49	36.70	1.21	3567.57
	10/10/06	3603.30	35.42	36.52	1.10	3567.66
	10/16/06	3603.30	35.41	35.97	0.56	3567.78
	10/23/06	3603.30	35.17	36.41	1.24	3567.88
	10/30/06	3603.30	35.45	35.54	0.09	3567.83
	11/06/06	3603.30	35.38	35.45	0.07	3567.91
	11/21/06	3603.30	35.40	35.46	0.06	3567.89
	11/28/06	3603.30	35.42	35.50	0.08	3567.86
	12/05/06	3603.30	35.36	36.05	0.69	3567.80
	12/11/06	3603.30	35.49	35.54	0.05	3567.80
	12/18/06	3603.30	35.56	35.61	0.05	3567.73
	01/02/07	3603.30	35.72	35.83	0.11	3567.56
	01/08/07	3603.30	35.36	35.83	0.47	3567.85
	01/23/07	3603.30	35.47	37.26	1.79	3567.47
	02/05/07	3603.30	36.03	36.14	0.11	3567.25
	02/26/07	3603.30	36.17	36.68	0.51	3567.03
	03/05/07	3603.30	36.27	36.36	0.09	3567.01
	03/13/07	3603.30	36.22	36.91	0.69	3566.94
	03/19/07	3603.30	36.35	36.46	0.11	3566.93
	03/26/07	3603.30	36.05	36.05	0.00	3567.25
	04/02/07	3603.30	36.05	38.76	2.71	3566.71
	04/23/07	3603.30	35.93	39.09	3.16	3566.74
	05/01/07	3603.30	36.11	39.21	3.10	3566.57
	05/29/07	3603.30	36.07	39.24	3.17	3566.60
	06/04/07	3603.30	36.06	39.20	3.14	3566.61
	06/11/07	3603.30	36.04	39.20	3.16	3566.63
	06/18/07	3603.30	36.03	39.22	3.19	3566.63
	06/26/07	3603.30	35.92	39.20	3.28	3566.72
	07/09/07	3603.30	36.00	39.18	3.18	3566.66

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	07/17/07	3603.30	36.00	39.20	3.20	3566.66
	07/23/07	3603.30	35.94	39.17	3.23	3566.71
	07/30/07	3603.30	35.99	39.18	3.19	3566.67
	08/08/07	3603.30	36.03	39.24	3.21	3566.63
	08/20/07	3603.30	36.11	39.32	3.21	3566.55
	08/27/07	3603.30	36.12	39.44	3.32	3566.52
	09/04/07	3603.30	36.18	39.39	3.21	3566.48
	09/10/07	3603.30	36.15	39.48	3.33	3566.48
	09/25/07	3603.30	35.99	39.11	3.12	3566.69
	10/02/07	3603.30	35.89	38.78	2.89	3566.83
	10/11/07	3603.30	35.87	38.37	2.50	3566.93
	10/22/07	3603.30	35.69	38.02	2.33	3567.14
	10/31/07	3603.30	36.10	36.73	0.63	3567.07
	11/12/07	3603.30	35.85	37.97	2.12	3567.03
	11/19/07	3603.30	35.82	37.98	2.16	3567.05
	12/05/07	3603.30	35.88	38.31	2.43	3566.93
	12/10/07	3603.30	36.00	38.40	2.40	3566.82
	12/20/07	3603.30	36.06	38.55	2.49	3566.74
	01/07/08	3603.30	36.08	39.20	3.12	3566.60
	01/28/08	3603.30	36.02	39.55	3.53	3566.57
	02/12/08	3603.30	36.38	40.12	3.74	3566.17
	02/26/08	3603.30	36.49	40.14	3.65	3566.08
	03/11/08	3603.30	36.60	39.98	3.38	3566.02
	03/17/08	3603.30	36.80	39.46	2.66	3565.97
	03/24/08	3603.30	36.67	40.22	3.55	3565.92
	03/31/08	3603.30	37.28	37.55	0.27	3565.97
	04/14/08	3603.30	37.24	38.20	0.96	3565.87
	04/21/08	3603.30	36.76	38.96	2.20	3566.10
	04/28/08	3603.30	37.25	38.66	1.41	3565.77
	05/20/08	3603.30	37.65	37.81	0.16	3565.62
	06/02/08	3603.30	37.17	40.10	2.93	3565.54
	06/09/08	3603.30	37.65	37.97	0.32	3565.59
	06/16/08	3603.30	37.40	39.62	2.22	3565.46
	06/30/08	3603.30	37.79	38.70	0.91	3565.33
	07/14/08	3603.30	37.80	38.93	1.13	3565.27
	07/21/08	3603.30	37.36	39.49	2.13	3565.51
	08/06/08	3603.30	37.95	38.68	0.73	3565.20
	08/18/08	3603.30	37.85	39.57	1.72	3565.11
	09/09/08	3603.30	38.16	38.62	0.46	3565.05

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	09/15/08	3603.30	38.18	38.22	0.04	3565.11
	09/22/08	3603.30	37.85	40.16	2.31	3564.99
	09/29/08	3603.30	38.17	38.20	0.03	3565.12
	10/07/08	3603.30	37.76	40.30	2.54	3565.03
	10/14/08	3603.30	38.14	38.16	0.02	3565.16
	10/20/08	3603.30	37.50	39.63	2.13	3565.37
	10/27/08	3603.30	38.13	38.17	0.04	3565.16
	11/10/08	3603.30	37.57	40.75	3.18	3565.09
	11/24/08	3603.30	38.16	38.21	0.05	3565.13
	12/01/08	3603.30	37.61	40.62	3.01	3565.09
	12/08/08	3603.30	38.06	38.71	0.65	3565.11
	12/24/08	3603.30	38.26	38.36	0.10	3565.02
	12/29/08	3603.30	37.97	39.78	1.81	3564.97
	01/06/09	3603.30	38.30	38.32	0.02	3565.00
	01/19/09	3603.30	37.85	41.10	3.25	3564.80
	01/26/09	3603.30	38.17	40.34	2.17	3564.70
	02/10/09	3603.30	37.86	41.81	3.95	3564.65
	02/26/09	3603.30	37.85	42.15	4.30	3564.59
	03/02/09	3603.30	37.85	42.22	4.37	3564.58
	03/09/09	3603.30	38.48	38.56	0.08	3564.80
	03/16/09	3603.30	38.10	41.10	3.00	3564.60
	03/24/09	3603.30	38.55	38.60	0.05	3564.74
	03/30/09	3603.30	38.14	41.00	2.86	3564.59
	04/06/09	3603.30	38.35	41.18	2.83	3564.38
	04/14/09	3603.30	38.64	38.70	0.06	3564.65
	04/20/09	3603.30	37.94	40.78	2.84	3564.79
	04/28/09	3603.30	38.70	38.75	0.05	3564.59
	05/11/09	3603.30	38.69	38.76	0.07	3564.60
	05/26/09	3603.30	38.34	41.07	2.73	3564.41
	06/01/09	3603.30	38.20	42.00	3.80	3564.34
	06/02/09	3603.30	38.56	40.04	1.48	3564.44
	06/09/09	3603.30	38.27	41.75	3.48	3564.33
	06/15/09	3603.30	38.18	42.50	4.32	3564.26
	06/29/09	3603.30	38.13	42.92	4.79	3564.21
	07/06/09	3603.30	38.15	43.25	5.10	3564.13
	07/14/09	3603.30	38.05	43.17	5.12	3564.23
	07/20/09	3603.30	38.91	38.90	0.01	3564.39
	07/27/09	3603.30	38.20	41.77	3.57	3564.39
	08/03/09	3603.30	38.93	39.10	0.17	3564.34

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	08/04/09	3603.30	38.90	38.89	0.01	3564.40
	08/12/09	3603.30	38.24	42.05	3.81	3564.30
	08/24/09	3603.30	38.91	38.96	0.05	3564.38
	08/31/09	3603.30	38.15	41.80	3.65	3564.42
	09/08/09	3603.30	38.79	39.00	0.21	3564.47
	09/16/09	3603.30	38.08	42.60	4.52	3564.32
	09/28/09	3603.30	38.71	38.82	0.11	3564.57
	10/05/09	3603.30	38.90	39.10	0.20	3564.36
	10/12/09	3603.30	38.26	41.75	3.49	3564.34
	10/26/09	3603.30	38.18	42.56	4.38	3564.24
	11/03/09	3603.30	38.90	39.00	0.10	3564.38
	11/10/09	3603.30	38.35	41.88	3.53	3564.24
	11/23/09	3603.30	38.95	39.00	0.05	3564.34
	11/30/09	3603.30	38.43	41.89	3.46	3564.18
	12/07/09	3603.30	38.95	39.01	0.06	3564.34
	12/22/09	3603.30	38.38	42.70	4.32	3564.06
	01/04/10	3603.30	38.88	40.25	1.37	3564.15
	01/11/10	3603.30	38.54	42.30	3.76	3564.01
	01/18/10	3603.30	39.15	39.17	0.02	3564.15
	01/25/10	3603.30	38.61	42.20	3.59	3563.97
	02/01/10	3603.30	39.23	39.30	0.07	3564.06
	02/08/10	3603.30	38.65	42.27	3.62	3563.93
	02/22/10	3603.30	39.24	39.30	0.06	3564.05
	03/01/10	3603.30	38.70	42.27	3.57	3563.89
	03/08/10	3603.30	39.25	39.29	0.04	3564.04
	03/22/10	3603.30	38.58	43.00	4.42	3563.84
	03/29/10	3603.30	38.74	42.25	3.51	3563.86
	04/05/10	3603.30	39.27	39.33	0.06	3564.02
	04/13/10	3603.30	38.69	42.83	4.14	3563.78
	04/19/10	3603.30	39.33	39.35	0.02	3563.97
	04/26/10	3603.30	38.75	42.54	3.79	3563.79
	05/03/10	3603.30	39.37	39.42	0.05	3563.92
	05/14/10	3603.30	38.60	39.73	1.13	3564.47
	05/20/10	3603.30	39.39	39.46	0.07	3563.90
	05/27/10	3603.30	38.76	43.00	4.24	3563.69
	06/01/10	3603.30	38.93	42.30	3.37	3563.70
	06/07/10	3603.30	39.45	39.51	0.06	3563.84
	06/15/10	3603.30	38.82	43.25	4.43	3563.59
	06/28/10	3603.30	39.50	39.60	0.10	3563.78

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	07/06/10	3603.30	38.83	43.08	4.25	3563.62
	07/13/10	3603.30	38.45	42.48	4.03	3564.04
	07/19/10	3603.30	38.38	41.80	3.42	3564.24
	07/26/10	3603.30	38.20	41.68	3.48	3564.40
	07/27/10	3603.30	38.16	41.58	3.42	3564.46
	07/28/10	3603.30	38.04	41.63	3.59	3564.54
	08/09/10	3603.30	38.02	41.00	2.98	3564.68
	08/16/10	3603.30	37.95	40.60	2.65	3564.82
	08/30/10	3603.30	37.85	40.28	2.43	3564.96
	09/08/10	3603.30	38.21	38.70	0.49	3564.99
	09/13/10	3603.30	38.07	38.13	0.06	3565.22
	09/20/10	3603.30	37.76	39.98	2.22	3565.10
	09/27/10	3603.30	37.75	40.11	2.36	3565.08
	10/04/10	3603.30	37.75	40.50	2.75	3565.00
	10/12/10	3603.30	38.13	38.20	0.07	3565.16
	10/19/10	3603.30	37.81	40.50	2.69	3564.95
	10/25/10	3603.30	37.76	40.61	2.85	3564.97
	11/01/10	3603.30	37.87	41.40	3.53	3564.72
	11/09/10	3603.30	37.89	41.00	3.11	3564.79
	11/22/10	3603.30	37.99	41.40	3.41	3564.63
	12/06/10	3603.30	38.55	38.68	0.13	3564.72
	01/03/11	3603.30	38.18	42.12	3.94	3564.33
	01/17/11	3603.30	38.72	39.80	1.08	3564.36
	01/29/11	3603.30	38.41	43.10	4.69	3563.95
	01/31/11	3603.30	38.78	40.28	1.50	3564.22
	02/07/11	3603.30	38.80	40.30	1.50	3564.20
	02/15/11	3603.30	38.86	40.87	2.01	3564.04
	03/01/11	3603.30	38.81	41.66	2.85	3563.92
	03/07/11	3603.30	38.73	42.40	3.67	3563.84
	03/21/11	3603.30	38.39	42.80	4.41	3564.03
	03/28/11	3603.30	38.75	43.33	4.58	3563.63
	07/29/11	3603.30	39.16	44.28	5.12	3563.12
	08/04/11	3603.30	39.11	44.45	5.34	3563.12
	08/11/11	3603.30	39.15	44.51	5.36	3563.08
	08/16/11	3603.30	39.16	44.56	5.40	3563.06
	09/14/11	3603.30	39.33	44.56	5.23	3562.92
	10/10/11	3603.30	39.45	44.66	5.21	3562.81
	11/18/11	3603.30	39.56	44.96	5.40	3562.66
	01/06/12	3603.30	39.75	45.14	5.39	3562.47

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	01/26/12	3603.30	39.81	45.23	5.42	3562.41
	02/23/12	3603.30	39.92	45.41	5.49	3562.28
	03/29/12	3603.30	40.16	44.98	4.82	3562.18
	04/19/12	3603.30	40.19	42.58	2.39	3562.63
	05/29/12	3603.30	40.37	45.53	5.16	3561.90
	06/07/12	3603.30	40.40	45.55	5.15	3561.87
	09/20/12	3603.30	40.45	46.10	5.65	3561.72
	11/15/12	3603.30	40.69	46.23	5.54	3561.50
	11/29/12	3603.30	41.03	44.35	3.32	3561.61
	12/20/12	3603.30	40.95	45.35	4.40	3561.47
	02/26/13	3603.30	41.13	45.64	4.51	3561.27
	03/07/13	3603.30	41.09	45.16	4.07	3561.40
	03/14/13	3603.30	41.27	44.08	2.81	3561.47
	04/10/13	3603.30	41.27	44.47	3.20	3561.39
	05/09/13	3603.30	41.38	45.29	3.91	3561.14
	06/07/13	3603.30	41.37	45.71	4.34	3561.06
	07/02/13	3603.30	41.35	46.04	4.69	3561.01
	07/22/13	3603.30	41.75	45.47	3.72	3560.81
	08/22/13	3603.30	42.30	42.55	0.25	3560.95
	09/19/13	3603.30	42.36	42.46	0.10	3560.92
	10/03/13	3603.30	42.37	42.59	0.22	3560.89
	11/27/13	3603.30	42.47	42.58	0.11	3560.81
	01/21/14	3603.30	42.53	42.94	0.41	3560.69
	02/13/14	3603.30	42.55	43.45	0.90	3560.57
	03/10/14	3603.30	42.46	44.43	1.97	3560.45
	03/24/14	3603.30	42.40	44.97	2.57	3560.39
	04/28/14	3603.30	42.54	44.87	2.33	3560.29
	06/09/14	3603.30	43.01	43.32	0.31	3560.23
	07/28/14	3603.30	43.02	44.51	1.49	3559.98
	08/19/14	3603.30	43.29	43.67	0.38	3559.93
	10/01/14	3603.30	42.94	46.43	3.49	3559.66
	11/24/14	3603.30	42.36	47.69	5.33	3559.87
	01/08/15	3603.30	42.18	47.30	5.12	3560.10
	03/09/15	3603.30	42.35	47.38	5.03	3559.94
	04/22/15	3603.30	42.49	47.70	5.21	3559.77
	04/24/15	3603.30	43.10	44.31	1.21	3559.96
	05/13/15	3603.30	43.25	44.04	0.79	3559.89
	05/27/15	3603.30	43.00	45.56	2.56	3559.79
	06/08/15	3603.30	43.19	43.83	0.64	3559.98

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	06/24/15	3603.30	42.89	45.36	2.47	3559.92
	07/07/15	3603.30	42.84	45.28	2.44	3559.97
	07/08/15	3603.30	43.00	44.34	1.34	3560.03
	07/29/15	3603.30	42.75	45.60	2.85	3559.98
	08/18/15	3603.30	42.52	46.53	4.01	3559.98
	09/29/15	3603.30	42.38	46.92	4.54	3560.01
	11/20/15	3603.30	42.28	46.72	4.44	3560.13
MW-2 (NIW-1)	02/27/01	3601.57	--	32.16	--	3569.41
	06/25/01	3601.57	--	32.60	--	3568.97
	09/25/01	3601.57	--	33.12	--	3568.45
	12/11/01	3601.57	--	33.51	--	3568.06
	05/20/02	3601.57	--	33.75	--	3567.82
MW-3	02/27/01	3602.77	33.88	38.93	5.05	3567.88
	06/25/01	3602.77	35.23	39.44	4.21	3566.70
	09/25/01	3602.77	35.79	40.41	4.62	3566.06
	12/11/01	3602.77	36.12	40.83	4.71	3565.71
	11/05/02	3602.77	36.82	41.26	4.44	3565.06
	04/21/03	3602.77	37.14	41.52	4.38	3564.75
	06/23/03	3602.77	36.77	37.93	1.16	3565.77
	11/05/03	3602.77	38.01	42.31	4.30	3563.90
	01/19/04	3602.77	38.36	42.68	4.32	3563.55
	04/19/04	3602.77	38.31	42.08	3.77	3563.71
	07/20/04	3602.77	38.01	41.09	3.08	3564.14
	10/25/04	3602.77	--	35.38	--	3567.39
	01/24/05	3602.77	33.51	35.22	1.71	3568.92
	04/18/05	3602.77	34.21	36.20	1.99	3568.16
	07/18/05	3602.77	35.15	37.30	2.15	3567.19
	08/19/05	3602.77	35.43	37.93	2.50	3566.84
	09/15/05	3602.77	35.30	37.05	1.75	3567.12
	09/29/05	3602.77	35.40	35.65	0.25	3567.32
	10/11/05	3602.77	35.26	35.86	0.60	3567.39
	10/17/05	3602.77	35.17	35.86	0.69	3567.46
	11/03/05	3602.77	35.16	35.68	0.52	3567.51
	11/16/05	3602.77	35.29	35.83	0.54	3567.37
	11/22/05	3602.77	35.23	35.82	0.59	3567.42
	11/29/05	3602.77	35.40	35.85	0.45	3567.28
	12/28/05	3602.77	35.72	35.87	0.15	3567.02

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	01/04/06	3602.77	35.75	36.13	0.38	3566.94
	01/11/06	3602.77	35.76	36.03	0.27	3566.96
	01/16/06	3602.77	35.81	36.24	0.43	3566.87
	01/23/06	3602.77	35.81	36.37	0.56	3566.85
	02/01/06	3602.77	36.00	36.10	0.10	3566.75
	02/16/06	3602.77	36.12	36.27	0.15	3566.62
	03/06/06	3602.77	36.29	36.49	0.20	3566.44
	03/29/06	3602.77	36.48	36.70	0.22	3566.25
	04/04/06	3602.77	36.51	36.76	0.25	3566.21
	04/11/06	3602.77	36.55	36.88	0.33	3566.15
	04/17/06	3602.77	36.57	36.89	0.32	3566.14
	04/24/06	3602.77	36.54	37.06	0.52	3566.13
	05/03/06	3602.77	36.72	36.91	0.19	3566.01
	05/31/06	3602.77	36.86	37.54	0.68	3565.77
	06/09/06	3602.77	36.90	37.70	0.80	3565.71
	06/12/06	3602.77	37.06	37.21	0.15	3565.68
	06/26/06	3602.77	37.03	37.91	0.88	3565.56
	07/05/06	3602.77	37.08	38.04	0.96	3565.50
	07/10/06	3602.77	37.09	38.08	0.99	3565.48
	07/17/06	3602.77	37.14	38.14	1.00	3565.43
	07/24/06	3602.77	37.15	37.71	0.56	3565.51
	08/08/06	3602.77	37.30	37.58	0.28	3565.41
	08/14/06	3602.77	37.42	37.50	0.08	3565.33
	08/28/06	3602.77	37.29	37.68	0.39	3565.40
	09/14/06	3602.77	36.82	37.10	0.28	3565.89
	09/21/06	3602.77	36.70	36.74	0.04	3566.06
	09/25/06	3602.77	35.51	35.56	0.05	3567.25
	10/02/06	3602.77	35.51	35.50	0.01	3567.26
	10/10/06	3602.77	36.44	36.43	0.01	3566.33
	10/16/06	3602.77	36.39	36.40	0.01	3566.38
	10/23/06	3602.77	36.26	36.25	0.01	3566.51
	10/30/06	3602.77	36.31	36.30	0.01	3566.46
	11/06/06	3602.77	36.26	36.27	0.01	3566.51
	11/21/06	3602.77	36.29	36.30	0.01	3566.48
	11/28/06	3602.77	36.29	36.30	0.01	3566.48
	12/05/06	3602.77	36.34	36.35	0.01	3566.43
	12/11/06	3602.77	36.38	36.39	0.01	3566.39
	12/18/06	3602.77	36.45	36.47	0.02	3566.32
	01/02/07	3602.77	36.63	36.65	0.02	3566.14

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	01/08/07	3602.77	36.68	36.69	0.01	3566.09
	01/23/07	3602.77	36.70	36.73	0.03	3566.06
	02/05/07	3602.77	36.94	37.02	0.08	3565.81
	02/26/07	3602.77	37.11	37.27	0.16	3565.63
	03/05/07	3602.77	37.17	37.40	0.23	3565.55
	03/13/07	3602.77	37.24	37.51	0.27	3565.48
	03/19/07	3602.77	37.26	37.59	0.33	3565.44
	03/26/07	3602.77	37.40	37.42	0.02	3565.37
	04/02/07	3602.77	37.39	37.59	0.20	3565.34
	04/23/07	3602.77	37.31	37.79	0.48	3565.36
	05/01/07	3602.77	37.46	37.96	0.50	3565.21
	05/29/07	3602.77	37.36	38.11	0.75	3565.26
	06/04/07	3602.77	37.34	37.98	0.64	3565.30
	06/11/07	3602.77	37.37	37.73	0.36	3565.33
	06/18/07	3602.77	37.41	37.72	0.31	3565.30
	06/26/07	3602.77	37.32	37.82	0.50	3565.35
	07/09/07	3602.77	37.32	38.00	0.68	3565.31
	07/17/07	3602.77	37.37	37.69	0.32	3565.34
	07/23/07	3602.77	37.32	37.81	0.49	3565.35
	07/30/07	3602.77	37.37	37.73	0.36	3565.33
	08/08/07	3602.77	37.38	37.85	0.47	3565.30
	08/20/07	3602.77	37.46	38.01	0.55	3565.20
	08/27/07	3602.77	37.48	38.11	0.63	3565.16
	09/04/07	3602.77	37.68	37.91	0.23	3565.04
	09/10/07	3602.77	37.71	37.77	0.06	3565.05
	09/25/07	3602.77	37.29	37.55	0.26	3565.43
	10/02/07	3602.77	37.20	37.30	0.10	3565.55
	10/11/07	3602.77	37.06	37.14	0.08	3565.69
	10/22/07	3602.77	36.86	37.01	0.15	3565.88
	10/31/07	3602.77	36.94	37.02	0.08	3565.81
	11/12/07	3602.77	36.97	37.07	0.10	3565.78
	11/19/07	3602.77	37.01	37.16	0.15	3565.73
	12/05/07	3602.77	37.13	37.30	0.17	3565.61
	12/10/07	3602.77	37.20	37.40	0.20	3565.53
	12/20/07	3602.77	37.30	37.61	0.31	3565.41
	01/02/08	3602.77	37.49	37.81	0.32	3565.22
	01/07/08	3602.77	37.50	37.77	0.27	3565.22
	01/28/08	3602.77	37.49	37.95	0.46	3565.19
	02/12/08	3602.77	37.76	38.22	0.46	3564.92

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	02/26/08	3602.77	37.89	38.42	0.53	3564.77
	03/11/08	3602.77	37.94	38.76	0.82	3564.67
	03/17/08	3602.77	37.95	38.86	0.91	3564.64
	03/24/08	3602.77	38.00	39.07	1.07	3564.56
	03/31/08	3602.77	38.00	39.19	1.19	3564.53
	04/14/08	3602.77	38.07	39.48	1.41	3564.42
	04/21/08	3602.77	37.85	39.35	1.50	3564.62
	04/28/08	3602.77	38.12	39.76	1.64	3564.32
	05/20/08	3602.77	38.55	38.55	0.00	3564.22
	06/02/08	3602.77	38.43	39.55	1.12	3564.12
	06/09/08	3602.77	38.72	38.72	0.00	3564.05
	06/16/08	3602.77	38.56	39.55	0.99	3564.01
	06/30/08	3602.77	38.64	39.89	1.25	3563.88
	07/14/08	3602.77	38.80	39.46	0.66	3563.84
	07/21/08	3602.77	38.49	39.65	1.16	3564.05
	08/06/08	3602.77	38.99	39.04	0.05	3563.77
	08/18/08	3602.77	38.80	40.41	1.61	3563.65
	09/09/08	3602.77	39.12	39.18	0.06	3563.64
	09/15/08	3602.77	38.97	40.05	1.08	3563.58
	09/22/08	3602.77	39.14	39.15	0.01	3563.63
	09/29/08	3602.77	38.89	40.23	1.34	3563.61
	10/07/08	3602.77	38.97	39.71	0.74	3563.65
	10/14/08	3602.77	38.80	40.77	1.97	3563.58
	10/20/08	3602.77	38.44	40.42	1.98	3563.93
	10/27/08	3602.77	39.05	39.06	0.01	3563.72
	11/10/08	3602.77	38.56	41.20	2.64	3563.68
	11/24/08	3602.77	39.01	39.03	0.02	3563.76
	12/01/08	3602.77	38.65	40.84	2.19	3563.68
	12/08/08	3602.77	39.02	39.03	0.01	3563.75
	12/24/08	3602.77	38.74	41.38	2.64	3563.50
	12/29/08	3602.77	38.18	38.22	0.04	3564.58
	01/06/09	3602.77	38.98	40.62	1.64	3563.46
	01/19/09	3602.77	39.09	40.23	1.14	3563.45
	01/26/09	3602.77	39.36	39.42	0.06	3563.40
	02/10/09	3602.77	39.08	41.08	2.00	3563.29
	02/26/09	3602.77	39.44	39.56	0.12	3563.31
	03/02/09	3602.77	39.43	39.57	0.14	3563.31
	03/09/09	3602.77	39.29	40.53	1.24	3563.23
	03/16/09	3602.77	39.50	39.67	0.17	3563.24

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	03/24/09	3602.77	39.30	40.67	1.37	3563.20
	03/30/09	3602.77	39.38	40.63	1.25	3563.14
	04/14/09	3602.77	39.57	39.73	0.16	3563.17
	04/20/09	3602.77	39.15	40.29	1.14	3563.39
	04/28/09	3602.77	39.61	39.84	0.23	3563.11
	05/11/09	3602.77	39.65	39.85	0.20	3563.08
	05/26/09	3602.77	39.58	40.28	0.70	3563.05
	06/01/09	3602.77	39.47	41.05	1.58	3562.98
	06/02/09	3602.77	39.18	41.10	1.92	3563.21
	06/09/09	3602.77	39.42	41.70	2.28	3562.89
	06/15/09	3602.77	39.38	41.75	2.37	3562.92
	06/29/09	3602.77	39.42	42.00	2.58	3562.83
	07/06/09	3602.77	38.15	43.25	5.10	3563.60
	07/14/09	3602.77	38.05	43.17	5.12	3563.70
	07/20/09	3602.77	38.91	38.90	0.01	3563.86
	07/27/09	3602.77	39.49	40.88	1.39	3563.00
	08/03/09	3602.77	39.78	39.88	0.10	3562.97
	08/04/09	3602.77	39.81	39.86	0.05	3562.95
	08/12/09	3602.77	39.51	40.95	1.44	3562.97
	08/24/09	3602.77	39.72	39.71	0.01	3563.05
	08/31/09	3602.77	39.33	41.05	1.72	3563.10
	09/08/09	3602.77	39.60	39.85	0.25	3563.12
	09/16/09	3602.77	38.08	42.60	4.52	3563.79
	09/28/09	3602.77	39.65	39.73	0.08	3563.10
	10/05/09	3602.77	39.43	40.98	1.55	3563.03
	10/12/09	3602.77	39.79	39.78	0.01	3562.98
	10/26/09	3602.77	39.49	41.33	1.84	3562.91
	11/03/09	3602.77	39.84	39.88	0.04	3562.92
	11/10/09	3602.77	38.68	38.53	0.15	3564.12
	11/23/09	3602.77	39.87	39.96	0.09	3562.88
	11/30/09	3602.77	39.76	40.56	0.80	3562.85
	12/07/09	3602.77	39.88	40.03	0.15	3562.86
	12/22/09	3602.77	39.77	41.05	1.28	3562.74
	01/04/10	3602.77	39.99	40.06	0.07	3562.77
	01/11/10	3602.77	40.05	40.08	0.03	3562.71
	01/18/10	3602.77	39.93	40.66	0.73	3562.69
	01/25/10	3602.77	39.96	40.69	0.73	3562.66
	02/01/10	3602.77	39.23	39.30	0.07	3563.53
	02/08/10	3602.77	40.04	40.71	0.67	3562.60

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	02/22/10	3602.77	40.16	40.26	0.10	3562.59
	03/01/10	3602.77	40.06	40.85	0.79	3562.55
	03/08/10	3602.77	40.11	40.26	0.15	3562.63
	03/22/10	3602.77	40.00	41.30	1.30	3562.51
	03/29/10	3602.77	41.18	41.27	0.09	3561.57
	04/05/10	3602.77	40.08	40.87	0.79	3562.53
	04/13/10	3602.77	40.25	40.35	0.10	3562.50
	04/19/10	3602.77	40.14	40.81	0.67	3562.50
	04/26/10	3602.77	40.15	40.91	0.76	3562.47
	05/03/10	3602.77	40.28	40.45	0.17	3562.46
	05/14/10	3602.77	40.14	41.16	1.02	3562.43
	05/20/10	3602.77	40.27	40.54	0.27	3562.45
	05/27/10	3602.77	40.30	40.50	0.20	3562.43
	06/01/10	3602.77	40.23	40.91	0.68	3562.40
	06/07/10	3602.77	40.34	40.58	0.24	3562.38
	06/15/10	3602.77	40.35	40.65	0.30	3562.36
	06/28/10	3602.77	40.40	40.65	0.25	3562.32
	07/06/10	3602.77	40.26	41.21	0.95	3562.32
	07/13/10	3602.77	39.79	40.81	1.02	3562.78
	07/19/10	3602.77	--	39.81	--	3562.96
	07/26/10	3602.77	39.38	40.29	0.91	3563.21
	07/27/10	3602.77	39.45	39.56	0.11	3563.30
	07/28/10	3602.77	39.40	39.75	0.35	3563.30
	08/09/10	3602.77	39.08	39.93	0.85	3563.52
	08/16/10	3602.77	39.09	39.30	0.21	3563.64
	08/30/10	3602.77	38.89	39.30	0.41	3563.80
	09/08/10	3602.77	38.91	39.07	0.16	3563.83
	09/13/10	3602.77	38.85	39.09	0.24	3563.87
	09/20/10	3602.77	38.83	39.09	0.26	3563.89
	09/27/10	3602.77	38.83	39.24	0.41	3563.86
	10/04/10	3602.77	38.95	39.20	0.25	3563.77
	10/12/10	3602.77	38.99	39.14	0.15	3563.75
	10/19/10	3602.77	38.97	39.50	0.53	3563.69
	10/25/10	3602.77	38.99	39.63	0.64	3563.65
	11/01/10	3602.77	39.17	39.30	0.13	3563.57
	11/09/10	3602.77	39.22	39.35	0.13	3563.52
	11/22/10	3602.77	39.20	40.04	0.84	3563.40
	12/06/10	3602.77	--	39.51	--	3563.26
	01/03/11	3602.77	39.49	40.82	1.33	3563.01

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	01/10/11	3602.77	39.80	39.90	0.10	3562.95
	01/29/11	3602.77	39.80	40.30	0.50	3562.87
	01/31/11	3602.77	39.91	40.06	0.15	3562.83
	02/07/11	3602.77	39.90	40.08	0.18	3562.83
	02/15/11	3602.77	40.02	40.26	0.24	3562.70
	03/01/11	3602.77	40.11	40.31	0.20	3562.62
	03/07/11	3602.77	40.17	40.38	0.21	3562.56
	03/21/11	3602.77	40.24	40.56	0.32	3562.47
	03/28/11	3602.77	40.31	40.63	0.32	3562.40
	07/29/11	3602.77	40.73	42.22	1.49	3561.74
	08/04/11	3602.77	39.86	41.63	1.77	3562.56
	08/11/11	3602.77	40.62	42.80	2.18	3561.71
	08/16/11	3602.77	40.76	42.95	2.19	3561.57
	09/14/11	3602.77	40.67	42.83	2.16	3561.67
	10/10/11	3602.77	40.75	42.83	2.08	3561.60
	11/18/11	3602.77	40.36	42.32	1.96	3562.02
	01/06/12	3602.77	41.52	41.89	0.37	3561.18
	01/26/12	3602.77	41.60	41.92	0.32	3561.11
	02/23/12	3602.77	41.69	42.19	0.50	3560.98
	03/29/12	3602.77	41.66	42.84	1.18	3560.87
	04/19/12	3602.77	41.58	42.90	1.32	3560.93
	05/29/12	3602.77	41.95	42.86	0.91	3560.64
	06/07/12	3602.77	41.90	42.04	0.14	3560.84
	09/20/12	3602.77	42.25	42.51	0.26	3560.47
	11/15/12	3602.77	42.42	42.99	0.57	3560.24
	11/29/12	3602.77	42.46	43.00	0.54	3560.20
	12/20/12	3602.77	42.54	42.99	0.45	3560.14
	02/26/13	3602.77	42.35	42.98	0.63	3560.29
	03/14/13	3602.77	42.37	43.03	0.66	3560.27
	05/09/13	3602.77	42.51	42.99	0.48	3560.16
	06/07/13	3602.77	42.62	43.02	0.40	3560.07
	07/02/13	3602.77	42.60	43.03	0.43	3560.08
	07/22/13	3602.77	42.75	43.00	0.25	3559.97
	08/22/13	3602.77	dry	dry	dry	dry
	09/19/13	3602.77	42.83	43.00	0.17	3,559.91
	10/03/13	3602.77	dry	dry	dry	dry
	11/27/13	3602.77	--	42.88	--	3559.89
	01/21/14	3602.77	nm	nm	nm	nm
	02/13/14	3602.77	dry	dry	dry	dry

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	03/10/14	3602.77	dry	dry	dry	dry
	03/24/14	3602.77	dry	dry	dry	dry
	04/28/14	3602.77	dry	dry	dry	dry
	06/09/14	3602.77	dry	dry	dry	dry
	07/28/14	3602.77	dry	dry	dry	dry
	08/19/14	3602.77	dry	dry	dry	dry
	10/01/14	3602.77	dry	dry	dry	dry
	11/24/14	3602.77	dry	dry	dry	dry
	01/08/15	3602.77	dry	dry	dry	dry
	03/09/15	3602.77	dry	dry	dry	dry
	04/22/15	3602.77	dry	dry	dry	dry
	04/24/15	3602.77	dry	dry	dry	dry
	05/13/15	3602.77	dry	dry	dry	dry
	06/08/15	3602.77	dry	dry	dry	dry
	07/07/15	3602.77	--	43.10	--	3,559.67
	07/08/15	3602.77	dry	dry	dry	dry
	07/29/15	3602.77	dry	dry	dry	dry
	08/18/15	3602.77	dry	dry	dry	dry
	09/29/15	3602.77	dry	dry	dry	dry
	11/20/15	3602.77	dry	dry	dry	dry
MW-4	02/27/01	3601.70	32.41	36.13	3.72	3568.55
	06/25/01	3601.70	33.17	36.90	3.73	3567.78
	09/25/01	3601.70	33.63	37.38	3.75	3567.32
	12/11/01	3601.70	34.03	37.59	3.56	3566.96
	11/05/02	3601.70	34.82	38.51	3.69	3566.14
	04/21/03	3601.70	35.22	38.78	3.56	3565.77
	06/23/03	3601.70	35.34	38.73	3.39	3565.68
	11/05/03	3601.70	35.96	38.86	2.90	3565.16
	01/19/04	3601.70	36.32	38.99	2.67	3564.85
	04/19/04	3601.70	36.36	38.90	2.54	3564.83
	07/20/04	3601.70	36.14	37.59	1.45	3565.27
	10/25/04	3601.70	34.25	34.26	0.01	3567.45
	01/24/05	3601.70	32.24	32.25	0.01	3569.46
	04/18/05	3601.70	32.59	32.58	0.01	3569.11
	07/18/05	3601.70	33.28	33.64	0.36	3568.35
	08/18/05	3601.70	33.57	34.04	0.47	3568.04
	09/15/05	3601.70	33.51	33.98	0.47	3568.10
	09/29/05	3601.70	33.38	33.78	0.40	3568.24

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	10/11/05	3601.70	33.25	33.67	0.42	3568.37
	10/17/05	3601.70	33.21	33.61	0.40	3568.41
	11/03/05	3601.70	33.24	33.45	0.21	3568.42
	11/16/05	3601.70	33.32	33.46	0.14	3568.35
	11/22/05	3601.70	33.31	33.43	0.12	3568.37
	11/29/05	3601.70	33.37	33.63	0.26	3568.28
	12/06/05	3601.70	33.38	33.64	0.26	3568.27
	12/12/05	3601.70	33.43	33.74	0.31	3568.21
	12/21/05	3601.70	33.50	33.88	0.38	3568.12
	12/28/05	3601.70	33.54	33.98	0.44	3568.07
	01/04/06	3601.70	33.62	34.17	0.55	3567.97
	01/10/06	3601.70	33.62	34.03	0.41	3568.00
	01/11/06	3601.70	33.61	34.03	0.42	3568.01
	01/16/06	3601.70	33.64	34.18	0.54	3567.95
	01/23/06	3601.70	33.69	33.96	0.27	3567.96
	02/01/06	3601.70	33.80	34.05	0.25	3567.85
	02/16/06	3601.70	33.91	34.14	0.23	3567.74
	03/06/06	3601.70	34.04	34.33	0.29	3567.60
	03/29/06	3601.70	34.23	34.51	0.28	3567.41
	04/04/06	3601.70	34.25	34.56	0.31	3567.39
	04/11/06	3601.70	34.31	34.64	0.33	3567.32
	04/17/06	3601.70	34.34	34.69	0.35	3567.29
	04/24/06	3601.70	34.33	34.73	0.40	3567.29
	05/03/06	3601.70	34.44	34.86	0.42	3567.18
	05/31/06	3601.70	34.63	35.18	0.55	3566.96
	06/09/06	3601.70	34.68	35.25	0.57	3566.91
	06/12/06	3601.70	34.72	35.24	0.52	3566.88
	06/26/06	3601.70	34.82	35.37	0.55	3566.77
	07/05/06	3601.70	34.88	35.41	0.53	3566.71
	07/10/06	3601.70	34.90	35.45	0.55	3566.69
	07/17/06	3601.70	34.94	35.53	0.59	3566.64
	07/24/06	3601.70	34.89	35.51	0.62	3566.69
	08/08/06	3601.70	35.02	35.58	0.56	3566.57
	08/14/06	3601.70	35.15	35.33	0.18	3566.51
	08/28/06	3601.70	35.18	35.19	0.01	3566.52
	09/14/06	3601.70	34.83	34.84	0.01	3566.87
	09/21/06	3601.70	34.71	34.72	0.01	3566.99
	09/25/06	3601.70	34.67	34.68	0.01	3567.03
	10/02/06	3601.70	34.58	34.59	0.01	3567.12

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	10/10/06	3601.70	34.50	34.53	0.03	3567.19
	10/16/06	3601.70	34.44	34.48	0.04	3567.25
	10/23/06	3601.70	34.30	34.43	0.13	3567.37
	10/30/06	3601.70	34.38	34.41	0.03	3567.31
	11/06/06	3601.70	34.36	34.39	0.03	3567.33
	11/21/06	3601.70	34.33	34.36	0.03	3567.36
	11/28/06	3601.70	34.33	34.37	0.04	3567.36
	12/05/06	3601.70	34.36	34.40	0.04	3567.33
	12/11/06	3601.70	34.40	34.44	0.04	3567.29
	12/18/06	3601.70	34.44	34.52	0.08	3567.24
	01/02/07	3601.70	34.55	34.65	0.10	3567.13
	01/08/07	3601.70	34.59	34.69	0.10	3567.09
	01/23/07	3601.70	34.55	34.70	0.15	3567.12
	02/05/07	3601.70	34.81	34.97	0.16	3566.86
	02/26/07	3601.70	34.95	35.32	0.37	3566.68
	03/05/07	3601.70	35.06	35.43	0.37	3566.57
	03/13/07	3601.70	35.05	35.50	0.45	3566.56
	03/19/07	3601.70	35.08	35.58	0.50	3566.52
	03/26/07	3601.70	35.14	35.57	0.43	3566.47
	04/02/07	3601.70	35.21	35.40	0.19	3566.45
	04/23/07	3601.70	35.17	35.19	0.02	3566.53
	05/01/07	3601.70	35.32	35.35	0.03	3566.37
	05/29/07	3601.70	35.33	35.46	0.13	3566.34
	06/04/07	3601.70	35.35	35.36	0.01	3566.35
	06/11/07	3601.70	35.34	35.37	0.03	3566.35
	06/18/07	3601.70	35.34	35.39	0.05	3566.35
	06/26/07	3601.70	35.23	35.31	0.08	3566.45
	07/09/07	3601.70	35.27	35.41	0.14	3566.40
	07/17/07	3601.70	35.28	35.41	0.13	3566.39
	07/23/07	3601.70	35.26	35.44	0.18	3566.40
	07/30/07	3601.70	35.27	35.45	0.18	3566.39
	08/08/07	3601.70	35.28	35.52	0.24	3566.37
	08/20/07	3601.70	35.35	35.60	0.25	3566.30
	08/27/07	3601.70	35.37	35.66	0.29	3566.27
	09/04/07	3601.70	35.41	35.70	0.29	3566.23
	09/10/07	3601.70	35.40	35.70	0.30	3566.24
	09/25/07	3601.70	35.28	35.56	0.28	3566.36
	10/02/07	3601.70	35.19	35.46	0.27	3566.46
	10/11/07	3601.70	35.10	35.46	0.36	3566.53

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	10/22/07	3601.70	34.89	35.29	0.40	3566.73
	10/31/07	3601.70	34.99	35.31	0.32	3566.65
	11/12/07	3601.70	--	35.01	--	3566.69
	11/19/07	3601.70	35.02	35.04	0.02	3566.68
	12/05/07	3601.70	35.09	35.26	0.17	3566.58
	12/10/07	3601.70	35.12	35.33	0.21	3566.54
	12/20/07	3601.70	35.24	35.46	0.22	3566.42
	01/02/08	3601.70	35.38	35.56	0.18	3566.28
	01/07/08	3601.70	35.40	35.60	0.20	3566.26
	01/28/08	3601.70	35.34	35.60	0.26	3566.31
	02/12/08	3601.70	35.63	35.87	0.24	3566.02
	02/26/08	3601.70	35.71	35.96	0.25	3565.94
	03/11/08	3601.70	35.80	36.06	0.26	3565.85
	03/17/08	3601.70	35.85	36.08	0.23	3565.80
	03/24/08	3601.70	35.88	36.13	0.25	3565.77
	03/31/08	3601.70	35.42	36.17	0.75	3566.13
	04/14/08	3601.70	35.99	36.29	0.30	3565.65
	04/21/08	3601.70	35.80	36.09	0.29	3565.84
	04/28/08	3601.70	36.10	36.38	0.28	3565.54
	05/20/08	3601.70	36.21	36.44	0.23	3565.44
	06/02/08	3601.70	36.30	36.55	0.25	3565.35
	06/09/08	3601.70	36.38	36.57	0.19	3565.28
	06/16/08	3601.70	36.41	36.62	0.21	3565.25
	06/30/08	3601.70	36.56	36.67	0.11	3565.12
	07/14/08	3601.70	36.59	36.77	0.18	3565.07
	07/21/08	3601.70	36.37	36.58	0.21	3565.29
	08/06/08	3601.70	36.71	36.89	0.18	3564.95
	08/18/08	3601.70	36.78	36.93	0.15	3564.89
	09/09/08	3601.70	36.86	37.04	0.18	3564.80
	09/15/08	3601.70	36.87	37.06	0.19	3564.79
	09/22/08	3601.70	36.89	37.10	0.21	3564.77
	09/29/08	3601.70	36.90	37.10	0.20	3564.76
	10/07/08	3601.70	36.87	37.10	0.23	3564.78
	10/14/08	3601.70	36.89	37.08	0.19	3564.77
	10/20/08	3601.70	36.50	36.82	0.32	3565.14
	10/27/08	3601.70	36.86	37.13	0.27	3564.79
	11/10/08	3601.70	36.80	37.02	0.22	3564.86
	11/24/08	3601.70	36.79	37.00	0.21	3564.87
	12/01/08	3601.70	36.80	37.11	0.31	3564.84

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	12/08/08	3601.70	36.81	37.17	0.36	3564.82
	12/24/08	3601.70	36.90	37.29	0.39	3564.72
	12/29/08	3601.70	36.92	37.37	0.45	3564.69
	01/06/09	3601.70	36.96	37.46	0.50	3564.64
	01/19/09	3601.70	36.96	37.44	0.48	3564.64
	01/26/09	3601.70	37.03	37.85	0.82	3564.51
	02/10/09	3601.70	37.03	37.95	0.92	3564.49
	02/26/09	3601.70	37.07	38.03	0.96	3564.44
	03/02/09	3601.70	37.08	38.09	1.01	3564.42
	03/09/09	3601.70	37.09	38.25	1.16	3564.38
	03/16/09	3601.70	--	37.30	--	3564.40
	03/24/09	3601.70	37.26	37.31	0.05	3564.43
	03/30/09	3601.70	37.30	37.39	0.09	3564.38
	04/06/09	3601.70	37.30	37.45	0.15	3564.37
	04/14/09	3601.70	37.31	37.60	0.29	3564.33
	04/20/09	3601.70	37.03	37.48	0.45	3564.58
	04/28/09	3601.70	37.30	37.94	0.64	3564.27
	05/11/09	3601.70	37.25	38.37	1.12	3564.23
	05/26/09	3601.70	37.27	38.60	1.33	3564.16
	06/01/09	3601.70	37.30	38.66	1.36	3564.13
	06/02/09	3601.70	37.30	39.60	2.30	3563.94
	06/09/09	3601.70	37.46	37.69	0.23	3564.19
	06/15/09	3601.70	37.47	37.63	0.16	3564.20
	06/29/09	3601.70	37.40	38.40	1.00	3564.10
	07/06/09	3601.70	37.54	37.76	0.22	3564.12
	07/14/09	3601.70	37.54	37.84	0.30	3564.10
	07/20/09	3601.70	37.57	37.83	0.26	3564.08
	07/27/09	3601.70	37.39	38.06	0.67	3564.18
	08/03/09	3601.70	37.57	37.81	0.24	3564.08
	08/04/09	3601.70	37.58	37.85	0.27	3564.07
	08/12/09	3601.70	37.55	37.75	0.20	3564.11
	08/24/09	3601.70	37.37	38.42	1.05	3564.12
	08/31/09	3601.70	37.48	37.65	0.17	3564.19
	09/08/09	3601.70	37.43	37.73	0.30	3564.21
	09/16/09	3601.70	37.28	38.38	1.10	3564.20
	09/28/09	3601.70	37.49	37.58	0.09	3564.19
	10/05/09	3601.70	37.36	38.34	0.98	3564.14
	10/12/09	3601.70	37.55	37.70	0.15	3564.12
	10/26/09	3601.70	37.42	38.45	1.03	3564.07

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	11/03/09	3601.70	37.60	37.72	0.12	3564.08
	11/10/09	3601.70	37.50	38.37	0.87	3564.03
	11/23/09	3601.70	37.67	37.77	0.10	3564.01
	11/30/09	3601.70	37.56	38.36	0.80	3563.98
	12/07/09	3601.70	37.70	37.79	0.09	3563.98
	12/22/09	3601.70	37.75	37.82	0.07	3563.94
	01/04/10	3601.70	37.69	38.42	0.73	3563.86
	01/11/10	3601.70	37.72	38.38	0.66	3563.85
	01/18/10	3601.70	37.84	37.88	0.04	3563.85
	01/25/10	3601.70	37.80	38.37	0.57	3563.79
	02/01/10	3601.70	37.90	37.91	0.01	3563.80
	02/08/10	3601.70	37.86	38.30	0.44	3563.75
	02/22/10	3601.70	37.94	38.01	0.07	3563.75
	03/01/10	3601.70	37.91	38.29	0.38	3563.71
	03/08/10	3601.70	37.95	38.05	0.10	3563.73
	03/22/10	3601.70	37.93	38.34	0.41	3563.69
	03/29/10	3601.70	37.99	38.13	0.14	3563.68
	04/05/10	3601.70	37.97	38.34	0.37	3563.66
	04/13/10	3601.70	38.05	38.14	0.09	3563.63
	04/19/10	3601.70	38.03	38.34	0.31	3563.61
	04/26/10	3601.70	38.04	38.40	0.36	3563.59
	05/03/10	3601.70	38.08	38.25	0.17	3563.59
	05/14/10	3601.70	38.10	38.37	0.27	3563.55
	05/20/10	3601.70	38.10	38.39	0.29	3563.54
	05/27/10	3601.70	38.11	38.45	0.34	3563.52
	06/01/10	3601.70	38.14	38.35	0.21	3563.52
	06/07/10	3601.70	38.16	38.40	0.24	3563.49
	06/15/10	3601.70	38.17	38.45	0.28	3563.47
	06/28/10	3601.70	38.22	38.45	0.23	3563.43
	07/06/10	3601.70	38.16	38.50	0.34	3563.47
	07/13/10	3601.70	37.66	38.45	0.79	3563.88
	07/19/10	3601.70	37.68	37.67	0.01	3564.02
	07/26/10	3601.70	37.54	37.63	0.09	3564.14
	07/27/10	3601.70	37.50	37.60	0.10	3564.18
	07/28/10	3601.70	37.49	37.59	0.10	3564.19
	08/09/10	3601.70	--	37.32	--	3564.38
	08/16/10	3601.70	37.28	37.27	0.01	3564.42
	08/30/10	3601.70	--	37.08	--	3564.62
	09/08/10	3601.70	--	37.02	--	3564.68

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	09/13/10	3601.70	36.99	36.98	0.01	3564.71
	09/20/10	3601.70	--	36.98	--	3564.72
	09/27/10	3601.70	--	36.95	--	3564.75
	10/04/10	3601.70	--	36.96	--	3564.74
	10/12/10	3601.70	--	36.99	--	3564.71
	10/19/10	3601.70	--	37.03	--	3564.67
	10/25/10	3601.70	--	37.02	--	3564.68
	11/01/10	3601.70	--	37.11	--	3564.59
	11/09/10	3601.70	--	37.05	--	3564.65
	11/22/10	3601.70	--	37.25	--	3564.45
	12/06/10	3601.70	--	37.35	--	3564.35
	01/03/11	3601.70	37.50	38.09	0.59	3564.08
	01/17/11	3601.70	37.56	38.40	0.84	3563.97
	01/29/11	3601.70	37.62	38.47	0.85	3563.91
	01/31/11	3601.70	37.68	38.53	0.85	3563.85
	02/07/11	3601.70	37.73	38.54	0.81	3563.81
	02/15/11	3601.70	37.80	38.57	0.77	3563.75
	03/01/11	3601.70	37.98	38.07	0.09	3563.70
	03/07/11	3601.70	38.03	38.11	0.08	3563.65
	03/21/11	3601.70	38.12	38.20	0.08	3563.56
	03/28/11	3601.70	38.16	38.31	0.15	3563.51
	07/29/11	3601.70	38.66	38.70	0.04	3563.03
	08/04/11	3601.70	38.70	38.80	0.10	3562.98
	08/11/11	3601.70	38.72	38.77	0.05	3562.97
	08/16/11	3601.70	38.79	38.80	0.01	3562.91
	09/14/11	3601.70	38.88	38.94	0.06	3562.81
	10/10/11	3601.70	38.97	39.44	0.47	3562.64
	11/18/11	3601.70	39.02	40.90	1.88	3562.30
	01/06/12	3601.70	39.10	40.88	1.78	3562.24
	01/26/12	3601.70	39.14	41.25	2.11	3562.14
	02/23/12	3601.70	39.23	41.41	2.18	3562.03
	03/29/12	3601.70	39.47	41.48	2.01	3561.83
	04/19/12	3601.70	39.59	41.39	1.80	3561.75
	05/29/12	3601.70	39.84	41.28	1.44	3561.57
	06/07/12	3601.70	39.78	41.21	1.43	3561.63
	09/20/12	3601.70	39.92	41.36	1.44	3561.49
	11/15/12	3601.70	40.10	41.57	1.47	3561.31
	11/29/12	3601.70	40.15	41.62	1.47	3561.26
	12/20/12	3601.70	40.23	41.64	1.41	3561.19

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	02/26/13	3601.70	40.42	41.48	1.06	3561.07
	03/07/13	3601.70	40.52	41.35	0.83	3561.01
	03/14/13	3601.70	40.52	41.32	0.80	3561.02
	04/10/13	3601.70	40.50	41.49	0.99	3561.00
	05/09/13	3601.70	40.72	41.64	0.92	3560.80
	06/07/13	3601.70	40.82	41.80	0.98	3560.68
	07/02/13	3601.70	40.84	41.75	0.91	3560.68
	07/22/13	3601.70	--	41.19	--	3560.51
	08/22/13	3601.70	--	41.16	--	3560.54
	09/19/13	3601.70	--	41.21	--	3560.49
	10/03/13	3601.70	--	41.20	--	3560.50
	11/27/13	3601.70	--	41.33	--	3560.37
	01/21/14	3601.70	--	41.41	--	3560.29
	02/13/14	3601.70	--	41.48	--	3560.22
	03/10/14	3601.70	--	41.73	--	3559.97
	03/24/14	3601.70	--	41.81	--	3559.89
	04/28/14	3601.70	--	41.68	--	3560.02
	06/09/14	3601.70	--	41.84	--	3559.86
	07/28/14	3601.70	--	42.02	--	3559.68
	08/19/14	3601.70	--	42.11	--	3559.59
	10/01/14	3601.70	--	42.24	--	3559.46
	11/24/14	3601.70	--	41.97	--	3559.73
	01/08/15	3601.70	--	41.87	--	3559.83
	03/10/15	3601.70	--	41.92	--	3559.78
	04/22/15	3601.70	--	42.02	--	3559.68
	04/24/15	3601.70	--	42.13	--	3559.57
	05/13/15	3601.70	--	42.17	--	3559.53
	06/08/15	3601.70	--	42.16	--	3559.54
	07/07/15	3601.70	42.05	42.06	0.01	3559.65
	07/08/15	3601.70	--	42.05	--	3559.65
	07/29/15	3601.70	--	42.11	--	3559.59
	08/18/15	3601.70	--	42.00	--	3559.70
	09/29/15	3601.70	--	41.89	--	3559.81
	11/20/15	3601.70	--	41.86	--	3559.84
MW-5	02/27/01	3601.54	32.36	37.92	5.56	3568.07
	06/25/01	3601.54	32.95	38.21	5.26	3567.54
	09/25/01	3601.54	34.44	39.66	5.22	3566.06
	12/11/01	3601.54	33.84	38.94	5.10	3566.68

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	11/05/02	3601.54	34.71	39.18	4.47	3565.94
	04/21/03	3601.54	35.34	39.98	4.64	3565.27
	06/23/03	3601.54	35.43	39.55	4.12	3565.29
	11/05/03	3601.54	35.88	39.35	3.47	3564.97
	01/19/04	3601.54	37.11	40.36	3.25	3563.78
	04/19/04	3601.54	37.20	40.37	3.17	3563.71
	07/20/04	3601.54	36.90	40.40	3.50	3563.94
	10/25/04	3601.54	34.96	34.99	0.03	3566.57
	01/24/05	3601.54	33.08	33.37	0.29	3568.40
	04/18/05	3601.54	33.53	33.71	0.18	3567.97
	07/18/05	3601.54	34.16	34.71	0.55	3567.27
	09/15/05	3601.54	34.75	35.25	0.50	3566.69
	10/17/05	3601.54	34.09	34.48	0.39	3567.37
	11/16/05	3601.54	34.27	34.60	0.33	3567.20
	11/22/05	3601.54	34.22	34.59	0.37	3567.25
	12/06/05	3601.54	34.39	34.78	0.39	3567.07
	12/12/05	3601.54	34.44	34.92	0.48	3567.00
	12/21/05	3601.54	34.58	35.09	0.51	3566.86
	12/28/05	3601.54	34.88	34.92	0.04	3566.65
	01/04/06	3601.54	34.65	35.19	0.54	3566.78
	01/11/06	3601.54	34.70	34.89	0.19	3566.80
	01/16/06	3601.54	34.70	35.27	0.57	3566.73
	01/23/06	3601.54	34.78	34.84	0.06	3566.75
	02/01/06	3601.54	34.93	34.94	0.01	3566.61
	02/16/06	3601.54	34.93	35.71	0.78	3566.45
	03/06/06	3601.54	35.14	35.18	0.04	3566.39
	03/29/06	3601.54	35.33	35.37	0.04	3566.20
	04/04/06	3601.54	35.37	35.41	0.04	3566.16
	04/11/06	3601.54	35.40	35.51	0.11	3566.12
	04/17/06	3601.54	35.46	35.51	0.05	3566.07
	04/24/06	3601.54	35.33	36.23	0.90	3566.03
	05/03/06	3601.54	35.58	35.62	0.04	3565.95
	05/31/06	3601.54	35.76	35.80	0.04	3565.77
	06/09/06	3601.54	35.85	35.95	0.10	3565.67
	06/12/06	3601.54	35.89	35.96	0.07	3565.64
	06/26/06	3601.54	35.89	36.45	0.56	3565.54
	07/05/06	3601.54	35.91	36.73	0.82	3565.47
	07/10/06	3601.54	36.05	36.17	0.12	3565.47
	07/17/06	3601.54	36.07	36.15	0.08	3565.45

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	07/24/06	3601.54	35.92	36.96	1.04	3565.41
	08/08/06	3601.54	36.17	36.34	0.17	3565.34
	08/14/06	3601.54	36.22	36.29	0.07	3565.31
	08/28/06	3601.54	36.22	36.41	0.19	3565.28
	09/14/06	3601.54	35.14	36.66	1.52	3566.10
	09/21/06	3601.54	35.67	35.96	0.29	3565.81
	09/25/06	3601.54	35.66	35.72	0.06	3565.87
	10/02/06	3601.54	35.56	35.86	0.30	3565.92
	10/10/06	3601.54	35.56	35.62	0.06	3565.97
	10/16/06	3601.54	35.45	35.66	0.21	3566.05
	10/23/06	3601.54	35.29	35.78	0.49	3566.15
	10/30/06	3601.54	35.42	35.43	0.01	3566.12
	11/06/06	3601.54	35.36	35.85	0.49	3566.08
	11/21/06	3601.54	35.34	35.35	0.01	3566.20
	11/28/06	3601.54	35.33	35.89	0.56	3566.10
	12/05/06	3601.54	35.40	35.41	0.01	3566.14
	12/11/06	3601.54	35.40	36.02	0.62	3566.02
	12/18/06	3601.54	35.52	35.53	0.01	3566.02
	01/02/07	3601.54	35.56	36.38	0.82	3565.82
	01/08/07	3601.54	35.66	35.68	0.02	3565.88
	01/23/07	3601.54	35.51	36.56	1.05	3565.82
	02/05/07	3601.54	35.76	37.06	1.30	3565.52
	02/26/07	3601.54	36.08	36.16	0.08	3565.44
	03/05/07	3601.54	35.92	37.32	1.40	3565.34
	03/13/07	3601.54	36.10	36.62	0.52	3565.34
	03/19/07	3601.54	36.20	36.27	0.07	3565.33
	03/26/07	3601.54	36.53	36.87	0.34	3564.94
	04/02/07	3601.54	36.60	36.99	0.39	3564.86
	04/23/07	3601.54	36.12	37.58	1.46	3565.13
	05/01/07	3601.54	36.33	37.17	0.84	3565.04
	05/29/07	3601.54	36.42	36.99	0.57	3565.01
	06/04/07	3601.54	36.31	36.82	0.51	3565.13
	06/11/07	3601.54	36.30	36.81	0.51	3565.14
	06/18/07	3601.54	36.16	37.70	1.54	3565.07
	06/26/07	3601.54	36.25	36.79	0.54	3565.18
	07/09/07	3601.54	36.31	36.50	0.19	3565.19
	07/17/07	3601.54	36.29	36.82	0.53	3565.14
	07/23/07	3601.54	36.11	37.68	1.57	3565.12
	07/30/07	3601.54	36.33	36.50	0.17	3565.18

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	08/08/07	3601.54	36.33	36.62	0.29	3565.15
	08/20/07	3601.54	36.42	36.62	0.20	3565.08
	08/27/07	3601.54	36.23	38.00	1.77	3564.96
	09/04/07	3601.54	36.47	36.66	0.19	3565.03
	09/10/07	3601.54	36.47	36.64	0.17	3565.04
	09/25/07	3601.54	36.11	37.71	1.60	3565.11
	10/02/07	3601.54	36.26	36.36	0.10	3565.26
	10/11/07	3601.54	35.96	37.46	1.50	3565.28
	10/22/07	3601.54	35.77	37.20	1.43	3565.48
	10/31/07	3601.54	36.04	36.12	0.08	3565.48
	11/12/07	3601.54	35.88	37.28	1.40	3565.38
	11/19/07	3601.54	36.07	36.14	0.07	3565.46
	12/05/07	3601.54	35.94	37.68	1.74	3565.25
	12/10/07	3601.54	36.21	36.31	0.10	3565.31
	12/20/07	3601.54	36.06	37.91	1.85	3565.11
	01/07/08	3601.54	36.47	36.61	0.14	3565.04
	01/28/08	3601.54	36.10	38.50	2.40	3564.96
	02/12/08	3601.54	36.40	38.92	2.52	3564.64
	02/26/08	3601.54	36.81	36.97	0.16	3564.70
	03/11/08	3601.54	36.59	39.12	2.53	3564.44
	03/17/08	3601.54	36.92	39.13	2.21	3564.18
	03/24/08	3601.54	36.67	38.99	2.32	3564.41
	03/31/08	3601.54	37.00	37.23	0.23	3564.49
	04/14/08	3601.54	36.75	39.44	2.69	3564.25
	04/21/08	3601.54	36.55	39.15	2.60	3564.47
	04/28/08	3601.54	36.98	38.65	1.67	3564.23
	05/20/08	3601.54	36.89	39.92	3.03	3564.04
	06/02/08	3601.54	37.10	39.46	2.36	3563.97
	06/09/08	3601.54	37.87	38.10	0.23	3563.62
	06/16/08	3601.54	37.20	39.77	2.57	3563.83
	06/30/08	3601.54	37.97	38.25	0.28	3563.51
	07/14/08	3601.54	37.30	40.43	3.13	3563.61
	07/21/08	3601.54	37.05	40.27	3.22	3563.85
	08/06/08	3601.54	38.03	38.92	0.89	3563.33
	08/18/08	3601.54	38.22	38.37	0.15	3563.29
	09/09/08	3601.54	37.52	40.66	3.14	3563.39
	09/15/08	3601.54	38.30	38.36	0.06	3563.23
	09/22/08	3601.54	37.56	40.67	3.11	3563.36
	09/29/08	3601.54	38.02	38.04	0.02	3563.52

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	10/07/08	3601.54	37.49	40.69	3.20	3563.41
	10/14/08	3601.54	38.00	38.01	0.01	3563.54
	10/20/08	3601.54	37.18	40.30	3.12	3563.74
	10/27/08	3601.54	37.98	37.99	0.01	3563.56
	11/10/08	3601.54	37.40	40.68	3.28	3563.48
	11/24/08	3601.54	37.98	37.99	0.01	3563.56
	12/01/08	3601.54	37.43	40.63	3.20	3563.47
	12/08/08	3601.54	38.00	38.01	0.01	3563.54
	12/24/08	3601.54	37.56	40.72	3.16	3563.35
	12/29/08	3601.54	38.12	38.14	0.02	3563.42
	01/06/09	3601.54	37.38	40.75	3.37	3563.49
	01/19/09	3601.54	37.64	40.72	3.08	3563.28
	01/26/09	3601.54	38.26	38.31	0.05	3563.27
	02/10/09	3601.54	37.72	40.85	3.13	3563.19
	02/26/09	3601.54	38.26	38.29	0.03	3563.27
	03/02/09	3601.54	37.80	40.71	2.91	3563.16
	03/09/09	3601.54	38.31	38.34	0.03	3563.22
	03/16/09	3601.54	37.85	40.75	2.90	3563.11
	03/24/09	3601.54	38.36	38.41	0.05	3563.17
	03/30/09	3601.54	39.82	40.72	0.90	3561.54
	04/06/09	3601.54	38.41	38.46	0.05	3563.12
	04/14/09	3601.54	37.88	40.68	2.80	3563.10
	04/20/09	3601.54	37.59	40.37	2.78	3563.39
	04/28/09	3601.54	38.48	38.58	0.10	3563.04
	05/11/09	3601.54	38.50	38.60	0.10	3563.02
	05/26/09	3601.54	38.51	38.70	0.19	3562.99
	06/01/09	3601.54	38.54	38.61	0.07	3562.99
	06/02/09	3601.54	38.74	38.80	0.06	3562.79
	06/09/09	3601.54	38.00	40.57	2.57	3563.03
	06/15/09	3601.54	38.58	38.85	0.27	3562.91
	06/29/09	3601.54	38.02	40.50	2.48	3563.02
	07/06/09	3601.54	38.65	38.66	0.01	3562.89
	07/14/09	3601.54	38.06	40.49	2.43	3562.99
	07/20/09	3601.54	38.87	38.88	0.01	3562.67
	07/27/09	3601.54	37.94	40.33	2.39	3563.12
	08/03/09	3601.54	38.98	39.04	0.06	3562.55
	08/04/09	3601.54	38.78	38.79	0.01	3562.76
	08/12/09	3601.54	38.03	40.05	2.02	3563.11
	08/24/09	3601.54	38.74	38.75	0.01	3562.80

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	08/31/09	3601.54	38.95	40.45	1.50	3562.29
	09/08/09	3601.54	39.10	39.25	0.15	3562.41
	09/16/09	3601.54	39.91	40.40	0.49	3561.53
	09/28/09	3601.54	38.60	38.67	0.07	3562.93
	10/05/09	3601.54	38.85	38.86	0.01	3562.69
	10/12/09	3601.54	38.00	40.40	2.40	3563.06
	10/26/09	3601.54	38.05	40.40	2.35	3563.02
	11/03/09	3601.54	38.07	40.39	2.32	3563.01
	11/10/09	3601.54	38.92	38.93	0.01	3562.62
	11/23/09	3601.54	38.10	40.38	2.28	3562.98
	11/30/09	3601.54	38.69	38.71	0.02	3562.85
	12/07/09	3601.54	38.07	40.40	2.33	3563.00
	12/22/09	3601.54	38.38	40.19	1.81	3562.80
	01/04/10	3601.54	38.22	40.40	2.18	3562.88
	01/11/10	3601.54	38.26	40.38	2.12	3562.86
	01/18/10	3601.54	38.28	40.40	2.12	3562.84
	01/25/10	3601.54	38.29	40.40	2.11	3562.83
	02/01/10	3601.54	38.33	40.41	2.08	3562.79
	02/08/10	3601.54	38.36	40.42	2.06	3562.77
	02/22/10	3601.54	38.39	40.42	2.03	3562.74
	03/01/10	3601.54	38.40	40.42	2.02	3562.74
	03/08/10	3601.54	38.92	38.93	0.01	3562.62
	03/22/10	3601.54	39.04	39.11	0.07	3562.49
	03/29/10	3601.54	38.47	40.39	1.92	3562.69
	04/05/10	3601.54	38.46	40.38	1.92	3562.70
	04/13/10	3601.54	38.50	40.42	1.92	3562.66
	04/19/10	3601.54	38.50	40.40	1.90	3562.66
	04/20/10	3601.54	39.51	39.80	0.29	3561.97
	04/26/10	3601.54	38.51	40.38	1.87	3562.66
	05/03/10	3601.54	39.21	39.26	0.05	3562.32
	05/14/10	3601.54	38.34	40.40	2.06	3562.79
	05/20/10	3601.54	39.56	40.10	0.54	3561.87
	05/27/10	3601.54	39.25	39.30	0.05	3562.28
	06/01/10	3601.54	38.62	40.38	1.76	3562.57
	06/07/10	3601.54	39.30	39.38	0.08	3562.22
	06/15/10	3601.54	38.67	40.44	1.77	3562.52
	06/28/10	3601.54	39.38	39.44	0.06	3562.15
	07/06/10	3601.54	38.66	40.40	1.74	3562.53
	07/13/10	3601.54	38.26	40.42	2.16	3562.85

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	07/19/10	3601.54	38.90	39.26	0.36	3562.57
	07/26/10	3601.54	38.09	40.39	2.30	3562.99
	07/27/10	3601.54	38.45	38.98	0.53	3562.98
	07/28/10	3601.54	37.50	40.06	2.56	3563.53
	08/09/10	3601.54	38.58	39.03	0.45	3562.87
	08/16/10	3601.54	39.89	40.05	0.16	3561.62
	08/30/10	3601.54	37.80	40.05	2.25	3563.29
	09/08/10	3601.54	38.60	38.65	0.05	3562.93
	09/13/10	3601.54	37.74	39.57	1.83	3563.43
	09/20/10	3601.54	37.70	39.80	2.10	3563.42
	09/27/10	3601.54	38.28	38.70	0.42	3563.18
	10/04/10	3601.54	38.32	38.60	0.28	3563.16
	10/12/10	3601.54	37.73	39.82	2.09	3563.39
	10/19/10	3601.54	38.39	38.80	0.41	3563.07
	10/25/10	3601.54	37.75	40.00	2.25	3563.34
	11/01/10	3601.54	37.82	40.17	2.35	3563.25
	11/09/10	3601.54	37.82	40.40	2.58	3563.20
	11/22/10	3601.54	38.68	39.12	0.44	3562.77
	12/06/10	3601.54	38.22	39.45	1.23	3563.07
	01/03/11	3601.54	38.14	40.40	2.26	3562.95
	01/10/11	3601.54	38.21	40.45	2.24	3562.88
	01/17/11	3601.54	38.25	40.44	2.19	3562.85
	01/29/11	3601.54	38.23	40.45	2.22	3562.87
	01/31/11	3601.54	38.29	40.40	2.11	3562.83
	02/07/11	3601.54	38.19	39.70	1.51	3563.05
	02/15/11	3601.54	38.33	40.42	2.09	3562.79
	03/01/11	3601.54	38.45	40.47	2.02	3562.69
	03/07/11	3601.54	38.48	40.45	1.97	3562.67
	03/21/11	3601.54	39.14	39.56	0.42	3562.32
	03/28/11	3601.54	39.20	39.71	0.51	3562.24
	07/29/11	3601.54	39.00	40.32	1.32	3562.28
	08/04/11	3601.54	38.97	40.35	1.38	3562.29
	08/11/11	3601.54	39.41	40.13	0.72	3561.99
	09/14/11	3601.54	39.65	40.48	0.83	3561.72
	10/10/11	3601.54	39.23	40.38	1.15	3562.08
	11/18/11	3601.54	39.42	40.37	0.95	3561.93
	01/06/12	3601.54	39.80	40.38	0.58	3561.62
	01/26/12	3601.54	39.90	40.36	0.46	3561.55
	02/23/12	3601.54	39.96	40.38	0.42	3561.50

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	03/29/12	3601.54	39.18	39.45	0.27	3562.31
	04/19/12	3601.54	39.88	39.92	0.04	3561.65
	05/29/12	3601.54	40.02	40.46	0.44	3561.43
	06/07/12	3601.54	40.28	40.44	0.16	3561.23
	09/20/12	3601.54	40.29	40.54	0.25	3561.20
	11/29/12	3601.54	40.46	40.58	0.12	3561.06
	02/26/13	3601.54	dry	dry	dry	dry
	03/14/13	3601.54	dry	dry	dry	dry
	05/09/13	3601.54	dry	dry	dry	dry
	06/07/13	3601.54	dry	dry	dry	dry
	07/02/13	3601.54	dry	dry	dry	dry
	07/22/13	3601.54	dry	dry	dry	dry
	08/22/13	3601.54	dry	dry	dry	dry
	09/19/13	3601.54	dry	dry	dry	dry
	10/03/13	3601.54	dry	dry	dry	dry
	11/27/13	3601.54	dry	dry	dry	dry
	01/21/14	3601.54	nm	nm	nm	nm
	02/13/14	3601.54	dry	dry	dry	dry
	03/10/14	3601.54	dry	dry	dry	dry
	03/24/14	3601.54	dry	dry	dry	dry
	04/28/14	3601.54	dry	dry	dry	dry
	06/09/14	3601.54	dry	dry	dry	dry
	07/28/14	3601.54	dry	dry	dry	dry
	08/19/14	3601.54	dry	dry	dry	dry
	10/01/14	3601.54	dry	dry	dry	dry
	11/24/14	3601.54	dry	dry	dry	dry
	01/08/15	3601.54	dry	dry	dry	dry
	03/09/15	3601.54	dry	dry	dry	dry
	04/24/15	3601.54	dry	dry	dry	dry
	05/13/15	3601.54	dry	dry	dry	dry
	06/08/15	3601.54	dry	dry	dry	dry
	07/29/15	3601.54	dry	dry	dry	dry
	08/18/15	3601.54	dry	dry	dry	dry
	09/29/15	3601.54	dry	dry	dry	dry
	11/20/15	3601.54	dry	dry	dry	dry
MW-6	02/27/01	3599.83	31.31	35.80	4.49	3567.62
	06/25/01	3599.83	33.02	33.12	0.10	3566.79
	09/25/01	3599.83	32.83	37.11	4.28	3566.14

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	12/11/01	3599.83	33.18	37.34	4.16	3565.82
	11/05/02	3599.83	34.00	38.22	4.22	3564.99
	04/21/03	3599.83	34.30	38.23	3.93	3564.74
	11/05/03	3599.83	35.06	39.15	4.09	3563.95
	01/19/04	3599.83	35.36	39.48	4.12	3563.65
	04/19/04	3599.83	35.40	39.15	3.75	3563.68
	07/20/04	3599.83	35.16	38.24	3.08	3564.05
	10/25/04	3599.83	33.22	34.38	1.16	3566.38
	12/08/04	3599.83	32.08	33.33	1.25	3567.50
	01/24/05	3599.83	31.39	32.53	1.14	3568.21
	02/14/05	3599.83	31.56	32.61	1.05	3568.06
	04/18/05	3599.83	31.78	32.98	1.20	3567.81
	07/18/05	3599.83	32.49	34.04	1.55	3567.03
	08/18/05	3599.83	32.79	34.47	1.68	3566.70
	09/29/05	3599.83	32.69	33.66	0.97	3566.95
	10/17/05	3599.83	32.57	33.38	0.81	3567.10
	11/03/05	3599.83	32.55	33.53	0.98	3567.08
	12/21/05	3599.83	32.78	33.62	0.84	3566.88
	12/28/05	3599.83	32.88	33.93	1.05	3566.74
	01/04/06	3599.83	32.92	34.05	1.13	3566.68
	01/10/06	3599.83	33.06	33.17	0.11	3566.75
	01/11/06	3599.83	32.99	33.51	0.52	3566.74
	01/16/06	3599.83	33.12	33.23	0.11	3566.69
	01/23/06	3599.83	33.09	33.20	0.11	3566.72
	02/01/06	3599.83	33.21	33.29	0.08	3566.60
	02/16/06	3599.83	33.32	33.43	0.11	3566.49
	03/06/06	3599.83	33.35	33.65	0.30	3566.42
	03/29/06	3599.83	33.62	33.77	0.15	3566.18
	04/04/06	3599.83	33.67	33.84	0.17	3566.13
	04/11/06	3599.83	33.70	33.99	0.29	3566.07
	04/17/06	3599.83	33.75	33.86	0.11	3566.06
	04/24/06	3599.83	33.70	34.13	0.43	3566.04
	05/03/06	3599.83	33.82	34.18	0.36	3565.94
	05/31/06	3599.83	34.01	34.47	0.46	3565.73
	06/09/06	3599.83	34.08	34.45	0.37	3565.68
	06/12/06	3599.83	34.10	34.55	0.45	3565.64
	06/26/06	3599.83	34.17	34.87	0.70	3565.52
	07/05/06	3599.83	34.21	35.01	0.80	3565.46
	07/10/06	3599.83	34.25	35.01	0.76	3565.43

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	07/17/06	3599.83	34.28	35.12	0.84	3565.38
	07/24/06	3599.83	34.21	35.07	0.86	3565.45
	08/08/06	3599.83	34.37	35.01	0.64	3565.33
	08/14/06	3599.83	34.45	35.06	0.61	3565.26
	08/28/06	3599.83	34.46	35.11	0.65	3565.24
	09/14/06	3599.83	34.15	34.41	0.26	3565.63
	09/21/06	3599.83	34.05	34.32	0.27	3565.73
	09/25/06	3599.83	34.04	34.23	0.19	3565.75
	10/02/06	3599.83	33.91	34.21	0.30	3565.86
	10/10/06	3599.83	33.84	34.15	0.31	3565.93
	10/16/06	3599.83	33.81	34.00	0.19	3565.98
	10/23/06	3599.83	33.65	33.96	0.31	3566.12
	10/30/06	3599.83	33.79	33.87	0.08	3566.02
	11/06/06	3599.83	33.76	33.87	0.11	3566.05
	11/21/06	3599.83	33.74	33.82	0.08	3566.07
	11/28/06	3599.83	33.72	33.84	0.12	3566.09
	12/05/06	3599.83	33.76	33.94	0.18	3566.03
	12/11/06	3599.83	33.76	33.81	0.05	3566.06
	12/18/06	3599.83	33.86	33.94	0.08	3565.95
	01/02/07	3599.83	33.97	34.10	0.13	3565.83
	01/08/07	3599.83	34.01	34.13	0.12	3565.80
	01/23/07	3599.83	33.90	34.41	0.51	3565.83
	02/05/07	3599.83	34.23	34.47	0.24	3565.55
	02/26/07	3599.83	34.33	34.78	0.45	3565.41
	03/05/07	3599.83	34.35	35.09	0.74	3565.33
	03/13/07	3599.83	34.38	35.31	0.93	3565.26
	03/19/07	3599.83	34.42	35.35	0.93	3565.22
	03/26/07	3599.83	34.45	35.43	0.98	3565.18
	04/02/07	3599.83	34.55	35.20	0.65	3565.15
	04/23/07	3599.83	34.44	35.34	0.90	3565.21
	05/01/07	3599.83	34.60	35.54	0.94	3565.04
	05/29/07	3599.83	34.64	35.57	0.93	3565.00
	06/04/07	3599.83	34.74	34.90	0.16	3565.06
	06/11/07	3599.83	34.73	34.87	0.14	3565.07
	06/18/07	3599.83	34.78	34.78	0.00	3565.05
	06/26/07	3599.83	34.65	34.78	0.13	3565.15
	07/09/07	3599.83	34.65	34.93	0.28	3565.12
	07/17/07	3599.83	34.66	34.99	0.33	3565.10
	07/23/07	3599.83	34.63	35.04	0.41	3565.12

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	07/30/07	3599.83	34.73	34.72	0.01	3565.10
	08/08/07	3599.83	34.73	34.72	0.01	3565.10
	08/20/07	3599.83	34.76	34.94	0.18	3565.03
	08/27/07	3599.83	34.78	35.06	0.28	3564.99
	09/04/07	3599.83	34.80	35.16	0.36	3564.96
	09/10/07	3599.83	34.83	35.01	0.18	3564.96
	09/25/07	3599.83	34.67	35.13	0.46	3565.07
	10/02/07	3599.83	--	34.67	--	3565.16
	10/11/07	3599.83	34.45	35.29	0.84	3565.21
	10/22/07	3599.83	34.23	35.24	1.01	3565.40
	10/31/07	3599.83	34.46	34.51	0.05	3565.36
	11/12/07	3599.83	34.28	35.41	1.13	3565.32
	11/19/07	3599.83	34.47	34.55	0.08	3565.34
	12/05/07	3599.83	34.34	35.77	1.43	3565.20
	12/10/07	3599.83	34.65	34.66	0.01	3565.18
	12/20/07	3599.83	34.50	35.84	1.34	3565.06
	01/02/08	3599.83	34.68	35.73	1.05	3564.94
	01/07/08	3599.83	34.74	35.59	0.85	3564.92
	01/28/08	3599.83	34.63	35.69	1.06	3564.99
	02/12/08	3599.83	35.04	35.35	0.31	3564.73
	02/26/08	3599.83	35.16	35.31	0.15	3564.64
	03/11/08	3599.83	35.08	36.32	1.24	3564.50
	03/17/08	3599.83	35.27	35.37	0.10	3564.54
	03/24/08	3599.83	35.18	36.26	1.08	3564.43
	03/31/08	3599.83	35.35	35.55	0.20	3564.44
	04/14/08	3599.83	35.15	37.14	1.99	3564.28
	04/21/08	3599.83	34.91	37.19	2.28	3564.46
	04/28/08	3599.83	35.20	37.51	2.31	3564.17
	05/20/08	3599.83	35.28	37.90	2.62	3564.03
	06/02/08	3599.83	35.34	38.08	2.74	3563.94
	06/09/08	3599.83	35.69	36.37	0.68	3564.00
	06/16/08	3599.83	35.79	36.15	0.36	3563.97
	06/30/08	3599.83	35.50	38.30	2.80	3563.77
	07/14/08	3599.83	35.49	36.53	1.04	3564.13
	07/21/08	3599.83	35.41	37.87	2.46	3563.93
	08/06/08	3599.83	35.92	37.15	1.23	3563.66
	08/18/08	3599.83	35.77	38.51	2.74	3563.51
	09/09/08	3599.83	36.21	36.57	0.36	3563.55
	09/15/08	3599.83	35.90	38.44	2.54	3563.42

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	09/22/08	3599.83	36.24	36.68	0.44	3563.50
	09/29/08	3599.83	36.26	36.66	0.40	3563.49
	10/07/08	3599.83	36.26	36.65	0.39	3563.49
	10/14/08	3599.83	36.22	36.97	0.75	3563.46
	10/20/08	3599.83	35.53	38.48	2.95	3563.71
	10/27/08	3599.83	36.20	36.98	0.78	3563.47
	11/10/08	3599.83	36.13	36.90	0.77	3563.55
	11/24/08	3599.83	36.00	36.88	0.88	3563.65
	12/01/08	3599.83	35.74	39.24	3.50	3563.39
	12/08/08	3599.83	35.74	39.33	3.59	3563.37
	12/24/08	3599.83	35.82	39.48	3.66	3563.28
	12/29/08	3599.83	35.85	39.55	3.70	3563.24
	01/06/09	3599.83	36.45	36.49	0.04	3563.37
	01/19/09	3599.83	35.92	39.56	3.64	3563.18
	01/26/09	3599.83	36.61	36.65	0.04	3563.21
	02/10/09	3599.83	36.00	39.74	3.74	3563.08
	02/26/09	3599.83	36.62	36.61	0.01	3563.21
	03/02/09	3599.83	36.20	38.97	2.77	3563.08
	03/09/09	3599.83	--	36.66	--	3563.17
	03/16/09	3599.83	36.17	39.50	3.33	3562.99
	03/24/09	3599.83	--	36.68	--	3563.15
	03/30/09	3599.83	36.20	39.35	3.15	3563.00
	04/06/09	3599.83	--	36.71	--	3563.12
	04/14/09	3599.83	36.24	39.51	3.27	3562.94
	04/20/09	3599.83	35.97	39.24	3.27	3563.21
	04/28/09	3599.83	36.74	36.85	0.11	3563.07
	05/11/09	3599.83	--	36.80	--	3563.03
	05/26/09	3599.83	36.26	40.00	3.74	3562.82
	06/01/09	3599.83	36.88	36.92	0.04	3562.94
	06/02/09	3599.83	37.30	37.70	0.40	3562.45
	06/09/09	3599.83	36.79	37.40	0.61	3562.92
	06/15/09	3599.83	36.75	37.49	0.74	3562.93
	06/29/09	3599.83	36.38	39.80	3.42	3562.77
	07/06/09	3599.83	36.85	37.51	0.66	3562.85
	07/14/09	3599.83	36.89	37.41	0.52	3562.84
	07/20/09	3599.83	36.92	37.49	0.57	3562.80
	07/27/09	3599.83	36.42	37.24	0.82	3563.25
	08/03/09	3599.83	36.67	38.85	2.18	3562.72
	08/04/09	3599.83	36.92	37.53	0.61	3562.79

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	08/12/09	3599.83	36.88	37.50	0.62	3562.83
	08/24/09	3599.83	36.82	37.57	0.75	3562.86
	08/31/09	3599.83	36.81	37.53	0.72	3562.88
	09/08/09	3599.83	36.56	39.02	2.46	3562.78
	09/16/09	3599.83	36.78	37.48	0.70	3562.91
	09/28/09	3599.83	36.80	37.52	0.72	3562.89
	10/05/09	3599.83	36.59	38.83	2.24	3562.79
	10/12/09	3599.83	36.84	37.60	0.76	3562.84
	10/26/09	3599.83	36.46	39.77	3.31	3562.71
	11/03/09	3599.83	36.91	37.62	0.71	3562.78
	11/10/09	3599.83	36.92	37.64	0.72	3562.77
	11/23/09	3599.83	36.90	37.65	0.75	3562.78
	11/30/09	3599.83	36.98	37.37	0.39	3562.77
	12/07/09	3599.83	36.95	37.91	0.96	3562.69
	12/22/09	3599.83	37.06	37.74	0.68	3562.63
	01/04/10	3599.83	36.87	39.14	2.27	3562.51
	01/11/10	3599.83	36.79	39.60	2.81	3562.48
	01/18/10	3599.83	37.11	37.88	0.77	3562.57
	01/25/10	3599.83	36.84	39.48	2.64	3562.46
	02/01/10	3599.83	37.20	37.90	0.70	3562.49
	02/08/10	3599.83	37.11	38.43	1.32	3562.46
	02/22/10	3599.83	37.28	37.95	0.67	3562.42
	03/01/10	3599.83	37.28	37.93	0.65	3562.42
	03/08/10	3599.83	37.28	37.95	0.67	3562.42
	03/22/10	3599.83	37.30	37.96	0.66	3562.40
	03/29/10	3599.83	37.29	38.09	0.80	3562.38
	04/05/10	3599.83	37.32	38.12	0.80	3562.35
	04/13/10	3599.83	37.35	38.17	0.82	3562.32
	04/19/10	3599.83	37.32	38.22	0.90	3562.33
	04/20/10	3599.83	37.45	37.62	0.17	3562.35
	04/26/10	3599.83	37.12	39.38	2.26	3562.26
	05/03/10	3599.83	37.50	37.72	0.22	3562.29
	05/14/10	3599.83	37.13	39.63	2.50	3562.20
	05/20/10	3599.83	37.46	37.99	0.53	3562.26
	05/27/10	3599.83	37.55	37.76	0.21	3562.24
	06/01/10	3599.83	37.27	39.26	1.99	3562.16
	06/07/10	3599.83	37.60	37.81	0.21	3562.19
	06/15/10	3599.83	37.25	39.57	2.32	3562.12
	06/28/10	3599.83	37.51	38.81	1.30	3562.06

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Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	07/06/10	3599.83	37.27	39.12	1.85	3562.19
	07/13/10	3599.83	36.65	38.29	1.64	3562.85
	07/19/10	3599.83	36.88	37.40	0.52	3562.85
	07/26/10	3599.83	36.67	37.88	1.21	3562.92
	07/27/10	3599.83	36.80	36.83	0.03	3563.02
	07/28/10	3599.83	36.74	37.17	0.43	3563.00
	08/09/10	3599.83	36.46	37.85	1.39	3563.09
	08/16/10	3599.83	36.43	37.58	1.15	3563.17
	08/30/10	3599.83	36.35	37.09	0.74	3563.33
	09/08/10	3599.83	36.27	37.15	0.88	3563.38
	09/13/10	3599.83	36.35	36.62	0.27	3563.43
	09/20/10	3599.83	36.35	36.62	0.27	3563.43
	09/27/10	3599.83	36.20	37.30	1.10	3563.41
	10/04/10	3599.83	36.35	36.65	0.30	3563.42
	10/12/10	3599.83	36.19	37.67	1.48	3563.34
	10/19/10	3599.83	36.43	36.75	0.32	3563.34
	10/25/10	3599.83	36.20	37.80	1.60	3563.31
	11/01/10	3599.83	36.51	36.79	0.28	3563.26
	11/09/10	3599.83	36.55	36.81	0.26	3563.23
	11/22/10	3599.83	36.66	36.83	0.17	3563.14
	12/06/10	3599.83	36.42	38.69	2.27	3562.96
	01/03/11	3599.83	36.59	39.29	2.70	3562.70
	01/10/11	3599.83	37.06	37.15	0.09	3562.75
	01/17/11	3599.83	36.95	38.26	1.31	3562.62
	01/29/11	3599.83	37.05	38.08	1.03	3562.57
	01/31/11	3599.83	36.92	39.02	2.10	3562.49
	02/07/11	3599.83	36.91	39.47	2.56	3562.41
	02/15/11	3599.83	37.35	37.68	0.33	3562.41
	03/01/11	3599.83	37.38	37.66	0.28	3562.39
	03/07/11	3599.83	37.42	38.07	0.65	3562.28
	03/21/11	3599.83	37.50	38.87	1.37	3562.06
	03/28/11	3599.83	37.44	41.37	3.93	3561.60
	07/29/11	3599.83	37.18	41.12	3.94	3561.86
	08/04/11	3599.83	37.48	41.44	3.96	3561.56
	08/11/11	3599.83	37.51	41.49	3.98	3561.52
	09/14/11	3599.83	37.63	41.70	4.07	3561.39
	10/10/11	3599.83	37.72	41.93	4.21	3561.27
	11/18/11	3599.83	37.86	41.96	4.10	3561.15
	01/06/12	3599.83	38.07	42.13	4.06	3560.95

**Historical Water Level Measurements
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Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	01/26/12	3599.83	38.14	42.13	3.99	3560.89
	02/23/12	3599.83	38.24	42.29	4.05	3560.78
	03/29/12	3599.83	38.33	42.47	4.14	3560.67
	04/19/12	3599.83	38.41	42.61	4.20	3560.58
	05/29/12	3599.83	38.62	42.86	4.24	3560.36
	06/07/12	3599.83	38.87	41.29	2.42	3560.48
	09/20/12	3599.83	38.80	42.73	3.93	3560.24
	11/15/12	3599.83	38.72	42.64	3.92	3560.33
	11/29/12	3599.83	39.03	42.93	3.90	3560.02
	12/20/12	3599.83	39.11	43.03	3.92	3559.94
	02/26/13	3599.83	39.27	43.02	3.75	3559.81
	03/07/13	3599.83	39.26	43.04	3.78	3559.81
	03/14/13	3599.83	39.29	43.14	3.85	3559.77
	04/10/13	3599.83	39.35	42.98	3.63	3559.75
	05/09/13	3599.83	39.48	42.97	3.49	3559.65
	06/07/13	3599.83	39.57	42.99	3.42	3559.58
	07/02/13	3599.83	39.53	43.26	3.73	3559.55
	07/22/13	3599.83	40.11	42.00	1.89	3559.34
	08/22/13	3599.83	39.84	42.74	2.90	3559.41
	09/19/13	3599.83	40.38	41.11	0.73	3559.30
	10/03/13	3599.83	40.39	41.29	0.90	3559.26
	11/27/13	3599.83	40.41	41.85	1.44	3559.13
	01/21/14	3599.83	40.45	42.34	1.89	3559.00
	02/13/14	3599.83	40.74	40.95	0.21	3559.05
	03/10/14	3599.83	40.82	41.01	0.19	3558.97
	03/24/14	3599.83	40.88	41.01	0.13	3558.92
	04/28/14	3599.83	40.97	41.00	0.03	3558.85
	06/09/14	3599.83	40.98	42.03	1.05	3558.64
	07/28/14	3599.83	41.29	41.47	0.18	3558.50
	08/19/14	3599.83	41.32	41.49	0.17	3558.48
	10/01/14	3599.83	41.23	42.70	1.47	3558.31
	11/24/14	3599.83	40.73	42.68	1.95	3558.71
	01/08/15	3599.83	40.58	42.78	2.20	3558.81
	03/09/15	3599.83	40.57	42.74	2.17	3558.83
	04/21/15	3599.83	41.12	41.89	0.77	3558.56
	04/22/15	3599.83	41.25	41.82	0.57	3558.47
	04/24/15	3599.83	41.28	42.16	0.88	3558.37
	05/13/15	3599.83	40.90	42.73	1.83	3558.56
	06/08/15	3599.83	40.82	42.78	1.96	3558.62

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	07/07/15	3599.83	40.71	42.75	2.04	3558.71
	07/08/15	3599.83	40.73	42.75	2.02	3558.70
	07/29/15	3599.83	40.70	42.75	2.05	3558.72
	08/18/15	3599.83	40.69	42.75	2.06	3558.73
	09/29/15	3599.83	40.69	42.75	2.06	3558.73
	11/20/15	3599.83	40.60	41.91	1.31	3558.97
MW-7 (SVE-6)	02/27/01	3602.11	33.60	39.35	5.75	3567.36
	06/25/01	3602.11	34.69	40.34	5.65	3566.29
	09/25/01	3602.11	35.14	40.83	5.69	3565.83
	12/11/01	3602.11	35.49	41.23	5.74	3565.47
	11/05/02	3602.11	36.67	42.25	5.58	3564.32
	04/21/03	3602.11	36.98	42.41	5.43	3564.04
	06/23/03	3602.11	37.21	42.02	4.81	3563.94
	11/05/03	3602.11	38.10	41.49	3.39	3563.33
	01/19/04	3602.11	38.79	39.63	0.84	3563.15
	04/19/04	3602.11	38.69	39.78	1.09	3563.20
	07/20/04	3602.11	37.98	41.40	3.42	3563.45
	10/25/04	3602.11	35.81	36.77	0.96	3566.11
	01/24/05	3602.11	34.03	34.75	0.72	3567.94
	04/18/05	3602.11	34.50	35.86	1.36	3567.34
	07/18/05	3602.11	35.27	37.59	2.32	3566.38
	08/19/05	3602.11	35.55	38.09	2.54	3566.05
	09/15/05	3602.11	35.71	36.40	0.69	3566.26
	09/29/05	3602.11	35.64	35.92	0.28	3566.41
	10/11/05	3602.11	35.34	36.64	1.30	3566.51
	10/17/05	3602.11	35.47	35.87	0.40	3566.56
	10/20/05	3602.11	35.29	36.22	0.93	3566.63
	11/03/05	3602.11	35.25	36.62	1.37	3566.59
	11/16/05	3602.11	35.49	36.20	0.71	3566.48
	12/06/05	3602.11	35.51	36.77	1.26	3566.35
	12/21/05	3602.11	35.62	36.97	1.35	3566.22
	12/28/05	3602.11	35.87	36.28	0.41	3566.16
	01/04/06	3602.11	35.77	36.10	0.33	3566.27
	01/11/06	3602.11	35.84	36.64	0.80	3566.11
	01/16/06	3602.11	36.02	36.12	0.10	3566.07
	01/23/06	3602.11	35.91	36.70	0.79	3566.04
	02/01/06	3602.11	36.10	36.43	0.33	3565.94
	02/16/06	3602.11	36.22	36.53	0.31	3565.83

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	03/06/06	3602.11	36.40	36.54	0.14	3565.68
	03/29/06	3602.11	36.55	36.84	0.29	3565.50
	04/04/06	3602.11	36.62	36.70	0.08	3565.47
	04/11/06	3602.11	36.65	36.82	0.17	3565.43
	04/17/06	3602.11	36.58	37.47	0.89	3565.35
	04/24/06	3602.11	36.52	37.86	1.34	3565.32
	05/03/06	3602.11	36.83	37.00	0.17	3565.25
	05/31/06	3602.11	36.89	37.90	1.01	3565.02
	06/09/06	3602.11	36.94	37.98	1.04	3564.96
	06/12/06	3602.11	37.14	37.43	0.29	3564.91
	06/26/06	3602.11	37.12	37.79	0.67	3564.86
	07/05/06	3602.11	37.13	38.10	0.97	3564.79
	07/10/06	3602.11	37.27	37.57	0.30	3564.78
	07/17/06	3602.11	37.31	37.91	0.60	3564.68
	07/24/06	3602.11	37.06	38.58	1.52	3564.75
	08/08/06	3602.11	37.15	38.92	1.77	3564.61
	08/14/06	3602.11	37.24	38.84	1.60	3564.55
	08/28/06	3602.11	37.18	39.27	2.09	3564.51
	09/14/06	3602.11	36.71	38.76	2.05	3564.99
	09/21/06	3602.11	36.65	38.43	1.78	3565.10
	09/25/06	3602.11	36.86	37.43	0.57	3565.14
	10/02/06	3602.11	36.55	37.82	1.27	3565.31
	10/10/06	3602.11	36.54	37.56	1.02	3565.37
	10/16/06	3602.11	36.54	37.56	1.02	3565.37
	10/23/06	3602.11	36.31	37.63	1.32	3565.54
	10/30/06	3602.11	36.60	37.11	0.51	3565.41
	11/06/06	3602.11	36.62	36.91	0.29	3565.43
	11/21/06	3602.11	36.61	37.00	0.39	3565.42
	11/28/06	3602.11	36.37	37.32	0.95	3565.55
	12/05/06	3602.11	36.44	37.46	1.02	3565.47
	12/11/06	3602.11	36.72	36.96	0.24	3565.34
	12/18/06	3602.11	36.80	37.10	0.30	3565.25
	01/02/07	3602.11	36.90	37.38	0.48	3565.11
	01/08/07	3602.11	37.00	37.20	0.20	3565.07
	01/23/07	3602.11	36.62	38.29	1.67	3565.16
	02/05/07	3602.11	37.23	37.42	0.19	3564.84
	02/26/07	3602.11	36.97	39.06	2.09	3564.72
	03/05/07	3602.11	37.10	39.02	1.92	3564.63
	03/13/07	3602.11	37.02	39.61	2.59	3564.57

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	03/19/07	3602.11	37.64	37.68	0.04	3564.46
	03/26/07	3602.11	37.12	39.72	2.60	3564.47
	04/02/07	3602.11	37.14	39.94	2.80	3564.41
	04/23/07	3602.11	37.05	40.09	3.04	3564.45
	05/01/07	3602.11	37.17	40.37	3.20	3564.30
	05/29/07	3602.11	37.14	40.55	3.41	3564.29
	06/04/07	3602.11	37.12	40.57	3.45	3564.30
	06/11/07	3602.11	37.17	40.03	2.86	3564.37
	06/18/07	3602.11	37.61	38.18	0.57	3564.39
	06/26/07	3602.11	37.20	39.37	2.17	3564.48
	07/09/07	3602.11	37.56	38.56	1.00	3564.35
	07/17/07	3602.11	37.27	39.22	1.95	3564.45
	07/23/07	3602.11	37.09	40.24	3.15	3564.39
	07/30/07	3602.11	37.50	38.00	0.50	3564.51
	08/08/07	3602.11	37.42	38.57	1.15	3564.46
	08/20/07	3602.11	37.36	39.41	2.05	3564.34
	08/27/07	3602.11	37.26	40.27	3.01	3564.25
	09/04/07	3602.11	37.74	38.06	0.32	3564.31
	09/10/07	3602.11	37.75	38.06	0.31	3564.30
	09/25/07	3602.11	37.12	39.95	2.83	3564.42
	10/02/07	3602.11	37.47	37.67	0.20	3564.60
	10/11/07	3602.11	36.98	39.46	2.48	3564.63
	10/22/07	3602.11	36.80	39.20	2.40	3564.83
	10/31/07	3602.11	37.35	37.46	0.11	3564.74
	11/12/07	3602.11	36.89	39.24	2.35	3564.75
	11/19/07	3602.11	37.49	37.53	0.04	3564.61
	12/05/07	3602.11	36.98	39.64	2.66	3564.60
	12/10/07	3602.11	37.45	37.55	0.10	3564.64
	12/20/07	3602.11	37.11	39.86	2.75	3564.45
	01/02/08	3602.11	37.31	39.81	2.50	3564.30
	01/07/08	3602.11	37.67	39.30	1.63	3564.11
	01/28/08	3602.11	37.19	40.51	3.32	3564.26
	02/12/08	3602.11	37.69	39.83	2.14	3563.99
	02/26/08	3602.11	38.08	38.95	0.87	3563.86
	03/11/08	3602.11	37.91	39.58	1.67	3563.87
	03/17/08	3602.11	38.17	39.11	0.94	3563.75
	03/24/08	3602.11	38.30	39.30	1.00	3563.61
	03/31/08	3602.11	38.33	39.25	0.92	3563.60
	04/14/08	3602.11	38.49	39.23	0.74	3563.47

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	04/21/08	3602.11	37.66	41.13	3.47	3563.76
	04/28/08	3602.11	38.64	39.24	0.60	3563.35
	05/20/08	3602.11	38.02	41.98	3.96	3563.30
	06/02/08	3602.11	38.14	42.19	4.05	3563.16
	06/09/08	3602.11	38.19	42.18	3.99	3563.12
	06/16/08	3602.11	38.15	42.16	4.01	3563.16
	06/30/08	3602.11	38.25	42.20	3.95	3563.07
	07/14/08	3602.11	38.31	42.17	3.86	3563.03
	07/21/08	3602.11	38.09	41.92	3.83	3563.25
	08/06/08	3602.11	38.39	42.19	3.80	3562.96
	08/18/08	3602.11	38.50	42.02	3.52	3562.91
	09/09/08	3602.11	38.88	41.25	2.37	3562.76
	09/15/08	3602.11	39.24	40.31	1.07	3562.66
	09/22/08	3602.11	39.25	40.28	1.03	3562.65
	09/29/08	3602.11	39.25	40.31	1.06	3562.65
	10/07/08	3602.11	39.25	40.37	1.12	3562.64
	10/14/08	3602.11	38.61	42.25	3.64	3562.77
	10/20/08	3602.11	38.21	40.00	1.79	3563.54
	11/10/08	3602.11	38.61	42.23	3.62	3562.78
	11/24/08	3602.11	38.50	42.20	3.70	3562.87
	12/01/08	3602.11	38.69	41.81	3.12	3562.80
	12/08/08	3602.11	39.18	40.77	1.59	3562.61
	12/24/08	3602.11	38.90	41.61	2.71	3562.67
	12/29/08	3602.11	39.37	40.97	1.60	3562.42
	01/06/09	3602.11	39.41	40.81	1.40	3562.42
	01/19/09	3602.11	38.70	42.26	3.56	3562.70
	01/26/09	3602.11	39.39	40.18	0.79	3562.56
	02/10/09	3602.11	39.11	41.58	2.47	3562.51
	02/26/09	3602.11	38.84	41.58	2.74	3562.72
	03/02/09	3602.11	38.95	42.20	3.25	3562.51
	03/09/09	3602.11	38.86	42.20	3.34	3562.58
	03/16/09	3602.11	38.91	42.22	3.31	3562.54
	03/24/09	3602.11	38.87	40.45	1.58	3562.92
	03/30/09	3602.11	39.00	42.25	3.25	3562.46
	04/06/09	3602.11	39.00	42.19	3.19	3562.47
	04/14/09	3602.11	38.96	42.15	3.19	3562.51
	04/20/09	3602.11	38.68	42.00	3.32	3562.77
	04/28/09	3602.11	40.02	40.04	0.02	3562.09
	05/11/09	3602.11	40.06	40.42	0.36	3561.98

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	05/26/09	3602.11	39.27	42.00	2.73	3562.29
	06/01/09	3602.11	39.11	42.00	2.89	3562.42
	06/02/09	3602.11	39.10	41.95	2.85	3562.44
	06/09/09	3602.11	39.07	41.95	2.88	3562.46
	06/15/09	3602.11	39.76	40.05	0.29	3562.29
	06/29/09	3602.11	39.10	41.90	2.80	3562.45
	07/06/09	3602.11	40.00	40.04	0.04	3562.10
	07/14/09	3602.11	39.15	41.90	2.75	3562.41
	07/20/09	3602.11	39.20	41.92	2.72	3562.37
	07/27/09	3602.11	39.04	42.00	2.96	3562.48
	08/03/09	3602.11	39.18	41.91	2.73	3562.38
	08/04/09	3602.11	39.19	41.92	2.73	3562.37
	08/12/09	3602.11	39.12	40.90	1.78	3562.63
	08/24/09	3602.11	39.88	40.40	0.52	3562.13
	08/31/09	3602.11	39.84	40.51	0.67	3562.14
	09/08/09	3602.11	39.95	40.47	0.52	3562.06
	09/16/09	3602.11	40.11	40.22	0.11	3561.98
	09/28/09	3602.11	39.92	39.96	0.04	3562.18
	10/12/09	3602.11	40.00	40.55	0.55	3562.00
	10/26/09	3602.11	39.13	41.77	2.64	3562.45
	11/03/09	3602.11	40.21	40.38	0.17	3561.87
	11/10/09	3602.11	39.17	41.75	2.58	3562.42
	11/23/09	3602.11	40.10	40.58	0.48	3561.91
	11/30/09	3602.11	39.24	41.75	2.51	3562.37
	12/07/09	3602.11	39.27	41.76	2.49	3562.34
	12/22/09	3602.11	39.30	41.75	2.45	3562.32
	01/04/10	3602.11	39.35	41.80	2.45	3562.27
	01/11/10	3602.11	39.36	41.68	2.32	3562.29
	01/18/10	3602.11	39.39	42.00	2.61	3562.20
	01/25/10	3602.11	39.40	41.80	2.40	3562.23
	02/01/10	3602.11	39.44	41.75	2.31	3562.21
	02/08/10	3602.11	39.46	41.80	2.34	3562.18
	02/22/10	3602.11	39.52	41.75	2.23	3562.14
	03/01/10	3602.11	39.53	41.75	2.22	3562.14
	03/08/10	3602.11	39.53	41.75	2.22	3562.14
	03/22/10	3602.11	39.55	41.75	2.20	3562.12
	03/29/10	3602.11	40.40	40.59	0.19	3561.67
	04/05/10	3602.11	40.40	40.66	0.26	3561.66
	04/13/10	3602.11	39.62	41.75	2.13	3562.06

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	04/19/10	3602.11	39.83	41.75	1.92	3561.90
	04/20/10	3602.11	40.72	40.79	0.07	3561.38
	04/26/10	3602.11	39.62	41.72	2.10	3562.07
	05/03/10	3602.11	40.73	40.76	0.03	3561.37
	05/14/10	3602.11	39.30	42.20	2.90	3562.23
	05/20/10	3602.11	40.70	40.87	0.17	3561.38
	05/27/10	3602.11	40.59	40.73	0.14	3561.49
	06/01/10	3602.11	40.55	40.80	0.25	3561.51
	06/07/10	3602.11	39.74	40.78	1.04	3562.16
	06/15/10	3602.11	40.65	40.91	0.26	3561.41
	06/28/10	3602.11	40.73	40.82	0.09	3561.36
	07/06/10	3602.11	40.68	40.82	0.14	3561.40
	07/13/10	3602.11	39.39	41.80	2.41	3562.24
	07/19/10	3602.11	39.38	41.80	2.42	3562.25
	07/26/10	3602.11	39.18	41.90	2.72	3562.39
	07/27/10	3602.11	39.50	40.48	0.98	3562.41
	07/28/10	3602.11	39.14	41.78	2.64	3562.44
	08/09/10	3602.11	39.00	41.75	2.75	3562.56
	08/16/10	3602.11	38.98	41.77	2.79	3562.57
	08/30/10	3602.11	39.18	40.44	1.26	3562.68
	09/08/10	3602.11	39.10	40.16	1.06	3562.80
	09/13/10	3602.11	38.80	41.43	2.63	3562.78
	09/20/10	3602.11	38.68	41.48	2.80	3562.87
	09/27/10	3602.11	39.42	40.50	1.08	3562.47
	10/04/10	3602.11	39.43	40.60	1.17	3562.45
	10/12/10	3602.11	38.76	41.42	2.66	3562.82
	10/19/10	3602.11	38.78	41.78	3.00	3562.73
	10/25/10	3602.11	38.75	41.77	3.02	3562.76
	11/01/10	3602.11	38.85	41.80	2.95	3562.67
	11/09/10	3602.11	40.10	40.09	0.01	3562.01
	11/22/10	3602.11	38.94	41.75	2.81	3562.61
	12/06/10	3602.11	40.25	40.26	0.01	3561.86
	01/03/11	3602.11	39.18	41.74	2.56	3562.42
	01/10/11	3602.11	39.17	41.74	2.57	3562.43
	01/17/11	3602.11	39.30	41.77	2.47	3562.32
	01/29/11	3602.11	39.36	41.75	2.39	3562.27
	01/31/11	3602.11	39.40	41.75	2.35	3562.24
	02/07/11	3602.11	39.49	41.75	2.26	3562.17
	02/15/11	3602.11	39.57	41.75	2.18	3562.10

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	03/01/11	3602.11	39.67	41.78	2.11	3562.02
	03/07/11	3602.11	39.70	41.38	1.68	3562.07
	03/21/11	3602.11	39.71	41.78	2.07	3561.99
	03/28/11	3602.11	40.43	41.66	1.23	3561.43
	07/29/11	3602.11	40.36	41.62	1.26	3561.50
	08/04/11	3602.11	40.34	41.63	1.29	3561.51
	08/11/11	3602.11	40.28	41.63	1.35	3561.56
	09/14/11	3602.11	40.39	41.62	1.23	3561.47
	10/10/11	3602.11	40.48	41.62	1.14	3561.40
	11/18/11	3602.11	40.68	41.62	0.94	3561.24
	01/06/12	3602.11	40.82	41.63	0.81	3561.13
	01/26/12	3602.11	40.93	41.63	0.70	3561.04
	02/23/12	3602.11	41.02	41.65	0.63	3560.96
	03/29/12	3602.11	38.39	41.74	3.35	3563.05
	04/19/12	3602.11	41.27	41.69	0.42	3560.76
	05/29/12	3602.11	41.43	41.68	0.25	3560.63
	06/07/12	3602.11	41.42	41.68	0.26	3560.64
	09/20/12	3602.11	41.55	41.68	0.13	3560.53
	11/29/12	3602.11	41.74	41.79	0.05	3560.36
	02/26/13	3602.11	dry	dry	dry	dry
	03/14/13	3602.11	dry	dry	dry	dry
	05/09/13	3602.11	dry	dry	dry	dry
	06/07/13	3602.11	dry	dry	dry	dry
	07/02/13	3602.11	dry	dry	dry	dry
	07/22/13	3602.11	dry	dry	dry	dry
	08/22/13	3602.11	dry	dry	dry	dry
	09/19/13	3602.11	dry	dry	dry	dry
	10/03/13	3602.11	dry	dry	dry	dry
	11/27/13	3602.11	dry	dry	dry	dry
	01/21/14	3602.11	nm	nm	nm	nm
	02/13/14	3602.11	dry	dry	dry	dry
	03/10/14	3602.11	dry	dry	dry	dry
	03/24/14	3602.11	dry	dry	dry	dry
	04/28/14	3602.11	dry	dry	dry	dry
	06/09/14	3602.11	dry	dry	dry	dry
	07/28/14	3602.11	dry	dry	dry	dry
	08/19/14	3602.11	dry	dry	dry	dry
	10/01/14	3602.11	dry	dry	dry	dry
	11/24/14	3602.11	dry	dry	dry	dry

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	01/08/15	3602.11	dry	dry	dry	dry
	03/09/15	3602.11	dry	dry	dry	dry
	04/24/15	3602.11	dry	dry	dry	dry
	05/13/15	3602.11	dry	dry	dry	dry
	06/08/15	3602.11	dry	dry	dry	dry
	07/29/15	3602.11	dry	dry	dry	dry
	08/18/15	3602.11	dry	dry	dry	dry
	09/29/15	3602.11	dry	dry	dry	dry
	11/20/15	3602.11	dry	dry	dry	dry
MW-8	02/27/01	3598.87	31.17	34.36	3.19	3567.06
	06/25/01	3598.87	31.93	35.59	3.66	3566.21
	09/25/01	3598.87	32.33	36.18	3.85	3565.77
	12/11/01	3598.87	32.63	36.71	4.08	3565.42
	11/05/02	3598.87	33.86	38.34	4.48	3564.11
	04/21/03	3598.87	34.22	38.64	4.42	3563.77
	06/23/03	3598.87	34.31	37.21	2.90	3563.98
	11/05/03	3598.87	34.43	39.85	5.42	3563.36
	01/19/04	3598.87	35.13	40.16	5.03	3562.73
	04/19/04	3598.87	35.20	39.41	4.21	3562.83
	07/20/04	3598.87	34.96	38.65	3.69	3563.17
	10/25/04	3598.87	32.93	35.70	2.77	3565.39
	01/24/05	3598.87	31.29	33.20	1.91	3567.20
	04/18/05	3598.87	31.67	33.44	1.77	3566.85
	07/18/05	3598.87	32.42	33.28	0.86	3566.28
	08/19/05	3598.87	32.68	34.64	1.96	3565.80
	09/15/05	3598.87	--	32.88	--	3565.99
	09/29/05	3598.87	32.61	34.59	1.98	3565.86
	10/11/05	3598.87	32.68	32.93	0.25	3566.14
	10/17/05	3598.87	32.56	33.49	0.93	3566.12
	11/03/05	3598.87	32.50	33.71	1.21	3566.13
	11/16/05	3598.87	32.62	33.65	1.03	3566.04
	11/29/05	3598.87	32.63	33.77	1.14	3566.01
	12/21/05	3598.87	32.69	33.83	1.14	3565.95
	12/28/05	3598.87	32.80	33.92	1.12	3565.85
	01/04/06	3598.87	32.84	34.11	1.27	3565.78
	01/11/06	3598.87	32.88	33.83	0.95	3565.80
	01/16/06	3598.87	33.05	33.31	0.26	3565.77
	01/23/06	3598.87	33.04	33.44	0.40	3565.75

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	02/01/06	3598.87	33.11	33.55	0.44	3565.67
	02/16/06	3598.87	33.24	33.52	0.28	3565.57
	03/06/06	3598.87	33.37	33.65	0.28	3565.44
	03/29/06	3598.87	33.56	33.75	0.19	3565.27
	04/04/06	3598.87	33.61	33.71	0.10	3565.24
	04/11/06	3598.87	33.67	33.81	0.14	3565.17
	04/17/06	3598.87	33.71	33.74	0.03	3565.15
	04/24/06	3598.87	33.64	34.11	0.47	3565.14
	05/03/06	3598.87	33.79	33.98	0.19	3565.04
	05/31/06	3598.87	34.00	34.07	0.07	3564.86
	06/09/06	3598.87	34.06	34.14	0.08	3564.79
	06/12/06	3598.87	34.10	34.13	0.03	3564.76
	06/26/06	3598.87	34.17	34.26	0.09	3564.68
	07/05/06	3598.87	34.23	34.34	0.11	3564.62
	07/10/06	3598.87	34.26	34.36	0.10	3564.59
	07/17/06	3598.87	34.30	34.41	0.11	3564.55
	07/24/06	3598.87	34.25	34.39	0.14	3564.59
	08/08/06	3598.87	34.39	34.49	0.10	3564.46
	08/14/06	3598.87	34.45	34.54	0.09	3564.40
	08/28/06	3598.87	34.46	34.67	0.21	3564.37
	09/14/06	3598.87	34.05	34.71	0.66	3564.69
	09/21/06	3598.87	33.95	34.61	0.66	3564.79
	09/25/06	3598.87	33.91	34.58	0.67	3564.83
	10/02/06	3598.87	33.80	34.56	0.76	3564.92
	10/10/06	3598.87	33.71	34.57	0.86	3564.99
	10/16/06	3598.87	33.76	33.98	0.22	3565.07
	10/23/06	3598.87	33.61	33.95	0.34	3565.19
	10/30/06	3598.87	33.76	33.79	0.03	3565.10
	11/06/06	3598.87	33.76	33.77	0.01	3565.11
	11/21/06	3598.87	33.65	34.13	0.48	3565.12
	11/28/06	3598.87	33.67	34.05	0.38	3565.12
	12/05/06	3598.87	33.67	34.12	0.45	3565.11
	12/11/06	3598.87	33.81	33.82	0.01	3565.06
	12/18/06	3598.87	33.74	34.38	0.64	3565.00
	01/02/07	3598.87	33.97	34.26	0.29	3564.84
	01/08/07	3598.87	34.05	34.06	0.01	3564.82
	01/23/07	3598.87	33.90	34.33	0.43	3564.88
	02/05/07	3598.87	34.12	34.72	0.60	3564.63
	02/26/07	3598.87	34.34	34.52	0.18	3564.49

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	03/05/07	3598.87	34.43	34.56	0.13	3564.41
	03/13/07	3598.87	34.42	34.64	0.22	3564.41
	03/19/07	3598.87	34.52	34.70	0.18	3564.31
	03/26/07	3598.87	34.55	34.64	0.09	3564.30
	04/02/07	3598.87	34.62	35.02	0.40	3564.17
	04/23/07	3598.87	34.50	34.75	0.25	3564.32
	05/01/07	3598.87	34.65	34.87	0.22	3564.18
	05/29/07	3598.87	34.68	35.14	0.46	3564.10
	06/04/07	3598.87	34.69	35.02	0.33	3564.11
	06/11/07	3598.87	34.62	35.08	0.46	3564.16
	06/18/07	3598.87	34.73	35.15	0.42	3564.06
	06/26/07	3598.87	34.57	35.10	0.53	3564.19
	07/09/07	3598.87	34.81	35.28	0.47	3563.97
	07/17/07	3598.87	34.60	35.33	0.73	3564.12
	07/23/07	3598.87	34.56	35.41	0.85	3564.14
	07/30/07	3598.87	34.64	35.33	0.69	3564.09
	08/08/07	3598.87	34.60	35.48	0.88	3564.09
	08/20/07	3598.87	34.67	35.56	0.89	3564.02
	08/27/07	3598.87	34.68	35.67	0.99	3563.99
	09/04/07	3598.87	34.84	35.73	0.89	3563.85
	09/10/07	3598.87	34.97	35.64	0.67	3563.77
	09/25/07	3598.87	34.64	35.40	0.76	3564.08
	10/02/07	3598.87	34.61	35.46	0.85	3564.09
	10/11/07	3598.87	34.48	35.33	0.85	3564.22
	10/22/07	3598.87	34.26	35.34	1.08	3564.39
	10/31/07	3598.87	34.46	35.42	0.96	3564.22
	11/12/07	3598.87	34.38	34.92	0.54	3564.38
	11/19/07	3598.87	34.49	35.15	0.66	3564.25
	12/05/07	3598.87	34.59	35.24	0.65	3564.15
	12/10/07	3598.87	34.68	35.39	0.71	3564.05
	12/20/07	3598.87	34.71	35.00	0.29	3564.10
	01/02/08	3598.87	34.76	35.21	0.45	3564.02
	01/07/08	3598.87	34.79	35.44	0.65	3563.95
	01/28/08	3598.87	34.65	35.49	0.84	3564.05
	02/12/08	3598.87	34.95	35.91	0.96	3563.73
	02/26/08	3598.87	35.13	35.61	0.48	3563.64
	03/11/08	3598.87	35.20	35.31	0.11	3563.65
	03/17/08	3598.87	35.23	35.42	0.19	3563.60
	03/24/08	3598.87	35.27	35.49	0.22	3563.56

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	03/31/08	3598.87	35.30	35.63	0.33	3563.50
	04/14/08	3598.87	35.37	35.85	0.48	3563.40
	04/21/08	3598.87	35.14	35.71	0.57	3563.62
	04/28/08	3598.87	35.56	35.56	0.00	3563.31
	05/20/08	3598.87	35.60	36.25	0.65	3563.14
	06/02/08	3598.87	35.75	35.76	0.01	3563.12
	06/09/08	3598.87	35.80	36.26	0.46	3562.98
	06/16/08	3598.87	35.90	35.89	0.01	3562.97
	06/30/08	3598.87	35.73	36.93	1.20	3562.90
	07/14/08	3598.87	36.20	36.23	0.03	3562.66
	07/21/08	3598.87	35.71	36.32	0.61	3563.04
	08/06/08	3598.87	36.03	36.85	0.82	3562.68
	08/18/08	3598.87	36.11	37.02	0.91	3562.58
	09/09/08	3598.87	36.26	36.88	0.62	3562.49
	09/15/08	3598.87	36.33	36.64	0.31	3562.48
	09/22/08	3598.87	36.30	36.67	0.37	3562.50
	09/29/08	3598.87	36.47	36.57	0.10	3562.38
	10/07/08	3598.87	36.02	37.45	1.43	3562.56
	10/14/08	3598.87	36.24	37.00	0.76	3562.48
	10/20/08	3598.87	35.65	37.27	1.62	3562.90
	10/27/08	3598.87	35.88	38.35	2.47	3562.50
	11/10/08	3598.87	35.75	39.30	3.55	3562.41
	11/24/08	3598.87	35.90	38.90	3.00	3562.37
	12/01/08	3598.87	35.66	39.59	3.93	3562.42
	12/08/08	3598.87	36.04	37.54	1.50	3562.53
	12/24/08	3598.87	36.38	36.65	0.27	3562.44
	12/29/08	3598.87	36.32	36.81	0.49	3562.45
	01/06/09	3598.87	36.48	36.51	0.03	3562.38
	01/19/09	3598.87	35.92	38.98	3.06	3562.34
	01/26/09	3598.87	36.60	36.81	0.21	3562.23
	02/10/09	3598.87	35.95	39.43	3.48	3562.22
	02/26/09	3598.87	36.48	36.60	0.12	3562.37
	03/02/09	3598.87	36.52	36.72	0.20	3562.31
	03/09/09	3598.87	36.13	38.79	2.66	3562.21
	03/16/09	3598.87	36.58	36.76	0.18	3562.25
	03/24/09	3598.87	36.14	39.00	2.86	3562.16
	03/30/09	3598.87	36.70	36.71	0.01	3562.17
	04/06/09	3598.87	36.24	38.70	2.46	3562.14
	04/14/09	3598.87	36.65	36.93	0.28	3562.16

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	04/20/09	3598.87	35.99	38.58	2.59	3562.36
	04/28/09	3598.87	36.68	36.95	0.27	3562.14
	05/11/09	3598.87	36.68	37.02	0.34	3562.12
	05/26/09	3598.87	36.80	37.05	0.25	3562.02
	06/01/09	3598.87	36.74	37.04	0.30	3562.07
	06/02/09	3598.87	36.90	36.91	0.01	3561.97
	06/09/09	3598.87	36.50	38.47	1.97	3561.98
	06/15/09	3598.87	36.95	36.94	0.01	3561.92
	06/29/09	3598.87	36.35	39.55	3.20	3561.88
	07/06/09	3598.87	36.71	38.05	1.34	3561.89
	07/14/09	3598.87	36.58	38.52	1.94	3561.90
	07/20/09	3598.87	36.42	39.71	3.29	3561.79
	07/27/09	3598.87	36.20	40.04	3.84	3561.90
	08/03/09	3598.87	36.34	40.39	4.05	3561.72
	08/04/09	3598.87	36.37	40.33	3.96	3561.71
	08/12/09	3598.87	36.88	37.70	0.82	3561.83
	08/24/09	3598.87	36.79	37.55	0.76	3561.93
	08/31/09	3598.87	36.80	37.66	0.86	3561.90
	09/08/09	3598.87	36.44	39.24	2.80	3561.87
	09/16/09	3598.87	36.85	37.76	0.91	3561.84
	09/28/09	3598.87	37.12	37.14	0.02	3561.75
	10/12/09	3598.87	36.73	38.34	1.61	3561.82
	10/26/09	3598.87	36.33	41.00	4.67	3561.61
	11/03/09	3598.87	37.81	38.82	1.01	3560.86
	11/10/09	3598.87	36.47	39.67	3.20	3561.76
	11/23/09	3598.87	37.45	37.76	0.31	3561.36
	11/30/09	3598.87	36.55	40.58	4.03	3561.51
	12/07/09	3598.87	36.73	38.70	1.97	3561.75
	12/22/09	3598.87	38.01	38.02	0.01	3560.86
	01/04/10	3598.87	36.55	40.38	3.83	3561.55
	01/11/10	3598.87	36.53	40.64	4.11	3561.52
	01/18/10	3598.87	38.02	38.03	0.01	3560.85
	01/25/10	3598.87	36.70	39.91	3.21	3561.53
	02/01/10	3598.87	36.63	40.68	4.05	3561.43
	02/08/10	3598.87	36.63	40.77	4.14	3561.41
	02/22/10	3598.87	--	38.17	--	3560.70
	03/01/10	3598.87	36.82	40.03	3.21	3561.41
	03/08/10	3598.87	--	38.18	--	3560.69
	03/22/10	3598.87	36.76	40.71	3.95	3561.32

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	03/29/10	3598.87	--	38.20	--	3560.67
	04/05/10	3598.87	36.92	40.05	3.13	3561.32
	04/13/10	3598.87	--	38.26	--	3560.61
	04/19/10	3598.87	37.04	39.83	2.79	3561.27
	04/26/10	3598.87	37.03	39.43	2.40	3561.36
	05/03/10	3598.87	--	38.20	--	3560.67
	05/14/10	3598.87	36.98	40.44	3.46	3561.20
	05/20/10	3598.87	38.11	38.12	0.01	3560.76
	05/27/10	3598.87	37.10	39.85	2.75	3561.22
	06/01/10	3598.87	--	38.11	--	3560.76
	06/07/10	3598.87	37.28	39.12	1.84	3561.22
	06/15/10	3598.87	38.02	38.40	0.38	3560.77
	06/28/10	3598.87	37.29	39.63	2.34	3561.11
	07/13/10	3598.87	36.22	38.91	2.69	3562.11
	07/19/10	3598.87	37.39	37.73	0.34	3561.41
	07/26/10	3598.87	36.48	38.24	1.76	3562.04
	07/27/10	3598.87	36.78	36.81	0.03	3562.08
	07/28/10	3598.87	36.61	37.02	0.41	3562.18
	08/09/10	3598.87	36.30	38.35	2.05	3562.16
	08/16/10	3598.87	37.40	37.42	0.02	3561.47
	08/30/10	3598.87	36.16	37.93	1.77	3562.36
	09/08/10	3598.87	37.17	37.18	0.01	3561.70
	09/13/10	3598.87	36.19	37.15	0.96	3562.49
	09/20/10	3598.87	36.65	36.66	0.01	3562.22
	09/27/10	3598.87	36.15	37.35	1.20	3562.48
	10/04/10	3598.87	36.92	36.93	0.01	3561.95
	10/12/10	3598.87	36.18	37.56	1.38	3562.41
	10/19/10	3598.87	37.00	37.01	0.01	3561.87
	10/25/10	3598.87	36.24	37.35	1.11	3562.41
	11/01/10	3598.87	36.76	37.36	0.60	3561.99
	11/09/10	3598.87	36.86	36.87	0.01	3562.01
	11/22/10	3598.87	36.33	38.25	1.92	3562.16
	12/06/10	3598.87	37.53	37.56	0.03	3561.33
	01/03/11	3598.87	36.50	39.50	3.00	3561.77
	01/17/11	3598.87	36.98	37.50	0.52	3561.79
	01/29/11	3598.87	36.65	39.68	3.03	3561.61
	01/31/11	3598.87	36.88	38.60	1.72	3561.65
	02/07/11	3598.87	36.66	40.23	3.57	3561.50
	02/15/11	3598.87	36.91	39.12	2.21	3561.52

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	03/01/11	3598.87	37.32	37.57	0.25	3561.50
	03/07/11	3598.87	37.42	37.43	0.01	3561.45
	03/21/11	3598.87	37.51	37.93	0.42	3561.28
	03/28/11	3598.87	37.65	37.68	0.03	3561.21
	07/29/11	3598.87	37.98	39.55	1.57	3560.58
	08/04/11	3598.87	37.60	39.90	2.30	3560.81
	08/11/11	3598.87	37.91	38.00	0.09	3560.94
	08/16/11	3598.87	37.91	38.19	0.28	3560.90
	09/14/11	3598.87	38.04	38.22	0.18	3560.79
	10/10/11	3598.87	38.03	39.12	1.09	3560.62
	11/18/11	3598.87	37.88	41.08	3.20	3560.35
	01/06/12	3598.87	38.12	41.40	3.28	3560.09
	01/26/12	3598.87	38.16	41.65	3.49	3560.01
	02/23/12	3598.87	38.23	41.64	3.41	3559.96
	03/29/12	3598.87	39.39	41.74	2.35	3559.01
	04/19/12	3598.87	38.61	41.90	3.29	3559.60
	05/29/12	3598.87	38.94	39.91	0.97	3559.74
	09/20/12	3598.87	39.09	41.03	1.94	3559.39
	11/15/12	3598.87	39.33	41.13	1.80	3559.18
	11/29/12	3598.87	39.46	41.91	2.45	3558.92
	12/20/12	3598.87	39.40	41.07	1.67	3559.14
	02/26/13	3598.87	39.67	41.49	1.82	3558.84
	03/07/13	3598.87	39.65	41.31	1.66	3558.89
	03/14/13	3598.87	39.86	41.97	2.11	3558.59
	04/10/13	3598.87	39.77	41.42	1.65	3558.77
	05/09/13	3598.87	39.99	41.63	1.64	3558.55
	06/07/13	3598.87	39.96	41.62	1.66	3558.58
	07/02/13	3598.87	39.81	41.43	1.62	3558.74
	07/22/13	3598.87	--	40.29	--	3558.58
	08/22/13	3598.87	--	40.32	--	3558.55
	09/19/13	3598.87	--	40.41	--	3558.46
	10/03/13	3598.87	--	40.37	--	3558.50
	11/27/13	3598.87	40.53	40.55	0.02	3558.34
	01/21/14	3598.87	--	40.71	--	3558.16
	02/13/14	3598.87	--	40.70	--	3558.17
	03/10/14	3598.87	--	40.78	--	3558.09
	03/24/14	3598.87	--	40.81	--	3558.06
	04/28/14	3598.87	--	40.97	--	3557.90
	06/09/14	3598.87	--	41.01	--	3557.86

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	07/28/14	3598.87	--	41.14	--	3557.73
	08/19/14	3598.87	--	41.31	--	3557.56
	10/01/14	3598.87	41.33	41.44	0.11	3557.52
	11/24/14	3598.87	41.15	41.46	0.31	3557.66
	01/08/15	3598.87	41.19	41.88	0.69	3557.54
	03/09/15	3598.87	41.12	41.89	0.77	3557.60
	04/21/15	3598.87	41.12	41.89	0.77	3557.60
	04/22/15	3598.87	--	41.31	--	3557.56
	04/24/15	3598.87	--	41.38	--	3557.49
	05/13/15	3598.87	41.40	41.60	0.20	3557.43
	05/27/15	3598.87	41.39	41.75	0.36	3557.41
	06/08/15	3598.87	41.42	41.89	0.47	3557.36
	06/24/15	3598.87	41.39	41.98	0.59	3557.36
	07/07/15	3598.87	41.44	42.01	0.57	3557.32
	07/08/15	3598.87	41.43	42.00	0.57	3557.33
	07/29/15	3598.87	41.40	42.00	0.60	3557.35
	08/18/15	3598.87	41.40	42.04	0.64	3557.34
	09/29/15	3598.87	41.44	42.04	0.60	3557.31
	11/20/15	3598.87	41.40	42.04	0.74	3557.42
MW-9 (NW-4)	02/27/01	3601.05	--	34.80	--	3566.25
	06/25/01	3601.05	35.11	35.78	0.67	3565.81
	09/25/01	3601.05	35.19	37.54	2.35	3565.39
	06/23/03	3601.05	34.55	38.80	4.25	3565.65
	04/22/15	3601.05	dry	dry	dry	dry
	05/13/15	3601.05	dry	dry	dry	dry
	06/08/15	3601.05	dry	dry	dry	dry
	07/07/15	3601.05	40.36	40.37	0.01	3,560.69
	07/08/15	3601.05	40.36	40.37	0.01	3,560.69
	08/18/15	3601.05	dry	dry	dry	dry
	09/29/15	3601.05	dry	dry	dry	dry
	11/20/15	3601.05	dry	dry	dry	dry
MW-10 (NIW-5)	02/27/01	3602.96	--	36.27	--	3566.69
	06/25/01	3602.96	--	36.69	--	3566.27
	09/25/01	3602.96	--	37.13	--	3565.83
	12/11/01	3602.96	--	37.49	--	3565.47
	05/20/02	3602.96	--	37.87	--	3565.09

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
MW-11	02/27/01	3600.67	--	32.13	--	3568.54
	06/25/01	3600.67	--	32.56	--	3568.11
	09/25/01	3600.67	--	32.99	--	3567.68
	12/11/01	3600.67	--	33.33	--	3567.34
	05/20/02	3600.67	--	33.83	--	3566.84
MW-12 (NIW-2)	02/27/01	3599.35	--	31.82	--	3567.53
	06/25/01	3599.35	--	32.23	--	3567.12
	09/25/01	3599.35	--	32.63	--	3566.72
	12/11/01	3599.35	--	32.94	--	3566.41
	05/20/02	3599.35	--	33.46	--	3565.89
MW-13	02/27/01	3601.67	--	36.44	--	3565.23
	06/25/01	3601.67	--	36.83	--	3564.84
	09/25/01	3601.67	--	37.23	--	3564.44
	12/11/01	3601.67	--	37.57	--	3564.10
	05/20/02	3601.67	--	38.04	--	3563.63
	08/28/02	3601.67	--	38.30	--	3563.37
	08/29/02	3601.67	--	38.30	--	3563.37
	11/07/02	3601.67	--	38.49	--	3563.18
	11/22/02	3601.67	--	38.45	--	3563.22
	11/29/02	3601.67	--	38.44	--	3563.23
	12/17/02	3601.67	--	38.37	--	3563.30
	12/18/02	3601.67	--	38.40	--	3563.27
	01/14/03	3601.67	--	38.39	--	3563.28
	02/24/03	3601.67	--	38.54	--	3563.13
	02/25/03	3601.67	--	38.52	--	3563.15
	04/03/03	3601.67	--	38.55	--	3563.12
	03/14/03	3601.67	--	38.57	--	3563.10
	04/23/03	3601.67	--	38.65	--	3563.02
	07/14/03	3601.67	--	38.95	--	3562.72
	10/15/03	3601.67	--	39.35	--	3562.32
	01/19/04	3601.67	--	39.37	--	3562.30
	04/19/04	3601.67	--	39.75	--	3561.92
	07/03/04	3601.67	--	38.63	--	3563.04
	07/20/04	3601.67	--	39.51	--	3562.16
	10/25/04	3601.67	--	37.97	--	3563.70
	11/03/04	3601.67	--	38.63	--	3563.04
	01/24/05	3601.67	--	36.03	--	3565.64

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	04/18/05	3601.67	--	36.17	--	3565.50
	07/18/05	3601.67	--	36.86	--	3564.81
	10/17/05	3601.67	--	36.92	--	3564.75
	11/03/05	3601.67	--	36.98	--	3564.69
	11/10/05	3601.67	--	36.98	--	3564.69
	11/16/05	3601.67	--	37.02	--	3564.65
	11/22/05	3601.67	37.01	37.00	0.01	3564.66
	11/29/05	3601.67	--	37.05	--	3564.62
	12/06/05	3601.67	--	37.05	--	3564.62
	12/12/05	3601.67	--	37.10	--	3564.57
	12/21/05	3601.67	--	37.16	--	3564.51
	01/04/06	3601.67	--	37.25	--	3564.42
	01/23/06	3601.67	--	37.31	--	3564.36
	04/24/06	3601.67	--	37.90	--	3563.77
	07/24/06	3601.67	--	38.42	--	3563.25
	10/23/06	3601.67	--	37.94	--	3563.73
	01/23/07	3601.67	--	38.23	--	3563.44
	04/23/07	3601.67	--	38.73	--	3562.94
	07/23/07	3601.67	--	38.91	--	3562.76
	10/22/07	3601.67	--	38.70	--	3562.97
	01/28/08	3601.67	--	39.03	--	3562.64
	04/21/08	3601.67	--	39.36	--	3562.31
	07/21/08	3601.67	--	39.79	--	3561.88
	10/20/08	3601.67	--	40.05	--	3561.62
	01/19/09	3601.67	--	40.18	--	3561.49
	04/20/09	3601.67	--	40.46	--	3561.21
	07/27/09	3601.67	--	40.80	--	3560.87
	10/26/09	3601.67	--	40.93	--	3560.74
	01/25/10	3601.67	--	41.19	--	3560.48
	10/10/11	3601.67	dry	dry	dry	dry
	02/26/13	3601.67	dry	dry	dry	dry
	07/22/13	3601.67	dry	dry	dry	dry
	03/24/14	3601.67	dry	dry	dry	dry
	07/28/14	3601.67	dry	dry	dry	dry
	03/10/15	3601.67	dry	dry	dry	dry
	07/29/15	3601.67	dry	dry	dry	dry
SV-1	02/27/01	3602.16	nm	nm	nm	nm
	06/25/01	3602.16	nm	nm	nm	nm

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	09/25/01	3602.16	nm	nm	nm	nm
	12/11/01	3602.16	nm	nm	nm	nm
	10/25/04	3602.16	dry	dry	dry	dry
	01/24/05	3602.16	dry	dry	dry	dry
	04/18/05	3602.16	dry	dry	dry	dry
	07/18/05	3602.16	dry	dry	dry	dry
	10/17/05	3602.16	dry	dry	dry	dry
	01/23/06	3602.16	dry	dry	dry	dry
	05/29/12	3602.16	--	22.97	--	3579.19
SVE-2 (SV-2)	02/27/01	3601.17	32.06	37.03	4.97	3568.12
	06/25/01	3601.17	32.67	37.28	4.61	3567.58
	09/25/01	3601.17	33.46	37.75	4.29	3566.85
	12/11/01	3601.17	33.74	37.69	3.95	3566.64
	11/05/02	3601.17	35.58	39.06	3.48	3564.89
	04/21/03	3601.17	35.65	39.33	3.68	3564.78
	11/05/03	3601.17	35.02	--	--	--
	04/18/05	3601.17	33.45	34.29	0.84	3567.55
	07/18/05	3601.17	34.17	35.27	1.10	3566.78
	10/17/05	3601.17	34.14	34.86	0.72	3566.89
	01/23/06	3601.17	34.58	35.71	1.13	3566.36
	04/24/06	3601.17	35.17	39.90	4.73	3565.05
MP-1	02/27/01	3601.87	nm	nm	nm	nm
	06/25/01	3601.87	nm	nm	nm	nm
	09/25/01	3601.87	nm	nm	nm	nm
	12/11/01	3601.87	nm	nm	nm	nm
	10/25/04	3601.87	dry	dry	dry	dry
	01/24/05	3601.87	dry	dry	dry	dry
	04/18/05	3601.87	dry	dry	dry	dry
	07/18/05	3601.87	dry	dry	dry	dry
	10/17/05	3601.87	dry	dry	dry	dry
	01/23/06	3601.87	dry	dry	dry	dry
	04/24/06	3601.87	--	22.93	--	3578.94
	05/29/12	3601.87	--	22.95	--	3578.92
MP-2	02/27/01	3601.87	nm	nm	nm	nm
	06/25/01	3601.87	33.15	37.66	4.51	3567.82
	09/25/01	3601.87	nm	nm	nm	nm

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	12/11/01	3601.87	nm	nm	nm	nm
IW-2	06/05/02	3597.87	--	32.94	--	3564.93
	06/07/02	3597.87	--	32.99	--	3564.88
	06/08/02	3597.87	--	32.96	--	3564.91
	08/28/02	3597.87	--	32.27	--	3565.60
	08/29/02	3597.87	--	32.23	--	3565.64
	10/25/02	3597.87	--	32.46	--	3565.41
	11/06/02	3597.87	--	32.45	--	3565.42
	01/14/03	3597.87	--	32.41	--	3565.46
	02/26/03	3597.87	--	32.48	--	3565.39
	04/23/03	3597.87	--	32.49	--	3565.38
	06/23/03	3597.87	--	32.88	--	3564.99
	07/14/03	3597.87	--	32.95	--	3564.92
	10/15/03	3597.87	--	33.31	--	3564.56
	01/19/04	3597.87	--	33.65	--	3564.22
	04/19/04	3597.87	--	33.79	--	3564.08
	07/20/04	3597.87	--	33.57	--	3564.30
	10/25/04	3597.87	--	31.92	--	3565.95
	01/24/05	3597.87	--	30.56	--	3567.31
	04/18/05	3597.87	--	30.44	--	3567.43
	07/18/05	3597.87	--	30.84	--	3567.03
	10/17/05	3597.87	--	30.96	--	3566.91
	10/19/05	3597.87	30.85	30.87	0.02	3567.02
	11/03/05	3597.87	--	30.91	--	3566.96
	11/10/05	3597.87	30.94	30.95	0.01	3566.93
	11/16/05	3597.87	--	30.98	--	3566.89
	11/22/05	3597.87	--	30.96	--	3566.91
	12/06/05	3597.87	--	30.98	--	3566.89
	12/12/05	3597.87	--	31.02	--	3566.85
	12/21/05	3597.87	--	31.05	--	3566.82
	01/04/06	3597.87	--	31.14	--	3566.73
	01/11/06	3597.87	--	31.16	--	3566.71
	01/23/06	3597.87	--	31.16	--	3566.71
	04/24/06	3597.87	--	31.69	--	3566.18
	07/24/06	3597.87	--	32.14	--	3565.73
	10/23/06	3597.87	34.95	34.96	0.01	3562.92
	01/23/07	3597.87	--	32.09	--	3565.78
	04/23/07	3597.87	--	32.50	--	3565.37

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	07/23/07	3597.87	32.75	32.76	0.01	3565.12
	10/22/07	3597.87	--	32.75	--	3565.12
	01/28/08	3597.87	32.90	32.91	0.01	3564.97
	04/21/08	3597.87	--	33.17	--	3564.70
	07/21/08	3597.87	--	33.60	--	3564.27
	10/21/08	3597.87	--	33.92	--	3563.95
	01/19/09	3597.87	34.07	34.08	0.01	3563.80
	04/20/09	3597.87	--	34.35	--	3563.52
	07/27/09	3597.87	34.69	34.70	0.01	3563.18
	10/26/09	3597.87	--	34.89	--	3562.98
	01/25/10	3597.87	--	35.10	--	3562.77
	04/26/10	3597.87	--	35.35	--	3562.52
	07/26/10	3597.87	--	34.91	--	3562.96
	10/25/10	3597.87	--	34.55	--	3563.32
	01/24/11	3597.87	--	35.30	--	3562.57
	10/10/11	3597.87	--	36.19	--	3561.68
	05/29/12	3597.87	--	37.00	--	3560.87
	02/26/13	3597.87	--	37.84	--	3560.03
	07/22/13	3597.87	--	38.25	--	3559.62
	03/24/14	3597.87	--	38.82	--	3559.05
	07/28/14	3597.87	--	39.22	--	3558.65
	03/10/15	3597.87	--	39.52	--	3558.35
	07/29/15	3597.87	--	39.41	--	3558.46
IW-3	06/05/02	3597.30	--	32.85	--	3564.45
	06/07/02	3597.30	--	32.89	--	3564.41
	06/08/02	3597.30	--	32.88	--	3564.42
	08/28/02	3597.30	--	33.02	--	3564.28
	08/29/02	3597.30	--	33.01	--	3564.29
	10/25/02	3597.30	--	33.20	--	3564.10
	11/06/02	3597.30	--	33.23	--	3564.07
	01/14/03	3597.30	--	33.20	--	3564.10
	02/26/03	3597.30	--	33.28	--	3564.02
	04/23/03	3597.30	--	33.28	--	3564.02
	06/23/03	3597.30	--	33.78	--	3563.52
	07/14/03	3597.30	--	33.85	--	3563.45
	10/15/03	3597.30	--	34.05	--	3563.25
	01/19/04	3597.30	--	34.34	--	3562.96
	04/19/04	3597.30	--	34.18	--	3563.12

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	07/20/04	3597.30	--	33.99	--	3563.31
	10/25/04	3597.30	--	31.94	--	3565.36
	01/24/05	3597.30	--	31.41	--	3565.89
	04/18/05	3597.30	--	31.37	--	3565.93
	07/18/05	3597.30	--	31.81	--	3565.49
	10/17/05	3597.30	--	31.92	--	3565.38
	10/19/05	3597.30	33.90	33.91	0.01	3563.40
	11/03/05	3597.30	32.00	32.01	0.01	3565.30
	11/10/05	3597.30	31.99	32.00	0.01	3565.31
	11/16/05	3597.30	33.03	33.04	0.01	3564.27
	11/22/05	3597.30	--	32.03	--	3565.27
	12/06/05	3597.30	--	32.06	--	3565.24
	12/12/05	3597.30	--	32.08	--	3565.22
	12/21/05	3597.30	--	32.12	--	3565.18
	01/04/06	3597.30	--	32.20	--	3565.10
	01/11/06	3597.30	--	32.22	--	3565.08
	01/23/06	3597.30	--	32.46	--	3564.84
	04/24/06	3597.30	32.69	32.71	0.02	3564.61
	07/24/06	3597.30	33.02	33.04	0.02	3564.28
	10/23/06	3597.30	33.88	33.89	0.01	3563.42
	01/23/07	3597.30	--	33.11	--	3564.19
	04/23/07	3597.30	--	33.50	--	3563.80
	07/23/07	3597.30	--	33.78	--	3563.52
	10/22/07	3597.30	--	33.80	--	3563.50
	01/28/08	3597.30	33.89	33.90	0.01	3563.41
	04/21/08	3597.30	--	34.18	--	3563.12
	07/21/08	3597.30	--	34.54	--	3562.76
	10/20/08	3597.30	--	34.82	--	3562.48
	01/19/09	3597.30	--	35.00	--	3562.30
	04/20/09	3597.30	35.24	35.25	0.01	3562.06
	07/27/09	3597.30	--	35.57	--	3561.73
	10/26/09	3597.30	--	35.76	--	3561.54
	01/25/10	3597.30	--	36.00	--	3561.30
	04/26/10	3597.30	--	36.24	--	3561.06
	07/26/10	3597.30	--	35.56	--	3561.74
	10/25/10	3597.30	--	35.40	--	3561.90
	01/24/11	3597.30	--	36.14	--	3561.16
	10/10/11	3597.30	--	37.03	--	3560.27
	05/29/12	3597.30	--	37.84	--	3559.46

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
IW-4	02/26/13	3597.30	--	38.60	--	3558.70
	07/22/13	3597.30	--	39.55	--	3557.75
	03/24/14	3597.30	--	39.55	--	3557.75
	07/28/14	3597.30	--	39.92	--	3557.38
	03/10/15	3598.30	--	40.65	--	3557.65
	07/29/15	3597.30	--	40.29	--	3557.01
	06/05/02	3596.13	--	32.12	--	3564.01
	06/07/02	3596.13	--	32.14	--	3563.99
	06/08/02	3596.13	--	32.17	--	3563.96
	08/28/02	3596.13	--	32.45	--	3563.68
	08/29/02	3596.13	--	32.41	--	3563.72
	10/25/02	3596.13	--	32.62	--	3563.51
	11/06/02	3596.13	--	32.68	--	3563.45
	01/14/03	3596.13	--	32.63	--	3563.50
	02/26/03	3596.13	--	32.71	--	3563.42
	04/23/03	3596.13	--	32.74	--	3563.39
	06/23/03	3596.13	--	33.03	--	3563.10
	07/14/03	3596.13	--	32.45	--	3563.68
	10/15/03	3596.13	--	33.49	--	3562.64
	01/19/04	3596.13	--	33.79	--	3562.34
	04/19/04	3596.13	--	33.85	--	3562.28
	07/20/04	3596.13	--	33.60	--	3562.53
	10/25/04	3596.13	--	32.10	--	3564.03
	01/24/05	3596.13	--	30.59	--	3565.54
	04/18/05	3596.13	--	30.60	--	3565.53
	07/18/05	3596.13	--	31.13	--	3565.00
	10/17/05	3596.13	--	31.28	--	3564.85
	10/19/05	3596.13	31.23	31.25	0.02	3564.90
	11/03/05	3596.13	--	31.22	--	3564.91
	11/10/05	3596.13	--	31.33	--	3564.80
	11/16/05	3596.13	--	31.36	--	3564.77
	11/22/05	3596.13	31.24	31.25	0.01	3564.89
	12/06/05	3596.13	--	31.39	--	3564.74
	12/12/05	3596.13	31.42	31.43	0.01	3564.71
	12/21/05	3596.13	--	31.47	--	3564.66
	01/04/06	3596.13	--	31.45	--	3564.68
	01/11/06	3596.13	31.57	31.58	0.01	3564.56
	01/23/06	3596.13	--	31.63	--	3564.50

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	04/24/06	3596.13	32.10	32.11	0.01	3564.03
	07/24/06	3596.13	32.58	32.59	0.01	3563.55
	10/23/06	3596.13	32.25	32.27	0.02	3563.88
	01/23/07	3596.13	--	32.50	--	3563.63
	04/23/07	3596.13	32.93	32.96	0.03	3563.19
	07/23/07	3596.13	33.15	33.21	0.06	3562.97
	10/22/07	3596.13	33.05	33.07	0.02	3563.08
	01/28/08	3596.13	33.27	33.28	0.01	3562.86
	04/21/08	3596.13	--	33.59	--	3562.54
	07/21/08	3596.13	--	33.98	--	3562.15
	10/20/08	3596.13	--	34.28	--	3561.85
	01/19/09	3596.13	34.39	34.40	0.01	3561.74
	04/20/09	3596.13	--	34.67	--	3561.46
	07/27/09	3596.13	--	35.00	--	3561.13
	10/26/09	3596.13	--	35.15	--	3560.98
	01/25/10	3596.13	--	35.37	--	3560.76
	04/26/10	3596.13	--	35.61	--	3560.52
	07/26/10	3596.13	--	35.11	--	3561.02
	10/25/10	3596.13	--	34.75	--	3561.38
	01/24/11	3596.13	--	35.54	--	3560.59
	10/10/11	3596.13	--	36.39	--	3559.74
	05/29/12	3596.13	--	37.22	--	3558.91
	02/26/13	3596.13	dry	dry	dry	dry
	07/22/13	3596.13	dry	dry	dry	dry
	03/24/14	3596.13	dry	dry	dry	dry
	07/28/14	3596.13	dry	dry	dry	dry
	03/10/15	3596.13	nm	nm	nm	nm
	07/29/15	3596.13	dry	dry	dry	dry
IW-5	06/05/02	3599.89	--	36.85	--	3563.04
	06/07/02	3599.89	--	36.83	--	3563.06
	06/08/02	3599.89	--	36.83	--	3563.06
	08/28/02	3599.89	--	37.01	--	3562.88
	08/29/02	3599.89	--	37.06	--	3562.83
	10/25/02	3599.89	--	37.22	--	3562.67
	11/06/02	3599.89	--	37.19	--	3562.70
	01/14/03	3599.89	--	37.15	--	3562.74
	02/26/03	3599.89	--	37.25	--	3562.64
	04/23/03	3599.89	--	37.26	--	3562.63

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	06/23/03	3599.89	--	37.60	--	3562.29
	07/14/03	3599.89	--	37.61	--	3562.28
	10/15/03	3599.89	--	36.94	--	3562.95
	01/19/04	3599.89	--	38.29	--	3561.60
	04/19/04	3599.89	--	38.46	--	3561.43
	07/20/04	3599.89	--	38.24	--	3561.65
	10/25/04	3599.89	--	36.86	--	3563.03
	01/24/05	3599.89	--	34.91	--	3564.98
	04/18/05	3599.89	--	34.98	--	3564.91
	07/18/05	3599.89	--	35.66	--	3564.23
	10/17/05	3599.89	--	35.78	--	3564.11
	10/19/05	3599.89	34.73	34.75	0.02	3565.16
	11/03/05	3599.89	--	37.78	--	3562.11
	11/10/05	3599.89	--	35.79	--	3564.10
	11/16/05	3599.89	--	35.82	--	3564.07
	11/22/05	3599.89	35.80	35.81	0.01	3564.09
	12/06/05	3599.89	--	35.86	--	3564.03
	12/12/05	3599.89	--	35.91	--	3563.98
	12/21/05	3599.89	--	35.95	--	3563.94
	01/04/06	3599.89	--	36.04	--	3563.85
	01/11/06	3599.89	--	36.09	--	3563.80
	01/23/06	3599.89	34.10	34.13	0.03	3565.78
	04/24/06	3599.89	--	36.68	--	3563.21
	07/24/06	3599.89	37.20	37.21	0.01	3562.69
	10/23/06	3599.89	36.75	36.76	0.01	3563.14
	01/23/07	3599.89	--	37.02	--	3562.87
	04/23/07	3599.89	37.51	37.51	0.00	3562.38
	07/23/07	3599.89	37.70	37.70	0.00	3562.19
	10/22/07	3599.89	37.50	37.50	0.00	3562.39
	01/28/08	3599.89	37.80	37.81	0.01	3562.09
	04/21/08	3599.89	--	38.14	--	3561.75
	07/21/08	3599.89	--	38.55	--	3561.34
	10/20/08	3599.89	--	38.82	--	3561.07
	01/19/09	3599.89	38.92	38.93	0.01	3560.97
	04/20/09	3599.89	39.19	39.20	0.01	3560.70
	07/27/09	3599.89	--	39.55	--	3560.34
	10/26/09	3599.89	--	39.68	--	3560.21
	01/25/10	3599.89	--	39.91	--	3559.98
	04/26/10	3599.89	--	40.19	--	3559.70

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	07/26/10	3599.89	--	39.59	--	3560.30
	10/25/10	3599.89	--	39.25	--	3560.64
	01/24/11	3599.89	--	39.97	--	3559.92
	10/10/11	3599.89	--	40.94	--	3558.95
	05/29/12	3599.89	--	41.75	--	3558.14
	03/24/14	3599.89	nm	nm		nm
	07/28/14	3599.89	dry	dry		dry
	03/10/15	3599.89	nm	nm	nm	nm
	07/29/15	3599.89	dry	dry	dry	dry
IW-6	06/05/02	3599.71	--	36.45	--	3563.26
	06/07/02	3599.71	--	36.48	--	3563.23
	06/08/02	3599.71	--	36.48	--	3563.23
	08/28/02	3599.71	--	36.54	--	3563.17
	08/29/02	3599.71	--	36.52	--	3563.19
	10/25/02	3599.71	--	36.75	--	3562.96
	11/06/02	3599.71	--	36.68	--	3563.03
	01/14/03	3599.71	--	36.56	--	3563.15
	02/26/03	3599.71	--	36.50	--	3563.21
	04/23/03	3599.71	--	36.52	--	3563.19
	06/23/03	3599.71	--	37.15	--	3562.56
	07/14/03	3599.71	--	37.21	--	3562.50
	10/15/03	3599.71	--	36.74	--	3562.97
	01/19/04	3599.71	--	37.90	--	3561.81
	04/19/04	3599.71	--	37.93	--	3561.78
	07/20/04	3599.71	--	37.67	--	3562.04
	10/25/04	3599.71	--	35.57	--	3564.14
	01/24/05	3599.71	--	33.54	--	3566.17
	04/18/05	3599.71	--	33.93	--	3565.78
	07/18/05	3599.71	--	34.88	--	3564.83
	10/17/05	3599.71	--	34.86	--	3564.85
	10/19/05	3599.71	34.85	34.86	0.01	3564.86
	11/03/05	3599.71	--	34.84	--	3564.87
	11/10/05	3599.71	--	34.86	--	3564.85
	11/16/05	3599.71	--	34.91	--	3564.80
	11/22/05	3599.71	--	34.89	--	3564.82
	12/06/05	3599.71	--	34.99	--	3564.72
	12/12/05	3599.71	--	35.06	--	3564.65
	12/21/05	3599.71	--	35.15	--	3564.56

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	01/04/06	3599.71	--	35.27	--	3564.44
	01/11/06	3599.71	--	35.31	--	3564.40
	01/23/06	3599.71	--	35.36	--	3564.35
	04/24/06	3599.71	36.03	36.04	0.01	3563.68
	07/24/06	3599.71	--	36.62	--	3563.09
	10/23/06	3599.71	35.85	35.86	0.01	3563.86
	01/23/07	3599.71	36.25	36.26	0.01	3563.46
	04/23/07	3599.71	36.84	36.83	0.01	3562.87
	07/23/07	3599.71	36.97	36.96	0.01	3562.74
	10/22/07	3599.71	--	36.52	--	3563.19
	01/28/08	3599.71	37.05	37.07	0.02	3562.66
	04/21/08	3599.71	dry	dry	dry	dry
	07/21/08	3599.71	dry	dry	dry	dry
	10/20/08	3599.71	dry	dry	dry	dry
	01/19/09	3599.71	dry	dry	dry	dry
	04/20/09	3599.71	dry	dry	dry	dry
	07/27/09	3599.71	dry	dry	dry	dry
	10/26/09	3599.71	dry	dry	dry	dry
	01/25/10	3599.71	dry	dry	dry	dry
	07/26/10	3599.71	dry	dry	dry	dry
	10/25/10	3599.71	dry	dry	dry	dry
	01/24/11	3599.71	dry	dry	dry	dry
	10/10/11	3599.71	dry	dry	dry	dry
	05/29/12	3599.71	dry	dry	dry	dry
	02/26/13	3599.71	dry	dry	dry	dry
	07/22/13	3599.71	dry	dry	dry	dry
	03/24/14	3599.71	dry	dry	dry	dry
	07/28/14	3599.71	dry	dry	dry	dry
	03/10/15	3599.71	nm	nm	nm	nm
	07/29/15	3599.71	nm	nm	nm	nm
IW-7	06/05/02	3600.64	--	35.70	--	3564.94
	06/07/02	3600.64	--	35.77	--	3564.87
	06/08/02	3600.64	--	35.81	--	3564.83
	08/28/02	3600.64	--	36.03	--	3564.61
	08/29/02	3600.64	--	36.07	--	3564.57
	10/25/02	3600.64	--	36.25	--	3564.39
	11/06/02	3600.64	--	35.94	--	3564.70
	01/14/03	3600.64	--	35.95	--	3564.69

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	02/26/03	3600.64	--	35.42	--	3565.22
	04/23/03	3600.64	--	35.90	--	3564.74
	06/23/03	3600.64	--	36.66	--	3563.98
	07/14/03	3600.64	--	36.75	--	3563.89
	10/15/03	3600.64	--	36.86	--	3563.78
	01/19/04	3600.64	--	37.50	--	3563.14
	04/19/04	3600.64	--	37.36	--	3563.28
	07/20/04	3600.64	--	37.06	--	3563.58
	10/25/04	3600.64	--	34.00	--	3566.64
	01/24/05	3600.64	--	32.36	--	3568.28
	04/18/05	3600.64	--	33.07	--	3567.57
	07/18/05	3600.64	--	34.15	--	3566.49
	10/17/05	3600.64	--	33.99	--	3566.65
	10/19/05	3600.64	33.95	33.96	0.01	3566.69
	11/03/05	3600.64	--	33.95	--	3566.69
	11/10/05	3600.64	33.97	33.98	0.01	3566.67
	11/16/05	3600.64	--	34.05	--	3566.59
	11/22/05	3600.64	--	34.03	--	3566.61
	11/29/05	3600.64	--	34.15	--	3566.49
	12/06/05	3600.64	--	35.05	--	3565.59
	12/12/05	3600.64	34.26	34.29	0.03	3566.37
	12/21/05	3600.64	34.37	34.40	0.03	3566.26
	01/04/06	3600.64	34.52	34.56	0.04	3566.11
	01/11/06	3600.64	34.56	34.59	0.03	3566.07
	01/23/06	3600.64	34.66	34.72	0.06	3565.97
	04/24/06	3600.64	35.37	35.42	0.05	3565.26
	07/24/06	3600.64	35.97	36.00	0.03	3564.66
	10/23/06	3600.64	--	34.97	--	3565.67
	01/23/07	3600.64	35.47	35.49	0.02	3565.17
	04/23/07	3600.64	36.14	36.13	0.01	3564.50
	07/23/07	3600.64	36.18	36.17	0.01	3564.46
	10/22/07	3600.64	--	35.60	--	3565.04
	01/28/08	3600.64	36.30	36.33	0.03	3564.33
	04/21/08	3600.64	--	36.83	--	3563.81
	07/21/08	3600.64	--	37.35	--	3563.29
	10/20/08	3600.64	--	37.47	--	3563.17
	01/19/09	3600.64	37.61	37.62	0.01	3563.03
	04/20/09	3600.64	37.97	37.98	0.01	3562.67
	07/27/09	3600.64	--	38.35	--	3562.29

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	10/26/09	3600.64	--	38.37	--	3562.27
	01/25/10	3600.64	--	38.66	--	3561.98
	04/26/10	3600.64	--	38.89	--	3561.75
	07/26/10	3600.64	--	38.07	--	3562.57
	10/25/10	3600.64	--	37.65	--	3562.99
	01/24/11	3600.64	--	38.58	--	3562.06
	10/10/11	3600.64	--	39.81	--	3560.83
	05/29/12	3600.64	--	40.31	--	3560.33
	02/26/13	3600.64	dry	dry	dry	dry
	07/22/13	3600.64	dry	dry	dry	dry
	03/24/14	3600.64	dry	dry	dry	dry
	07/28/14	3600.64	dry	dry	dry	dry
	03/10/15	3601.64	dry	dry	dry	dry
	07/29/15	3600.64	dry	dry	dry	dry
SVE-1	08/28/02	3598.68	--	32.63	--	3566.05
	08/29/02	3598.68	--	32.60	--	3566.08
	10/25/02	3598.68	--	32.60	--	3566.08
	11/06/02	3598.68	--	32.80	--	3565.88
	11/22/02	3598.68	--	32.75	--	3565.93
	11/29/02	3598.68	--	32.73	--	3565.95
	12/18/02	3598.68	--	32.82	--	3565.86
	01/14/03	3598.68	--	32.61	--	3566.07
	02/24/03	3598.68	--	32.78	--	3565.90
	02/25/03	3598.68	--	32.79	--	3565.89
	02/26/03	3598.68	--	32.80	--	3565.88
	02/27/03	3598.68	--	32.80	--	3565.88
	02/28/03	3598.68	--	32.80	--	3565.88
	03/14/03	3598.68	--	32.79	--	3565.89
	04/03/03	3598.68	--	32.78	--	3565.90
	04/07/03	3598.68	--	32.90	--	3565.78
	04/11/03	3598.68	--	32.89	--	3565.79
	04/23/03	3598.68	--	32.91	--	3565.77
	06/23/03	3598.68	--	33.21	--	3565.47
	07/14/03	3598.68	--	33.31	--	3565.37
	10/15/03	3598.68	--	33.56	--	3565.12
	01/19/04	3598.68	--	34.04	--	3564.64
	04/19/04	3598.68	--	34.00	--	3564.68
	07/20/04	3598.68	--	33.75	--	3564.93

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	10/25/04	3598.68	--	31.74	--	3566.94
	01/24/05	3598.68	--	30.01	--	3568.67
	04/18/05	3598.68	--	30.24	--	3568.44
	07/18/05	3598.68	--	30.86	--	3567.82
	10/17/05	3598.68	--	30.88	--	3567.80
	11/03/05	3598.68	30.90	30.91	0.01	3567.78
	11/10/05	3598.68	--	30.92	--	3567.76
	11/16/05	3598.68	--	29.70	--	3568.98
	11/22/05	3598.68	--	30.94	--	3567.74
	12/06/05	3598.68	--	31.00	--	3567.68
	12/12/05	3598.68	--	31.06	--	3567.62
	12/21/05	3598.68	--	31.12	--	3567.56
	01/04/06	3598.68	--	31.22	--	3567.46
	01/23/06	3598.68	--	31.17	--	3567.51
	04/24/06	3598.68	--	31.88	--	3566.80
	07/24/06	3598.68	--	32.44	--	3566.24
	10/23/06	3598.68	--	31.95	--	3566.73
	01/23/07	3598.68	--	32.17	--	3566.51
	04/23/07	3598.68	--	32.70	--	3565.98
	07/23/07	3598.68	--	32.86	--	3565.82
	10/22/07	3598.68	32.66	32.67	0.01	3566.02
	01/28/08	3598.68	32.95	32.96	0.01	3565.73
	04/21/08	3598.68	--	33.38	--	3565.30
	07/21/08	3598.68	--	33.87	--	3564.81
	10/21/08	3598.68	--	34.14	--	3564.54
	01/19/09	3598.68	--	34.25	--	3564.43
	04/20/09	3598.68	--	34.59	--	3564.09
	07/27/09	3598.68	--	34.98	--	3563.70
	10/26/09	3598.68	--	35.03	--	3563.65
	01/25/10	3598.68	--	35.30	--	3563.38
	04/26/10	3598.68	--	35.54	--	3563.14
	07/26/10	3598.68	--	34.70	--	3563.98
	10/25/10	3598.68	--	34.47	--	3564.21
	01/24/11	3598.68	--	35.34	--	3563.34
	05/29/12	3598.68	dry	dry	dry	dry
	02/26/13	3598.68	dry	dry	dry	dry
	07/22/13	3598.68	dry	dry	dry	dry
	03/24/14	3598.68	dry	dry	dry	dry
	07/28/14	3598.68	dry	dry	dry	dry

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
SVE-5	03/10/15	3599.68	dry	dry	dry	dry
	07/29/15	3598.68	dry	dry	dry	dry
	10/25/02	3600.54	35.92	38.82	2.90	3564.04
	11/07/02	3600.54	35.57	40.80	5.23	3563.92
	11/22/02	3600.54	dry	dry	dry	dry
	02/26/03	3600.54	30.54	36.30	5.76	3568.85
	11/05/03	3600.54	36.54	40.58	4.04	3563.19
	01/19/04	3600.54	36.81	39.84	3.03	3563.12
	04/19/04	3600.54	36.87	40.56	3.69	3562.93
	07/20/04	3600.54	36.66	40.32	3.66	3563.15
	10/25/04	3600.54	35.20	35.23	0.03	3565.33
	01/24/05	3600.54	33.38	33.50	0.12	3567.14
	04/18/05	3600.54	33.67	33.84	0.17	3566.84
	07/18/05	3600.54	34.18	35.71	1.53	3566.05
	09/29/05	3600.54	--	34.41	--	3566.13
	10/17/05	3600.54	dry	dry	dry	dry
	11/03/05	3600.54	dry	dry	dry	dry
	11/10/05	3600.54	dry	dry	dry	dry
	11/16/05	3600.54	dry	dry	dry	dry
	11/22/05	3600.54	dry	dry	dry	dry
	11/29/05	3600.54	dry	dry	dry	dry
	12/06/05	3600.54	dry	dry	dry	dry
	12/12/05	3600.54	dry	dry	dry	dry
	01/23/06	3600.54	dry	dry	dry	dry
	04/24/06	3600.54	26.41	26.42	0.01	3574.13
	05/29/12	3600.54	dry	dry	dry	dry
	04/22/15	nm	dry	dry	dry	dry
EW-1	06/07/02	3598.57	30.73	34.33	3.60	3567.12
	11/22/02	3598.57	30.65	37.82	7.17	3566.49
	05/29/12	3598.57	36.14	41.53	5.39	3561.35
	02/26/13	3598.57	36.83	42.40	5.57	3560.63
	03/07/13	3598.57	37.19	40.01	2.82	3560.82
	03/14/13	3598.57	37.11	37.12	0.01	3561.46
	04/10/13	3598.57	37.18	40.90	3.72	3560.65
	05/09/13	3598.57	37.33	40.92	3.59	3560.52
	06/07/13	3598.57	37.42	41.21	3.79	3560.39
	07/02/13	3598.57	37.41	41.07	3.66	3560.43

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	07/22/13	3598.57	37.88	39.36	1.48	3560.39
	08/22/13	3598.57	38.10	38.58	0.48	3560.37
	09/19/13	3598.57	38.15	38.53	0.38	3560.34
	10/03/13	3598.57	38.15	38.75	0.60	3560.30
	11/27/13	3597.57	38.12	39.40	1.28	3559.19
	01/21/14	3598.57	38.24	39.60	1.36	3560.06
	02/13/14	3598.57	38.5	38.57	0.07	3560.06
	03/10/14	3598.57	38.3	40.14	1.84	3559.90
	03/24/14	3598.57	38.37	40.21	1.84	3559.83
	04/28/14	3598.57	38.44	39.98	1.54	3559.82
	06/09/14	3598.57	38.89	39.90	1.01	3559.48
	07/28/14	3598.57	38.83	40.28	1.45	3559.45
	08/19/14	3598.57	39.09	39.29	0.20	3559.44
	10/01/14	3598.57	38.58	43.21	4.63	3559.06
	11/24/14	3598.57	38.26	43.31	5.05	3559.30
	01/08/15	3598.57	38.14	42.90	4.76	3559.48
	03/10/15	3598.57	38.22	43.15	4.93	3559.36
	04/21/15	3598.57	38.32	43.56	5.24	3559.20
	04/22/15	3598.57	38.99	39.54	0.55	3559.47
	04/24/15	3598.57	39.11	39.41	0.30	3559.40
	05/13/15	3598.57	39.14	39.41	0.27	3559.38
	06/08/15	3598.57	38.86	40.89	2.03	3559.30
	06/24/15	3598.57	38.54	42.37	3.83	3559.26
	07/07/15	3598.57	39.09	39.64	0.55	3559.37
	07/08/15	3598.57	39.06	39.24	0.18	3559.47
	07/29/15	3598.57	38.42	42.63	4.21	3559.31
	08/18/15	3598.57	38.32	43.03	4.71	3559.31
	09/29/15	3598.57	38.27	42.95	4.68	3559.36
	11/20/15	3598.57	38.20	42.76	4.56	3559.46
EW-2	09/19/02	3597.95	--	33.60	--	3564.35
	10/03/02	3597.95	--	33.61	--	3564.34
	10/23/02	3597.95	--	33.71	--	3564.24
	10/24/02	3597.95	--	33.73	--	3564.22
	10/25/02	3597.95	--	33.74	--	3564.21
	11/15/02	3597.95	--	33.83	--	3564.12
	11/29/02	3597.95	--	33.83	--	3564.12
	12/18/02	3597.95	33.60	33.65	0.05	3564.34
	04/03/03	3597.95	31.23	33.65	2.42	3566.24

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Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	03/13/03	3597.95	33.59	33.80	0.21	3564.32
	04/07/03	3597.95	33.53	35.40	1.87	3564.05
	06/23/03	3597.95	29.02	33.62	4.60	3568.01
	06/24/03	3597.95	33.50	33.51	0.01	3564.45
	04/24/06	3597.95	32.98	33.25	0.27	3564.92
	05/29/12	3597.95	37.72	41.45	3.73	3559.48
	03/24/14	3597.95	nm	nm	nm	nm
	07/28/14	3597.95	39.89	43.25	3.36	3557.39
	03/10/15	3597.95	nm	nm	nm	nm
	04/22/15	3597.95	39.99	43.54	3.55	3557.25
	06/08/15	3597.95	40.19	43.76	3.57	3,557.05
	07/07/15	3597.95	40.14	43.74	3.60	3,557.09
	07/08/15	3597.95	40.15	43.74	3.59	3,557.08
	07/29/15	3597.95	40.10	43.70	3.60	3,557.13
	08/18/15	3597.95	40.14	43.90	3.76	3,557.06
	09/29/15	3597.95	40.17	43.06	2.89	3,557.20
	11/20/15	3597.95	40.12	43.74	3.62	3,557.11
RW-1	12/13/10	3602.53	37.87	38.53	0.66	3564.53
	12/15/10	3602.53	37.86	38.64	0.78	3564.51
	01/03/11	3602.53	37.86	39.75	1.89	3564.29
	01/04/11	3602.53	38.12	38.42	0.30	3564.35
	01/10/11	3602.53	38.17	38.45	0.28	3564.30
	01/17/11	3602.53	38.17	38.67	0.50	3564.26
	01/24/11	3602.53	38.08	39.49	1.41	3564.17
	01/31/11	3602.53	38.05	40.09	2.04	3564.07
	02/07/11	3602.53	38.03	40.53	2.50	3564.00
	02/14/11	3602.53	38.04	40.89	2.85	3563.92
	02/15/11	3602.53	38.21	39.94	1.73	3563.97
	07/29/11	3602.53	38.61	43.15	4.54	3563.01
	08/04/11	3602.53	38.59	43.45	4.86	3562.97
	08/11/11	3602.53	38.83	42.34	3.51	3563.00
	08/16/11	3602.53	38.69	43.25	4.56	3562.93
	09/14/11	3602.53	39.49	39.67	0.18	3563.00
	10/10/11	3602.53	39.89	43.78	3.89	3561.86
	11/18/11	3602.53	39.51	41.17	1.66	3562.69
	01/06/12	3602.53	39.28	43.80	4.52	3562.35
	01/26/12	3602.53	39.53	42.84	3.31	3562.34
	02/23/12	3602.53	39.77	42.22	2.45	3562.27

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Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	03/29/12	3602.53	40.24	40.60	0.36	3562.22
	04/19/12	3602.53	40.03	42.14	2.11	3562.08
	09/20/12	3602.53	40.62	40.19	0.43	3562.00
	11/15/12	3602.53	40.48	43.42	2.94	3561.46
	11/29/12	3602.53	40.91	41.22	0.31	3561.56
	12/20/12	3602.53	40.44	44.29	3.85	3561.32
	02/26/13	3602.53	40.41	45.81	5.40	3561.04
	03/14/13	3602.53	41.25	41.30	0.05	3561.27
	05/09/13	3602.53	40.90	44.71	3.81	3560.87
	06/07/13	3602.53	40.77	46.11	5.34	3560.69
	07/02/13	3602.53	40.73	46.04	5.31	3560.74
	07/22/13	3602.53	40.92	46.17	5.25	3560.56
	08/22/13	3602.53	41.74	42.15	0.41	3560.71
	09/19/13	3602.53	41.76	41.98	0.22	3560.73
	10/03/13	3602.53	41.79	42.11	0.32	3560.68
	11/27/13	3602.53	41.6	44.03	2.43	3560.44
	01/21/14	3602.53	41.25	46.46	5.21	3560.24
	02/13/14	3602.53	41.35	46.29	4.94	3560.19
	03/10/14	3602.53	41.38	46.70	5.32	3560.09
	03/24/14	3602.53	41.48	46.73	5.25	3560.00
	04/28/14	3602.53	41.73	45.53	3.80	3560.04
	06/09/14	3602.53	41.98	45.29	3.31	3559.89
	07/28/14	3602.53	41.94	46.84	4.90	3559.61
	08/19/14	3602.53	42.32	45.11	2.79	3559.65
	10/01/14	3602.53	42.01	47.70	5.69	3559.38
	11/24/14	3602.53	41.77	47.22	5.45	3559.67
	01/08/15	3602.53	41.62	46.79	5.17	3559.88
	03/10/15	3602.53	41.73	47.00	5.27	3559.75
	04/22/15	3602.53	41.86	47.42	5.56	3559.56
	04/24/15	3602.53	42.50	44.01	1.51	3559.73
	05/13/15	3602.53	41.96	47.49	5.53	3,559.46
	05/27/15	3602.53	42.04	47.05	5.01	3,559.49
	06/08/15	3602.53	42.65	43.25	0.60	3,559.76
	06/24/15	3602.53	42.28	45.04	2.76	3,559.70
	07/07/15	3602.53	41.99	46.58	4.59	3,559.62
	07/08/15	3602.53	42.56	43.23	0.67	3,559.84
	07/29/15	3602.53	41.87	46.70	4.83	3,559.69
	08/18/15	3602.53	41.83	46.78	4.95	3,559.71
	09/29/15	3602.53	41.78	46.65	4.87	3,559.78

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<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	11/20/15	3602.53	41.71	46.31	4.60	3,559.90
RW-2	12/13/10	3602.04	37.55	40.74	3.19	3563.85
	12/15/10	3602.04	37.55	40.94	3.39	3563.81
	01/03/11	3602.04	37.61	41.70	4.09	3563.61
	01/04/11	3602.04	37.62	41.69	4.07	3563.61
	01/10/11	3602.04	37.72	41.40	3.68	3563.58
	01/17/11	3602.04	37.84	40.98	3.14	3563.57
	01/24/11	3602.04	37.72	41.97	4.25	3563.47
	01/31/11	3602.04	37.78	42.00	4.22	3563.42
	02/07/11	3602.04	37.78	42.35	4.57	3563.35
	02/14/11	3602.04	37.82	42.52	4.70	3563.28
	02/15/11	3602.04	37.98	41.60	3.62	3563.34
	07/29/11	3602.04	38.86	41.90	3.04	3562.57
	08/04/11	3602.04	38.80	42.40	3.60	3562.52
	08/11/11	3602.04	38.78	42.75	3.97	3562.47
	08/16/11	3602.04	38.90	42.16	3.26	3562.49
	09/14/11	3602.04	39.52	39.62	0.10	3562.50
	10/10/11	3602.04	38.96	43.49	4.53	3562.17
	11/18/11	3602.04	39.04	43.98	4.94	3562.01
	01/06/12	3602.04	39.19	44.35	5.16	3561.82
	01/26/12	3602.04	39.46	43.27	3.81	3561.82
	02/23/12	3602.04	39.78	42.22	2.44	3561.77
	03/29/12	3602.04	40.26	40.14	0.12	3561.80
	04/19/12	3602.04	40.33	40.47	0.14	3561.68
	09/20/12	3602.04	40.02	44.61	4.59	3561.10
	11/15/12	3602.04	40.59	42.86	2.27	3561.00
	11/29/12	3602.04	40.94	41.07	0.13	3561.07
	12/20/12	3602.04	41.00	41.23	0.23	3560.99
	02/26/13	3602.04	40.60	44.70	4.10	3560.62
	03/14/13	3602.04	40.68	44.55	3.87	3560.59
	04/10/13	3602.04	41.30	41.41	0.11	3560.72
	05/09/13	3602.04	41.44	41.56	0.12	3560.58
	06/07/13	3602.04	41.52	41.68	0.16	3560.49
	07/02/13	3602.04	41.43	41.53	0.10	3560.59
	07/22/13	3602.04	41.49	42.99	1.50	3560.25
	08/22/13	3602.04	41.59	42.75	1.16	3560.22
	09/19/13	3602.04	41.32	44.57	3.25	3560.07
	10/03/13	3602.04	41.32	44.65	3.33	3560.05

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
	11/27/13	3602.04	41.42	44.63	3.21	3559.98
	01/21/14	3602.04	41.25	46.46	5.21	3559.75
	02/13/14	3602.04	41.35	46.29	4.94	3559.70
	03/10/14	3602.04	41.38	46.70	5.32	3559.60
	03/24/14	3602.04	41.48	46.73	5.25	3559.51
	04/28/14	3602.04	41.73	45.53	3.80	3559.55
	06/09/14	3602.04	41.98	45.29	3.31	3559.40
	07/28/14	3602.04	41.94	46.84	4.90	3559.12
	08/19/14	3602.04	42.32	45.11	2.79	3559.16
	10/01/14	3602.04	42.01	47.70	5.69	3558.89
	11/24/14	3602.04	42.2	45.03	2.83	3559.27
	01/08/15	3602.04	41.96	45.12	3.16	3559.45
	03/10/15	3602.04	42.05	45.08	3.03	3559.38
	04/21/15	3602.04	42.21	45.24	3.03	3559.22
	04/24/15	3602.04	42.33	45.28	2.95	3559.12
	05/13/15	3602.04	42.72	43.37	0.65	3,559.19
	05/27/15	3602.04	42.50	44.50	2.00	3,559.14
	06/08/15	3602.04	42.59	44.00	1.41	3,559.17
	06/24/15	3602.04	42.42	44.64	2.22	3,559.18
	07/07/15	3602.04	42.38	44.62	2.24	3,559.21
	07/08/15	3602.04	42.71	42.76	0.05	3,559.32
	07/29/15	3602.04	42.40	44.58	2.18	3,559.20
	08/18/15	3602.04	42.28	44.73	2.45	3,559.27
	09/29/15	3602.04	42.21	44.88	2.67	3,559.30
	11/20/15	3602.04	42.04	44.66	2.62	3,559.48
RW-3	12/13/10	3601.34	37.27	38.42	1.15	3563.84
	12/15/10	3601.34	37.24	38.70	1.46	3563.81
	01/03/11	3601.34	37.25	39.78	2.53	3563.58
	01/04/11	3601.34	37.25	39.75	2.50	3563.59
	01/10/11	3601.34	37.63	37.91	0.28	3563.65
	01/17/11	3601.34	37.68	37.82	0.14	3563.63
	01/24/11	3601.34	37.50	39.24	1.74	3563.49
	01/31/11	3601.34	37.52	39.43	1.91	3563.44
	02/07/11	3601.34	37.58	39.69	2.11	3563.34
	02/14/11	3601.34	37.53	40.09	2.56	3563.30
	02/15/11	3601.34	37.76	38.76	1.00	3563.38
	07/29/11	3601.34	38.52	39.61	1.09	3562.60
	08/04/11	3601.34	38.96	40.07	1.11	3562.16

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	08/11/11	3601.34	38.67	39.17	0.50	3562.57
	08/16/11	3601.34	38.70	39.15	0.45	3562.55
	09/14/11	3601.34	38.89	38.90	0.01	3562.45
	10/10/11	3601.34	38.93	39.39	0.46	3562.32
	11/18/11	3601.34	39.12	39.26	0.14	3562.19
	01/06/12	3601.34	39.14	40.34	1.20	3561.96
	01/26/12	3601.34	39.39	39.41	0.02	3561.95
	02/23/12	3601.34	39.49	39.51	0.02	3561.85
	03/29/12	3601.34	39.63	39.65	0.02	3561.71
	04/19/12	3601.34	39.69	39.73	0.04	3561.64
	09/20/12	3601.34	39.50	43.33	3.83	3561.07
	11/15/12	3601.34	39.81	42.98	3.17	3560.90
	11/29/12	3601.34	--	40.23	--	3561.11
	12/20/12	3601.34	40.38	40.49	0.11	3560.94
	02/26/13	3601.34	40.25	42.40	2.15	3560.66
	03/14/13	3601.34	40.61	40.69	0.08	3560.71
	04/10/13	3601.34	40.68	40.71	0.03	3560.65
	05/09/13	3601.34	40.77	40.85	0.08	3560.55
	06/07/13	3601.34	40.89	41.00	0.11	3560.43
	07/02/13	3601.34	40.79	40.88	0.09	3560.53
	07/22/13	3601.34	41.05	41.14	0.09	3560.27
	08/22/13	3601.34	41.10	41.19	0.09	3560.22
	09/19/13	3601.34	41.16	41.24	0.08	3560.16
	10/03/13	3601.34	41.18	41.19	0.01	3560.16
	11/27/13	3601.34	41.25	41.45	0.20	3560.05
	01/21/14	3601.34	41.37	41.54	0.17	3559.94
	02/13/14	3601.34	41.27	42.64	1.37	3559.80
	03/10/14	3601.34	41.45	41.99	0.54	3559.78
	03/24/14	3601.34	41.6	41.80	0.20	3559.70
	04/28/14	3601.34	41.69	41.70	0.01	3559.65
	06/09/14	3601.34	41.81	41.91	0.10	3559.51
	07/28/14	3601.34	41.62	44.20	2.58	3559.20
	08/19/14	3601.34	41.68	44.20	2.52	3559.16
	10/01/14	3601.34	41.85	44.27	2.42	3559.01
	11/24/14	3601.34	41.57	44.38	2.81	3559.21
	01/08/15	3601.34	41.38	44.49	3.11	3559.34
	03/10/15	3601.34	41.43	44.56	3.13	3559.28
	04/21/15	3601.34	41.58	44.64	3.06	3559.15
	04/24/15	3601.34	41.68	44.71	3.03	3559.05

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

Monitoring Well ID	Sample Date	Casing Elevation (famsl)	Depth to NAPL (fbgs)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected Groundwater Elevation (famsl)
RW-4	05/13/15	3601.34	41.77	44.52	2.75	3,559.02
	06/08/15	3601.34	41.77	44.49	2.72	3,559.03
	06/24/15	3601.34	41.71	44.46	2.75	3,559.08
	07/07/15	3601.34	41.71	44.33	2.62	3,559.11
	07/08/15	3601.34	41.70	44.36	2.66	3,559.11
	07/29/15	3601.34	41.70	44.18	2.48	3,559.14
	08/18/15	3601.34	41.63	44.33	2.70	3,559.17
	09/29/15	3601.34	41.58	44.44	2.86	3,559.19
	11/20/15	3601.34	41.44	44.42	2.98	3,559.30
	12/13/10	3602.30	37.58	40.58	3.00	3564.12
	12/15/10	3602.30	37.59	40.98	3.39	3564.03
	01/03/11	3602.30	37.56	42.28	4.72	3563.80
	01/04/11	3602.30	37.71	41.49	3.78	3563.83
	01/10/11	3602.30	37.98	40.24	2.26	3563.87
	01/17/11	3602.30	38.39	38.43	0.04	3563.90
	01/24/11	3602.30	37.88	41.28	3.40	3563.74
	01/31/11	3602.30	38.22	39.69	1.47	3563.79
	02/07/11	3602.30	38.02	41.29	3.27	3563.63
	02/14/11	3602.30	37.95	42.09	4.14	3563.52
	02/15/11	3602.30	38.44	39.17	0.73	3563.71
	07/29/11	3602.30	38.96	41.89	2.93	3562.75
	08/04/11	3602.30	38.83	42.60	3.77	3562.72
	08/11/11	3602.30	39.31	40.25	0.94	3562.80
	08/16/11	3602.30	39.40	39.89	0.49	3562.80
	09/14/11	3602.30	39.59	39.62	0.03	3562.70
	10/10/11	3602.30	39.43	41.28	1.85	3562.50
	11/18/11	3602.30	39.82	39.94	0.12	3562.46
	01/06/12	3602.30	40.01	40.17	0.16	3562.26
	01/26/12	3602.30	40.08	40.27	0.19	3562.18
	02/23/12	3602.30	40.21	40.27	0.06	3562.08
	03/29/12	3602.30	40.34	40.50	0.16	3561.93
	04/19/12	3602.30	40.11	42.13	2.02	3561.79
	09/20/12	3602.30	40.76	40.97	0.21	3561.50
	11/15/12	3602.30	40.45	44.11	3.66	3561.12
	11/29/12	3602.30	40.86	42.00	1.14	3561.21
	12/20/12	3602.30	41.05	41.47	0.42	3561.17
	02/26/13	3602.30	40.75	44.38	3.63	3560.82
	03/14/13	3602.30	40.79	44.36	3.57	3560.80

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
	04/10/13	3602.30	40.90	44.21	3.31	3560.74
	05/09/13	3602.30	41.18	43.49	2.31	3560.66
	06/07/13	3602.30	41.62	41.72	0.10	3560.66
	07/02/13	3602.30	41.17	42.48	1.31	3560.87
	07/22/13	3602.30	41.75	42.02	0.27	3560.50
	08/22/13	3602.30	41.45	44.18	2.73	3560.30
	09/19/13	3602.30	41.46	44.27	2.81	3560.28
	10/03/13	3602.30	41.50	44.32	2.82	3560.24
	11/27/13	3602.30	41.9	42.59	0.69	3560.26
	01/21/14	3602.30	41.73	44.23	2.50	3560.07
	02/13/14	3602.30	42.17	42.18	0.01	3560.13
	03/10/14	3602.30	42.07	43.22	1.15	3560.00
	03/24/14	3602.30	42.2	43.04	0.84	3559.93
	04/28/14	3602.30	42.39	42.46	0.07	3559.90
	06/09/14	3602.30	42.23	44.12	1.89	3559.69
	07/28/14	3602.30	42.61	43.52	0.91	3559.51
	08/19/14	3602.30	42.79	42.91	0.12	3559.49
	10/01/14	3602.30	42.72	44.19	1.47	3559.29
	11/24/14	3602.30	42.40	44.39	1.99	3559.50
	01/08/15	3602.30	42.14	44.66	2.52	3559.66
	03/10/15	3602.30	42.11	45.51	3.40	3559.51
	04/21/15	3602.30	42.18	45.82	3.64	3559.39
	04/22/15	3602.30	42.26	45.68	3.42	3559.36
	04/24/15	3602.30	42.59	44.32	1.73	3559.36
	05/13/15	3602.30	42.88	42.94	0.06	3,559.41
	05/27/15	3602.30	42.68	43.93	1.25	3,559.37
	06/08/15	3602.30	42.85	42.88	0.03	3,559.44
	06/24/15	3602.30	42.59	43.97	1.38	3,559.43
	07/07/15	3602.30	42.78	42.80	0.02	3,559.52
	07/08/15	3602.30	42.73	42.93	0.20	3,559.53
	07/29/15	3602.30	42.44	44.10	1.66	3,559.53
	08/18/15	3602.30	42.42	44.28	1.86	3,559.51
	09/29/15	3602.30	42.33	44.41	2.08	3,559.55
	11/20/15	3602.30	42.16	44.68	2.52	3,559.64

**Historical Water Level Measurements
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico**

<i>Monitoring Well ID</i>	<i>Sample Date</i>	<i>Casing Elevation (famsl)</i>	<i>Depth to NAPL (fbgs)</i>	<i>Depth to Water (ft)</i>	<i>NAPL Thickness (ft)</i>	<i>Corrected Groundwater Elevation (famsl)</i>
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Notes:

- 1) ft - feet; fbgs - feet below ground surface; famsl = feet above mean sea level
- 2) NAPL = Non-aqueous phase liquid; -- indicates NAPL not detected
- 3) Dry - indicates well was observed dry during gauging, nm indicates not measured
- 4) Groundwater elevations in wells containing NAPL were corrected with an assumption of specific gravity for NAPL of 0.80
- 5) Data from April-July 2011 is missing due to transition of the Site from Tetra Tech to Conestoga-Rovers & Associates (CRA).
- 6) Italics - Groundwater not detected in well and total depth used for depth to water.

Groundwater Analytical Data - January through December 2015
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Well ID</i>	<i>Sample Date</i>	<i>Benzene (mg/L)</i>	<i>Toluene (mg/L)</i>	<i>Ethylbenzene (mg/L)</i>	<i>Xylenes (mg/L)</i>	<i>Total BTEX (mg/L)</i>	<i>TPH-GRO (mg/L)</i>	<i>TPH-DRO (mg/L)</i>
NMWQCC groundwater quality standards		0.01	0.75	0.75	0.62		ne	ne
IW-2 (DUP-1)	03/10/15	<0.001	<0.001	<0.001	<0.003	<0.003	<0.50	240
	07/31/15	<0.001	0.5083	<0.001	<0.003	<0.003	<0.50	2.9
	07/31/15	<0.001	<0.001	<0.001	<0.003	<0.003	<0.50	4.6
MW-4	03/10/15	0.0191	<0.01	0.0197	<0.03	0.0388	2.2	427
IW-3 (DUP 1)	03/10/15	<0.001	<0.001	<0.001	<0.003	<0.003	<0.50	0.69
	03/10/15	<0.001	<0.001	<0.001	<0.003	<0.003	<0.50	5.8
	07/31/15	<0.001	<0.001	<0.001	<0.003	<0.003	<0.50	<0.45

Notes:

NMWQCC = New Mexico Water Quality Control Commission

Analytical results are presented in milligrams per liter (mg/L).

< = analyte was not detected at or above the reported detection limit.

ne = not established TPH-GRO = Total Volatile Petroleum Hydrocarbons (TVPH)

TPH-DRO = Total Extractable Petroleum Hydrocarbons (TEPH)

Shaded/bolded values exceed their respective NMWQCC Standard for Ground Water.

Dup = duplicate sample

Historical Groundwater Analytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Well ID</i>	<i>Sample Date</i>	<i>Benzene (mg/L)</i>	<i>Toluene (mg/L)</i>	<i>Ethylbenzene (mg/L)</i>	<i>Xylenes (mg/L)</i>	<i>Total BTEX (mg/L)</i>	<i>TPH-GRO (mg/L)</i>	<i>TPH-DRO (mg/L)</i>
NMWQCC groundwater quality standards		0.010	0.75	0.75	0.62		ne	ne
MW-2	07/16/99	0.0036	0.0027	0.0013	0.00050	0.0081	<2.0	<2.0
	10/20/99	0.0042	0.0025	0.0013	0.0013	0.0093	<2.0	<2.0
	01/13/00	0.0019	0.00050	<0.005	<0.005	0.0024	<2.0	<2.0
	04/06/00	0.0043	0.0041	0.0014	<0.002	0.0098	<1.0	<1.0
	08/01/00	0.0017	0.0015	0.00072	<0.002	0.0039	<1.0	<1.0
	11/15/00	0.052	0.036	0.0078	0.0094	0.11	0.64	<0.52
	03/06/01	0.0073	0.0050	0.0014	0.0021	0.016	0.14	<0.56
	06/26/01	0.0049	0.0032	0.0010	<0.002	0.0091	0.18	<0.56
	09/25/01	0.018	0.0074	0.0014	0.0021	0.029	0.20	<0.56
	12/12/01	0.0036	0.0029	<0.001	0.0016	0.0081	<0.10	0.12
	05/20/02	0.0037	0.0020	<0.001	0.0018	0.0075	<0.10	0.12
MW-3	07/16/99	<0.005	<0.005	<0.005	<0.005	<0.005	<2.0	<2.0
	10/20/99	0.0026	0.0010	<0.005	<0.005	0.0036	<2.0	<2.0
	01/13/00	0.020	0.016	0.0092	0.020	0.065	<2.0	<2.0
	04/06/00	3.8	3.8	0.91	1.10	9.61	<1.0	<1.0
MW-4	07/16/99	0.72	1.1	0.26	0.28	2.36	3.0	3.0
	03/10/15	0.0191	<0.001	0.0197	<0.003	0.0388	2.2	427
MW-8	07/28/14	5.4	0.11	1.3	0.17	6.98	16.4	171
MW-9	07/16/99	<0.005	<0.005	<0.005	<0.005	<0.005	<2.0	<2.0
	10/20/99	0.0028	<0.005	<0.005	<0.005	0.0028	<2.0	<2.0
	01/13/00	0.11	0.0020	0.020	0.015	0.15	<2.0	<2.0
	04/06/00	2.7	0.87	0.50	0.46	4.53	0.37	0.37
	08/01/00	3.4	1.1	0.52	0.27	5.29	1.1	1.1
	11/15/00	4.2	0.12	0.46	0.14	4.92	16.0	0.73
	03/06/01	4.3	0.37	0.92	0.21	5.8	20.0	<0.56
MW-10	07/16/99	0.0018	<0.005	<0.005	<0.005	0.0018	<2.0	<2.0
	10/20/99	0.0038	0.0023	<0.005	<0.005	0.0061	<2.0	<2.0
	01/13/00	0.0020	0.0010	0.0025	0.0020	0.0075	<2.0	<2.0
	04/06/00	0.0027	0.0072	0.00069	<0.002	0.011	<1.0	<1.0
	08/01/00	0.040	0.0012	0.0027	0.010	0.054	<1.0	<1.0
	11/15/00	2.0	0.018	0.31	0.21	2.54	9.0	0.78
	03/06/01	4.4	0.0078	0.12	0.19	4.72	17.0	0.57
	06/26/01	5.6	1.3	0.67	<0.04	7.57	31.0	2.4
	09/25/01	5.9	1.2	0.76	0.57	8.43	26.0	<0.53
	12/12/01	7.1	1.56	0.87	0.66	10.17	23.5	1.35
	05/20/02	9.0	1.17	1.1	0.64	11.91	26.4	1.4
MW-11	10/20/99	<0.005	<0.005	0.0012	0.0013	0.0025	<2.0	<2.0
	01/13/00	<0.005	<0.005	<0.005	<0.005	<0.005	<2.0	<2.0
	04/06/00	<0.005	<0.005	<0.005	<0.002	<0.005	<1.0	<1.0
	08/01/00	<0.005	<0.005	<0.005	<0.002	<0.005	<1.0	<1.0
	11/15/00	<0.005	<0.005	<0.005	<0.002	<0.005	<0.10	2.0

Historical Groundwater Analytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Well ID</i>	<i>Sample Date</i>	<i>Benzene (mg/L)</i>	<i>Toluene (mg/L)</i>	<i>Ethylbenzene (mg/L)</i>	<i>Xylenes (mg/L)</i>	<i>Total BTEX (mg/L)</i>	<i>TPH-GRO (mg/L)</i>	<i>TPH-DRO (mg/L)</i>
NMWQCC groundwater quality standards		0.010	0.75	0.75	0.62		ne	ne
	03/06/01	0.00064	0.0011	<0.005	<0.002	0.0017	<0.10	<0.56
	06/26/01	<0.005	<0.005	<0.005	<0.002	<0.005	<0.10	<0.53
	09/25/01	0.0013	<0.005	<0.005	<0.002	0.0013	<0.10	<0.54
	12/12/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	05/20/02	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
MW-12	10/20/99	0.0011	<0.005	<0.005	<0.005	0.0011	<2.0	<2.0
	01/13/00	<0.005	<0.005	<0.005	<0.005	<0.005	<2.0	<2.0
	04/06/00	<0.005	<0.005	<0.005	<0.002	<0.005	<1.0	<1.0
	08/01/00	<0.005	<0.005	<0.005	<0.002	<0.005	<1.0	<1.0
	11/15/00	<0.005	<0.005	<0.005	<0.002	<0.005	<0.10	<0.56
	03/06/01	0.00085	0.00063	<0.005	<0.002	0.0015	<0.10	<0.56
	06/26/01	<0.005	<0.005	<0.005	<0.002	<0.002	<0.10	<0.53
	09/25/01	0.0028	0.00053	<0.5	<0.002	0.0033	<0.10	<0.52
	12/12/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	05/20/02	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
MW-13	06/04/00	<0.005	<0.005	<0.005	<0.002	<0.005	<1.0	<1.0
	01/08/00	<0.005	<0.005	<0.005	<0.002	<0.005	<1.0	<1.0
	11/15/00	<0.005	<0.005	<0.005	<0.002	<0.005	<0.10	0.57
	06/01/03	<0.5	0.0013	<0.005	<0.002	0.0013	<0.10	<0.55
	06/26/01	<0.005	<0.005	<0.005	<0.002	<0.005	<0.10	<0.5
	09/25/01	0.022	0.0034	0.0025	<0.002	0.03	0.15	<0.5
	12/01/01	0.44	<0.001	<0.001	0.020	0.46	1.24	0.13
	05/20/02	<0.001	<0.001	<0.001	0.033	0.033	0.54	0.18
	08/29/02	<5.00	0.0010	<0.001	0.0013	0.0023	0.15	0.13
	01/15/03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	0.12
	04/23/03	<0.001	<0.001	0.0052	<0.001	0.0052	0.12	<0.10
	07/14/03	<0.001	<0.001	0.014	<0.001	0.014	0.13	<0.10
	10/16/03	<0.001	<0.001	0.021	<0.003	0.02	<0.10	<0.048
	10/26/04	0.014	<0.001	0.30	<0.003	0.31	1.2	3.0
	01/25/05	1.0	<0.001	1.4	<0.003	2.40	4.7	0.79
	04/19/05	1.4	<0.001	0.78	<0.003	2.18	4.9	0.90
	07/19/05	1.2	<0.001	0.54	<0.003	1.74	4.2	0.69
	10/18/05	0.36	<0.001	0.43	0.0068	0.80	2.1	0.88
	01/24/06	1.1	<0.001	0.46	<0.003	1.56	4.7	1.1
	04/25/06	5.3	<0.001	0.64	<0.003	5.94	14	1.1
Duplicate	04/25/06	3.7	<0.001	0.47	<0.003	4.17	11	1.0
	07/25/06	5.9	<0.001	0.46	<0.003	6.36	16	1.7
Duplicate	07/25/06	5.4	<0.001	0.49	<0.003	5.89	16	1.6
	10/24/06	5.7	<0.001	0.61	<0.003	6.31	14	1.5
Duplicate	10/24/06	5.2	<0.001	0.65	<0.003	5.85	12	1.3
	01/24/07	6.2	<0.001	0.72	<0.003	6.92	16	1.5
Duplicate	01/24/07	5.8	<0.001	0.68	<0.003	6.48	17	1.5
	04/24/07	5.1	<0.001	0.43	0.011	5.54	1.3	1.1
Duplicate	04/24/07	5.3	<0.001	0.43	0.010	5.74	1.3	1.0
	07/24/07	5.7	<0.001	0.61	<0.003	6.31	0.54	1.7

Historical Groundwater Analytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	Total BTEX (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		0.010	0.75	0.75	0.62		ne	ne
Duplicate	07/24/07	5.4	<0.001	0.59	<0.003	5.99	0.58	1.6
	10/23/07	5.1	<0.001	0.59	<0.003	5.69	1.1	1.5
Duplicate	10/23/07	5.5	<0.001	0.62	<0.003	6.12	1.1	1.3
	01/29/08	5.6	<0.05	0.60	<0.05	6.20	0.65	1.5
Duplicate	01/29/08	5.7	<0.025	0.63	<0.025	6.33	0.97	1.5
	04/22/08	7.5	<0.025	0.73	<0.025	8.23	18	0.80
Duplicate	04/22/08	7.1	<0.025	0.66	<0.025	7.76	17	0.77
	07/22/08	5.5	<0.025	0.40	<0.025	5.90	14	0.92
Duplicate	01/20/09	5.6	<0.005	0.39	0.025	6.02	15	0.96
	01/20/09	5.8	<0.001	0.089	0.0048	5.89	17	0.65
	04/21/09	4.6	<0.001	0.12	0.0065	4.73	11	0.45
	07/29/09	2.1	<0.001	0.0020	<0.001	2.10	5.8	1.7
	10/27/09	0.56	<0.001	0.0041	0.0014	0.57	1.6	0.47
	01/26/10	0.25	<0.001	0.0038	0.0077	0.26	0.95	0.43
	07/27/10	0.089	<0.001	0.010	0.0054	0.10	0.41	0.51
	10/26/10	0.27	<0.001	0.052	0.031	0.35	0.90	0.18
EW-1	11/15/02	7.46	5.13	1.59	1.59	15.77	21.4	na
	11/22/02	9.34	6.15	2.27	2.21	19.97	15.3	na
	04/24/03	4.41	2.50	0.95	0.79	8.66	13.1	2.56
	07/14/03	2.59	2.16	0.41	0.47	5.63	6.0	1.56
	10/16/03	2.80	1.80	0.69	0.68	5.97	11	460
EW-2	11/15/02	2.16	1.39	0.31	0.49	4.35	8.88	na
	11/22/02	2.11	2.34	0.88	1.28	6.61	11.3	na
	04/24/03	3.08	2.68	0.54	0.89	7.19	6.1	<1.0
	07/14/03	1.76	1.79	0.20	0.56	4.31	2.92	<2.0
	10/16/03	2.8	2.6	0.44	0.72	6.56	12	0.88
	10/16/03	2.8	2.6	0.44	0.72	6.56	12	0.88
	07/20/05	4.5	1.5	0.46	0.64	7.1	21	2.6
	01/24/06	6.4	2.3	0.91	0.89	10.5	34	4.9
	04/25/06	6.8	2.6	0.84	0.95	11.19	32	960
	10/24/06	4.8	1.3	0.88	1.10	8.08	23	67
	01/24/07	5.2	0.22	0.76	0.93	7.11	21	130
	04/24/07	2.6	0.054	0.40	0.57	3.62	12	1600
	07/24/07	3.2	0.15	0.72	1.00	5.07	17	130
	10/23/07	3.5	0.028	0.54	0.49	4.56	15	26
	01/29/08	3.1	0.026	0.52	0.61	4.26	12	45
	04/22/08	2.4	<0.01	0.39	0.43	3.22	9.2	100
	07/22/08	1.4	<0.005	0.23	0.24	1.87	6.1	31
	10/21/08	1.0	0.018	0.36	0.37	1.73	--	19
	01/20/09	1.1	0.0010	0.28	0.28	1.66	5.1	4.8
IW-2	08/29/02	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	01/14/03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	04/23/03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	07/14/03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10

Historical Groundwater Analytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Well ID</i>	<i>Sample Date</i>	<i>Benzene (mg/L)</i>	<i>Toluene (mg/L)</i>	<i>Ethylbenzene (mg/L)</i>	<i>Xylenes (mg/L)</i>	<i>Total BTEX (mg/L)</i>	<i>TPH-GRO (mg/L)</i>	<i>TPH-DRO (mg/L)</i>
NMWQCC groundwater quality standards		0.010	0.75	0.75	0.62		ne	ne
	10/15/03	<0.001	<0.001	<0.001	<0.003	<0.001	<0.10	<0.048
	01/20/04	<0.001	<0.001	<0.001	<0.003	<0.001	<0.10	<0.048
	04/20/04	<0.001	<0.001	<0.001	<0.003	<0.001	<0.10	<0.20
	07/21/04	<0.001	<0.001	<0.001	<0.003	<0.001	<0.10	<0.048
	10/26/04	<0.001	<0.001	<0.001	<0.003	<0.001	<0.10	<0.048
	01/25/05	<0.001	<0.001	<0.001	<0.003	<0.001	<0.10	0.062
	04/19/05	<0.001	<0.001	0.0013	<0.003	0.0013	<0.10	5.20
	07/19/05	<0.001	<0.001	<0.001	<0.003	<0.001	<0.10	0.16
	10/18/05	0.019	<0.001	0.018	0.012	0.049	1.8	25
	01/24/06	0.020	0.063	0.088	0.14	0.31	2.0	71
	04/25/06	0.0028	0.0050	0.013	0.015	0.036	0.83	15
	07/25/06	0.0040	<0.001	0.054	0.075	0.13	1.6	37
	10/24/06	0.003 F	<0.001	0.021 F	0.016	0.040	0.91	68
	01/24/07	0.0018	<0.001	0.0070	0.0031	0.012	0.46	59
	04/24/07	<0.001	<0.001	0.0061	<0.003	0.0061	0.45	32
	07/24/07	<0.001	<0.001	<0.001	<0.003	<0.003	0.23	29
	10/23/07	<0.001	<0.001	0.019	0.0050	0.024	2.5	200
	01/29/08	<0.001	<0.001	<0.001	<0.001	<0.001	0.27	37
	04/22/08	<0.001	<0.001	<0.001	<0.001	<0.001	0.25	44
	07/22/08	<0.001	0.0012	0.0020	0.0087	0.012	1.9	77
	10/21/08	<0.001	<0.001	<0.001	0.0014	0.0014	--	58
	01/20/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	6.8
	04/21/09	<0.001	<0.001	<0.001	<0.001	<0.001	0.11	0.85
	07/28/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	3.9
	10/27/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	1.5
	01/26/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	1.2
	04/27/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	0.77
	07/27/10	<0.001	<0.001	<0.001	<0.001	<0.001	0.24	6.5
	10/26/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	1.1
	01/25/11	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	7.0
	04/20/11	<0.001	<0.001	<0.001	<0.003	<0.003	0.26	33.1
	10/11/11	<0.001	<0.001	<0.001	<0.003	<0.003	<0.5	13.6
	05/31/12	<0.001	<0.001	<0.001	<0.003	<0.003	5.13	31.6
	02/26/13	<0.001	<0.001	<0.001	<0.003	<0.003	<0.50	5.8
Duplicate	02/26/13	<0.001	<0.001	<0.001	<0.003	<0.003	<0.50	6.2
	07/23/13	<0.001	<0.001	<0.001	<0.003	<0.003	<0.50	<0.50
Duplicate	07/23/13	<0.001	<0.001	<0.001	<0.003	<0.003	<0.50	<0.50
	03/24/14	<0.001	<0.001	<0.001	<0.003	<0.003	<0.50	1.5
Duplicate	03/24/14	<0.001	<0.001	<0.001	<0.003	<0.003	<0.50	5.5
	07/28/14	<0.001	<0.001	<0.001	<0.003	<0.003	<0.50	3.4
	03/10/15	<0.001	<0.001	<0.001	<0.003	<0.003	<0.50	240
	07/31/15	<0.001	<0.001	<0.001	<0.003	<0.003	<0.50	2.9
Duplicate	07/31/15	<0.001	<0.001	<0.001	<0.003	<0.003	<0.50	4.6
IW-3	08/29/02	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	01/14/03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	04/23/03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10

Historical Groundwater Analytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Well ID</i>	<i>Sample Date</i>	<i>Benzene (mg/L)</i>	<i>Toluene (mg/L)</i>	<i>Ethylbenzene (mg/L)</i>	<i>Xylenes (mg/L)</i>	<i>Total BTEX (mg/L)</i>	<i>TPH-GRO (mg/L)</i>	<i>TPH-DRO (mg/L)</i>
NMWQCC groundwater quality standards		0.010	0.75	0.75	0.62		ne	ne
	07/14/03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	10/15/03	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	<0.048
	01/20/04	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	<0.048
	04/20/04	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	<0.20
	07/21/04	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	0.061
	10/26/04	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	0.072
	01/25/05	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	<0.048
	04/19/05	0.0015	0.0024	0.0050	0.0074	0.016	0.27	14
	07/19/05	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	1.1
	10/18/05	0.0062	<0.001	0.013	0.011	0.030	1.4	180
	01/24/06	0.017	0.0080	0.014	0.0093	0.048	1.6	87
	04/25/06	0.0060	<0.001	0.010	0.0051	0.021	1.3	64
	07/25/06	0.0030	<0.001	0.0060	0.0042	0.013	0.91	18
	10/24/06	0.0024 F	<0.001	0.0074 F	<0.003	0.0098	0.58	53
	01/24/07	0.0018	<0.001	<0.001	<0.003	0.0018	4.1	67
	04/24/07	0.0028	<0.001	0.013	0.0037	0.020	1.4	96
	07/24/07	0.0030	<0.001	<0.001	0.0035	0.0065	1.1	23
	10/23/07	0.0021	<0.001	0.014	0.0034	0.020	1.2	62
	01/29/08	<0.001	<0.001	<0.001	0.0011	0.0011	0.71	41
	04/22/08	<0.001	<0.001	<0.001	0.0011	0.0011	0.46	58
	07/22/08	<0.001	<0.001	<0.001	0.0012	0.0012	0.28	82
	10/21/08	<0.001	<0.001	<0.001	0.0010	0.0010	--	0.60
	01/20/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	1.0
	04/21/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	0.39
	07/28/09	<0.001	<0.001	<0.001	<0.001	<0.001	0.11	0.43
	10/27/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	0.42
	01/26/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	0.22
	04/27/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	0.23
	07/27/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	0.80
	10/26/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
	01/25/11	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	0.86
	04/20/11	<0.001	<0.001	<0.001	<0.003	<0.001	<0.05	0.40
	10/11/11	<0.001	<0.001	<0.001	<0.003	<0.001	<0.5	<0.5
	05/31/12	<0.001	<0.001	<0.001	<0.003	<0.001	<0.05	<0.5
	02/26/13	<0.001	<0.001	<0.001	<0.003	<0.001	<0.50	<0.50
	07/23/13	<0.001	<0.001	<0.001	<0.003	<0.001	<0.50	<0.50
	03/24/14	<0.001	<0.001	<0.001	<0.003	<0.001	<0.50	0.51
	07/28/14	<0.001	<0.001	<0.001	<0.003	<0.001	<0.50	<0.45
Duplicate	03/10/15	<0.001	<0.001	<0.001	<0.003	<0.003	<0.50	0.69
	03/10/15	<0.001	<0.001	<0.001	<0.003	<0.003	<0.50	5.8
	07/31/15	<0.001	<0.001	<0.001	<0.003	<0.003	<0.51	<0.45
IW-4	08/29/02	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	01/14/03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	04/23/03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	07/14/03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	10/16/03	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	<0.048

Historical Groundwater Analytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	Total BTEX (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		0.010	0.75	0.75	0.62		ne	ne
	01/20/04	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	<0.048
	04/20/04	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	<0.20
	07/21/04	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	<0.048
	10/26/04	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	0.082
	01/25/05	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	0.31
	04/19/05	0.0026	0.0030	0.0054	0.0082	0.019	0.33	10
	07/19/05	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	1.1
	10/18/05	0.032	0.0015	0.0026	0.014	0.050	0.98	70
	01/24/06	0.017	0.0022	0.0019	0.0093	0.030	0.79	35
	04/25/06	0.013	0.0010	0.0084	0.010	0.032	1.20	56
	07/25/06	0.0061	<0.001	0.011	0.0090	0.026	1.40	52
	10/24/06	0.0042 F	<0.001	0.00082 F	0.0078	0.0078	1.50	120
	01/24/07	0.0026	<0.001	<0.001	0.0072	0.010	1.40	0.10
	04/24/07	0.0021	<0.001	0.0098	0.0046	0.017	0.88	88
	07/24/07	0.0035	0.011	0.0066	0.0079	0.029	0.52	26
	10/23/07	0.0018	<0.001	0.0051	<0.003	0.0069	0.57	53
	01/29/08	0.0012	<0.001	<0.001	<1.0	0.0012	0.42	51
	04/22/08	<0.001	<0.001	<0.001	0.0013	0.0013	0.51	51
	07/22/08	<0.001	<0.001	<0.001	0.0011	0.0011	0.32	55
	10/21/08	<0.001	0.0013	<0.001	0.0026	0.0039	--	9.4
	01/20/09	<0.001	<0.001	<0.001	<0.001	<0.001	0.23	18
	04/21/09	<0.001	<0.001	<0.001	<0.001	<0.001	0.16	5.2
	07/28/09	<0.001	<0.001	<0.001	<0.001	<0.001	0.36	12
	10/27/09	<0.001	<0.001	<0.001	<0.001	<0.001	0.17	8.1
	01/26/10	<0.001	<0.001	<0.001	<0.001	<0.001	0.17	5.2
	04/27/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	14
	07/27/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	7.9
	10/26/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	8.2
	01/25/11	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	79
	04/20/11	<0.001	0.00048	<0.001	<0.003	0.00048	0.48	112
	10/11/11	<0.001	<0.001	<0.001	<0.003	<0.003	<0.5	31.3
	05/31/12	<0.001	<0.001	<0.001	<0.003	<0.003	1.63	19.9
IW-5	08/29/02	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	01/15/03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	04/23/03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	07/14/03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	10/16/03	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	0.086
	01/20/04	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	16
	04/20/04	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	0.25
	07/21/04	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	2.7
	10/26/04	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	0.048
	01/25/05	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	0.43
	04/19/05	0.0011	0.0012	0.0014	<0.003	0.0037	<0.10	2.0
	07/19/05	0.0019	<0.001	<0.001	<0.003	0.0019	<0.10	0.22
	10/18/05	0.020	<0.001	0.0055	0.0097	0.035	0.89	70
	01/24/06	0.0041	0.0031	0.0029	0.0062	0.016	0.55	4.5

Historical Groundwater Analytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Well ID</i>	<i>Sample Date</i>	<i>Benzene (mg/L)</i>	<i>Toluene (mg/L)</i>	<i>Ethylbenzene (mg/L)</i>	<i>Xylenes (mg/L)</i>	<i>Total BTEX (mg/L)</i>	<i>TPH-GRO (mg/L)</i>	<i>TPH-DRO (mg/L)</i>
NMWQCC groundwater quality standards		0.010	0.75	0.75	0.62		ne	ne
	04/25/06	0.0018	<0.001	0.0084	0.010	0.020	1.2	56
	07/25/06	0.0027	<0.001	0.0074	0.0037	0.014	0.96	99
	10/24/06	0.0026	<0.001	0.012	0.0030	0.018	0.89	130
	01/24/07	0.0016	<0.001	<0.001	<0.003	0.0016	2.1	48
	04/24/07	0.0015	<0.001	0.0059	<0.003	0.0074	0.59	48
	07/24/07	<0.001	<0.001	<0.001	<0.003	<0.003	0.33	8.5
	10/23/07	<0.001	<0.001	0.0046	<0.003	0.0046	0.44	42
	01/29/08	<0.001	<0.001	<0.001	0.0014	0.0014	0.36	4.9
	04/22/08	0.020	<0.001	<0.001	0.0015	0.022	0.51	54
	07/22/08	0.16	0.0016	0.0015	0.0021	0.17	0.95	66
	10/21/08	0.23	0.0013	<0.001	0.0032	0.23	--	22
	01/20/09	<0.001	<0.001	<0.001	0.0011	0.0011	0.30	15
	04/21/09	<0.001	<0.001	<0.001	0.0056	0.0056	0.36	18
	07/28/09	0.0015	<0.001	<0.001	0.0014	0.0029	0.34	18
	10/27/09	0.0015	<0.001	<0.001	0.0010	0.0025	0.36	5.5
	01/26/10	0.0035	0.0016	<0.001	0.0011	0.0062	0.47	3.5
	04/27/10	0.0014	0.0012	<0.001	<0.001	0.0026	0.39	3.4
	07/27/10	<0.001	0.0012	<0.001	0.0017	0.0029	0.34	2.9
	10/26/10	0.0012	0.0011	<0.001	0.0014	0.0037	0.27	12
	01/25/11	<0.001	1.3	<0.001	0.0015	1.3	0.38	22
	04/20/11	0.0023	<0.001	0.00055	<0.003	0.0029	0.83	6.12
	10/11/11	<0.001	<0.001	<0.001	<0.003	<0.003	<0.5	7.4
	05/31/12	<0.001	<0.001	<0.001	<0.003	<0.003	0.71	38.9
IW-6	08/29/02	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	7.62
	01/15/03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	04/23/03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	07/14/03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	10/16/03	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	0.15
	01/20/04	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	11
	10/26/04	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	1.4
	01/25/05	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	0.76
	04/19/05	0.0031	0.0030	0.0047	<0.003	0.011	0.19	2.0
	07/19/05	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	3.4
	10/18/05	0.0071	<0.001	0.0044	0.017	0.029	0.88	110
	01/24/06	0.0033	0.0028	<0.001	0.012	0.018	0.71	48
	10/24/06	0.0021 F	<0.001	0.0084 F	0.0068	0.017	0.87	61
IW-7	08/29/02	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	01/15/03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	04/23/03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	07/14/03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	10/16/03	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	0.64
	01/20/04	<0.001	<0.001	<0.001	<0.003	<0.003	0.15	40
	04/20/04	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	1.7
	07/21/04	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	18
	10/26/04	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	3.3

Historical Groundwater Analytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Well ID</i>	<i>Sample Date</i>	<i>Benzene (mg/L)</i>	<i>Toluene (mg/L)</i>	<i>Ethylbenzene (mg/L)</i>	<i>Xylenes (mg/L)</i>	<i>Total BTEX (mg/L)</i>	<i>TPH-GRO (mg/L)</i>	<i>TPH-DRO (mg/L)</i>
NMWQCC groundwater quality standards		0.010	0.75	0.75	0.62		ne	ne
	01/25/05	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	0.21
	04/19/05	0.0014	0.0042	0.0087	0.0067	0.02	0.55	2.1
	07/19/05	<0.001	<0.001	<0.001	<0.003	<0.003	0.10	0.30
	10/18/05	0.0085	0.0037	0.0067	0.035	0.054	2.3	360
	01/24/06	0.0064	0.0053	0.0061	0.030	0.048	1.4	41
	04/25/06	0.0055	<0.001	0.023	0.030	0.059	2.7	330
	07/25/06	0.0043	<0.001	0.0086	0.013	0.026	1.4	110
	10/24/06	0.0032 F	<0.001	0.012 F	0.013	0.013	1.1	44
	01/24/07	0.0018	<0.001	<0.001	0.0066	0.008	0.95	57
	04/24/07	<0.001	<0.001	0.011	0.0055	0.017	1.2	67
	07/24/07	0.0014	<0.001	<0.001	<0.003	0.0014	0.42	4.8
	10/23/07	<0.001	<0.001	0.0045	<0.003	0.0045	0.37	19
	01/29/08	<0.001	<0.001	<0.001	<1.0	<1.0	0.27	58
	04/22/08	<0.001	<0.001	<0.001	0.0011	0.0011	0.38	68
	07/22/08	<0.001	<0.001	<0.001	0.0018	0.0018	4.4	70
	10/21/08	<0.001	<0.001	<0.001	0.0011	0.0011	--	14
	01/20/09	<0.001	<0.001	<0.001	0.0012	0.0012	0.38	32
	04/21/09	<0.001	<0.001	<0.001	<0.001	<0.001	0.12	6.5
	07/28/09	<0.001	<0.001	<0.001	<0.001	<0.001	0.13	6.2
	10/27/09	<0.001	<0.001	<0.001	<0.001	<0.001	0.17	20
Duplicate	10/27/09	<0.001	<0.001	<0.001	<0.001	<0.001	0.14	20
	01/26/10	<0.001	<0.001	<0.001	<0.001	<0.001	0.24	20
Duplicate	01/26/10	<0.001	<0.001	<0.001	<0.001	<0.001	0.27	43
	04/27/10	<0.001	<0.001	<0.001	0.0014	0.0014	0.51	85
Duplicate	04/27/10	<0.001	<0.001	<0.001	0.0014	0.0014	0.52	86
	07/27/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	23
Duplicate	07/27/10	<0.001	<0.001	<0.001	0.0012	0.0012	0.25	36
	10/26/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	6.1
Duplicate	10/26/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	2.3
	01/25/11	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	20
Duplicate	01/25/11	<0.001	<0.001	<0.001	<0.001	<0.001	0.10	17
	04/20/11	<0.001	<0.001	<0.001	<0.003	<0.003	0.43	120
	10/11/11	<0.002	<0.001	<0.001	<0.003	<0.003	<0.5	na
SVE-1	08/29/02	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	01/14/03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	04/23/03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	07/14/03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	10/16/03	<0.001	<0.001	<0.001	<3.0	<3.0	<0.10	<0.048
	01/20/04	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	0.055
	04/20/04	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	<0.20
	07/21/04	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	0.059
	10/26/04	0.079	0.0028	<0.001	<0.003	0.082	0.32	0.099
	01/25/05	0.062	0.0034	0.0019	0.012	0.079	0.41	0.34
	04/19/05	0.054	0.0014	0.0017	0.0077	0.065	0.21	0.048
	07/19/05	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	0.32
	10/18/05	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	0.31

Historical Groundwater Analytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Well ID</i>	<i>Sample Date</i>	<i>Benzene (mg/L)</i>	<i>Toluene (mg/L)</i>	<i>Ethylbenzene (mg/L)</i>	<i>Xylenes (mg/L)</i>	<i>Total BTEX (mg/L)</i>	<i>TPH-GRO (mg/L)</i>	<i>TPH-DRO (mg/L)</i>
NMWQCC groundwater quality standards		0.010	0.75	0.75	0.62		ne	ne
	01/24/06	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	0.10
	04/25/06	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	0.069
	07/25/06	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	0.049
	10/24/06	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	<0.049
	01/24/07	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	<0.049
	04/24/07	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	<0.050
	07/24/07	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	0.12
	10/23/07	<0.001	<0.001	<0.001	<0.003	<0.003	<0.10	<0.050
	01/29/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	04/22/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
	07/22/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
Duplicate	07/22/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	0.11
	10/21/08	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.05
Duplicate	10/21/08	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.05
	01/20/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	0.064
	04/21/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
Duplicate	04/21/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	0.099
	07/28/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
Duplicate	07/28/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	0.24
	10/27/09	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
	01/26/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
	04/27/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	0.15
	07/27/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	0.19
	10/26/10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
	01/25/11	<0.001	<0.001	<0.001	<0.001	<0.001	<0.10	<0.20
	04/20/11	<0.001	<0.001	<0.001	<0.003	<0.003	<0.05	0.082
	10/11/11	<0.001	<0.001	<0.001	<0.003	<0.003	<0.50	<0.50

Notes:

NMWQCC = New Mexico Water Quality Control Commission

Analytical results are presented in milligrams per liter (mg/L).

< = analyte was not detected at or above the reported detection limit.

ne = not established na = not analyzed -- = no data available

TPH-GRO = Total Volatile Petroleum Hydrocarbons (TVPH)

TPH-DRO = Total Extractable Petroleum Hydrocarbons (TEPH)

Shaded/bolded values exceed their respective NMWQCC Standard for Ground Water.

Duplicate = duplicate sample

F= reported value estimated due to an interference

Table 5

Groundwater Analytical Data - Chloride, Total Hardness, Iron and Manganese
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Well ID</i>	<i>Sample Date</i>	<i>Chloride (mg/L)</i>	<i>Total Hardness (mg/L)</i>	<i>Iron (mg/L)</i>	<i>Manganese (mg/L)</i>
NMWQCC groundwater quality standards		250		1.0	0.2
MW-2	07/16/99	28	--	--	--
	10/20/99	180	--	--	--
	01/13/00	200	--	--	--
	04/06/00	190	--	--	--
	08/01/00	180	--	--	--
	11/15/00	170	--	--	--
	03/06/01	160	--	--	--
	06/26/01	170	--	--	--
	09/25/01	150	--	--	--
	12/12/01	151	--	--	--
	05/20/02	137	590	3.09	0.098
MW-3	07/16/99	170	--	--	--
	10/20/99	120	--	--	--
	01/13/00	160	--	--	--
	04/06/00	170	--	--	--
MW-4	07/16/99	190	--	--	--
MW-9	07/16/99	140	--	--	--
	10/20/99	110	--	--	--
	01/13/00	130	--	--	--
	04/06/00	140	--	--	--
	08/01/00	140	--	--	--
	11/15/00	140	--	--	--
	03/06/01	130	--	--	--
MW-10	07/16/99	100	--	--	--
	10/20/99	120	--	--	--
	01/13/00	170	--	--	--
	04/06/00	210	--	--	--
	08/01/00	160	--	--	--
	11/15/00	200	--	--	--
	03/06/01	180	--	--	--
	06/26/01	170	--	--	--
	09/25/01	170	--	--	--
	12/12/01	169	--	--	--
	05/20/02	164	594	1.87	0.303
MW-11	10/20/99	120	--	--	--
	01/13/00	140	--	--	--
	04/06/00	120	--	--	--
	08/01/00	110	--	--	--

Table 5

Groundwater Analytical Data - Chloride, Total Hardness, Iron and Manganese
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Well ID</i>	<i>Sample Date</i>	<i>Chloride (mg/L)</i>	<i>Total Hardness (mg/L)</i>	<i>Iron (mg/L)</i>	<i>Manganese (mg/L)</i>
NMWQCC groundwater quality standards		250		1.0	0.2
	11/15/00	110	--	--	--
	03/06/01	100	--	--	--
	06/26/01	110	--	--	--
	09/25/01	150	--	--	--
	12/12/01	100	--	--	--
	05/20/02	96	1,280	3.43	0.051
MW-12	10/20/99	140	--	--	--
	01/13/00	140	--	--	--
	04/06/00	130	--	--	--
	08/01/00	120	--	--	--
	11/15/00	120	--	--	--
	03/06/01	91	--	--	--
	06/26/01	120	--	--	--
	09/25/01	110	--	--	--
	12/12/01	109	--	--	--
	05/20/02	100	845	11.7	0.106
MW-13	06/04/00	56	--	--	--
	01/08/00	71	--	--	--
	11/15/00	86	--	--	--
	06/01/03	110	--	--	--
	06/26/01	120	--	--	--
	09/25/01	110	--	--	--
	12/01/12	114	--	--	--
	05/20/02	111	905	1.2	0.018
	08/29/02	106	--	5.72	--
	01/15/03	113	--	--	--
	04/23/03	406		0.351	
	07/14/03	125	--	--	--
	10/16/03	120	--	--	--
	10/26/04	120	--	--	--
	01/25/05	130	--	--	--
	04/19/05	117	--	--	--
	Duplicate	04/19/05	103	--	--
		07/19/05	116	--	--
	Duplicate	07/19/05	115	--	--
		10/18/05	108	--	--
	Duplicate	10/18/05	106	--	--
		01/24/06	109	--	--
	Duplicate	01/24/06	115	--	--
		04/25/06	107	1.4	0.11
	Duplicate	04/25/06	109	1.7	0.11

Groundwater Analytical Data - Chloride, Total Hardness, Iron and Manganese
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Well ID</i>	<i>Sample Date</i>	<i>Chloride (mg/L)</i>	<i>Total Hardness (mg/L)</i>	<i>Iron (mg/L)</i>	<i>Manganese (mg/L)</i>
NMWQCC groundwater quality standards		250		1.0	0.2
	07/25/06	69.2	--	--	--
Duplicate	07/25/06	69.7	--	--	--
	10/24/06	80.7	--	--	--
Duplicate	10/24/06	69.5	--	--	--
	01/24/07	63.9	--	--	--
Duplicate	01/24/07	67.1	--	--	--
	04/24/07	55.9	--	2.7	0.16
Duplicate	04/24/07	56	--	2.8	0.17
	07/24/07	63.6	--	--	--
Duplicate	07/24/07	63.6	--	--	--
	10/23/07	75.8	--	--	--
Duplicate	10/23/07	80.7	--	--	--
	01/29/08	70	--	--	--
Duplicate	01/29/08	73.1	--	--	--
	04/22/08	37.3	--	4.6	0.177
Duplicate	04/22/08	39.3	--	4.5	0.177
	07/22/08	33.5	--	--	--
	01/20/09	77.5	--	--	--
Duplicate	01/20/09	79.8	--	--	--
	10/27/09	180	--	--	--
	01/26/10	163	--	--	--
	07/27/10	149	--	--	--
	10/26/10	172	--	--	--
EW-1	07/16/03	172	--	--	--
	10/16/03	147		0.22	
EW-2	07/16/03	160	--	--	--
	10/16/03	164	--	--	--
	07/20/05	110		0.22	
	01/24/06	74.5	--	--	--
	04/25/06	52.7		0.48	0.044
	10/24/06	56.3	--	--	--
	01/24/07	38.5	--	--	--
EW-2	04/24/07	77.6	--	8.7	0.22
	07/24/07	52.9	--	--	--
	10/23/07	55.1	--	--	--
	01/29/08	70.2	--	--	--
	04/22/08	79.1		0.26	0.0299
	07/22/08	123	--	--	--
	10/21/08	68.6	--	--	--
	01/20/09	113	--	--	--

Table 5

Groundwater Analytical Data - Chloride, Total Hardness, Iron and Manganese
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Well ID</i>	<i>Sample Date</i>	<i>Chloride (mg/L)</i>	<i>Total Hardness (mg/L)</i>	<i>Iron (mg/L)</i>	<i>Manganese (mg/L)</i>
NMWQCC groundwater quality standards		250		1.0	0.2
IW-2	08/29/02	86		6.55	--
	01/14/03	132	--	--	--
	04/23/03	152	--	0.089	--
	07/14/03	171	--	--	--
	10/15/03	103	--	--	--
	01/20/04	97	--	--	--
	04/20/04	99.4	--	--	--
	07/21/04	121	--	--	--
	10/26/04	146	--	--	--
	01/25/05	158	--	--	--
	04/19/05	146	--	--	--
	07/19/05	125	--	--	--
	10/18/05	107	--	--	--
	01/24/06	105	--	--	--
	04/25/06	110	--	0.69	0.13
	07/25/06	68.9	--	--	--
	10/24/06	80.8	--	--	--
	01/24/07	83.9	--	--	--
	04/24/07	82.0	--	0.33	--
	07/24/07	71.5	--	--	--
	10/23/07	77.5	--	--	--
	01/29/08	78.4	--	--	--
	04/22/08	83.3		0.28	0.00606
	07/22/08	74.1	--	--	--
	10/21/08	73.8	--	--	--
	01/20/09	78.2	--	--	--
	04/21/09	66.6	--	0.183	0.00994
	07/28/09	68.3	--	--	--
	10/27/09	80.5	--	--	--
	01/26/10	71.7	--	--	--
	04/27/10	67.2	--	0.113	0.00516
	07/27/10	86	--	--	--
	10/26/10	90.1	--	--	--
	01/25/11	74.5	--	--	--
	04/20/11	71.4	--	0.268	<0.0015
	10/11/11	82.7	--	--	--
	05/31/12	71.7	--	--	--
	02/26/13	71.1	--	1.93	0.008
Duplicate	02/26/13	71.3	--	1.97	0.008
	07/23/13	74.0	--	--	--
Duplicate	07/23/13	72.0	--	--	--
	03/24/14	79.1	--	--	--
Duplicate	03/24/14	79.7	--	--	--

Groundwater Analytical Data - Chloride, Total Hardness, Iron and Manganese
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Well ID</i>	<i>Sample Date</i>	<i>Chloride (mg/L)</i>	<i>Total Hardness (mg/L)</i>	<i>Iron (mg/L)</i>	<i>Manganese (mg/L)</i>
NMWQCC groundwater quality standards		250		1.0	0.2
IW-3	08/29/02	82	--	8.28	--
	01/14/03	94.6	--	--	--
	04/23/03	115	--	1.47	--
	07/14/03	161	--	--	--
	10/15/03	99.1	--	--	--
	01/20/04	89.3	--	--	--
	04/20/04	91.5	--	--	--
	07/21/04	148	--	--	--
	10/26/04	90.2	--	--	--
	01/25/05	158	--	--	--
	04/19/05	148	--	--	--
	07/19/05	124	--	--	--
	10/18/05	106	--	--	--
	01/24/06	97.7	--	--	--
	04/25/06	103	--	0.68	0.21
	07/25/06	87.8	--	--	--
	10/24/06	91.4	--	--	--
	01/24/07	90.7	--	--	--
	04/24/07	93.1	--	0.60	0.074
	07/24/07	89.7	--	--	--
	10/23/07	89.9	--	--	--
	01/29/08	87.4	--	--	--
	04/22/08	97.2	--	0.41	0.0336
	07/22/08	79.5	--	--	--
	10/21/08	73.7	--	--	--
	01/20/09	87.5	--	--	--
	04/21/09	80.8	--	0.16	0.0210
	07/28/09	78.1	--	--	--
	10/27/09	98.6	--	--	--
	01/26/10	79	--	--	--
	04/27/10	75	--	0.0503	0.0155
	07/27/10	46.4	--	--	--
	10/26/10	90.0	--	--	--
	01/25/11	75.9	--	--	--
	04/20/11	73.3	--	<0.1	<0.015
	10/11/11	78.9	--	--	--
	05/31/12	72.1	--	--	--
	02/26/13	70.9	--	11.4	0.137
	07/23/13	52.2	--	--	--
	03/24/14	72.6	--	--	--
IW-4	08/29/02	99.5	--	2.45	--

Table 5

Groundwater Analytical Data - Chloride, Total Hardness, Iron and Manganese
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Well ID</i>	<i>Sample Date</i>	<i>Chloride (mg/L)</i>	<i>Total Hardness (mg/L)</i>	<i>Iron (mg/L)</i>	<i>Manganese (mg/L)</i>
NMWQCC groundwater quality standards		250		1.0	0.2
	01/14/03	111	--	--	--
	04/23/03	153	--	0.221	--
	07/14/03	4.0	--	--	--
	10/16/03	141	--	--	--
	01/20/04	114	--	--	--
	04/20/04	101	--	--	--
	07/21/04	125	--	--	--
	10/26/04	139	--	--	--
	01/25/05	154	--	--	--
	04/19/05	147	--	--	--
	07/09/05	125	--	--	--
	10/18/05	108	--	--	--
	01/24/06	115	--	--	--
	04/25/06	131	--	3.0	0.44
	07/25/06	41	--	--	--
	10/24/06	56.6	--	--	--
	01/24/07	53.7	--	--	--
	04/24/07	56.2	--	0.87	0.23
	07/24/07	51.4	--	--	--
	10/23/07	41.1	--	--	--
	01/29/08	34.7	--	--	--
	04/22/08	54.5	--	0.36	0.102
	07/22/08	46.7	--	--	--
	10/21/08	55.1	--	--	--
	01/20/09	66.3	--	--	--
	04/21/09	67.1	--	0.527	0.0661
	07/28/09	72.2	--	--	--
	10/27/09	93.4	--	--	--
	01/26/10	72.7	--	--	--
	04/27/10	86.9	--	0.241	0.0637
	07/27/10	56.9	--	--	--
	10/26/10	94.3	--	--	--
	01/25/11	81.8	--	--	--
	04/20/11	81.1	--	0.178	0.0303
	10/11/11	96	--	--	--
	05/31/12	85	--	--	--
IW-5	08/29/02	90	--	3.33	
	01/15/03	117	--	--	--
	04/23/03	156	--	2.13	
	07/14/03	160	--	--	--
	10/16/03	166	--	--	--
	01/20/04	140	--	--	--

Table 5

Groundwater Analytical Data - Chloride, Total Hardness, Iron and Manganese
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Well ID</i>	<i>Sample Date</i>	<i>Chloride (mg/L)</i>	<i>Total Hardness (mg/L)</i>	<i>Iron (mg/L)</i>	<i>Manganese (mg/L)</i>
NMWQCC groundwater quality standards		250		1.0	0.2
	04/20/04	124	--	--	--
	07/21/04	138	--	--	--
	10/26/04	128	--	--	--
	01/25/05	156	--	--	--
	04/19/05	147	--	--	--
	07/19/05	124	--	--	--
	10/18/05	110	--	--	--
	01/24/06	131	--	--	--
	04/25/06	141	--	1.3	0.32
	07/25/06	93	--	--	--
	10/24/06	129	--	--	--
	01/24/07	131	--	--	--
	04/24/07	138	--	1.0	0.14
	07/24/07	133	--	--	--
	10/23/07	129	--	--	--
	01/29/08	135	--	--	--
	04/22/08	166	--	1.7	0.112
	07/22/08	111	--	--	--
	10/21/08	105	--	--	--
	01/20/09	144	--	--	--
	04/21/09	134	--	2.65	0.110
	07/28/09	97.9	--	--	--
	10/27/09	62.2	--	--	--
	01/26/10	75.4	--	--	--
	04/27/10	85.5	--	3.34	0.110
	07/27/11	96.7	--	--	--
	10/26/10	137	--	--	--
	01/25/11	147	--	--	--
	04/20/11	136	--	3.05	0.124
	10/11/11	132	--	--	--
	05/31/12	274	--	--	--
IW-6	08/29/02	92	--	7.16	--
	01/15/03	100	--	--	--
	04/23/03	132	--	0.27	--
	07/14/03	120	--	--	--
	10/16/04	165	--	--	--
	01/20/04	138	--	--	--
	10/26/04	76.6	--	--	--
	01/25/05	156	--	--	--
	04/19/05	145	--	--	--
	07/19/05	123	--	--	--
	10/18/05	110	--	--	--

Groundwater Analytical Data - Chloride, Total Hardness, Iron and Manganese
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Well ID</i>	<i>Sample Date</i>	<i>Chloride (mg/L)</i>	<i>Total Hardness (mg/L)</i>	<i>Iron (mg/L)</i>	<i>Manganese (mg/L)</i>
NMWQCC groundwater quality standards		250		1.0	0.2
	01/24/06	115	--	--	--
	10/24/06	160	--	--	--
IW-7	08/29/02	161	--	18.6	--
	01/15/03	142	--	--	--
	04/23/03	152	--	0.524	--
	07/14/03	140	--	--	--
	10/16/03	165	--	--	--
	01/20/04	138	--	--	--
	04/20/04	160	--	--	--
	07/21/04	142	--	--	--
	07/21/04	139	--	--	--
	10/26/04	125	--	--	--
	01/25/05	155	--	--	--
	01/25/05	157	--	--	--
	04/19/05	131	--	--	--
	09/15/07	125	--	--	--
	10/18/05	107	--	--	--
	01/24/06	102	--	--	--
	04/25/06	105	--	0.23	0.31
	07/25/06	87	--	--	--
	10/24/06	88.7	--	--	--
	01/24/07	91.9	--	--	--
Duplicate	04/24/07	92.6	--	0.45	0.055
	07/24/07	85.9	--	--	--
	10/23/07	81.9	--	--	--
	01/29/08	89.4	--	--	--
	04/22/08	107	--	0.772	0.0407
	07/22/08	72.7	--	--	--
	10/21/08	69.5	--	--	--
	01/20/09	83.2	--	--	--
	04/21/09	71.4	--	0.746	0.0347
	07/28/09	74.7	--	--	--
	10/27/09	88.8	--	--	--
	10/27/09	84.8	--	--	--
	01/26/10	79.4	--	--	--
	01/26/10	71	--	--	--
	04/27/10	71.6	--	0.194	0.0452
	04/27/10	73.6	--	0.147	0.0446
	07/27/10	68.2	--	--	--
	07/27/10	68.2	--	--	--
	10/26/10	73.2	--	--	--
	10/26/10	82.2	--	--	--

Groundwater Analytical Data - Chloride, Total Hardness, Iron and Manganese
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Well ID</i>	<i>Sample Date</i>	<i>Chloride (mg/L)</i>	<i>Total Hardness (mg/L)</i>	<i>Iron (mg/L)</i>	<i>Manganese (mg/L)</i>
NMWQCC groundwater quality standards		250		1.0	0.2
	01/25/11	61.8	--	--	--
Duplicate	01/25/11	62.8	--	--	--
	04/20/11	60.3	--	0.21	0.0356
	10/11/11	72.1	--	--	--
SVE-1	08/29/02	96.5	--	--	--
	01/14/03	122	--	--	--
	04/23/03	123	--	2.27	--
	07/14/03	117	--	--	--
	10/16/03	113	--	--	--
	01/20/04	105	--	--	--
	04/20/04	109	--	--	--
	07/21/04	103	--	--	--
	10/26/04	52.7	--	--	--
	01/25/04	73.9	--	--	--
	04/19/05	97.2	--	--	--
	07/19/05	102	--	--	--
	10/18/05	96.5	--	--	--
	01/24/06	109	--	--	--
	04/25/06	140	--	--	0.018
	07/25/06	112	--	--	--
	10/24/06	117	--	--	--
	01/24/07	121	--	--	--
	04/24/07	124	--	--	--
	07/24/07	120	--	--	--
	10/23/07	121	--	--	--
	01/29/08	120	--	--	--
	04/22/08	86.8	--	<0.02	<0.005
	07/22/08	124	--	--	--
Duplicate	07/22/08	124	--	--	--
	10/21/08	113	--	--	--
Duplicate	10/21/08	105	--	--	--
	01/20/09	137	--	--	--
	04/21/09	114	--	0.0734	0.00928
Duplicate	04/21/09	118	--	0.756	0.0109
	07/28/09	113	--	--	--
Duplicate	07/28/09	114	--	--	--
	10/27/09	133	--	--	--
	01/26/10	126	--	--	--
	04/27/10	118	--	0.0416	0.00876
	07/27/10	17.2	--	--	--
	10/26/10	63.1	--	--	--
	01/25/11	124	--	--	--

Groundwater Analytical Data - Chloride, Total Hardness, Iron and Manganese
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

<i>Well ID</i>	<i>Sample Date</i>	<i>Chloride (mg/L)</i>	<i>Total Hardness (mg/L)</i>	<i>Iron (mg/L)</i>	<i>Manganese (mg/L)</i>
NMWQCC groundwater quality standards		250		1.0	0.2
	04/20/11	120	--	0.306	0.145
	10/11/11	125	--	--	--

Notes:

NMWQCC = New Mexico Water Quality Control Commission

Analytical results are presented in milligrams per liter (mg/L).

< = analyte was not detected at or above the reported detection limit.

Duplicate = Duplicate Sample

-- = no data available

Shaded/bolded values exceed their respective NMWQCC Standard for Ground Water.

Historical Groundwater Analytical Data - Metals and PAHs
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico

Metal Analytes																		
Well ID	Sample Date	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Zinc (mg/L)
NMWQCC groundwater quality standards		5.0	0.1	1.0	0.75	0.01	0.05	0.05	1.0	1.0	0.05	0.2	0.002	1.0	0.2	0.05	0.05	10
IW-2 Duplicate	4/20/2011	<0.2	0.00970	<0.2	0.174	<0.004	<0.01	<0.05	<0.025	0.268	0.0171	<0.015	<0.0002	<0.010	<0.04	<0.005	<0.01	<0.02
	2/26/2013	na	0.0261	0.229	0.168	<0.005	0.0811	<0.005	<0.01	1.93	<0.005	0.008	<0.0002	<0.02	0.0072	<0.015	<0.007	<0.50
	2/26/2013	na	0.030	0.23	0.172	<0.005	0.0278	<0.005	<0.01	1.97	<0.005	0.008	<0.0002	<0.02	0.0053	<0.015	<0.007	<0.50
IW-3	4/20/2011	<0.2	0.0060	<0.2	0.186	<0.004	<0.01	<0.05	<0.025	<0.1	0.0153	<0.015	<0.0002	<0.010	<0.04	<0.005	<0.01	<0.02
	2/26/2013	na	0.0374	0.303	0.201	<0.005	0.159	0.0135	0.0309	11.4	0.0064	0.137	<0.0002	<0.02	0.147	<0.015	<0.007	0.0805
IW-4	4/20/2011	<0.2	0.0230	0.205	0.166	<0.004	<0.01	<0.05	<0.025	0.178	0.0157	0.0303	<0.0002	<0.010	<0.04	<0.005	<0.01	<0.02
IW-5	4/20/2011	<0.2	0.0284	0.881	0.344	<0.004	<0.01	<0.05	<0.025	3.05	0.015	0.124	<0.0002	0.0226	<0.04	<0.005	<0.01	<0.02
IW-7 Duplicate	4/20/2011	<0.2	0.0369	<0.2	0.281	<0.004	<0.01	<0.05	<0.025	0.210	0.0151	0.0356	<0.0002	<0.0002	<0.04	<0.005	<0.01	<0.02
	4/20/2011	<0.2	0.0364	<0.2	0.286	<0.004	<0.01	<0.05	<0.025	0.212	0.0176	0.0358	<0.0002	0.0310	<0.04	<0.005	<0.01	<0.02
SVE-1	4/20/2011	<0.2	<0.005	0.367	0.236	<0.004	<0.01	<0.005	<0.005	0.3060	0.0154	0.14500	<0.0002	<0.01	<0.04	<0.005	<0.01	<0.02

PAH Analytes																		
Well ID	Sample Date	2-Methylnaphthalene (ug/L)	Acenaphthene (ug/L)	Acenaphthylene (ug/L)	Anthracene (ug/L)	Benzo(a)anthracene (ug/L)	Benzo(a)pyrene (ug/L)	Benzo(b)fluoranthene (ug/L)	Benzo(g,h,i)perylene (ug/L)	Benzo(k)fluoranthene (ug/L)	Chrysene (ug/L)	Dibenz(a,h)anthracene (ug/L)	Fluoranthene (ug/L)	Fluorene (ug/L)	Indeo(1,2,3-cd)pyrene (ug/L)	Naphthalene (ug/L)	Phenanthrene (ug/L)	Pyrene (ug/L)
NMWQCC groundwater quality standards		30	ne	ne	ne	ne	0.70	ne	ne	ne	ne	ne	ne	ne	ne	30	ne	ne
IW-2 Duplicate	4/20/2011	<0.21	<0.21	<0.21	<0.21	0.13	<0.21	<0.21	<0.21	<0.21	0.23	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
	2/26/2013	na	<0.10	<0.10	0.26	<0.10	<0.10	<0.10	0.11	<0.10	0.32	0.15	0.15	<0.10	0.14	<0.50	<0.50	0.23
	2/26/2013	na	<0.10	<0.10	0.37	<0.10	<0.10	<0.10	<0.10	<0.10	0.50	<0.10	0.23	<0.10	<0.10	<0.50	<0.50	0.33
IW-3	4/20/2011	<0.051	<0.051	<0.051	<0.051	<0.051	<0.71	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051
	2/26/2013	na	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.10
IW-4	4/20/2011	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
IW-5	4/20/2011	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	1.6	<0.21
IW-7 Duplicate	4/20/2011	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	4/20/2011	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
SVE-1	4/20/2011	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23

Notes:
mg/L = Milligrams per liter
µg/L = Micrograms per liter
NMWQCC = New Mexico Water Quality Control Commission
<= analyte was not detected at or above the reported detection level.
na = not analyzed
Shaded/bolded values exceed their respective WQCC Standard for Ground Water provided in 20.6.2.3103 NMAC.
Duplicate = duplicate sample

Appendix A

Groundwater Laboratory Analytical Reports –2015

March 25, 2015

Moshghan Mansoori
P66 CRA TX
2270 Springlake dr Ste 800
Dallas, TX 75234

RE: Project: 075017 LINE NM1-1
Pace Project No.: 60189658

Dear Moshghan Mansoori:

Enclosed are the analytical results for sample(s) received by the laboratory on March 13, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Alice Flanagan
alice.flanagan@pacelabs.com
Project Manager

Enclosures



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CERTIFICATIONS

Project: 075017 LINE NM1-1

Pace Project No.: 60189658

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

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SAMPLE SUMMARY

Project: 075017 LINE NM1-1

Pace Project No.: 60189658

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60189658001	IW-2-031015	Water	03/10/15 16:05	03/13/15 08:35
60189658002	IW-3-031015	Water	03/10/15 17:00	03/13/15 08:35
60189658003	MW-4-031015	Water	03/10/15 17:40	03/13/15 08:35
60189658004	DUP-1-031015	Water	03/10/15 08:00	03/13/15 08:35
60189658005	TRIP BLANK	Water	03/10/15 08:00	03/13/15 08:35

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SAMPLE ANALYTE COUNT

Project: 075017 LINE NM1-1

Pace Project No.: 60189658

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60189658001	IW-2-031015	EPA 8015B	JDE	3	PASI-K
		EPA 5030B/8015B	JTK	3	PASI-K
		EPA 5030B/8260	PRG	8	PASI-K
60189658002	IW-3-031015	EPA 8015B	JDE	3	PASI-K
		EPA 5030B/8015B	JTK	3	PASI-K
		EPA 5030B/8260	PRG	8	PASI-K
60189658003	MW-4-031015	EPA 8015B	JDE	3	PASI-K
		EPA 5030B/8015B	JTK	3	PASI-K
		EPA 5030B/8260	PRG	8	PASI-K
60189658004	DUP-1-031015	EPA 8015B	JDE	3	PASI-K
		EPA 5030B/8015B	JTK	3	PASI-K
		EPA 5030B/8260	PRG	8	PASI-K

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SUMMARY OF DETECTION

Project: 075017 LINE NM1-1

Pace Project No.: 60189658

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
60189658001	IW-2-031015					
EPA 8015B	TPH-DRO	240	mg/L	22.7	03/17/15 21:09	
EPA 5030B/8015B	Preservation pH	1.0		0.10	03/20/15 13:51	
EPA 5030B/8260	Preservation pH	1.0		0.10	03/18/15 02:00	
60189658002	IW-3-031015					
EPA 8015B	TPH-DRO	0.69	mg/L	0.45	03/17/15 21:17	
EPA 5030B/8015B	Preservation pH	1.0		0.10	03/20/15 14:08	
EPA 5030B/8260	Preservation pH	1.0		0.10	03/18/15 02:16	
60189658003	MW-4-031015					
EPA 8015B	TPH-DRO	427	mg/L	35.7	03/17/15 21:25	
EPA 5030B/8015B	TPH-GRO	2.2	mg/L	0.50	03/20/15 14:24	
EPA 5030B/8015B	Preservation pH	1.0		0.10	03/20/15 14:24	
EPA 5030B/8260	Benzene	19.1	ug/L	10.0	03/18/15 23:15	
EPA 5030B/8260	Ethylbenzene	19.7	ug/L	10.0	03/18/15 23:15	
EPA 5030B/8260	Preservation pH	7.0		0.10	03/18/15 23:15	pH
60189658004	DUP-1-031015					
EPA 8015B	TPH-DRO	5.8	mg/L	0.45	03/17/15 13:10	
EPA 5030B/8015B	Preservation pH	1.0		0.10	03/20/15 14:41	
EPA 5030B/8260	Preservation pH	1.0		0.10	03/18/15 02:49	

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PROJECT NARRATIVE

Project: 075017 LINE NM1-1

Pace Project No.: 60189658

Method: EPA 8015B

Description: 8015B Diesel Range Organics

Client: P66 CRA TX

Date: March 25, 2015

General Information:

4 samples were analyzed for EPA 8015B. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/48532

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- IW-2-031015 (Lab ID: 60189658001)
 - n-Tetracosane (S)
 - p-Terphenyl (S)
- MW-4-031015 (Lab ID: 60189658003)
 - n-Tetracosane (S)
 - p-Terphenyl (S)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: OEXT/48532

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 075017 LINE NM1-1
Pace Project No.: 60189658

Method: EPA 5030B/8015B
Description: Gasoline Range Organics
Client: P66 CRA TX
Date: March 25, 2015

General Information:

4 samples were analyzed for EPA 5030B/8015B. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: GCV/5030

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

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PROJECT NARRATIVE

Project: 075017 LINE NM1-1

Pace Project No.: 60189658

Method: EPA 5030B/8260

Description: 8260 MSV

Client: P66 CRA TX

Date: March 25, 2015

General Information:

4 samples were analyzed for EPA 5030B/8260. All samples were received in acceptable condition with any exceptions noted below.

pH: Post-analysis pH measurement indicates insufficient VOA sample preservation.

- MW-4-031015 (Lab ID: 60189658003)

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/68226

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

QC Batch: MSV/68254

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Analyte Comments:

QC Batch: MSV/68254

1e: Sample was diluted due to the presence of high levels of sediment in the vials.

- MW-4-031015 (Lab ID: 60189658003)
- 4-Bromofluorobenzene (S)

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: 075017 LINE NM1-1

Pace Project No.: 60189658

Sample: IW-2-031015		Lab ID: 60189658001		Collected: 03/10/15 16:05		Received: 03/13/15 08:35		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 3510C							
TPH-DRO	240	mg/L	22.7	50	03/16/15 00:00	03/17/15 21:09			
Surrogates									
p-Terphenyl (S)	0	%	28-127	50	03/16/15 00:00	03/17/15 21:09	92-94-4	S4	
n-Tetracosane (S)	0	%	22-121	50	03/16/15 00:00	03/17/15 21:09	646-31-1	S4	
Gasoline Range Organics		Analytical Method: EPA 5030B/8015B							
TPH-GRO	ND	mg/L	0.50	1			03/20/15 13:51		
Surrogates									
4-Bromofluorobenzene (S)	101	%	82-114	1			03/20/15 13:51	460-00-4	
Preservation pH	1.0		0.10	1			03/20/15 13:51		
8260 MSV		Analytical Method: EPA 5030B/8260							
Benzene	ND	ug/L	1.0	1			03/18/15 02:00	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1			03/18/15 02:00	100-41-4	
Toluene	ND	ug/L	1.0	1			03/18/15 02:00	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1			03/18/15 02:00	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	80-120	1			03/18/15 02:00	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	80-120	1			03/18/15 02:00	17060-07-0	
Toluene-d8 (S)	100	%	80-120	1			03/18/15 02:00	2037-26-5	
Preservation pH	1.0		0.10	1			03/18/15 02:00		

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ANALYTICAL RESULTS

Project: 075017 LINE NM1-1

Pace Project No.: 60189658

Sample: IW-3-031015		Lab ID: 60189658002		Collected: 03/10/15 17:00		Received: 03/13/15 08:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8015B Diesel Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 3510C							
TPH-DRO	0.69	mg/L	0.45	1	03/16/15 00:00	03/17/15 21:17			
Surrogates									
p-Terphenyl (S)	56	%	28-127	1	03/16/15 00:00	03/17/15 21:17	92-94-4		
n-Tetracosane (S)	36	%	22-121	1	03/16/15 00:00	03/17/15 21:17	646-31-1		
Gasoline Range Organics		Analytical Method: EPA 5030B/8015B							
TPH-GRO	ND	mg/L	0.50	1		03/20/15 14:08			
Surrogates									
4-Bromofluorobenzene (S)	102	%	82-114	1		03/20/15 14:08	460-00-4		
Preservation pH	1.0		0.10	1		03/20/15 14:08			
8260 MSV		Analytical Method: EPA 5030B/8260							
Benzene	ND	ug/L	1.0	1		03/18/15 02:16	71-43-2		
Ethylbenzene	ND	ug/L	1.0	1		03/18/15 02:16	100-41-4		
Toluene	ND	ug/L	1.0	1		03/18/15 02:16	108-88-3		
Xylene (Total)	ND	ug/L	3.0	1		03/18/15 02:16	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	102	%	80-120	1		03/18/15 02:16	460-00-4		
1,2-Dichloroethane-d4 (S)	101	%	80-120	1		03/18/15 02:16	17060-07-0		
Toluene-d8 (S)	99	%	80-120	1		03/18/15 02:16	2037-26-5		
Preservation pH	1.0		0.10	1		03/18/15 02:16			

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ANALYTICAL RESULTS

Project: 075017 LINE NM1-1

Pace Project No.: 60189658

Sample: MW-4-031015		Lab ID: 60189658003		Collected: 03/10/15 17:40		Received: 03/13/15 08:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8015B Diesel Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 3510C							
TPH-DRO	427	mg/L	35.7	50	03/16/15 00:00	03/17/15 21:25			
Surrogates									
p-Terphenyl (S)	0	%	28-127	50	03/16/15 00:00	03/17/15 21:25	92-94-4	S4	
n-Tetracosane (S)	0	%	22-121	50	03/16/15 00:00	03/17/15 21:25	646-31-1	S4	
Gasoline Range Organics		Analytical Method: EPA 5030B/8015B							
TPH-GRO	2.2	mg/L	0.50	1		03/20/15 14:24			
Surrogates									
4-Bromofluorobenzene (S)	99	%	82-114	1		03/20/15 14:24	460-00-4		
Preservation pH	1.0		0.10	1		03/20/15 14:24			
8260 MSV		Analytical Method: EPA 5030B/8260							
Benzene	19.1	ug/L	10.0	10		03/18/15 23:15	71-43-2		
Ethylbenzene	19.7	ug/L	10.0	10		03/18/15 23:15	100-41-4		
Toluene	ND	ug/L	10.0	10		03/18/15 23:15	108-88-3		
Xylene (Total)	ND	ug/L	30.0	10		03/18/15 23:15	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	101	%	80-120	10		03/18/15 23:15	460-00-4	1e	
1,2-Dichloroethane-d4 (S)	101	%	80-120	10		03/18/15 23:15	17060-07-0		
Toluene-d8 (S)	97	%	80-120	10		03/18/15 23:15	2037-26-5		
Preservation pH	7.0		0.10	10		03/18/15 23:15		pH	

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ANALYTICAL RESULTS

Project: 075017 LINE NM1-1

Pace Project No.: 60189658

Sample: DUP-1-031015		Lab ID: 60189658004		Collected: 03/10/15 08:00		Received: 03/13/15 08:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8015B Diesel Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 3510C							
TPH-DRO	5.8	mg/L	0.45	1	03/16/15 00:00	03/17/15 13:10			
Surrogates									
p-Terphenyl (S)	98	%	28-127	1	03/16/15 00:00	03/17/15 13:10	92-94-4		
n-Tetracosane (S)	97	%	22-121	1	03/16/15 00:00	03/17/15 13:10	646-31-1		
Gasoline Range Organics		Analytical Method: EPA 5030B/8015B							
TPH-GRO	ND	mg/L	0.50	1		03/20/15 14:41			
Surrogates									
4-Bromofluorobenzene (S)	106	%	82-114	1		03/20/15 14:41	460-00-4		
Preservation pH	1.0		0.10	1		03/20/15 14:41			
8260 MSV		Analytical Method: EPA 5030B/8260							
Benzene	ND	ug/L	1.0	1		03/18/15 02:49	71-43-2		
Ethylbenzene	ND	ug/L	1.0	1		03/18/15 02:49	100-41-4		
Toluene	ND	ug/L	1.0	1		03/18/15 02:49	108-88-3		
Xylene (Total)	ND	ug/L	3.0	1		03/18/15 02:49	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	96	%	80-120	1		03/18/15 02:49	460-00-4		
1,2-Dichloroethane-d4 (S)	100	%	80-120	1		03/18/15 02:49	17060-07-0		
Toluene-d8 (S)	101	%	80-120	1		03/18/15 02:49	2037-26-5		
Preservation pH	1.0		0.10	1		03/18/15 02:49			

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QUALITY CONTROL DATA

Project: 075017 LINE NM1-1

Pace Project No.: 60189658

QC Batch:	GCV/5030	Analysis Method:	EPA 5030B/8015B
QC Batch Method:	EPA 5030B/8015B	Analysis Description:	Gasoline Range Organics
Associated Lab Samples: 60189658001, 60189658002, 60189658003, 60189658004			

METHOD BLANK:	1536784	Matrix:	Water
Associated Lab Samples: 60189658001, 60189658002, 60189658003, 60189658004			

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/L	ND	0.50	03/20/15 11:52	
4-Bromofluorobenzene (S)	%	104	82-114	03/20/15 11:52	

LABORATORY CONTROL SAMPLE: 1536785

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/L	1	0.87	87	68-110	
4-Bromofluorobenzene (S)	%			103	82-114	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 075017 LINE NM1-1

Pace Project No.: 60189658

QC Batch:	MSV/68226	Analysis Method:	EPA 5030B/8260
QC Batch Method:	EPA 5030B/8260	Analysis Description:	8260 MSV Water 10 mL Purge
Associated Lab Samples:	60189658001, 60189658002, 60189658004		

METHOD BLANK: 1534601 Matrix: Water

Associated Lab Samples: 60189658001, 60189658002, 60189658004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	03/17/15 21:56	
Ethylbenzene	ug/L	ND	1.0	03/17/15 21:56	
Toluene	ug/L	ND	1.0	03/17/15 21:56	
Xylene (Total)	ug/L	ND	3.0	03/17/15 21:56	
1,2-Dichloroethane-d4 (S)	%	99	80-120	03/17/15 21:56	
4-Bromofluorobenzene (S)	%	99	80-120	03/17/15 21:56	
Toluene-d8 (S)	%	101	80-120	03/17/15 21:56	

LABORATORY CONTROL SAMPLE: 1534602

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	20.9	105	80-120	
Ethylbenzene	ug/L	20	21.4	107	80-120	
Toluene	ug/L	20	20.7	104	80-120	
Xylene (Total)	ug/L	60	64.4	107	80-120	
1,2-Dichloroethane-d4 (S)	%			99	80-120	
4-Bromofluorobenzene (S)	%			98	80-120	
Toluene-d8 (S)	%			100	80-120	

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QUALITY CONTROL DATA

Project: 075017 LINE NM1-1

Pace Project No.: 60189658

QC Batch: MSV/68254

Analysis Method: EPA 5030B/8260

QC Batch Method: EPA 5030B/8260

Analysis Description: 8260 MSV Water 10 mL Purge

Associated Lab Samples: 60189658003

METHOD BLANK: 1535231

Matrix: Water

Associated Lab Samples: 60189658003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	03/18/15 20:31	
Ethylbenzene	ug/L	ND	1.0	03/18/15 20:31	
Toluene	ug/L	ND	1.0	03/18/15 20:31	
Xylene (Total)	ug/L	ND	3.0	03/18/15 20:31	
1,2-Dichloroethane-d4 (S)	%	97	80-120	03/18/15 20:31	
4-Bromofluorobenzene (S)	%	101	80-120	03/18/15 20:31	
Toluene-d8 (S)	%	98	80-120	03/18/15 20:31	

LABORATORY CONTROL SAMPLE: 1535232

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	23.6	118	80-120	
Ethylbenzene	ug/L	20	20.8	104	80-120	
Toluene	ug/L	20	21.2	106	80-120	
Xylene (Total)	ug/L	60	64.3	107	80-120	
1,2-Dichloroethane-d4 (S)	%			100	80-120	
4-Bromofluorobenzene (S)	%			99	80-120	
Toluene-d8 (S)	%			98	80-120	

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**QUALITY CONTROL DATA**

Project: 075017 LINE NM1-1

Pace Project No.: 60189658

QC Batch: OEXT/48532 Analysis Method: EPA 8015B

QC Batch Method: EPA 3510C Analysis Description: EPA 8015B

Associated Lab Samples: 60189658001, 60189658002, 60189658003, 60189658004

METHOD BLANK: 1533874

Matrix: Water

Associated Lab Samples: 60189658001, 60189658002, 60189658003, 60189658004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/L	ND	0.50	03/17/15 12:32	
n-Tetracosane (S)	%	64	22-121	03/17/15 12:32	
p-Terphenyl (S)	%	64	28-127	03/17/15 12:32	

LABORATORY CONTROL SAMPLE: 1533875

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/L	12.5	9.4	76	44-129	
n-Tetracosane (S)	%			73	22-121	
p-Terphenyl (S)	%			75	28-127	

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QUALIFIERS

Project: 075017 LINE NM1-1

Pace Project No.: 60189658

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-K Pace Analytical Services - Kansas City

BATCH QUALIFIERS

Batch: OEXT/48532

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/68226

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/68254

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: GCV/5030

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1e Sample was diluted due to the presence of high levels of sediment in the vials.

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 075017 LINE NM1-1

Pace Project No.: 60189658

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60189658001	IW-2-031015	EPA 3510C	OEXT/48532	EPA 8015B	GCSV/18572
60189658002	IW-3-031015	EPA 3510C	OEXT/48532	EPA 8015B	GCSV/18572
60189658003	MW-4-031015	EPA 3510C	OEXT/48532	EPA 8015B	GCSV/18572
60189658004	DUP-1-031015	EPA 3510C	OEXT/48532	EPA 8015B	GCSV/18572
60189658001	IW-2-031015	EPA 5030B/8015B	GCV/5030		
60189658002	IW-3-031015	EPA 5030B/8015B	GCV/5030		
60189658003	MW-4-031015	EPA 5030B/8015B	GCV/5030		
60189658004	DUP-1-031015	EPA 5030B/8015B	GCV/5030		
60189658001	IW-2-031015	EPA 5030B/8260	MSV/68226		
60189658002	IW-3-031015	EPA 5030B/8260	MSV/68226		
60189658003	MW-4-031015	EPA 5030B/8260	MSV/68254		
60189658004	DUP-1-031015	EPA 5030B/8260	MSV/68226		

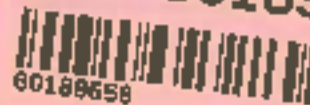
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Sample Condition Upon Receipt
ESI Tech Spec Client

WO#: 60189658



Client Name: Pfb CRA

Courier: Fed Ex ☒ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Para ☐ Other ☐

Tracking #: 6762 7007 4431

Pace Shipping Label Used? Yes ☐ No ☐

Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☒ None ☐ Other ☐

Thermometer Used: I-239 T-194

Type of Ice: Wed Blue ☐ None ☐ I Samples received on ice, cooling process has begun.
(circle one)

Cooler Temperature: 0.7

Temperature should be above freezing to 6°C

Date and initials of person examining contents: JD 3/3

Chain of Custody present:	☒ Yes ☐ No ☐ N/A	1
Chain of Custody filled out:	☒ Yes ☐ No ☐ N/A	2
Chain of Custody relinquished:	☒ Yes ☐ No ☐ N/A	3
Sampler name & signature on COC:	☒ Yes ☐ No ☐ N/A	4
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A	5
Short Hold Time analyses (<72hrs):	☐ Yes ☒ No ☐ N/A	6
Rush Turn Around Time requested:	☐ Yes ☒ No ☐ N/A	7
Sufficient volume:	☒ Yes ☐ No ☐ N/A	8
Correct containers used:	☒ Yes ☐ No ☐ N/A	9
Pace containers used:	☒ Yes ☐ No ☐ N/A	9
Containers intact:	☒ Yes ☐ No ☐ N/A	10
Unpreserved 5035A soils frozen w/in 48hrs?	☐ Yes ☐ No ☒ N/A	11
Filtered volume received for dissolved tests?	☐ Yes ☐ No ☒ N/A	12
Sample labels match COC:	☒ Yes ☐ No ☐ N/A	
Includes data/method/analyses Matrix:	<u>WTC</u>	13
All containers needing preservation have been checked:	☐ Yes ☐ No ☒ N/A	
All containers needing preservation are found to be in compliance with EPA recommendation:	☐ Yes ☐ No ☒ N/A	14
Exceptions: <u>VOA</u> , coliform, TOC, O&G, M-DEQ (water), Phenolics	☒ Yes ☐ No	Initial when completed
Top Blank present:	☒ Yes ☐ No ☐ N/A	Lot # of added preservative
Pace Top Blank lot # (if purchased): <u>3/2</u>		15
Headspace in VOA vials: >6mm	☒ Yes ☐ No ☐ N/A	16
Project sampled in USCA Regulated Area	☐ Yes ☐ No ☒ N/A	17 List State:

Client Notification/ Resolution:

Copy COC to Client? Yes ☐ No ☒

Field Data Required? Yes ☐ No ☒

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: AAF Date: 03/13/15

Temp Log: Record start and finish times when unpacking cooler if >20 min. Recheck sample temps.

Start	<u>10:10</u>	Start
End	<u>10:40</u>	End
Temp		Temp

[illegible]

April 30, 2015

Moshghan Mansoori
P66 CRA TX
2270 Springlake dr Ste 800
Dallas, TX 75234

RE: Project: 075017 Line NM AIR
Pace Project No.: 60192550

Dear Moshghan Mansoori:

Enclosed are the analytical results for sample(s) received by the laboratory on April 23, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Alice Flanagan
alice.flanagan@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 075017 Line NM AIR

Pace Project No.: 60192550

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Alabama Certification #40770

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

Colorado Certification #Pace

Connecticut Certification #: PH-0256

EPA Region 8 Certification #: 8TMS-L

Florida/NELAP Certification #: E87605

Guam Certification #:14-008r

Georgia Certification #: 959

Georgia EPD #: Pace

Idaho Certification #: MN00064

Hawaii Certification #MN00064

Illinois Certification #: 200011

Indiana Certification#C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky Dept of Envi. Protection - DW #90062

Kentucky Dept of Envi. Protection - WW #:90062

Louisiana DEQ Certification #: 3086

Louisiana DHH #: LA140001

Maine Certification #: 2013011

Maryland Certification #: 322

Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Carolina State Public Health #: 27700

North Dakota Certification #: R-036

Ohio EPA #: 4150

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Saipan (CNMI) #:MP0003

South Carolina #:74003001

Texas Certification #: T104704192

Tennessee Certification #: 02818

Utah Certification #: MN000642013-4

Virginia DGS Certification #: 251

Virginia/VELAP Certification #: Pace

Washington Certification #: C486

West Virginia Certification #: 382

West Virginia DHHR #:9952C

Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: 075017 Line NM AIR

Pace Project No.: 60192550

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60192550001	075017-042115-mt-INF1	Air	04/21/15 11:30	04/23/15 09:45
60192550002	075017-042215-mt-INF2	Air	04/22/15 11:00	04/23/15 09:45
60192550003	075017-042215-mt-INF3	Air	04/22/15 15:00	04/23/15 09:45
60192550004	075017-042115-mt-EFF	Air	04/21/15 11:30	04/23/15 09:45

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SAMPLE ANALYTE COUNT

Project: 075017 Line NM AIR

Pace Project No.: 60192550

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60192550001	075017-042115-mt-INF1	TO-3 Air	JRB	7	PASI-M
60192550002	075017-042215-mt-INF2	TO-3 Air	JRB	7	PASI-M
60192550003	075017-042215-mt-INF3	TO-3 Air	JRB	7	PASI-M
60192550004	075017-042115-mt-EFF	TO-3 Air	JRB	7	PASI-M

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SUMMARY OF DETECTION

Project: 075017 Line NM AIR

Pace Project No.: 60192550

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
60192550001	075017-042115-mt-INF1					
TO-3 Air	Benzene	209	ppmv	10.0	04/23/15 19:05	
TO-3 Air	Ethylbenzene	72.6	ppmv	10.0	04/23/15 19:05	
TO-3 Air	Methyl-tert-butyl ether	111	ppmv	10.0	04/23/15 19:05	
TO-3 Air	THC as Gas	12600	ppmv	100	04/23/15 19:05	E
TO-3 Air	Toluene	70.1	ppmv	10.0	04/23/15 19:05	
TO-3 Air	m&p-Xylene	49.0	ppmv	20.0	04/23/15 19:05	
TO-3 Air	o-Xylene	15.3	ppmv	10.0	04/23/15 19:05	
60192550002	075017-042215-mt-INF2					
TO-3 Air	Benzene	589	ppmv	10.0	04/23/15 19:30	
TO-3 Air	Ethylbenzene	121	ppmv	10.0	04/23/15 19:30	
TO-3 Air	Methyl-tert-butyl ether	170	ppmv	10.0	04/23/15 19:30	
TO-3 Air	THC as Gas	17400	ppmv	100	04/23/15 19:30	E
TO-3 Air	Toluene	317	ppmv	10.0	04/23/15 19:30	
TO-3 Air	m&p-Xylene	80.3	ppmv	20.0	04/23/15 19:30	
TO-3 Air	o-Xylene	30.0	ppmv	10.0	04/23/15 19:30	
60192550003	075017-042215-mt-INF3					
TO-3 Air	Benzene	788	ppmv	10.0	04/23/15 19:45	
TO-3 Air	Ethylbenzene	158	ppmv	10.0	04/23/15 19:45	
TO-3 Air	Methyl-tert-butyl ether	203	ppmv	10.0	04/23/15 19:45	
TO-3 Air	THC as Gas	21700	ppmv	100	04/23/15 19:45	E
TO-3 Air	Toluene	320	ppmv	10.0	04/23/15 19:45	
TO-3 Air	m&p-Xylene	126	ppmv	20.0	04/23/15 19:45	
60192550004	075017-042115-mt-EFF					
TO-3 Air	Benzene	0.16	ppmv	0.10	04/23/15 18:37	
TO-3 Air	Ethylbenzene	0.33	ppmv	0.10	04/23/15 18:37	
TO-3 Air	THC as Gas	19.8	ppmv	1.0	04/23/15 18:37	
TO-3 Air	Toluene	0.41	ppmv	0.10	04/23/15 18:37	
TO-3 Air	m&p-Xylene	0.31	ppmv	0.20	04/23/15 18:37	
TO-3 Air	o-Xylene	0.15	ppmv	0.10	04/23/15 18:37	

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PROJECT NARRATIVE

Project: 075017 Line NM AIR
Pace Project No.: 60192550

Method: TO-3 Air
Description: TO3 GCV AIR BTEX BAG
Client: P66 CRA TX
Date: April 30, 2015

General Information:

4 samples were analyzed for TO-3 Air. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: AIR/23089

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- 075017-042115-mt-INF1 (Lab ID: 60192550001)
 - THC as Gas
- 075017-042215-mt-INF2 (Lab ID: 60192550002)
 - THC as Gas
- 075017-042215-mt-INF3 (Lab ID: 60192550003)
 - THC as Gas

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: 075017 Line NM AIR

Pace Project No.: 60192550

Sample: 075017-042115-mt-INF1		Lab ID: 60192550001		Collected: 04/21/15 11:30		Received: 04/23/15 09:45		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO3 GCV AIR BTEX BAG		Analytical Method: TO-3 Air							
Benzene	209	ppmv	10.0	100		04/23/15 19:05	71-43-2		
Ethylbenzene	72.6	ppmv	10.0	100		04/23/15 19:05	100-41-4		
Methyl-tert-butyl ether	111	ppmv	10.0	100		04/23/15 19:05	1634-04-4		
THC as Gas	12600	ppmv	100	100		04/23/15 19:05			E
Toluene	70.1	ppmv	10.0	100		04/23/15 19:05	108-88-3		
m&p-Xylene	49.0	ppmv	20.0	100		04/23/15 19:05	179601-23-1		
o-Xylene	15.3	ppmv	10.0	100		04/23/15 19:05	95-47-6		

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ANALYTICAL RESULTS

Project: 075017 Line NM AIR

Pace Project No.: 60192550

Sample: 075017-042215-mt-INF2		Lab ID: 60192550002		Collected: 04/22/15 11:00		Received: 04/23/15 09:45		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO3 GCV AIR BTEX BAG		Analytical Method: TO-3 Air							
Benzene	589	ppmv	10.0	100		04/23/15 19:30	71-43-2		
Ethylbenzene	121	ppmv	10.0	100		04/23/15 19:30	100-41-4		
Methyl-tert-butyl ether	170	ppmv	10.0	100		04/23/15 19:30	1634-04-4		
THC as Gas	17400	ppmv	100	100		04/23/15 19:30			E
Toluene	317	ppmv	10.0	100		04/23/15 19:30	108-88-3		
m&p-Xylene	80.3	ppmv	20.0	100		04/23/15 19:30	179601-23-1		
o-Xylene	30.0	ppmv	10.0	100		04/23/15 19:30	95-47-6		

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ANALYTICAL RESULTS

Project: 075017 Line NM AIR

Pace Project No.: 60192550

Sample: 075017-042215-mt-INF3		Lab ID: 60192550003		Collected: 04/22/15 15:00		Received: 04/23/15 09:45		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO3 GCV AIR BTEX BAG		Analytical Method: TO-3 Air							
Benzene	788	ppmv	10.0	100		04/23/15 19:45	71-43-2		
Ethylbenzene	158	ppmv	10.0	100		04/23/15 19:45	100-41-4		
Methyl-tert-butyl ether	203	ppmv	10.0	100		04/23/15 19:45	1634-04-4		
THC as Gas	21700	ppmv	100	100		04/23/15 19:45			E
Toluene	320	ppmv	10.0	100		04/23/15 19:45	108-88-3		
m&p-Xylene	126	ppmv	20.0	100		04/23/15 19:45	179601-23-1		
o-Xylene	ND	ppmv	10.0	100		04/23/15 19:45	95-47-6		

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ANALYTICAL RESULTS

Project: 075017 Line NM AIR

Pace Project No.: 60192550

Sample: 075017-042115-mt-EFF		Lab ID: 60192550004		Collected: 04/21/15 11:30		Received: 04/23/15 09:45		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO3 GCV AIR BTEX BAG		Analytical Method: TO-3 Air							
Benzene	0.16	ppmv	0.10	1		04/23/15 18:37	71-43-2		
Ethylbenzene	0.33	ppmv	0.10	1		04/23/15 18:37	100-41-4		
Methyl-tert-butyl ether	ND	ppmv	0.10	1		04/23/15 18:37	1634-04-4		
THC as Gas	19.8	ppmv	1.0	1		04/23/15 18:37			
Toluene	0.41	ppmv	0.10	1		04/23/15 18:37	108-88-3		
m&p-Xylene	0.31	ppmv	0.20	1		04/23/15 18:37	179601-23-1		
o-Xylene	0.15	ppmv	0.10	1		04/23/15 18:37	95-47-6		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 075017 Line NM AIR

Pace Project No.: 60192550

QC Batch: AIR/23089 Analysis Method: TO-3 Air
QC Batch Method: TO-3 Air Analysis Description: TO3 GCV AIR BTEX BAG
Associated Lab Samples: 60192550001, 60192550002, 60192550003, 60192550004

METHOD BLANK: 1947149 Matrix: Air
Associated Lab Samples: 60192550001, 60192550002, 60192550003, 60192550004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ppmv	ND	0.10	04/23/15 15:34	
Ethylbenzene	ppmv	ND	0.10	04/23/15 15:34	
m&p-Xylene	ppmv	ND	0.20	04/23/15 15:34	
Methyl-tert-butyl ether	ppmv	ND	0.10	04/23/15 15:34	
o-Xylene	ppmv	ND	0.10	04/23/15 15:34	
THC as Gas	ppmv	ND	1.0	04/23/15 15:34	
Toluene	ppmv	ND	0.10	04/23/15 15:34	
a,a,a-Trifluorotoluene (S)	%	97	30-150	04/23/15 15:34	

LABORATORY CONTROL SAMPLE & LCSD: 1947150

LABORATORY CONTROL SAMPLE & LCSD: 1947150			1947151							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ppmv	1	0.96	0.93	96	93	70-130	3	30	
Ethylbenzene	ppmv	1	1.0	1.0	101	100	70-130	1	30	
m&p-Xylene	ppmv	2	2.1	2.0	103	99	70-130	4	30	
Methyl-tert-butyl ether	ppmv	1	0.85	0.89	85	89	70-130	4	30	
o-Xylene	ppmv	1	1.0	0.96	102	96	70-130	6	30	
THC as Gas	ppmv	10	11.2	11.3	112	113	70-130	1	30	
Toluene	ppmv	1	1.0	0.99	102	99	70-130	3	30	
a.a.a-Trifluorotoluene (S)	%				98	101	30-150			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 075017 Line NM AIR

Pace Project No.: 60192550

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

E Analyte concentration exceeded the calibration range. The reported result is estimated.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 075017 Line NM AIR

Pace Project No.: 60192550

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60192550001	075017-042115-mt-INF1	TO-3 Air	AIR/23089		
60192550002	075017-042215-mt-INF2	TO-3 Air	AIR/23089		
60192550003	075017-042215-mt-INF3	TO-3 Air	AIR/23089		
60192550004	075017-042115-mt-EFF	TO-3 Air	AIR/23089		

REPORT OF LABORATORY ANALYSIS

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CONESTOGA-ROVERS
& ASSOCIATES

CHAIN OF CUSTODY RECORD

Address: 1755 Washington Place #500 Dallas, TX 75234
Phone: 972-231-8500 Fax: 972-231-8501

COC NO.: 46547
PAGE 1 OF 1
See Reverse Side for Instructions

Project No./Phase/Task Code: 075017 - URM01		Lab Location: Pace Analytical		Lab Contact: Mike Terrill		Lab Location: Pace Analytical		Lab Contact: Mike Terrill	
Project Name: LINE NM1-1		Project Location: Hobbs, NM		Chemistry Contact: Art Greeley		Carrier: FEDEX		Airbill No: 8995 0733 8247	
Sample(s):		Date: 4/23/15		Time: 1130		Date Shipped: 4/23/15		Comments/SPECIAL INSTRUCTIONS:	
SAMPLE IDENTIFICATION		DATE		TIME		ANALYSIS REQUESTED		Carrier	
075017 - 042315-MT-INF1		4/23/15		1130		13450 Back		FEDEX	
075017 - 042315-MT-INF2		4/23/15		1100		13450 Back		8995 0733 8247	
075017 - 042315-MT-INF3		4/23/15		1500		13450 Back		Date Shipped: 4/23/15	
075017 - 042315-MT-EFF		4/23/15		1130		13450 Back		Comments/SPECIAL INSTRUCTIONS:	
Total Number of Containers: 4		Total Samples in Carrier must be on COC		Total Number of Containers: 4		Total Samples in Carrier must be on COC		Notes/Special Requirements: Report to: mmm@pacanalytical.com	
RECEIVED BY: Mike Terrill		DATE: 4/23/15		TIME: 1515		DATE: 4/23/15		TIME: 0945	
COMPANY: CRA		DATE: 4/23/15		TIME: 1515		DATE: 4/23/15		TIME: 0945	

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETED ACCURATELY



Document Name:
Air Sample Condition Upon Receipt
Document No:
F-MN-A-106-Rev.09

Doc Control Number: 250002001
Page 1 of 1
Issuing Authority:
Pace Analytical Quality Control

1. Sample Condition Upon Receipt

Client Name:

Project #:

CPA TX

Courier:

☒ Fed Ex ☐ UPS ☐ USPS ☐ Client

☒ Commercial ☐ Parcel ☐ Other

Tracking Number:

8945 0733 3247

Custody Seal on Cooler/Box Present?

☐ Yes ☒ No

Seals Intact?

☐ Yes ☒ No

Obs and Proj Date/Time Proj Name

Packing Material:

☒ Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None

☒ Other: peanuts

Temp Blank rec:

☐ Yes ☒ No

Temp. (T017 and T02) samples only (°C):

Corrected Temp (°C):

Thermom. Used:

☐ 0884312-67504

☐ 72217000

☐ 09943122521431

☐ 80512447

Temp should be above freezing to 6°C Correction Factor:

Date & Initials of Person Examining Contents:

04/23/15

Type of Ice Received ☐ Blue ☐ Wet ☒ None

Comments:

Chain of Custody Present?	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody - Illeg. Dir?	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished?	☒ Yes ☐ No ☐ N/A	3.
Sampler Name and/or Signature on COC?	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes ☐ No ☐ N/A	5.
Short Hold Time Analyse (<22 hr)?	☐ Yes ☒ No ☐ N/A	6. 1-3A1
Rush Turn Around Time Requested?	☐ Yes ☒ No ☐ N/A	7.
Sufficient Volume?	☒ Yes ☐ No ☐ N/A	8.
Correct Containers Used?	☒ Yes ☐ No ☐ N/A	9.
Pace Containers Used?	☒ Yes ☐ No ☐ N/A	
Containers Intact?	☒ Yes ☐ No ☐ N/A	10.
Video: <u>none being</u>		11.
Sample Labels Match COC?	☒ Yes ☐ No ☐ N/A	12.

Samples Received:

Containers		Flow Controllers		Skid Alone G	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted:

Date/Time:

Comments/Resolution:

Project Manager Review:

AAF

Date

04/23/15

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DPHMH Certification Office (i.e. out of hold, incorrect preservation, out of temp., incorrect containers).

July 13, 2015

Christopher Knight
GHD Services, Inc.
13091 Pond Springs Road
Suite A-100
Austin, TX 78729

RE: Project: 075017 Line NM1-1
Pace Project No.: 60198063

Dear Christopher Knight:

Enclosed are the analytical results for sample(s) received by the laboratory on July 09, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Alice Flanagan
alice.flanagan@pacelabs.com
Project Manager

Enclosures

cc: Moshghan Mansoori, GHD Services, Inc.
Trent Ripley, GHD Services, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 075017 Line NM1-1

Pace Project No.: 60198063

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Alabama Certification #40770

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

Colorado Certification #Pace

Connecticut Certification #: PH-0256

EPA Region 8 Certification #: 8TMS-L

Florida/NELAP Certification #: E87605

Guam Certification #:14-008r

Georgia Certification #: 959

Georgia EPD #: Pace

Idaho Certification #: MN00064

Hawaii Certification #MN00064

Illinois Certification #: 200011

Indiana Certification#C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky Dept of Envi. Protection - DW #90062

Kentucky Dept of Envi. Protection - WW #:90062

Louisiana DEQ Certification #: 3086

Louisiana DHH #: LA140001

Maine Certification #: 2013011

Maryland Certification #: 322

Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Carolina State Public Health #: 27700

North Dakota Certification #: R-036

Ohio EPA #: 4150

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Saipan (CNMI) #:MP0003

South Carolina #:74003001

Texas Certification #: T104704192

Tennessee Certification #: 02818

Utah Certification #: MN000642013-4

Virginia DGS Certification #: 251

Virginia/VELAP Certification #: Pace

Washington Certification #: C486

West Virginia Certification #: 382

West Virginia DHHR #:9952C

Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: 075017 Line NM1-1

Pace Project No.: 60198063

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60198063001	075017-070715-MT-INF1	Air	07/07/15 13:00	07/09/15 09:45
60198063002	075017-070715-MT-INF2	Air	07/07/15 20:00	07/09/15 09:45
60198063003	075017-070815-MT-INF3	Air	07/08/15 16:00	07/09/15 09:45
60198063004	075017-070715-MT-EFF	Air	07/07/15 13:00	07/09/15 09:45

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SAMPLE ANALYTE COUNT

Project: 075017 Line NM1-1

Pace Project No.: 60198063

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60198063001	075017-070715-MT-INF1	TO-3 Air	JRB	7	PASI-M
60198063002	075017-070715-MT-INF2	TO-3 Air	JRB	7	PASI-M
60198063003	075017-070815-MT-INF3	TO-3 Air	JRB	7	PASI-M
60198063004	075017-070715-MT-EFF	TO-3 Air	JRB	7	PASI-M

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ANALYTICAL RESULTS

Project: 075017 Line NM1-1

Pace Project No.: 60198063

Sample: 075017-070715-MT-INF1		Lab ID: 60198063001		Collected: 07/07/15 13:00		Received: 07/09/15 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO3 GCV AIR BTEX BAG		Analytical Method: TO-3 Air							
Benzene	1040	ppmv	21.9	219		07/10/15 14:56	71-43-2		
Ethylbenzene	360	ppmv	21.9	219		07/10/15 14:56	100-41-4		
Methyl-tert-butyl ether	403	ppmv	21.9	219		07/10/15 14:56	1634-04-4	A4	
THC as Gas	37700	ppmv	219	219		07/10/15 14:56		E	
Toluene	791	ppmv	21.9	219		07/10/15 14:56	108-88-3		
m&p-Xylene	247	ppmv	43.8	219		07/10/15 14:56	179601-23-1		
o-Xylene	87.8	ppmv	21.9	219		07/10/15 14:56	95-47-6		

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ANALYTICAL RESULTS

Project: 075017 Line NM1-1

Pace Project No.: 60198063

Sample: 075017-070715-MT-INF2		Lab ID: 60198063002		Collected: 07/07/15 20:00		Received: 07/09/15 09:45		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO3 GCV AIR BTEX BAG		Analytical Method: TO-3 Air							
Benzene	642	ppmv	25.2	252		07/10/15 16:22	71-43-2		
Ethylbenzene	119	ppmv	25.2	252		07/10/15 16:22	100-41-4		
Methyl-tert-butyl ether	326	ppmv	25.2	252		07/10/15 16:22	1634-04-4		A4
THC as Gas	22200	ppmv	252	252		07/10/15 16:22			
Toluene	348	ppmv	25.2	252		07/10/15 16:22	108-88-3		
m&p-Xylene	81.3	ppmv	50.4	252		07/10/15 16:22	179601-23-1		
o-Xylene	29.3	ppmv	25.2	252		07/10/15 16:22	95-47-6		

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ANALYTICAL RESULTS

Project: 075017 Line NM1-1

Pace Project No.: 60198063

Sample: 075017-070815-MT-INF3		Lab ID: 60198063003		Collected: 07/08/15 16:00		Received: 07/09/15 09:45		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO3 GCV AIR BTEX BAG		Analytical Method: TO-3 Air							
Benzene	700	ppmv	21.9	219		07/10/15 16:37	71-43-2		
Ethylbenzene	117	ppmv	21.9	219		07/10/15 16:37	100-41-4		
Methyl-tert-butyl ether	354	ppmv	21.9	219		07/10/15 16:37	1634-04-4		A4
THC as Gas	22700	ppmv	219	219		07/10/15 16:37			E
Toluene	380	ppmv	21.9	219		07/10/15 16:37	108-88-3		
m&p-Xylene	94.4	ppmv	43.8	219		07/10/15 16:37	179601-23-1		
o-Xylene	33.4	ppmv	21.9	219		07/10/15 16:37	95-47-6		

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ANALYTICAL RESULTS

Project: 075017 Line NM1-1

Pace Project No.: 60198063

Sample: 075017-070715-MT-EFF		Lab ID: 60198063004		Collected: 07/07/15 13:00		Received: 07/09/15 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO3 GCV AIR BTEX BAG		Analytical Method: TO-3 Air							
Benzene	ND	ppmv	0.39	3.89		07/10/15 13:23	71-43-2		
Ethylbenzene	0.39	ppmv	0.39	3.89		07/10/15 13:23	100-41-4		
Methyl-tert-butyl ether	1.1	ppmv	0.39	3.89		07/10/15 13:23	1634-04-4	A4	
THC as Gas	19.5	ppmv	3.9	3.89		07/10/15 13:23			
Toluene	ND	ppmv	0.39	3.89		07/10/15 13:23	108-88-3		
m&p-Xylene	ND	ppmv	0.78	3.89		07/10/15 13:23	179601-23-1		
o-Xylene	ND	ppmv	0.39	3.89		07/10/15 13:23	95-47-6		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 075017 Line NM1-1

Pace Project No.: 60198063

QC Batch:	AIR/23690	Analysis Method:	TO-3 Air
QC Batch Method:	TO-3 Air	Analysis Description:	TO3 GCV AIR BTEX BAG
Associated Lab Samples:	60198063001, 60198063002, 60198063003, 60198063004		

METHOD BLANK:	2019086	Matrix:	Air
Associated Lab Samples:	60198063001, 60198063002, 60198063003, 60198063004		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ppmv	ND	0.10	07/10/15 11:52	
Ethylbenzene	ppmv	ND	0.10	07/10/15 11:52	
m&p-Xylene	ppmv	ND	0.20	07/10/15 11:52	
Methyl-tert-butyl ether	ppmv	ND	0.10	07/10/15 11:52	
o-Xylene	ppmv	ND	0.10	07/10/15 11:52	
THC as Gas	ppmv	ND	1.0	07/10/15 11:52	
Toluene	ppmv	ND	0.10	07/10/15 11:52	
a,a,a-Trifluorotoluene (S)	%.	84	30-150	07/10/15 11:52	

LABORATORY CONTROL SAMPLE & LCSD: 2019087

LABORATORY CONTROL SAMPLE & LCSD: 2019087			2019088							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ppmv	1	0.83	0.81	83	81	70-130	2	30	
Ethylbenzene	ppmv	1	0.84	0.84	84	84	70-130	0	30	
m&p-Xylene	ppmv	2	1.7	1.6	83	82	70-130	0	30	
Methyl-tert-butyl ether	ppmv	1	0.81	0.80	81	80	70-130	1	30	
o-Xylene	ppmv	1	0.83	0.82	83	82	70-130	0	30	
THC as Gas	ppmv	10	10	10.1	100	101	70-130	1	30	
Toluene	ppmv	1	0.84	0.84	84	84	70-130	1	30	
a.a.a-Trifluorotoluene (S)	%.				78	75	30-150			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 075017 Line NM1-1
Pace Project No.: 60198063

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

A4 Sample was transferred from a sampling bag into a Summa Canister within 48 hours of collection.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 075017 Line NM1-1

Pace Project No.: 60198063

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60198063001	075017-070715-MT-INF1	TO-3 Air	AIR/23690		
60198063002	075017-070715-MT-INF2	TO-3 Air	AIR/23690		
60198063003	075017-070815-MT-INF3	TO-3 Air	AIR/23690		
60198063004	075017-070715-MT-EFF	TO-3 Air	AIR/23690		

REPORT OF LABORATORY ANALYSIS

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CONESTOGA-ROVERS
& ASSOCIATES

CHAIN OF CUSTODY RECORD

Address: 1255 Washington Place, Suite 200, Dallas, TX 75234
Phone: 972-321-8500 Fax: 972-321-8501

COC NO.: 46530
PAGE 1 OF 1
See Reverse Side for Instructions

Project No/Phase/Task Code: 075017 - 148RM01		Laboratory Name: Base Analytical		Lab Location: Minneapolis, MN		SSOW ID: Carrier:	
Project Name: LINE NM 1-1		Lab Contact: Hobbs, AM		Lab Contact: 4521224031		Cooler No.:	
Project Location: Hobbs, AM		Chemistry Contact: Art Greeley		Carrier: FEDER		Airbill No.:	
Sample(s): Mike Terrell		Carrier: 8995 0733 8269		Date Shipped: 7/8/15		Comments/ SPECIAL INSTRUCTIONS:	
SAMPLE IDENTIFICATION (Cross out the last sample not submitted in the run)		DATE (mm/dd/yyyy)		TIME (mm:ss)		ANALYSIS REQUESTED (See Back of COC for Definitions)	
1 075017-070715-MT-INE1		7/7/15		1300		✓	
2 075017-070715-MT-INE2		7/7/15		2000		✓	
3 075017-070815-MT-INE3		7/8/15		1400		✓	
4 075017-070715-MT-EEF		7/7/15		1300		✓	
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TAT Required in business days (use separate COCs for different TATs): ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Weeks ☒ Other: STANDARD		Total Number of Containers: 4		Notes/Special Requirements: Report to: mathew.marsocci@ghd.com Copy to: treath.riley@ghd.com	
RECEIVED BY: Mike Terrell		DATE: 7/8/15		TIME: 1630	
COMPANY: GHG		RECEIVED BY: Pace		DATE: 7/17	
				TIME: 0645	

August 13, 2015

Moshghan Mansoori
GHD Services, Inc.
1755 Wittington Place
Suite 500
Dallas, TX 75234

RE: Project: 075017 Line NM 1-1
Pace Project No.: 60199769

Dear Moshghan Mansoori:

Enclosed are the analytical results for sample(s) received by the laboratory on August 04, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Alice Flanagan
alice.flanagan@pacelabs.com
Project Manager

Enclosures

cc: Christopher Knight, GHD Services, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 075017 Line NM 1-1

Pace Project No.: 60199769

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

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SAMPLE SUMMARY

Project: 075017 Line NM 1-1

Pace Project No.: 60199769

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60199769001	IW-2-073115	Water	07/31/15 11:15	08/04/15 08:50
60199769002	IW-3-073115	Water	07/31/15 11:45	08/04/15 08:50
60199769003	DUP-1-073115	Water	07/31/15 00:00	08/04/15 08:50
60199769004	TRIP BLANK	Water	07/31/15 00:00	08/04/15 08:50

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 075017 Line NM 1-1

Pace Project No.: 60199769

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60199769001	IW-2-073115	EPA 8015B	ACW	3	PASI-K
		EPA 5030B/8015B	JTK	3	PASI-K
		EPA 5030B/8260	PGH	8	PASI-K
		EPA 300.0	AJM	1	PASI-K
60199769002	IW-3-073115	EPA 8015B	ACW	3	PASI-K
		EPA 5030B/8015B	JTK	3	PASI-K
		EPA 5030B/8260	PGH	8	PASI-K
		EPA 300.0	AJM	1	PASI-K
60199769003	DUP-1-073115	EPA 8015B	ACW	3	PASI-K
		EPA 5030B/8015B	JTK	3	PASI-K
		EPA 5030B/8260	PGH	8	PASI-K
		EPA 300.0	AJM	1	PASI-K
60199769004	TRIP BLANK	EPA 5030B/8260	PGH	8	PASI-K

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 075017 Line NM 1-1

Pace Project No.: 60199769

Sample: IW-2-073115		Lab ID: 60199769001		Collected: 07/31/15 11:15		Received: 08/04/15 08:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8015B Diesel Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 3510C							
TPH-DRO	2.9	mg/L	0.45	1	08/05/15 00:00	08/11/15 16:36		1e	
Surrogates									
p-Terphenyl (S)	79	%	28-127	1	08/05/15 00:00	08/11/15 16:36	92-94-4		
n-Tetracosane (S)	76	%	22-121	1	08/05/15 00:00	08/11/15 16:36	646-31-1		
Gasoline Range Organics		Analytical Method: EPA 5030B/8015B							
TPH-GRO	ND	mg/L	0.50	1		08/11/15 20:47			
Surrogates									
4-Bromofluorobenzene (S)	96	%	82-114	1		08/11/15 20:47	460-00-4		
Preservation pH	1.0		0.10	1		08/11/15 20:47			
8260 MSV		Analytical Method: EPA 5030B/8260							
Benzene	ND	ug/L	1.0	1		08/05/15 15:55	71-43-2		
Ethylbenzene	ND	ug/L	1.0	1		08/05/15 15:55	100-41-4		
Toluene	ND	ug/L	1.0	1		08/05/15 15:55	108-88-3		
Xylene (Total)	ND	ug/L	3.0	1		08/05/15 15:55	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	100	%	80-120	1		08/05/15 15:55	460-00-4		
1,2-Dichloroethane-d4 (S)	108	%	80-120	1		08/05/15 15:55	17060-07-0		
Toluene-d8 (S)	102	%	80-120	1		08/05/15 15:55	2037-26-5		
Preservation pH	1.0		0.10	1		08/05/15 15:55			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	69.7	mg/L	10.0	10		08/07/15 14:32	16887-00-6		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 075017 Line NM 1-1

Pace Project No.: 60199769

Sample: IW-3-073115		Lab ID: 60199769002		Collected: 07/31/15 11:45		Received: 08/04/15 08:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8015B Diesel Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 3510C							
TPH-DRO	ND	mg/L	0.45	1	08/05/15 00:00	08/11/15 16:44		1e	
Surrogates									
p-Terphenyl (S)	67	%	28-127	1	08/05/15 00:00	08/11/15 16:44	92-94-4		
n-Tetracosane (S)	62	%	22-121	1	08/05/15 00:00	08/11/15 16:44	646-31-1		
Gasoline Range Organics		Analytical Method: EPA 5030B/8015B							
TPH-GRO	ND	mg/L	0.50	1		08/11/15 21:37			
Surrogates									
4-Bromofluorobenzene (S)	101	%	82-114	1		08/11/15 21:37	460-00-4		
Preservation pH	1.0		0.10	1		08/11/15 21:37			
8260 MSV		Analytical Method: EPA 5030B/8260							
Benzene	ND	ug/L	1.0	1		08/05/15 16:25	71-43-2		
Ethylbenzene	ND	ug/L	1.0	1		08/05/15 16:25	100-41-4		
Toluene	ND	ug/L	1.0	1		08/05/15 16:25	108-88-3		
Xylene (Total)	ND	ug/L	3.0	1		08/05/15 16:25	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	100	%	80-120	1		08/05/15 16:25	460-00-4		
1,2-Dichloroethane-d4 (S)	108	%	80-120	1		08/05/15 16:25	17060-07-0		
Toluene-d8 (S)	99	%	80-120	1		08/05/15 16:25	2037-26-5		
Preservation pH	1.0		0.10	1		08/05/15 16:25			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	62.8	mg/L	10.0	10		08/07/15 14:45	16887-00-6		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 075017 Line NM 1-1

Pace Project No.: 60199769

Sample: DUP-1-073115		Lab ID: 60199769003		Collected: 07/31/15 00:00		Received: 08/04/15 08:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8015B Diesel Range Organics		Analytical Method: EPA 8015B Preparation Method: EPA 3510C							
TPH-DRO	4.6	mg/L	0.45	1	08/05/15 00:00	08/11/15 16:52		1e	
Surrogates									
p-Terphenyl (S)	99	%	28-127	1	08/05/15 00:00	08/11/15 16:52	92-94-4		
n-Tetracosane (S)	98	%	22-121	1	08/05/15 00:00	08/11/15 16:52	646-31-1		
Gasoline Range Organics		Analytical Method: EPA 5030B/8015B							
TPH-GRO	ND	mg/L	0.50	1		08/11/15 21:54			
Surrogates									
4-Bromofluorobenzene (S)	96	%	82-114	1		08/11/15 21:54	460-00-4		
Preservation pH	1.0		0.10	1		08/11/15 21:54			
8260 MSV		Analytical Method: EPA 5030B/8260							
Benzene	ND	ug/L	1.0	1		08/05/15 16:10	71-43-2		
Ethylbenzene	ND	ug/L	1.0	1		08/05/15 16:10	100-41-4		
Toluene	ND	ug/L	1.0	1		08/05/15 16:10	108-88-3		
Xylene (Total)	ND	ug/L	3.0	1		08/05/15 16:10	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	104	%	80-120	1		08/05/15 16:10	460-00-4		
1,2-Dichloroethane-d4 (S)	104	%	80-120	1		08/05/15 16:10	17060-07-0		
Toluene-d8 (S)	97	%	80-120	1		08/05/15 16:10	2037-26-5		
Preservation pH	1.0		0.10	1		08/05/15 16:10			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	69.4	mg/L	10.0	10		08/07/15 14:59	16887-00-6		

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ANALYTICAL RESULTS

Project: 075017 Line NM 1-1

Pace Project No.: 60199769

Sample: TRIP BLANK		Lab ID: 60199769004		Collected: 07/31/15 00:00		Received: 08/04/15 08:50		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260							
Benzene	ND	ug/L	1.0	1		08/05/15 16:40	71-43-2		
Ethylbenzene	ND	ug/L	1.0	1		08/05/15 16:40	100-41-4		
Toluene	ND	ug/L	1.0	1		08/05/15 16:40	108-88-3		
Xylene (Total)	ND	ug/L	3.0	1		08/05/15 16:40	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	102	%	80-120	1		08/05/15 16:40	460-00-4		
1,2-Dichloroethane-d4 (S)	108	%	80-120	1		08/05/15 16:40	17060-07-0		
Toluene-d8 (S)	99	%	80-120	1		08/05/15 16:40	2037-26-5		
Preservation pH	1.0		0.10	1		08/05/15 16:40			

REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA**

Project: 075017 Line NM 1-1

Pace Project No.: 60199769

QC Batch:	GCV/5156	Analysis Method:	EPA 5030B/8015B
QC Batch Method:	EPA 5030B/8015B	Analysis Description:	Gasoline Range Organics
Associated Lab Samples: 60199769001, 60199769002, 60199769003			

METHOD BLANK: 1615122 Matrix: Water

Associated Lab Samples: 60199769001, 60199769002, 60199769003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/L	ND	0.50	08/11/15 14:41	
4-Bromofluorobenzene (S)	%	99	82-114	08/11/15 14:41	

LABORATORY CONTROL SAMPLE: 1615123

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/L	1	1.0	102	68-110	
4-Bromofluorobenzene (S)	%			102	82-114	

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QUALITY CONTROL DATA

Project: 075017 Line NM 1-1

Pace Project No.: 60199769

QC Batch: MSV/71012 Analysis Method: EPA 5030B/8260
QC Batch Method: EPA 5030B/8260 Analysis Description: 8260 MSV Water 10 mL Purge
Associated Lab Samples: 60199769001, 60199769002, 60199769003, 60199769004

METHOD BLANK: 1611885 Matrix: Water
Associated Lab Samples: 60199769001, 60199769002, 60199769003, 60199769004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	08/05/15 13:26	
Ethylbenzene	ug/L	ND	1.0	08/05/15 13:26	
Toluene	ug/L	ND	1.0	08/05/15 13:26	
Xylene (Total)	ug/L	ND	3.0	08/05/15 13:26	
1,2-Dichloroethane-d4 (S)	%	108	80-120	08/05/15 13:26	
4-Bromofluorobenzene (S)	%	100	80-120	08/05/15 13:26	
Toluene-d8 (S)	%	102	80-120	08/05/15 13:26	

LABORATORY CONTROL SAMPLE: 1611886

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	21.4	107	80-120	
Ethylbenzene	ug/L	20	20.5	102	80-120	
Toluene	ug/L	20	21.2	106	80-120	
Xylene (Total)	ug/L	60	64.5	107	80-120	
1,2-Dichloroethane-d4 (S)	%			103	80-120	
4-Bromofluorobenzene (S)	%			100	80-120	
Toluene-d8 (S)	%			104	80-120	

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**QUALITY CONTROL DATA**

Project: 075017 Line NM 1-1

Pace Project No.: 60199769

QC Batch: OEXT/50542 Analysis Method: EPA 8015B

QC Batch Method: EPA 3510C Analysis Description: EPA 8015B

Associated Lab Samples: 60199769001, 60199769002, 60199769003

METHOD BLANK: 1611791

Matrix: Water

Associated Lab Samples: 60199769001, 60199769002, 60199769003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/L	ND	0.50	08/11/15 16:13	
n-Tetracosane (S)	%	59	22-121	08/11/15 16:13	
p-Terphenyl (S)	%	59	28-127	08/11/15 16:13	

LABORATORY CONTROL SAMPLE: 1611792

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/L	12.5	11.3	90	44-129	
n-Tetracosane (S)	%			90	22-121	
p-Terphenyl (S)	%			90	28-127	

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QUALITY CONTROL DATA

Project: 075017 Line NM 1-1

Pace Project No.: 60199769

QC Batch: WETA/35359 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 60199769001, 60199769002, 60199769003

METHOD BLANK: 1613229 Matrix: Water
Associated Lab Samples: 60199769001, 60199769002, 60199769003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	08/07/15 09:44	

LABORATORY CONTROL SAMPLE: 1613230

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	4.8	97	90-110	

MATRIX SPIKE SAMPLE: 1613231

Parameter	Units	60199935001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	82.7	50	129	93	80-120	

MATRIX SPIKE SAMPLE: 1613232

Parameter	Units	60200008002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2140	1000	3100	95	80-120	

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QUALIFIERS

Project: 075017 Line NM 1-1

Pace Project No.: 60199769

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-K Pace Analytical Services - Kansas City

BATCH QUALIFIERS

Batch: OEXT/50542

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/71012

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: GCV/5156

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1e A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 075017 Line NM 1-1

Pace Project No.: 60199769

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60199769001	IW-2-073115	EPA 3510C	OEXT/50542	EPA 8015B	GCSV/19441
60199769002	IW-3-073115	EPA 3510C	OEXT/50542	EPA 8015B	GCSV/19441
60199769003	DUP-1-073115	EPA 3510C	OEXT/50542	EPA 8015B	GCSV/19441
60199769001	IW-2-073115	EPA 5030B/8015B	GCV/5156		
60199769002	IW-3-073115	EPA 5030B/8015B	GCV/5156		
60199769003	DUP-1-073115	EPA 5030B/8015B	GCV/5156		
60199769001	IW-2-073115	EPA 5030B/8260	MSV/71012		
60199769002	IW-3-073115	EPA 5030B/8260	MSV/71012		
60199769003	DUP-1-073115	EPA 5030B/8260	MSV/71012		
60199769004	TRIP BLANK	EPA 5030B/8260	MSV/71012		
60199769001	IW-2-073115	EPA 300.0	WETA/35359		
60199769002	IW-3-073115	EPA 300.0	WETA/35359		
60199769003	DUP-1-073115	EPA 300.0	WETA/35359		

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WO#: 60199769



60199769



Sample Condition Upon Receipt
ESI Tech Spec Client

Client Name:

166 - GHD

Courier: FedEx ☒ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Other ☐ Grant ☐

Tracking #: 6346 0252 5856 Pace Shipping Label Used? Yes ☐ No ☒

Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☒ None ☐ Other ☐

Thermometer Used: T-239 / T-262 Type of Ice: Wet Blue ☐ None ☐ Samples received in the cooling process has begun.

Cooler Temperature:

3.9

Date and initials of person examining contents: BS 8/4/15

Temperature should be above freezing to 6°C.

Chain of Custody present	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody filled out	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody relinquished	☒ Yes ☐ No ☐ N/A	3.
Sampler name & signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A	5.
Short Hold Time analyses (<72hrs):	☐ Yes ☒ No ☐ N/A	6.
Rush Turn Around Time requested:	☐ Yes ☒ No ☐ N/A	7.
Sufficient volume:	☒ Yes ☐ No ☐ N/A	8.
Correct containers used:	☒ Yes ☐ No ☐ N/A	9.
Pace containers used:	☒ Yes ☐ No ☐ N/A	10.
Containers intact:	☒ Yes ☐ No ☐ N/A	11.
Unpreserved 5035A soils frozen w/in 48hrs?	☐ Yes ☐ No ☒ N/A	12.
Filtered volume received for dissolved tests?	☐ Yes ☐ No ☒ N/A	13.
Sample labels match COC:	☒ Yes ☐ No ☐ N/A	14.
Includes date/time/ID/analyses	<u>Y</u> Matrix: <u>Wet</u>	15.
All containers needing preservation have been checked	☐ Yes ☐ No ☐ N/A	16.
All containers needing preservation are found to be in compliance with EPA recommendation	☐ Yes ☐ No ☒ N/A	17.
Exceptions: <u>VOA</u> , Coliform, O&G, WI-DRO (water)	☐ Yes ☐ No	18.
Trip Blank present:	☒ Yes ☐ No ☐ N/A	19.
Pace Trip Blank lot # (if purchased):		20.
Headspace in VOA vials > 6mm:	☐ Yes ☒ No ☐ N/A	21.
Project sampled in USDA Regulated Area:	☐ Yes ☐ No ☒ N/A	22.
Additional labels attached to 5035A vials in the field?	☐ Yes ☐ No ☒ N/A	23.

Client Notification Resolution:

Copy COC to Client? Y ☐ N ☐

Field Data Required? Y ☐ N ☐

Person Contacted:

Date/Time:

Comments/ Resolution:

Temp Log: Record start and finish times when unpacking cooler if >21 min, recheck sample temps

Start: Start.

End: End.

Temp: Temp.

Project Manager Review:

AAF

Date: 08/04/15

The Chain of Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

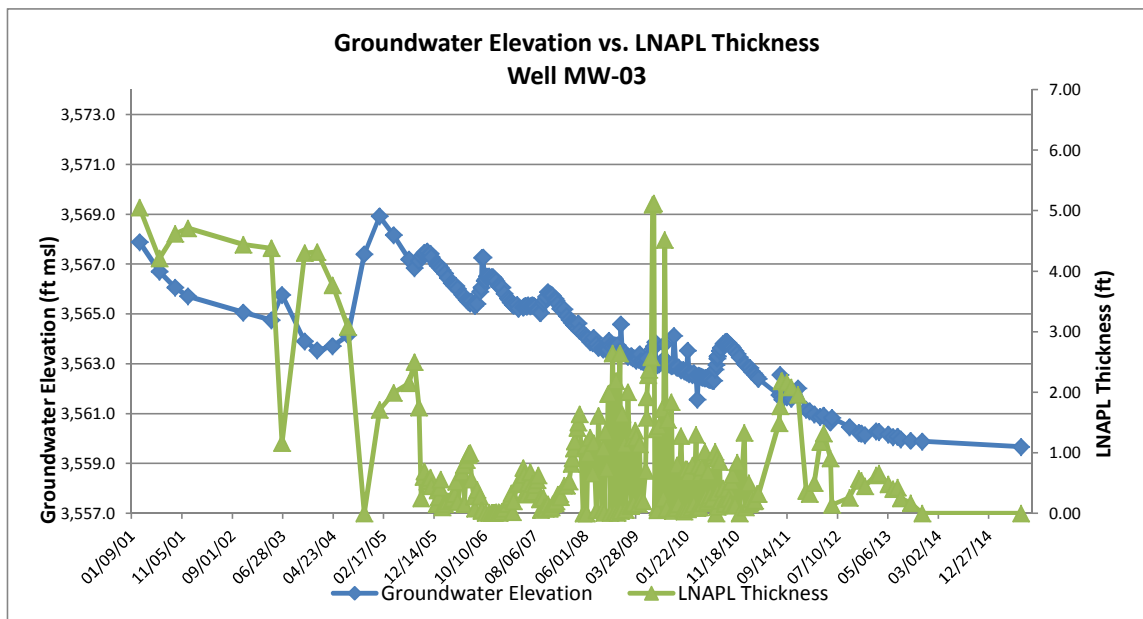
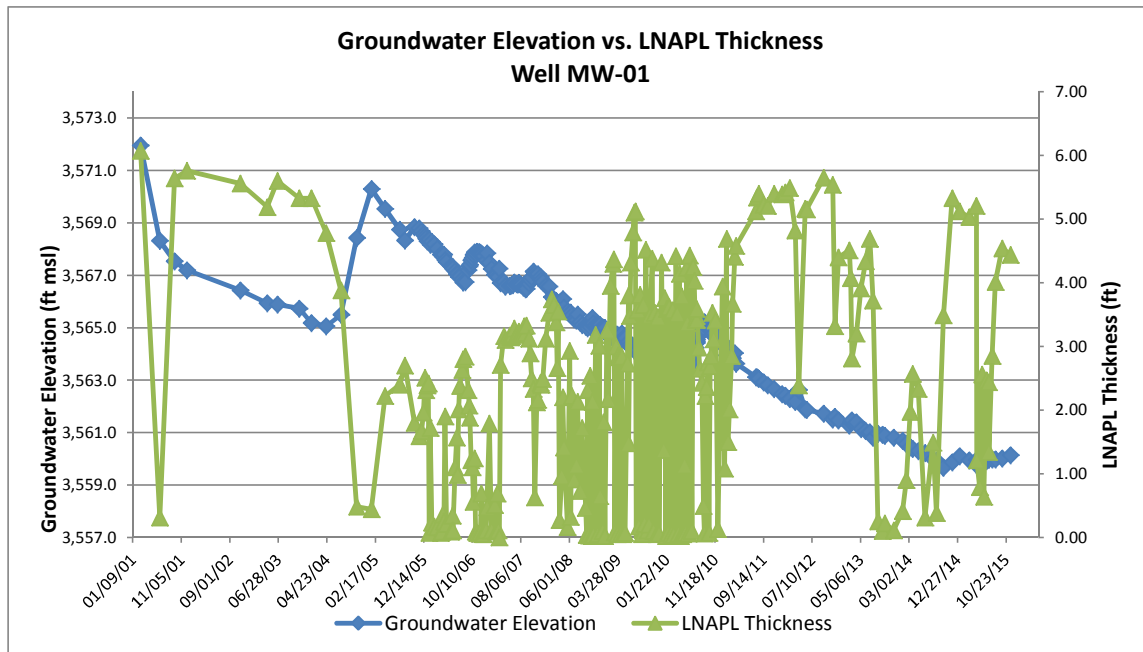
ADDITIONAL COMMENTS	RELINQUISH-REDIRECT AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Donny Galt	7-31-95		Ken Smith / ACE	8/4/95	1300	3.9 4 1 1 4

Page 16 of 16

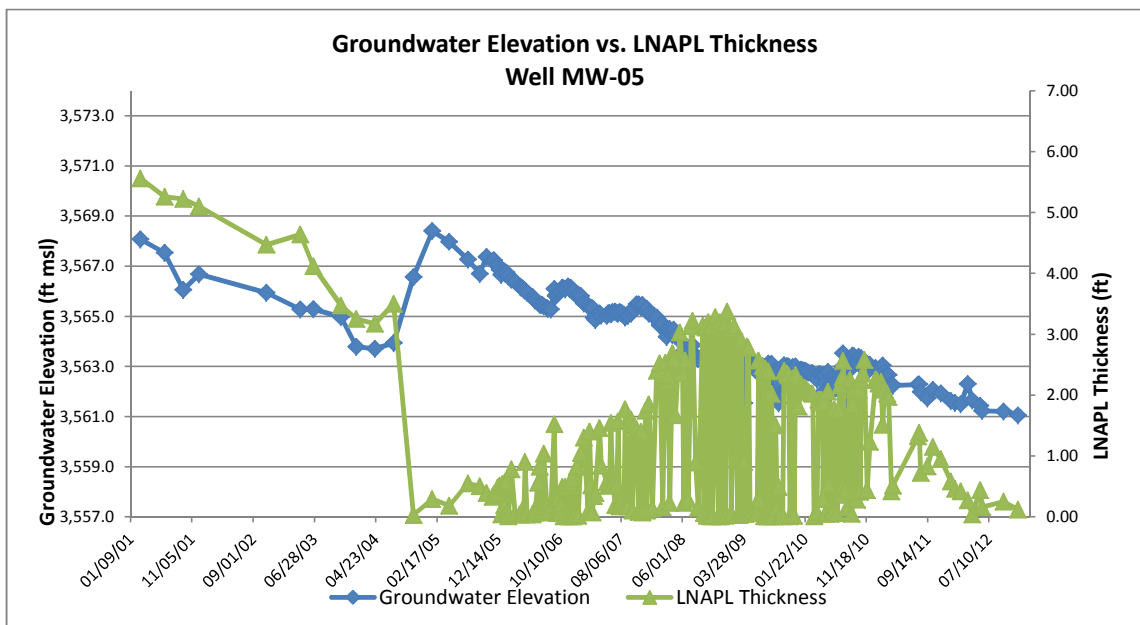
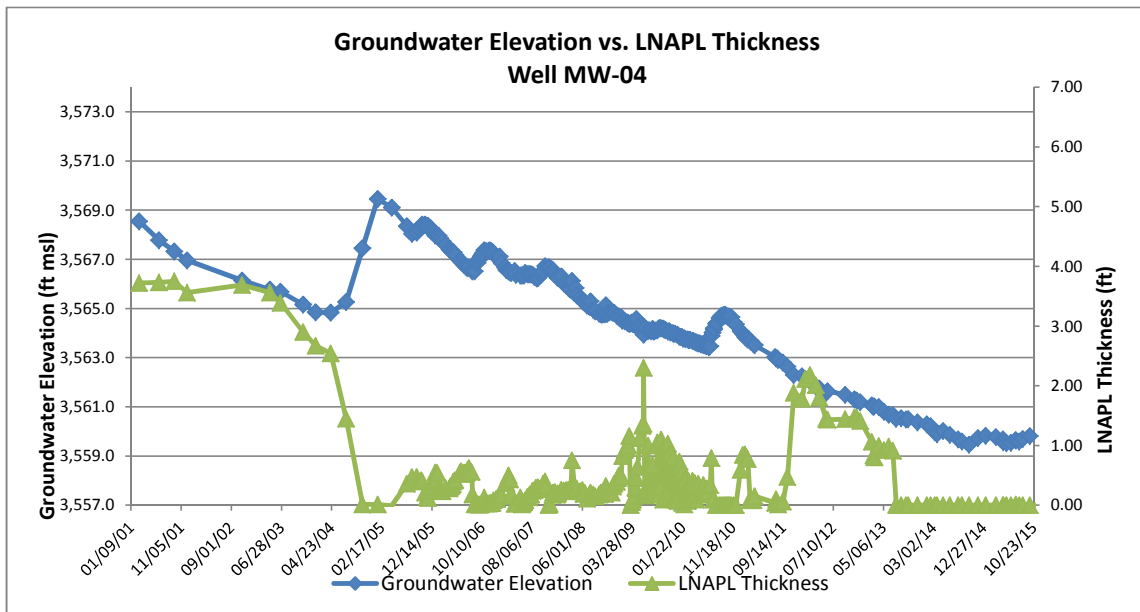
Appendix B

Hydrographs

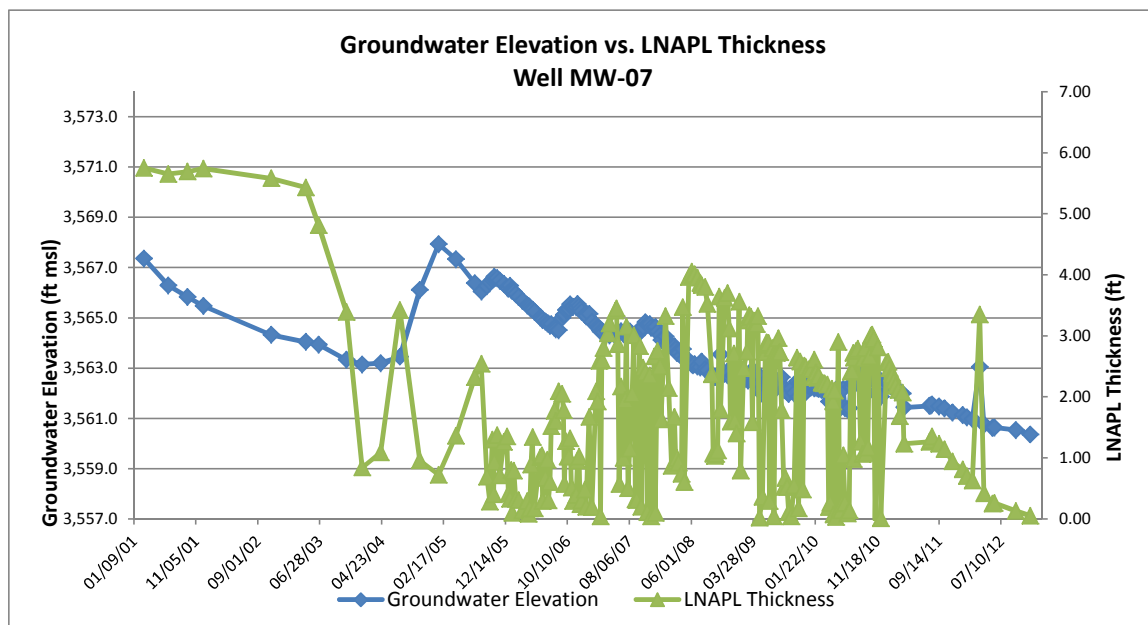
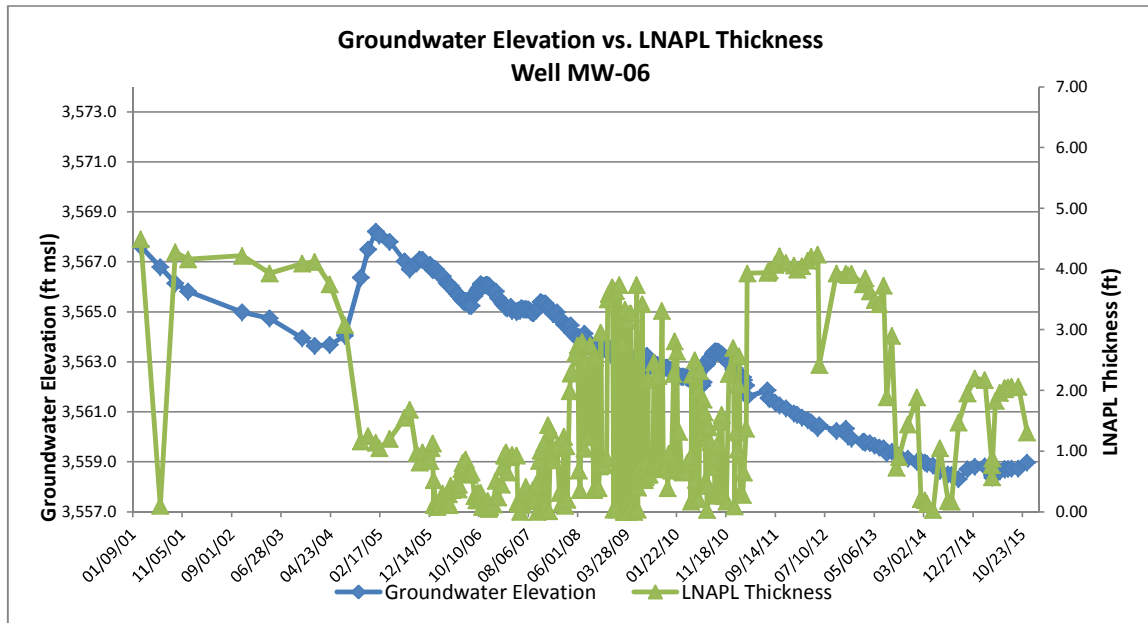
Hydrographs
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico



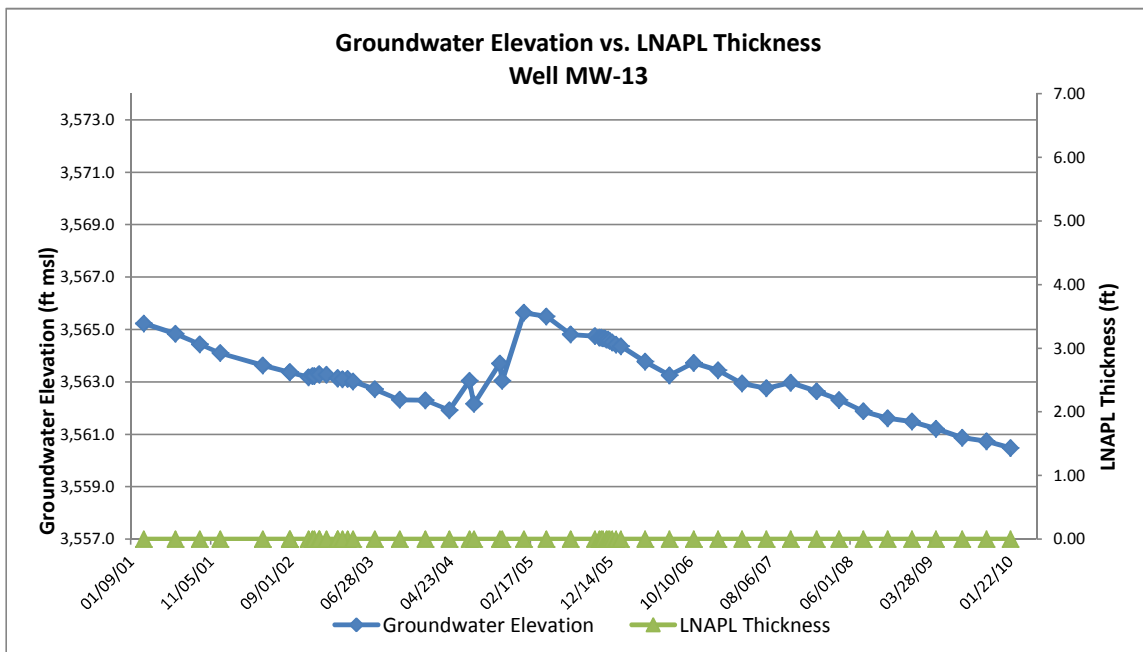
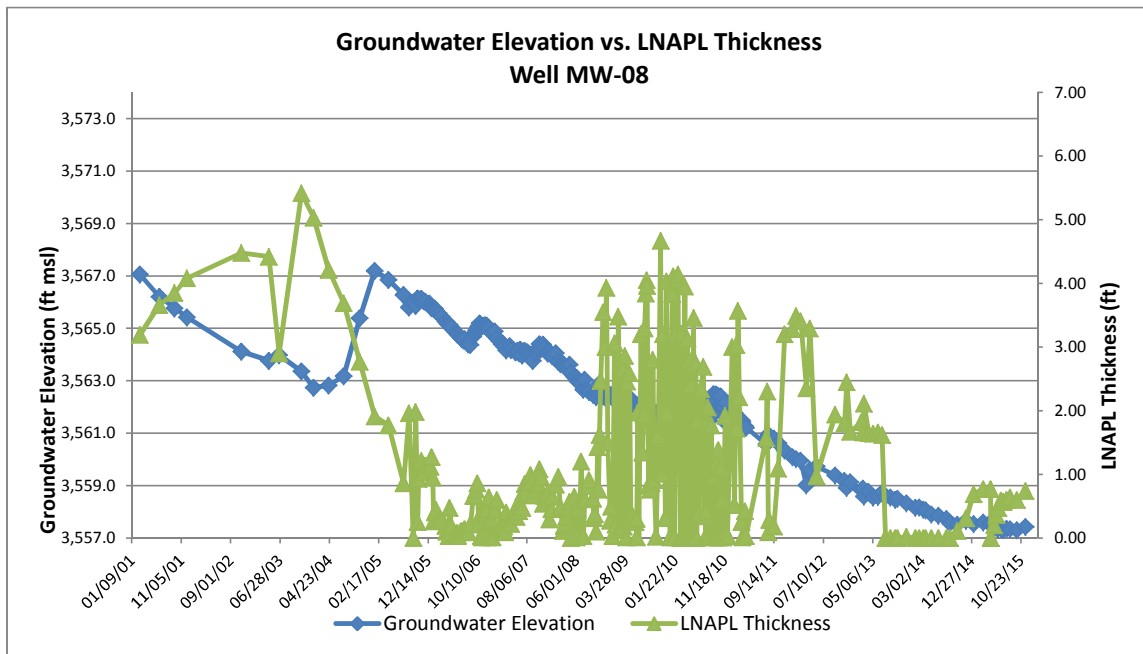
Hydrographs
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico



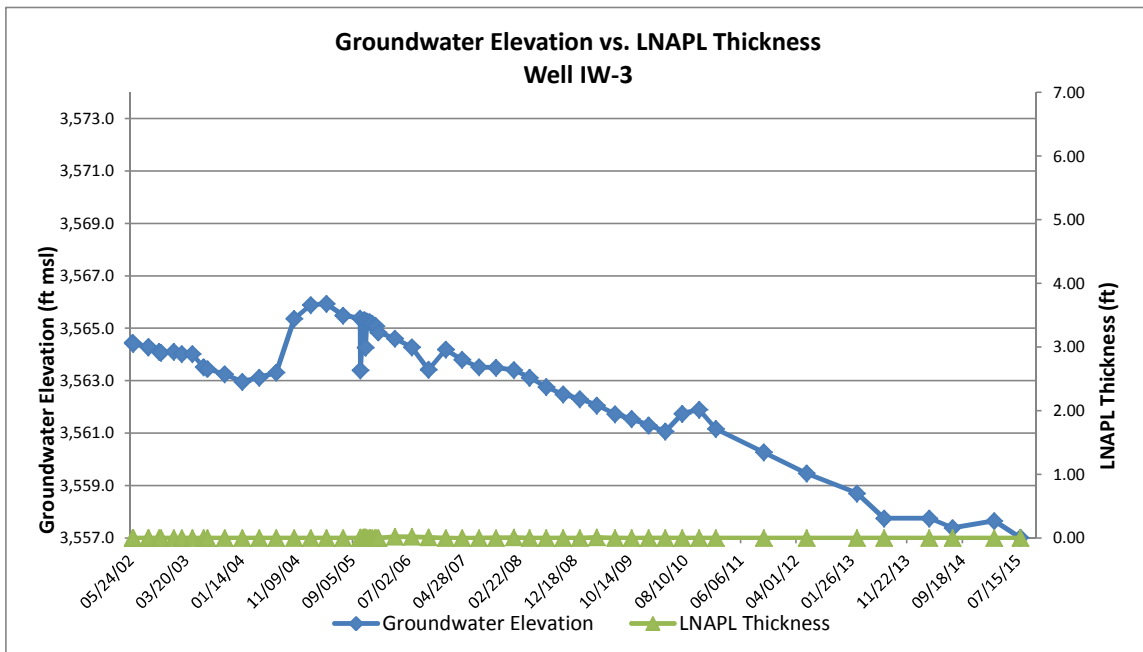
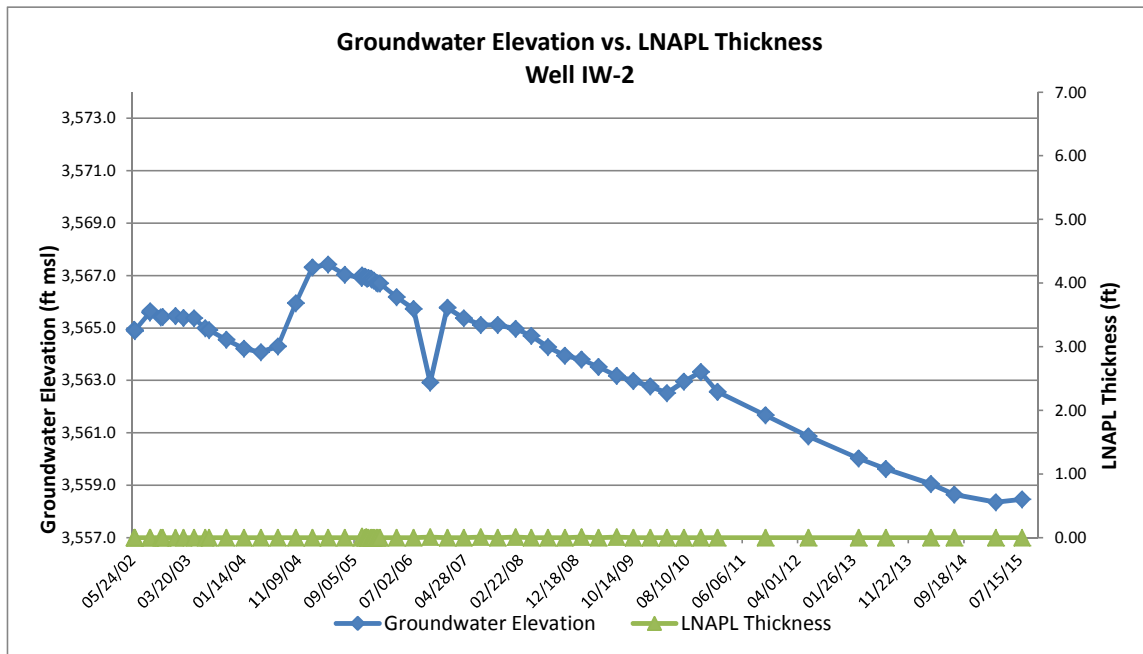
Hydrographs
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico



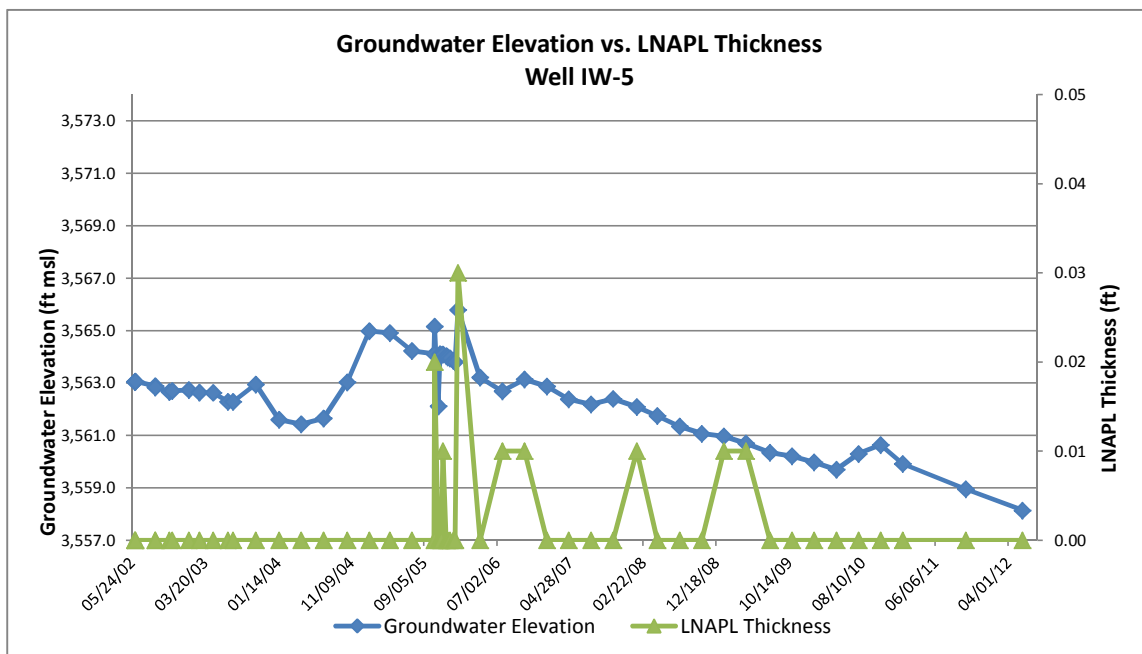
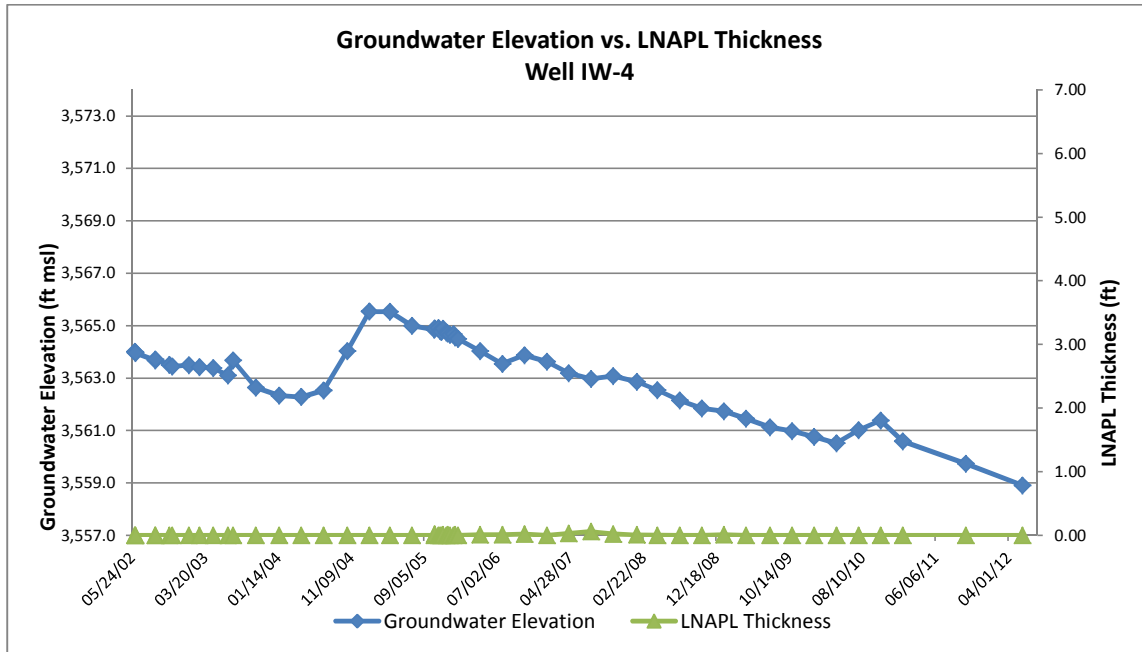
Hydrographs
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico



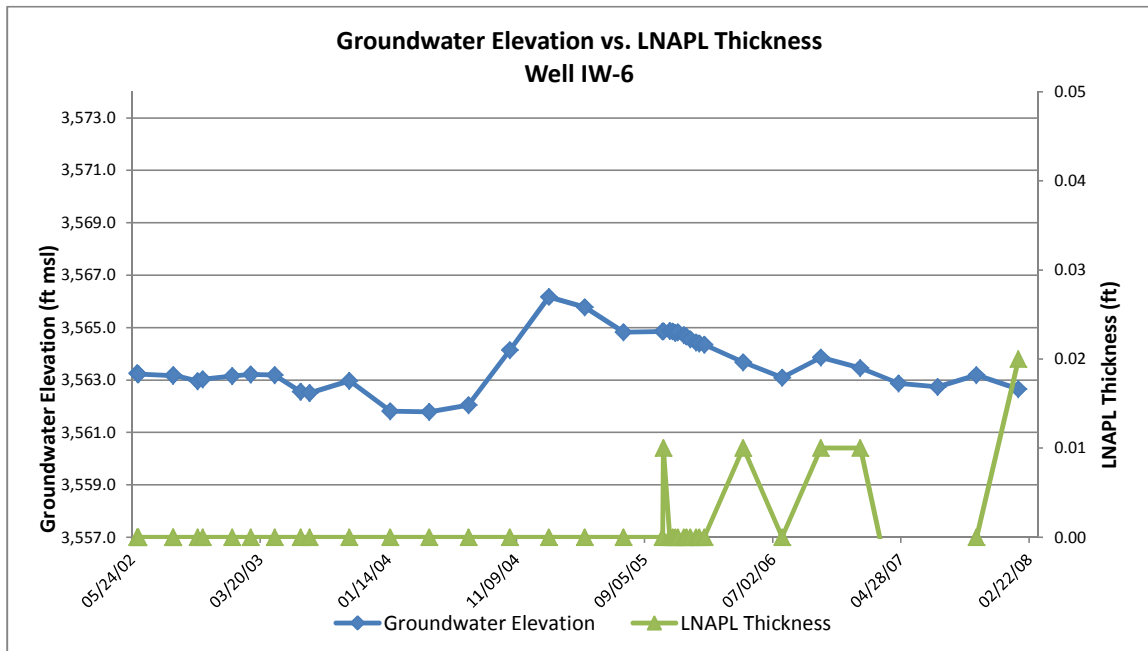
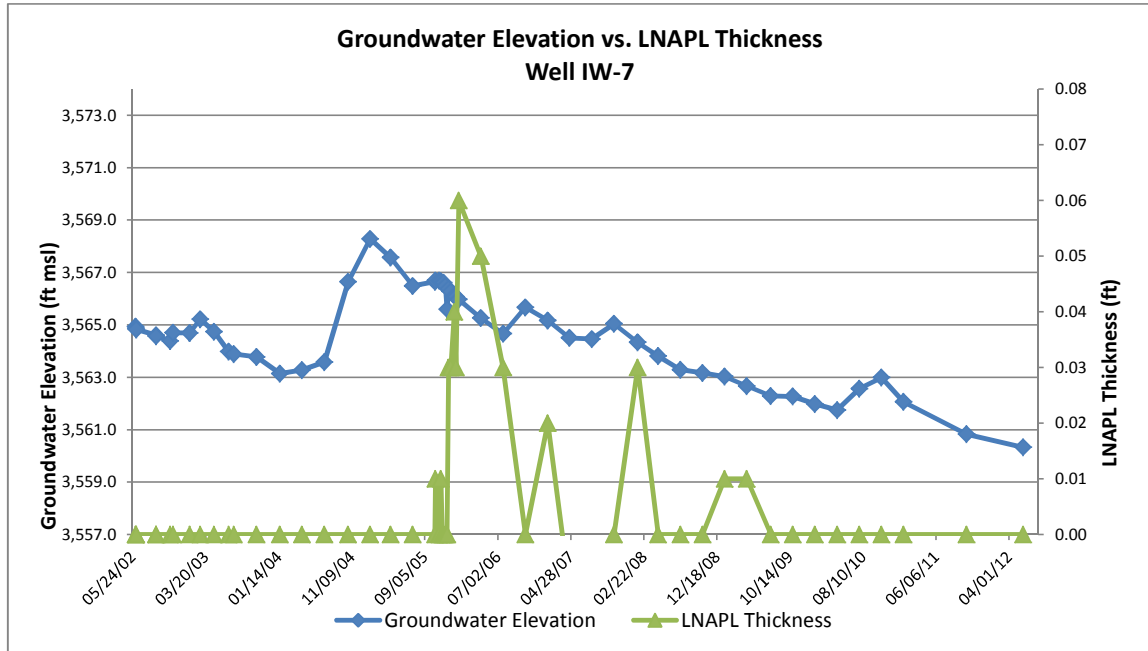
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Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico



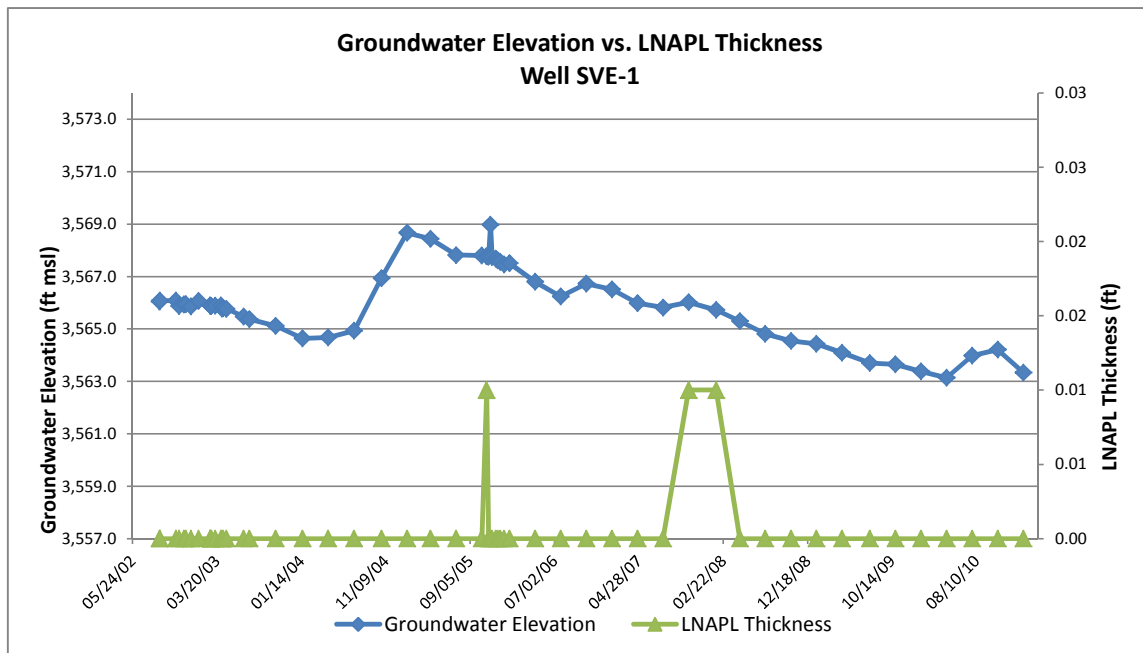
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Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico



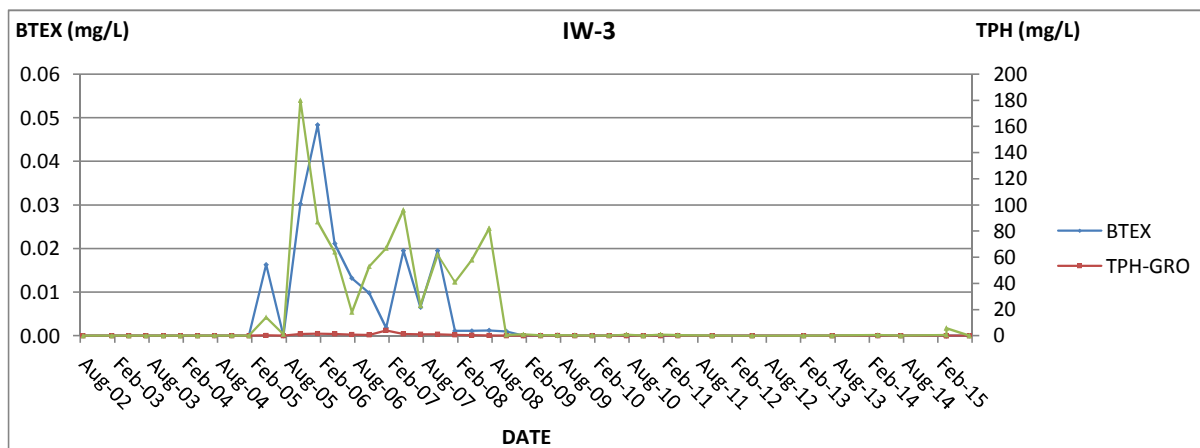
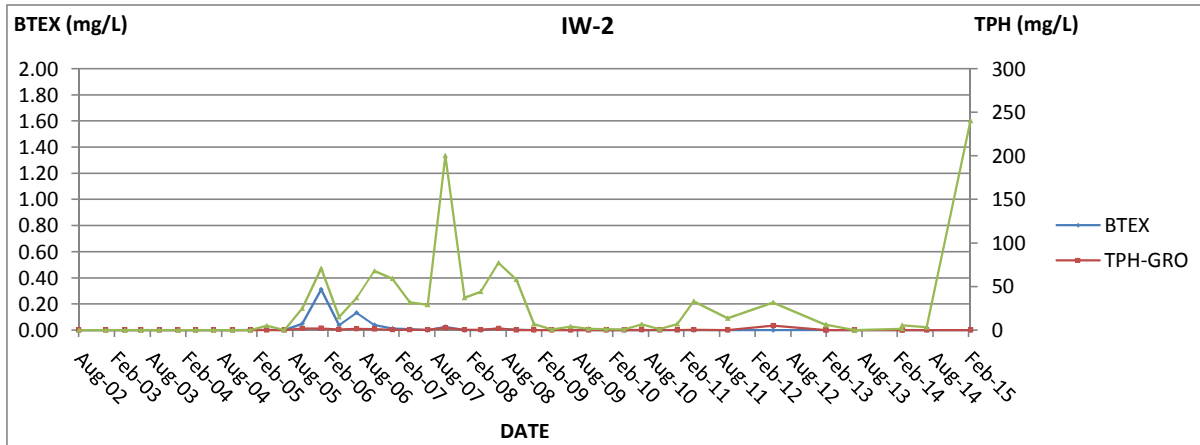
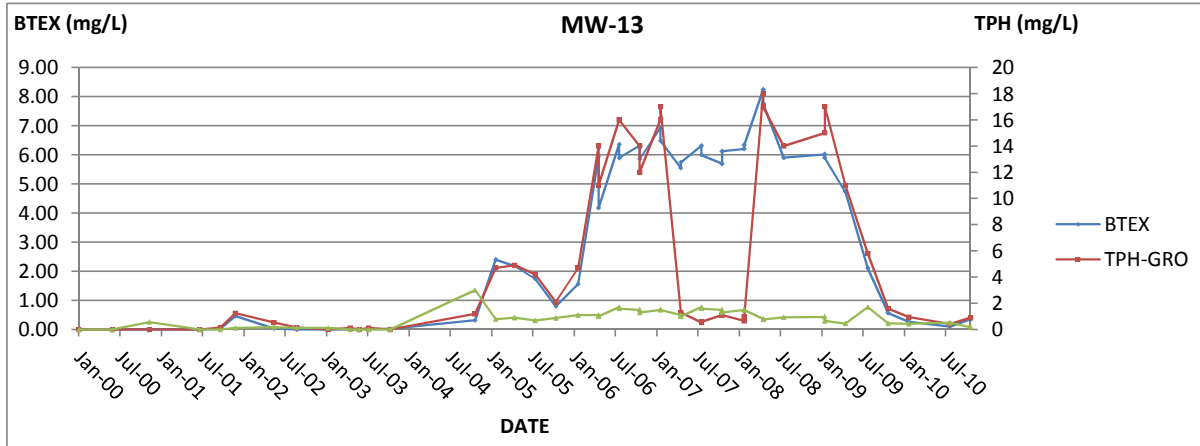
Hydrographs
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico



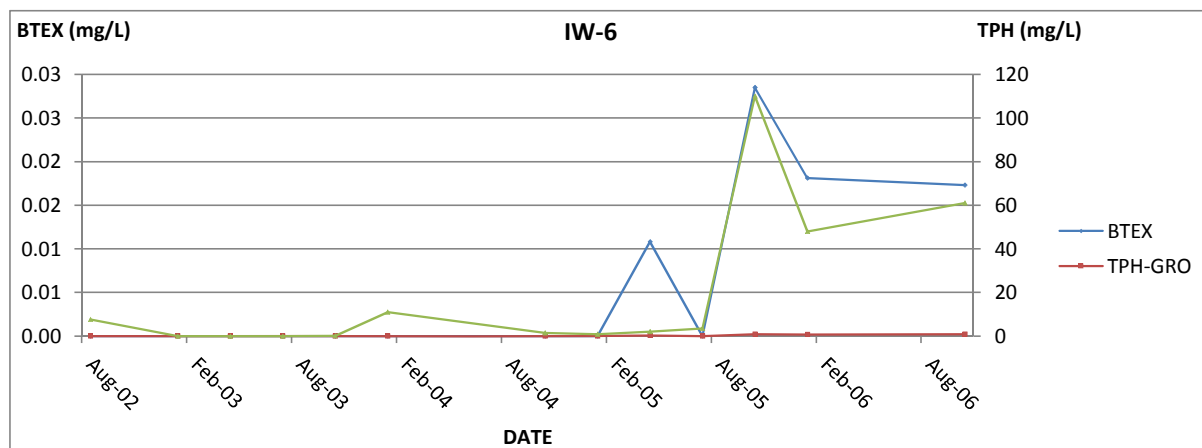
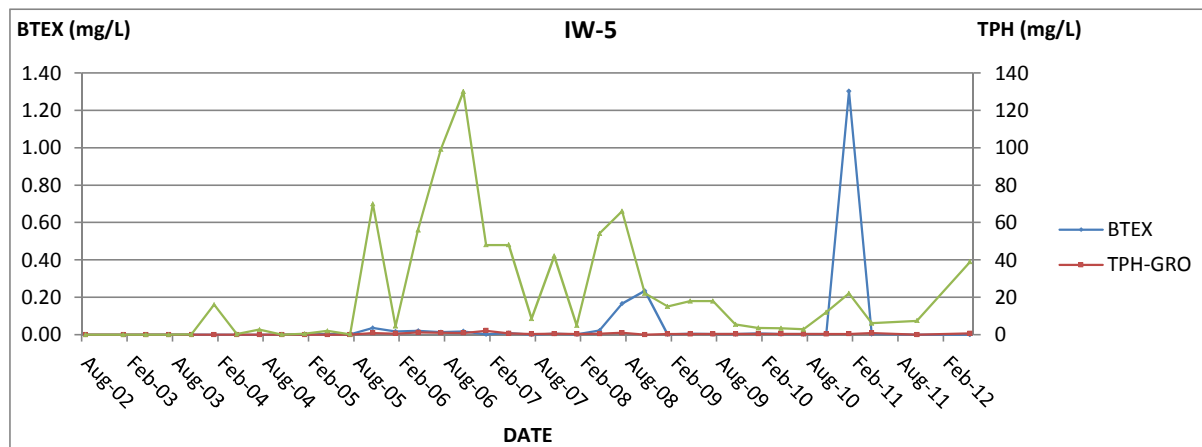
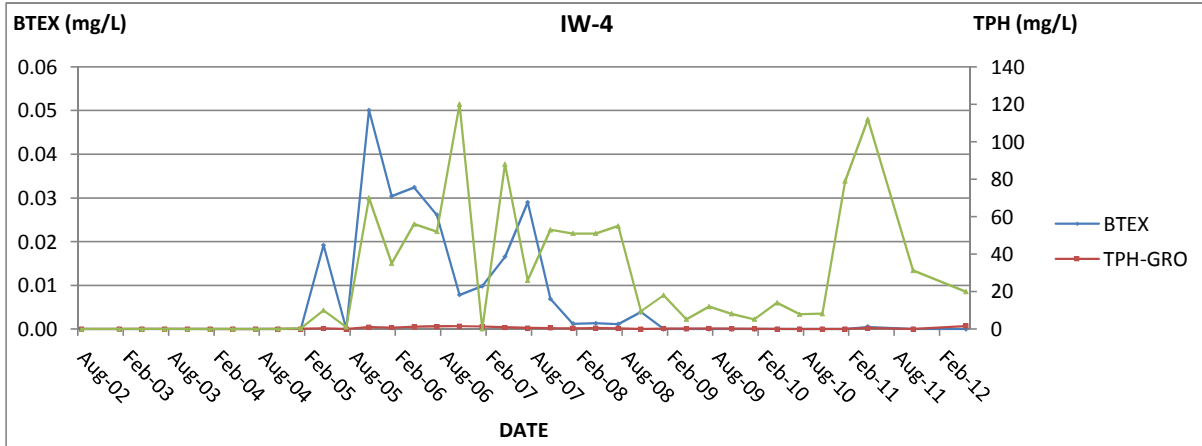
Hydrographs
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico



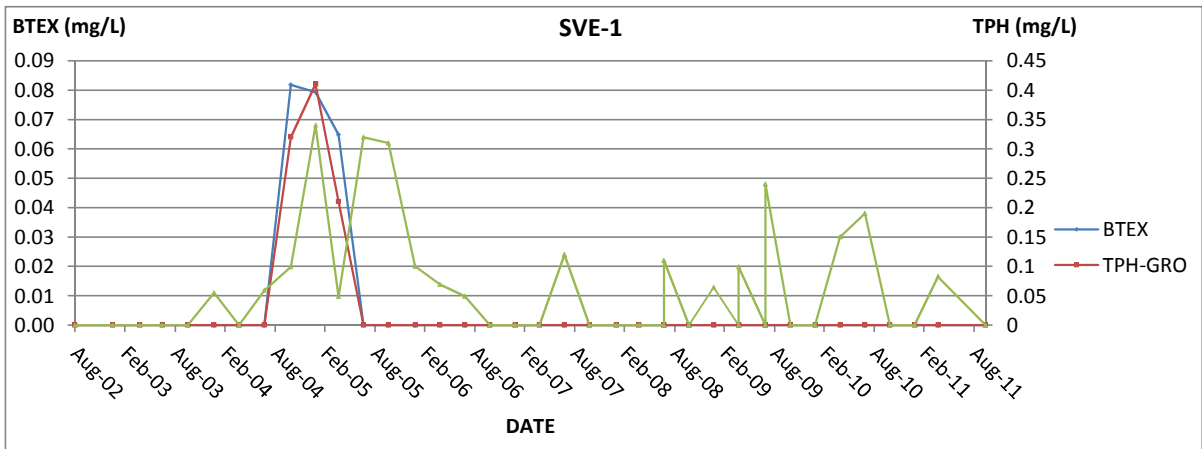
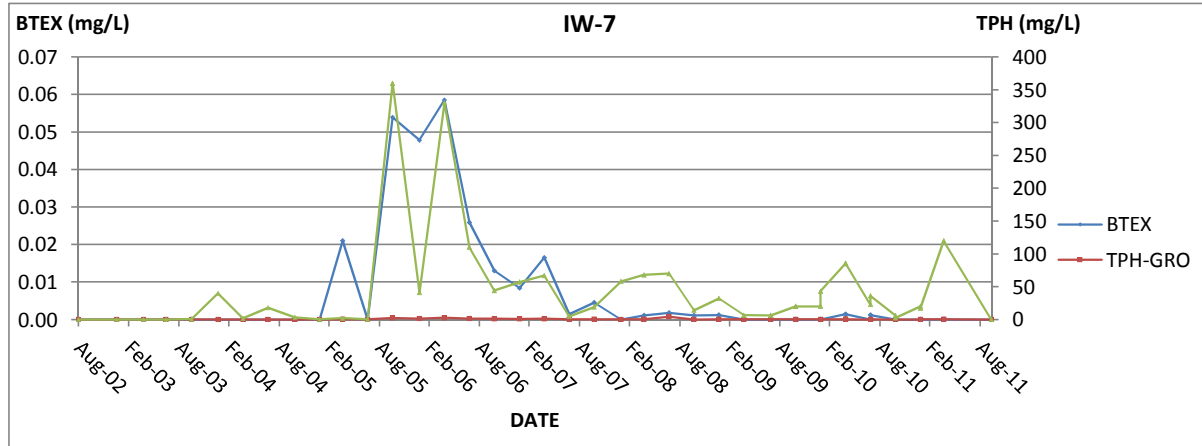
Hydrographs
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico



Hydrographs
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico



Hydrographs
Phillips 66 Company
Line NM 1-1
Hobbs, Lea County, New Mexico



Notes:

GW Elev = Groundwater Elevation in Feet Above Mean Sea Level

NAPL= Non-Aqueous Phase Liquid

TPH= Total Petroleum Hydrocarbons

Appendix C

PIANO Analysis Results



**CONESTOGA-ROVERS
& ASSOCIATES**

CHAIN OF CUSTODY RECORD

COC NO: 43408

Address: 115 W. Highway 11, Ste 500, Dallas, TX 75234

Phone: 972-331-8500 Fax: 972-331-8501

See Reverse Side for Instructions

Project No./Phase/Task Code:

075017-02

Project Name:

PST - Line MM-1

Project Location:

New Mexico

Chemistry Contact:

John Hume Greder

Sampler(s):

Mike Tenneti

Laboratory Name:

Rece Analytical / Zymed Huesigs

Lab Contact:

Alice Flanagan

Lab Location:

5500 Hill, CA

Lab Quote No:

NA

SSOW ID:

075017-02

Cooler No:

1

Carrier:

FedEx

Arrival No:

1/20/2015

Date Shipped:

1/20/2015

SAMPLE IDENTIFICATION

1. MW-1

DATE TIME 1/18/14 1:00

2. MW-2

DATE TIME 1/18/14 1:30

3. EW-2

DATE TIME 1/18/14 1:00

4. MW-1

DATE TIME 1/18/14 1:00

5. MW-1

DATE TIME 1/18/14 1:00

6. MW-1

DATE TIME 1/18/14 1:00

7. MW-1

DATE TIME 1/18/14 1:00

8. MW-1

DATE TIME 1/18/14 1:00

9. MW-1

DATE TIME 1/18/14 1:00

10. MW-1

DATE TIME 1/18/14 1:00

11. MW-1

DATE TIME 1/18/14 1:00

12. MW-1

DATE TIME 1/18/14 1:00

13. MW-1

DATE TIME 1/18/14 1:00

14. MW-1

DATE TIME 1/18/14 1:00

15. MW-1

DATE TIME 1/18/14 1:00

16. MW-1

DATE TIME 1/18/14 1:00

Matrix Code

(See back of COC)

Grab (G) or Comp (C)

Unpreserved

Hydrochloric Acid (HCl)

Antic Acid (HNO₃)

Sulfuric Acid (H₂SO₄)

Sodium Hydroxide (NaOH)

Ammonium Hydroxide (NH₄OH)

Excess 100g, 100g

Antic

Total Containers/Sample

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

Container Quantity & Preservation

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

Analysis Requested

(See back of COC for Definitions)

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

Comments/ Special Instructions:

43368-1

-2

-3

43368-1

-2

-3

43368-1

-2

-3

43368-1

-2

-3

43368-1

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43368-1

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43368-1

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-3

43368-1

-2

-3

43368-1

-2

-3

43368-1

-2

-3

43368-1

TAT Required in business days (use separate COCs for different TATs)

1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☒ Other STANDARD

Delivered By

COMPANY

DATE

1/20/2015

1/20/2015

1/20/2015

1/20/2015

1/20/2015

1/20/2015

Total Number of Containers: 3

All Samples in Cooler must be on COC

Received By

RECEIVED BY

DATE

1/20/2015

1/20/2015

1/20/2015

1/20/2015

1/20/2015

1/20/2015

Notes/ Special Requirements:

Notes/ Special Requirements:

Notes/ Special Requirements:

Notes/ Special Requirements:

Notes/ Special Requirements:

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Notes/ Special Requirements:

Notes/ Special Requirements:

C3-C44 Whole Oil Analysis

(ASTM D3328)

1. Gasoline Range PIANO Distribution
2. Whole Chromatogram
3. Expanded Chromatogram(in 3 pages)
4. Quantitation Report with Peak areas

1/27/2015

ZymaX ID 43860-1
Sample ID MW-1

Evaporation

n-Pentane / n-Heptane 0.43
2-Methylpentane / 2-Methylheptane 1.03

Waterwashing

Benzene / Cyclohexane 0.41
Toluene / Methylcyclohexane 0.65
Aromatics / Total Paraffins (n+iso+cyc) 0.41
Aromatics / Naphthenes 1.25

Biodegradation

(C4 - C8 Para + Isopara) / C4 - C8 Olefins 44.07
3-Methylhexane / n-Heptane 0.51
Methylcyclohexane / n-Heptane 1.56
Isoparaffins + Naphthenes / Paraffins 2.30

Octane rating

2,2,4,-Trimethylpentane / Methylcyclohexane 0.00

Relative percentages - Bulk hydrocarbon composition as PIANO

% Paraffinic 21.30
% Isoparaffinic 26.06
% Aromatic 28.72
% Naphthenic 23.00
% Olefinic 0.93

Submitted by,
Zymax Forensics, a DPRA Company



Shian-Tan Lu, Ph.D.
Director of Forensic Geochemistry

1/27/2015

ZymaX ID	43860-1
Sample ID	MW-1
	Relative
	Area %
1	Propane
2	Isobutane
3	Isobutene
4	Butane/Methanol
5	trans-2-Butene
6	cis-2-Butene
7	3-Methyl-1-butene
8	Isopentane
9	1-Pentene
10	2-Methyl-1-butene
11	Pentane
12	trans-2-Pentene
13	cis-2-Pentene/1-Butanol
14	2-Methyl-2-butene
15	2,2-Dimethylbutane
16	Cyclopentane
17	2,3-Dimethylbutane/MTBE
18	2-Methylpentane
19	3-Methylpentane
20	Hexane
21	trans-2-Hexene
22	3-Methylcyclopentene
23	3-Methyl-2-pentene
24	cis-2-Hexene
25	3-Methyl-trans-2-pentene
26	Methylcyclopentane
27	2,4-Dimethylpentane
28	Benzene
29	5-Methyl-1-hexene
30	Cyclohexane
31	2-Methylhexane/TAME
32	2,3-Dimethylpentane
33	3-Methylhexane
34A	1-Trans-3-Dimethylcyclopentane
34B	1-cis-3-Dimethylcyclopentane
35	2,2,4-Trimethylpentane
I.S. #	2,2,4-Trimethylpentane

1/27/2015

ZymaX ID		43860-1
Sample ID		MV7-1
		Relative Area %
36	n-Heptane	4.84
37	Methylcyclohexane	7.56
38	2,5-Dimethylhexane	0.65
39	2,4-Dimethylhexane	0.37
40	2,3,4-Trimethylpentane	0.00
41	Toluene/2,3,3-Trimethylpentane	4.89
42	2,3-Dimethylhexane	0.52
43	2-Methylheptane	2.21
44	4-Methylheptane	0.69
45	3,4-Dimethylhexane	0.33
45A	3-Ethyl-3-methylpentane	2.38
46B	1,4-Dimethylcyclohexane	1.25
47	3-Methylheptane	0.00
48	2,2,5-Trimethylhexane	0.74
49	n-Octane	4.09
50	2,2-Dimethylheptane	0.00
51	2,4-Dimethylheptane	0.18
52	Ethylcyclohexane	3.91
53	2,6-Dimethylheptane	1.63
54	Ethylbenzene	3.96
55	m+p Xylenes	3.46
56	4-Methyloctane	0.56
57	2-Methyloctane	0.80
58	3-Ethylheptane	0.27
59	3-Methyloctane	1.27
60	o-Xylene	1.34
61	1-Norane	0.00
62	n-Norane	3.42
I.S.#2	p-Bromofluorobenzene	0.00
63	Isopropylbenzene	0.31
64	3,3,5-Trimethylheptane	0.43
65	2,4,5-Trimethylheptane	1.14
66	n-Propylbenzene	1.44
67	1-Methyl-3-ethylbenzene	0.91
68	1-Methyl-4-ethylbenzene	0.75
69	1,3,5-Trimethylbenzene	1.06
70	3,3,4-Trimethylheptane	0.60

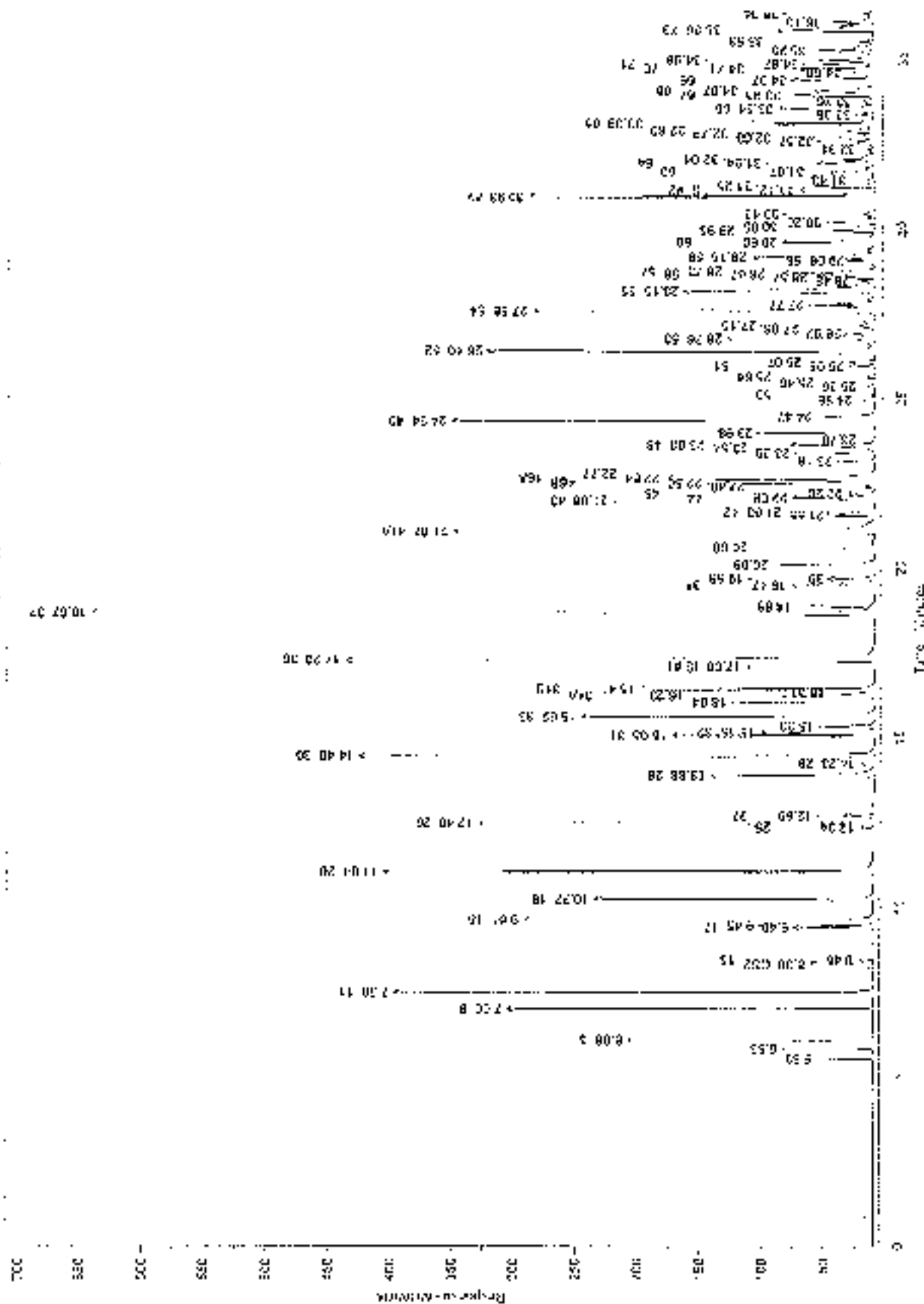
1/27/2015

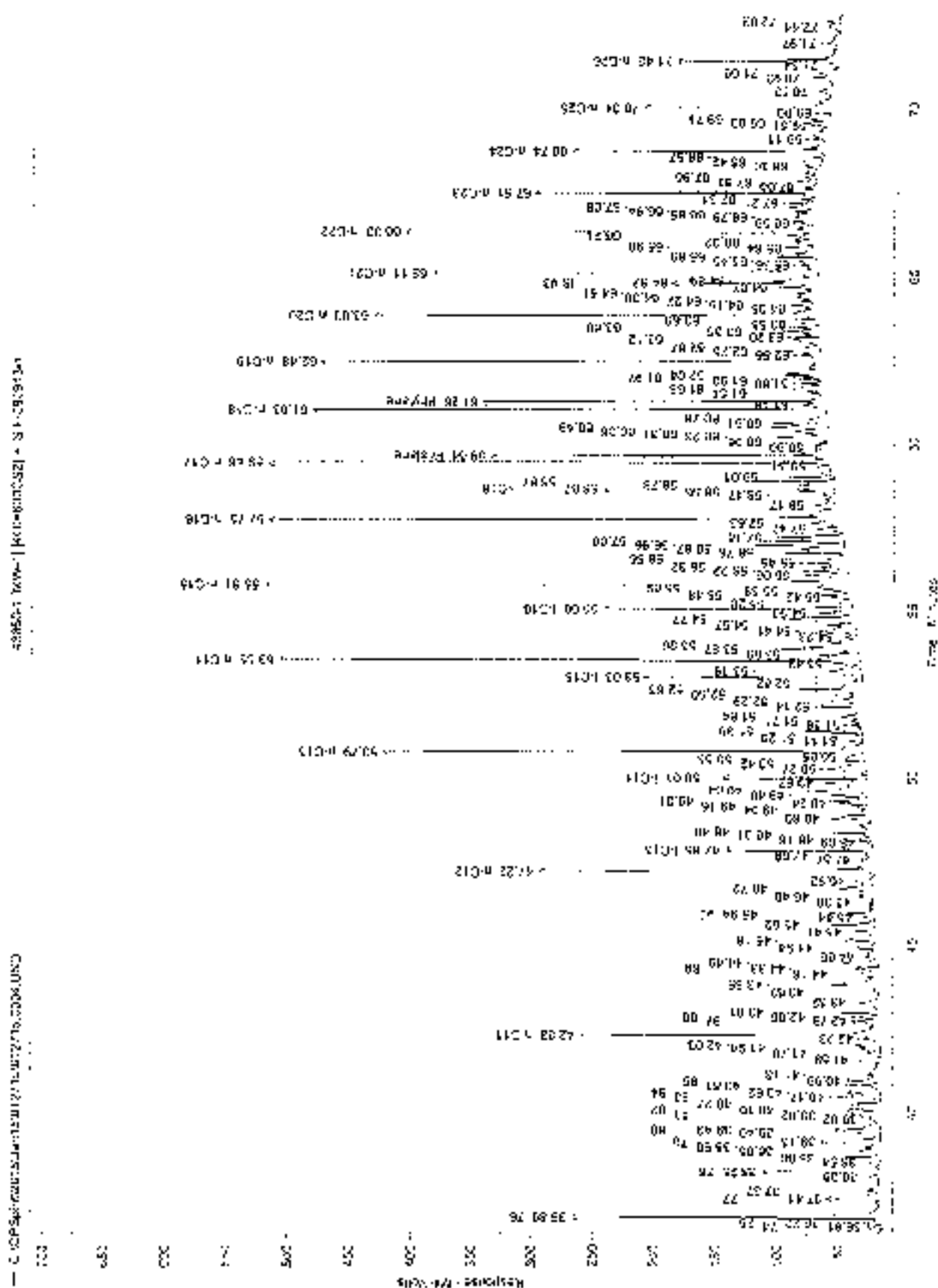
ZymaX ID		43860-1
Sample ID		MW-1
		Relative Area %
71	1-Methyl-2-ethylbenzene	0.36
72	3-Methylnonane	0.00
73	1,2,4-Trimethylbenzene	1.39
74	Isobutylbenzene	0.09
75	sec-Butylbenzene	0.20
76	n-Decane	3.09
77	1,2,3-Trimethylbenzene	0.68
78	Indan	1.14
79	1,3-Diethylbenzene	0.67
80	1,4-Diethylbenzene	0.61
81	n-Butylbenzene	0.67
82	1,3-Dimethyl-5-ethylbenzene	0.33
83	1,4-Dimethyl-2-ethylbenzene	0.68
84	1,3-Dimethyl-4-ethylbenzene	0.45
85	1,2-Dimethyl-4-ethylbenzene	0.20
86	Undecene	0.00
87	1,2,4,5-Tetramethylbenzene	0.37
88	1,2,3,5-Tetramethylbenzene	0.21
89	1,2,3,4-Tetramethylbenzene	0.21
90	Naphthalene	0.41
91	2-Methyl-naphthalene	0.00
92	1-Methyl-naphthalene	0.00

Chromatogram Report

C:\ProgramData\Zymaxx\2015\Jun15\c-27-5-012748 0004.DMD

43865-1 (99%-1) M20-6000521 * 15 F-0529-3-1





Chrom Perfect Chromatogram Report

Sample Name = 43880-1 (MW-1) [400+500C52] + IS F-090913-1

Instrument = Instrument 1

Acquisition Port = 10PM

Heading 1 =

Heading 2 =

Raw File Name = C:\CPS\p114\2016\Jan15\012716\012716.0004.RAW

Date Taken (end) = 1/28/2016 12:22:41 AM

Method File Name = C:\CPS\p114\0344.mxd

Method Version = 44

Calibration File Name = C:\CPS\p114\062014.cal

Calibration Version = 4

Peak Name	Ret. Time	Area %	Area
	5.53	0.0304	43373.37
	5.83	0.0354	46382.57
3	3.05	0.3243	232976.76
8	7.00	0.5312	424771.80
11	7.50	0.8703	625256.20
C52	8.30	0.2349	131533.20
15	8.45	0.0197	14156.17
17	9.40	0.1732	124485.10
	9.45	0.1474	105370.20
16	9.61	0.9402	675575.76
1E	10.22	0.7892	566297.00
20	11.04	1.5824	1122527.00
25	12.34	0.0242	17382.95
26	12.48	1.2702	912577.20
27	12.66	0.0841	46024.47
28	13.68	0.7095	509780.20
29	14.23	0.0356	25553.34
30	14.46	1.7377	1248474.00
37	15.05	0.5554	470858.56
32	15.15	0.3890	279458.00
	15.33	0.1835	137815.50
32	15.52	1.0201	732930.60
	16.04	0.4791	344212.70
34A	16.23	0.4306	309377.70
	16.31	0.1273	91457.38
34B	16.41	0.9193	587924.20
IS #1	17.08	0.4790	343429.50
36	17.29	2.3033	1439294.00
37	18.57	3.1310	2243532.70
	18.68	0.2339	165925.10
38	18.47	0.2730	193977.70
39	19.68	0.1547	111139.30
	20.09	0.3034	215845.30
	20.50	0.4151	298257.70
41A	21.07	2.3258	1455459.00
	21.55	0.1451	104939.00
42	21.63	0.2159	155846.40
43	21.58	0.3157	559639.50
44	22.08	0.2051	205327.50
45	22.20	0.1335	98035.58
	22.40	0.0479	34437.74
46B	22.50	0.5134	373170.70
46A	22.64	0.9859	709342.50
	22.77	0.3463	245826.70
	23.16	0.1293	92799.57
	23.39	0.1546	111054.70
	23.54	0.1337	93935.05
48	23.63	0.3092	221405.20
	23.78	0.0358	25753.92
	23.98	0.4734	301342.30
49	24.34	1.6929	1276317.00
	24.47	0.2587	185443.10
	24.96	0.0640	48836.84
	25.36	0.0310	27290.31
	25.48	0.0273	19618.94

Chrom Perfect Chromatogram Report

Peak Name	Ret. Time	Area %	Area
51	25.64	0.0547	39310.59
	25.95	0.0745	53524.68
	26.07	0.1163	83545.18
52	26.40	1.6186	1162912.00
53	26.76	0.6759	485616.30
	26.92	0.0981	70508.18
	27.06	0.0329	23623.27
	27.15	0.0348	25003.71
54	27.58	1.6401	1178381.00
	27.77	0.2233	160443.40
55	28.15	1.4327	1029371.00
	28.48	0.0549	39435.26
	28.57	0.0995	71504.71
56	28.67	0.2382	171132.70
57	28.73	0.3311	237911.20
58	29.08	0.1129	81088.44
59	29.16	0.5265	378288.10
60	29.60	0.5542	398176.80
	29.95	0.1983	142457.40
	30.05	0.3578	257047.10
	30.20	0.1986	142700.50
	30.43	0.0752	54045.18
	30.93	1.4161	1017416.00
62	31.12	0.4066	292091.10
I.S. #2	31.25	0.3126	224610.00
	31.43	0.0822	59037.03
	31.67	0.1292	92820.48
63	31.94	0.1763	126674.90
64	32.04	0.0877	62975.61
	32.34	0.0359	25783.96
	32.57	0.0773	55510.31
	32.68	0.2774	199307.00
	32.79	0.0537	38605.29
	32.89	0.1055	75822.09
	33.09	0.4705	338061.00
	33.36	0.0531	38151.95
66	33.54	0.5966	428649.60
	33.76	0.0709	50931.08
67	33.93	0.3766	270544.50
68	34.07	0.3120	224181.30
69	34.37	0.4392	315519.50
	34.60	0.0908	65255.56
70	34.71	0.2716	195138.10
71	34.87	0.1498	107618.40
	34.98	0.1261	90604.62
	35.25	0.2298	165098.90
73	35.53	0.0627	45031.44
	35.86	0.5726	411390.10
	36.10	0.1881	135158.80
	36.34	0.0305	21898.28
74	36.61	0.0389	27946.35
75	36.72	0.0849	60996.98
76	36.89	1.2787	918707.90
77	37.44	0.2830	203290.10
	37.67	0.0318	22868.30
	38.08	0.0653	46894.19
78	38.25	0.4707	338170.40
	38.54	0.0802	57617.68
	38.66	0.1782	128006.20
	38.85	0.1656	118950.50
79	38.98	0.0725	52063.37
	39.13	0.3619	260027.20
	39.40	0.1961	140891.30
80	39.49	0.2546	182930.80
	39.82	0.0819	58814.84
81	39.92	0.2768	198853.40
82	40.10	0.1369	98367.73

Chrom Perfect Chromatogram Report

Peak Name	Ret. Time	Area %	Area
	40.27	0.1211	86981.51
83	40.47	0.2835	203681.40
84	40.62	0.1858	133500.60
	40.81	0.1335	95904.19
85	40.96	0.0830	59665.12
	41.16	0.0239	17179.79
	41.59	0.1173	84245.17
	41.78	0.0748	53735.86
	41.94	0.1421	102077.40
	42.03	0.1751	125807.10
	42.23	0.0759	54529.20
n-C11	42.33	1.3190	947643.50
87	42.76	0.1525	109573.10
88	42.86	0.0874	62825.29
	43.01	0.1824	131041.80
	43.32	0.1274	91521.44
	43.62	0.0244	17541.30
	43.85	0.3202	230044.40
	44.16	0.2573	184867.90
89	44.33	0.0886	63680.16
	44.49	0.1783	128072.60
	44.66	0.0257	18496.09
	44.94	0.0882	63389.33
	45.16	0.0491	35261.39
	45.41	0.1038	74567.99
	45.62	0.2094	150440.30
	45.84	0.0595	42743.28
90	45.94	0.1697	121926.20
	46.30	0.0446	32011.90
	46.46	0.0266	19141.36
	46.72	0.2285	164146.90
	46.92	0.1124	80752.95
n-C12	47.22	1.1711	841402.80
	47.57	0.0651	46801.41
	47.69	0.0586	42079.61
i-C13	47.85	0.5300	380804.40
	48.09	0.0217	15566.97
	48.16	0.0644	46273.16
	48.31	0.0310	22270.55
	48.40	0.1470	105620.30
	48.80	0.0623	44755.42
	49.04	0.0134	9661.46
	49.16	0.0504	36244.57
	49.24	0.0899	64580.72
	49.31	0.1561	112127.10
	49.48	0.1425	102373.40
	49.64	0.2890	207603.10
	49.87	0.1970	141558.20
i-C14	50.01	0.3965	284882.70
	50.27	0.3551	255145.30
	50.42	0.1435	103101.70
	50.55	0.0973	69896.85
	50.65	0.0807	58009.45
n-C13	50.79	1.6495	1185068.00
	51.11	0.0430	30883.79
	51.20	0.2669	191752.40
	51.39	0.1947	139865.20
	51.58	0.0230	16539.89
	51.71	0.0446	32067.86
	51.84	0.0743	53392.53
	52.14	0.3211	230720.10
	52.29	0.3171	227791.80
	52.50	0.1536	110327.20
	52.63	0.3582	257341.70
	52.82	0.2622	188348.70
i-C15	53.03	0.5873	421953.20
	53.19	0.1897	136264.40

Chrom Perfect Chromatogram Report

Peak Name	Ret. Time	Area %	Area
n-C14	53.42	0.0883	63471.94
	53.55	1.9251	1383109.00
	53.69	0.1675	120365.50
	53.87	0.3730	267990.40
	53.96	0.5489	394361.00
	54.23	0.0651	46749.76
	54.41	0.3479	249964.40
	54.57	0.1357	97475.29
	54.77	0.5734	411944.70
i-C16	54.93	0.1557	111845.30
	55.06	0.7825	562228.60
	55.20	0.2018	144955.00
	55.42	0.0790	56746.28
	55.48	0.1359	97644.55
	55.59	0.0600	43126.67
	55.69	0.1998	143578.20
n-C15	55.81	1.8817	1351897.00
	56.06	0.3116	223848.00
	56.22	0.1999	143636.50
	56.32	0.1174	84348.07
	56.45	0.2173	156092.00
	56.56	0.1028	73851.27
	56.76	0.2716	195124.90
	56.87	0.1938	139266.30
	56.96	0.3695	265443.20
n-C16	57.08	0.3229	232018.50
	57.18	0.3923	281833.90
	57.47	0.0746	53595.74
	57.63	0.1062	76296.35
	57.75	1.3447	966136.60
	58.17	0.1460	104859.50
	58.47	0.0379	27262.13
	58.56	0.1783	128093.00
	58.67	0.6874	493888.80
i-C18	58.78	0.1747	125502.00
	58.87	0.2277	163588.80
	59.01	0.1742	125160.80
	59.34	0.0573	41182.21
n-C17 Pristane	59.46	1.3378	961148.10
	59.64	0.8299	596221.80
	59.90	0.0204	14688.80
	60.06	0.0300	21565.25
	60.23	0.2986	214565.30
	60.31	0.0641	46032.48
	60.36	0.2264	162656.70
	60.49	0.2549	183163.70
	60.61	0.1386	99572.87
n-C18	60.78	0.2073	148908.00
	61.03	1.2799	919542.30
	61.18	0.0864	62103.26
	61.26	0.8583	616634.40
Phytane	61.51	0.0363	26082.94
	61.65	0.2612	187645.10
	61.80	0.0591	42472.15
	61.90	0.0528	37909.55
	61.97	0.1207	86701.23
	62.04	0.3376	242583.10
	62.48	1.4619	1050298.00
n-C19	62.66	0.0891	64042.34
	62.75	0.1607	115468.40
	62.87	0.1008	72418.71
	63.12	0.2199	158016.00
	63.20	0.0870	62538.03
	63.36	0.1429	102665.00
	63.48	0.1143	82130.82
	63.58	0.1082	77769.61
	63.69	0.1710	122887.30

Chrom Perfect Chromatogram Report

Peak Name	Ret. Time	Area %	Area
n-C20	63.83	1.2799	919576.90
	64.05	0.0884	63481.98
	64.15	0.1601	115031.30
	64.27	0.0860	61795.29
	64.36	0.1863	133851.90
	64.51	0.0976	70133.34
	64.67	0.1816	130485.00
IS #3	64.82	0.4680	336231.20
	64.89	0.2350	168868.10
n-C21	65.11	1.0146	728922.60
	65.36	0.0796	57163.46
	65.45	0.0885	63559.94
	65.60	0.1633	117311.00
	65.84	0.0679	48814.03
	65.90	0.0734	52752.04
	66.02	0.1597	114713.80
n-C22	66.21	0.0708	50866.26
	66.33	0.9519	683896.50
	66.59	0.0197	14174.04
	66.78	0.0620	44510.41
	66.85	0.1396	100299.60
	66.94	0.0621	44640.09
	67.08	0.1247	89609.90
n-C23	67.21	0.0677	48618.94
	67.31	0.0579	41594.48
	67.51	0.7248	520761.40
	67.65	0.0525	37752.52
	67.83	0.0872	62631.64
	67.96	0.0669	48097.21
	68.30	0.0729	52356.09
n-C24	68.42	0.1032	74109.43
	68.57	0.0385	27671.50
	68.74	0.6620	475597.60
	69.11	0.0292	20946.15
	69.51	0.0313	22522.00
	69.60	0.1588	114062.20
	69.71	0.0817	58677.48
n-C25	69.90	0.0274	19688.07
	70.04	0.5162	370887.20
	70.53	0.0382	27447.07
	70.93	0.1663	119471.80
n-C26	71.09	0.0959	68899.61
	71.34	0.0224	16092.17
	71.45	0.4659	334696.60
	71.97	0.0480	34499.58
n-C27	72.44	0.1355	97321.84
	72.62	0.0564	40552.54
	73.01	0.5049	362734.80
	73.31	0.0719	51631.26
n-C28	73.62	0.0870	62534.69
	73.93	0.0876	62919.83
	74.33	0.0791	56827.55
	74.78	0.4129	296644.00
n-C29	75.43	0.0873	62728.41
	76.29	0.0490	35180.67
	76.42	0.0226	16229.06
	76.81	0.4123	296223.00
n-C30	77.38	0.0558	40084.39
	77.54	0.1202	86376.80
	78.00	0.0424	30432.77
	78.41	0.0221	15843.23
n-C31	78.56	0.0447	32113.31
	78.91	0.0678	48723.62
	79.14	0.3480	250053.60
	79.98	0.0463	33232.17
n-C31	81.03	0.0159	11422.78
	81.86	0.4064	291947.30

Chromatogram Report

Peak Name	Ret. Time	Area %	Area
	82.37	0.0342	24507.50
	82.87	0.0656	47069.67
	84.24	0.0424	30435.68
n-C32	85.03	0.2700	200370.70
	85.49	0.0451	32429.76
	88.15	0.0575	41290.75
n-C33	88.72	0.1805	129737.30
	91.92	0.0629	45200.35
n-C34	93.03	0.1777	127657.10
	96.12	0.3304	24060.13
n-C35	98.06	0.1361	97779.11
n-C36	103.53	0.1470	105595.20

Total Area = 7.10460E+07

Total Height = 2.139724E+07

Total Amount = 0

1/27/2015

Zymax ID 43860-2
Sample ID MW-8

Evaporation

n-Pentane / n-Heptane 0.16
2-Methylpentane / 2-Methylheptane 0.59

Waterwashing

Benzene / Cyclohexane 0.24
Toluene / Methylcyclohexane 0.13
Aromatics / Total Paraffins (n+iso+cyc) 0.37
Aromatics / Naphthenes 1.08

Biodegradation

(C4 - C8 Para + Isopara) / C4 - C8 Olefins 235.86
3-Methylhexane / n-Heptane 0.49
Methylcyclohexane / n-Heptane 1.61
Isoparaffins + Naphthenes / Paraffins 2.40

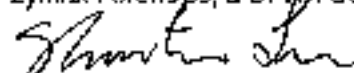
Octane rating

2,2,4,4-Trimethylpentane / Methylcyclohexane 0.00

Relative percentages - Bulk hydrocarbon composition as PLANO

% Paraffinic 21.43
% Isoparaffinic 26.44
% Aromatic 26.84
% Naphthenic 25.01
% Olefinic 0.17

Submitted by:
Zymax Forensics, a DPBA Company



Shan-Tan Lu, Ph.D.
Director of Forensic Geochemistry

1/27/2015

ZymaX ID		43860-2
Sample ID		MW 8
		Relative Area %
1	Propane	0.00
2	isobutane	0.00
3	Isobutene	0.07
4	Butane/Methanol	0.00
5	trans-2-Butene	0.00
6	cis-2-Butene	0.00
7	3-Methyl-1-butene	0.00
8	Isopentane	0.45
9	1-Pentene	0.00
10	2-Methyl-1-butene	0.00
11	Pentane	0.83
12	trans-2-Pentene	0.00
13	cis-2-Pentene/t-Butanol	0.00
14	2-Methyl-2-butene	0.00
15	2,2-Dimethylbutane	0.00
16	Cyclopentane	0.00
17	2,3-Dimethylbutane/MTBE	0.18
18	2-Methylpentane	1.53
19	3-Methylpentane	1.43
20	Hexane	2.93
21	trans-2-Hexene	0.00
22	3-Methylcyclopentene	0.00
23	3-Methyl-2-pentene	0.00
24	cis-2-Hexene	0.00
25	3-Methyl-trans-2-pentene	0.05
26	Methylcyclopentane	2.76
27	2,4-Dimethylpentane	0.20
28	Benzene	1.01
29	5-Methyl-1-hexene	0.05
30	Cyclohexane	4.24
31	2-Methylhexane/1-AME	1.63
32	2,3-Dimethylpentane	1.00
33	3-Methylhexane	2.61
34A	1-trans-3-Dimethylcyclopentane	1.12
34B	1-cis-3-Dimethylcyclopentane	2.20
35	2,2,4-Trimethylpentane	0.00
I.S. #1	1,3,5-Trifluorotoluene	0.00

1/27/2015

ZymaX ID	43860-2	
Sample ID	MW-8	
	Relative	
	Area %	
36	1-Heptane	5.28
37	Methylcyclohexane	8.49
38	2,5-Dimethylhexane	0.74
39	2,4-Dimethylhexane	0.43
40	2,3,4-Trimethylpentane	0.00
41	Toluene/2,3,3-Trimethylpentane	1.09
42	2,3-Dimethylhexane	0.58
43	2-Methylheptane	2.65
44	4-Methylheptane	0.80
45	3,4-Dimethylhexane	0.37
46A	3-Ethyl-2-methylpentane	2.84
46B	1,4-Dimethylcyclohexane	1.45
47	3-Methylheptane	0.00
48	2,2,5-Trimethylhexane	0.84
49	n-Octane	4.89
50	2,2-Dimethylheptane	0.18
51	2,4-Dimethylheptane	0.22
52	Ethylcyclohexane	4.75
53	2,6-Dimethylheptane	1.99
54	Ethylbenzene	4.37
55	m+p Xylenes	3.93
56	4-Methyloctane	0.69
57	2-Methyloctane	0.95
58	3-Ethylheptane	1.29
59	3-Methyloctane	0.23
60	o-Xylene	1.44
61	1-Nonene	0.00
62	n-Nonane	3.78
I.S.#2	p-tert-butylchlorobenzene	0.00
63	Isopropylbenzene	0.36
64	3,3,5-Trimethylheptane	0.51
65	2,4,5-Trimethylheptane	1.34
66	n-Propylbenzene	1.65
67	1-Methyl-3-ethylbenzene	1.07
68	1-Methyl-4-ethylbenzene	0.87
69	1,3,5-Trimethylbenzene	1.21
70	3,3,4-Trimethylheptane	0.75

1/2/2015

ZymaX ID
Sample ID

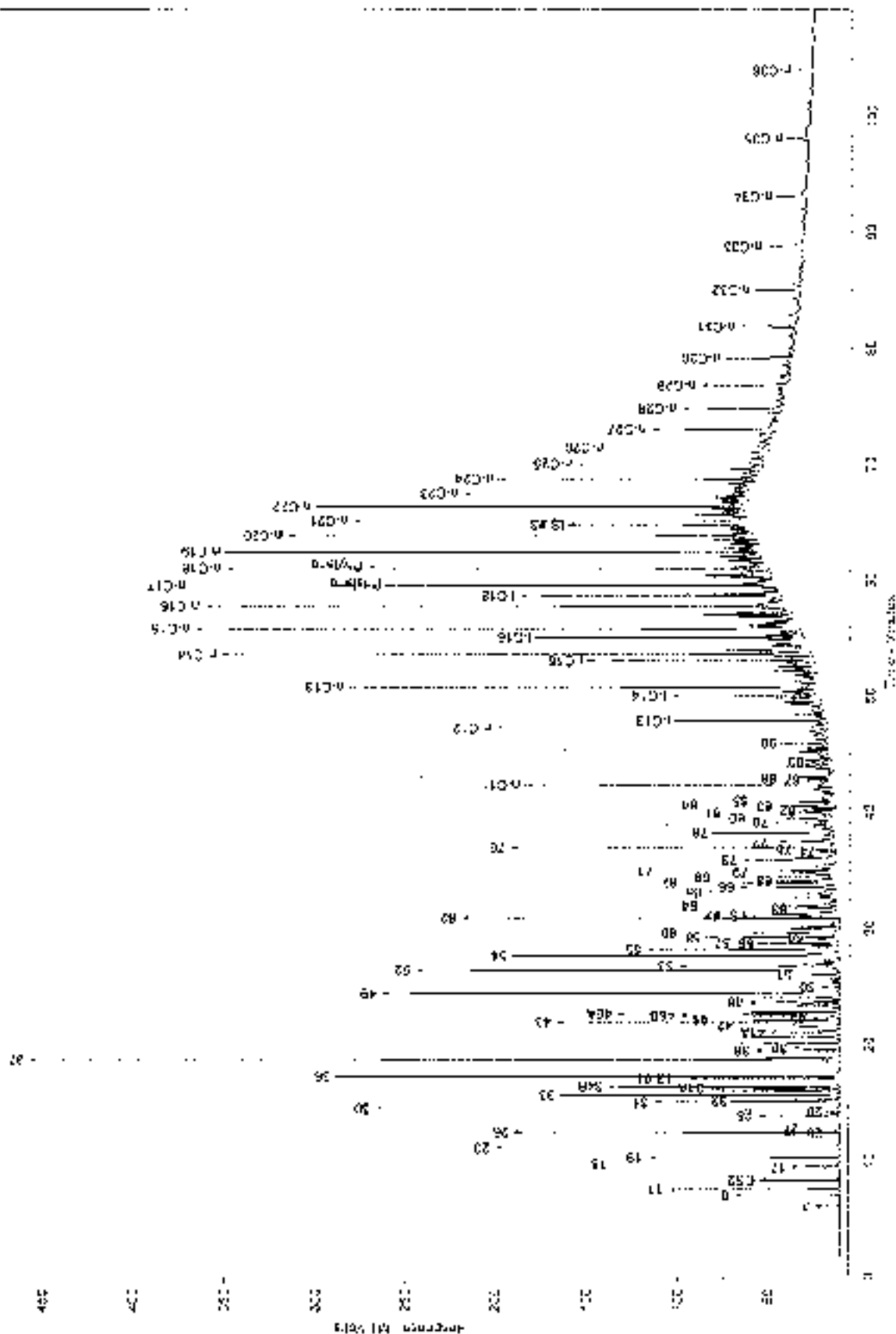
43860-2
MW-6

		Relative Area %
71	1-Methyl-2-ethylbenzene	0.43
72	3-Methylnonane	0.00
73	1,2,4-Trimethylbenzene	1.52
74	Isobutylbenzene	0.11
75	sec-Butylbenzene	0.26
76	n-Decane	3.71
77	1,2,3-Trimethylbenzene	0.78
78	Indan	1.30
79	1,3-Diethylbenzene	0.98
80	1,4-Diethylbenzene	0.70
81	n-Butylbenzene	0.75
82	1,3-Dimethyl-5-ethylbenzene	0.36
83	1,4-Dimethyl-2-ethylbenzene	0.77
84	1,3-Dimethyl-4-ethylbenzene	0.49
85	1,2-Dimethyl-4-ethylbenzene	0.22
86	Undecene	0.00
87	1,2,4,5-Tetramethylbenzene	0.38
88	1,2,3,5-Tetramethylbenzene	0.21
89	1,2,3,4-Tetramethylbenzene	0.24
90	Naphthalene	0.45
91	2-Methyl-naphthalene	0.00
92	1-Methyl-naphthalene	0.00

Color Perfect Chromatogram Report

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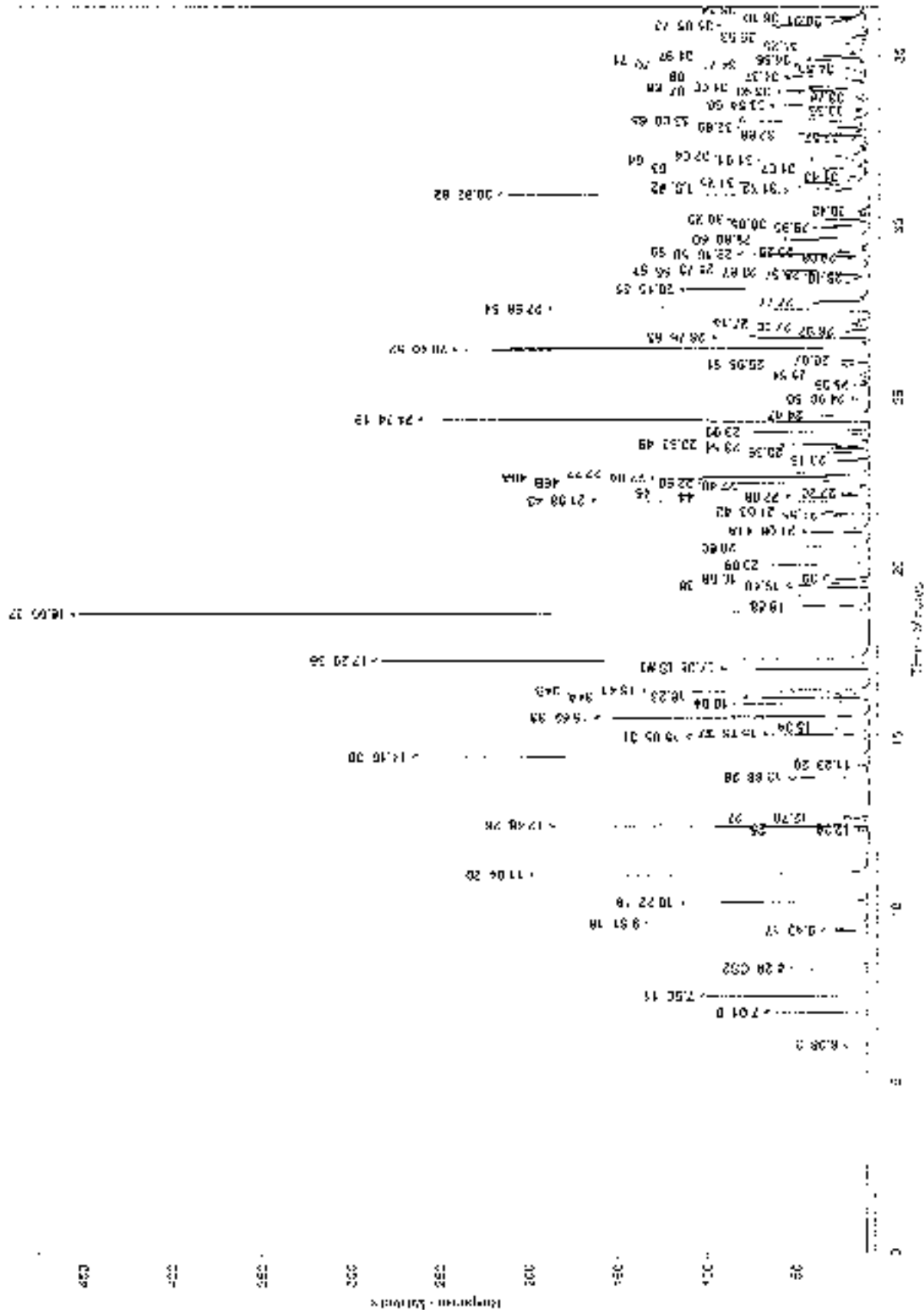
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Chrom. Perfect Chromatogram Report

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5.02

43306-2 (MVA-2) (400-400052) + (S.F. 2802-3-1)



Chrom Refect Chromatogram Report

42852.2 (MAY 16) 900-500 (CS2) - IS F-090513-1

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500

400

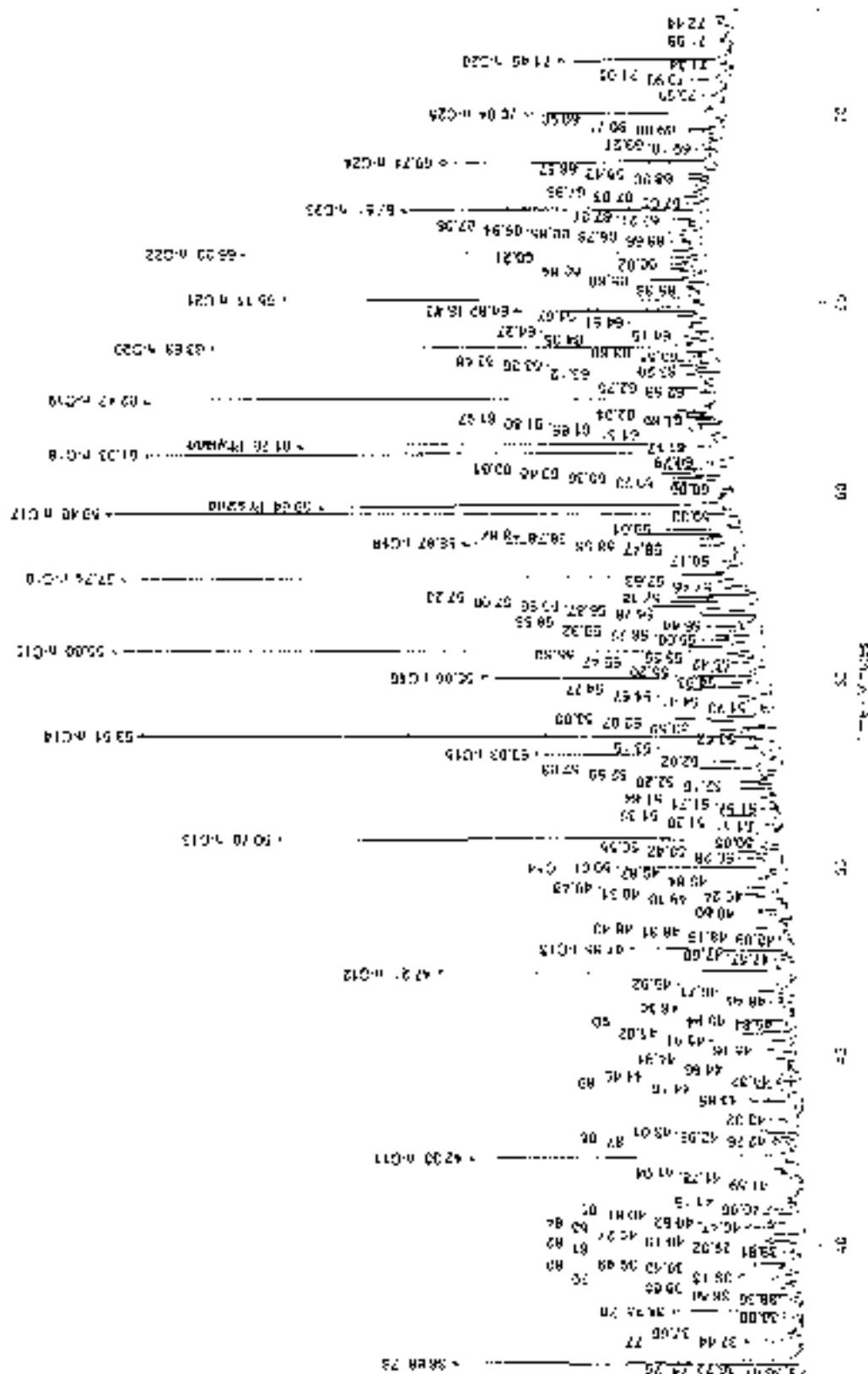
300

200

100

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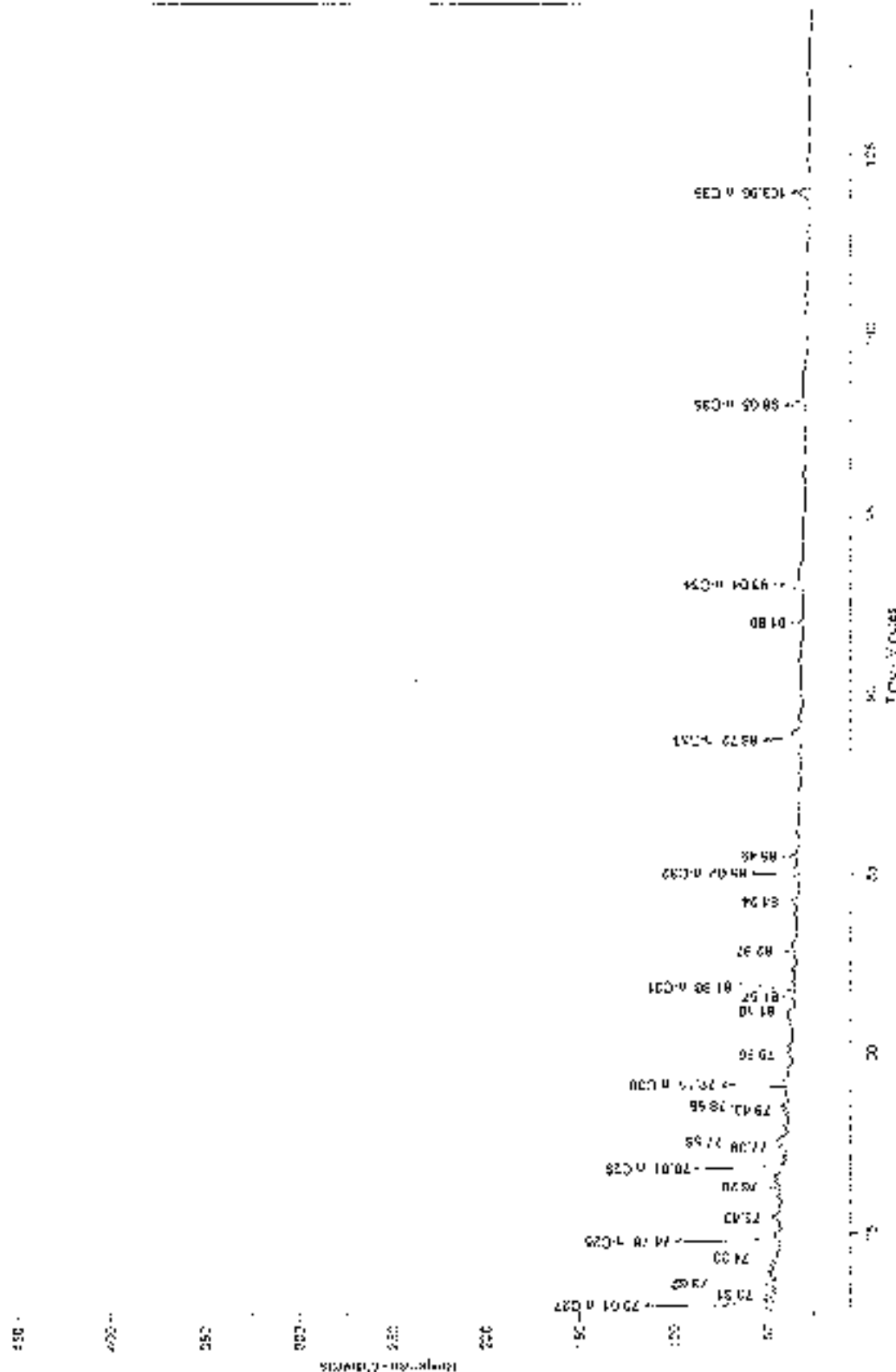
Response (AU) vs. Time (min)



Criterio: Patate: Chromatogram Report

— CoE PSP no2245Jb-V 581:2745012745 3006.3007

DOI: 10.1002/anie.201206427



Chrom Perfect Chromatogram Report

Sample Name = 43660-2 (MW-8) [400+500CS2] + IS F-090913-1

Instrument = Instrument 1

Acquisition Port: = DPM

Heading 1 =

Heading 2 =

Raw File Name = C:\CPSPir\02015\Jan15\012718\012718.0005.RAW

Data Taken (end) = 1/28/2015 2:30:11 AM

Method File Name = C:\CPSPir\00344.mat

Method Version = 44

Calibration File Name = C:\CPSPir\0062014.cal

Calibration Version = 4

Peak Name	Ret. Time	Area %	Area
3	6.08	0.0272	12598.24
8	7.07	0.1725	81888.26
15	7.50	0.3184	151392.80
CS2	8.29	0.2685	127688.40
17	8.40	0.0594	32398.55
18	8.67	0.5656	283111.40
19	10.22	0.5483	259795.60
20	11.04	1.1221	533467.90
25	12.34	0.0204	9702.07
26	12.48	1.0557	501912.00
27	12.70	0.0748	35555.86
28	13.88	0.3869	183549.30
29	14.23	0.0177	8437.33
30	14.46	1.6205	770416.80
31	15.05	0.6244	296257.20
32	15.16	0.3215	161392.70
	15.34	0.1781	84568.74
33	15.62	0.9876	474289.30
	15.84	0.4759	226280.10
34A	15.23	0.4274	203193.70
34B	15.41	0.8433	400951.00
IS #1	17.08	0.5027	277265.10
36	17.29	2.0205	960589.40
37	18.66	3.2486	1544504.00
	18.88	0.3264	153196.40
38	19.48	1.2639	124886.60
39	19.68	0.1586	78646.67
	20.39	1.3263	155140.00
	20.60	0.4679	217587.50
41A	21.38	0.4186	193132.00
	21.55	0.1631	72785.01
42	21.63	1.2209	155516.70
43	21.98	1.0144	462286.80
44	22.38	1.3050	143594.70
45	22.20	0.1463	56718.44
	22.40	0.0481	22676.69
46D	22.50	0.5649	253630.30
46A	22.64	1.0656	516219.70
	22.77	0.3627	172432.70
	23.16	0.1300	61627.73
	23.38	0.1510	76537.27
	23.54	0.1300	53506.21
48	23.53	0.3208	152531.40
	23.99	0.4583	217872.50
49	24.34	1.8713	866860.30
	24.47	0.2801	132165.80
50	24.96	0.0887	33153.52
	25.38	0.0277	12171.04
	25.64	0.0582	28127.89
51	25.95	0.0830	38479.09
	26.37	0.1203	51005.55
52	26.40	1.8179	864312.50
53	26.78	0.7801	361576.90
	26.92	0.1057	50266.89
	27.98	0.6375	17608.18

Chrom Perfect Chromatogram Report

Peak Name	Ret. Time	Area %	Area
	27.15	0.0394	18741.77
54	27.58	1.6700	793988.10
	27.77	0.2487	118238.20
55	28.15	1.5049	715495.20
	28.48	0.0615	29261.64
	28.57	0.1117	53107.87
56	28.67	0.2648	125897.50
57	28.73	0.3638	172956.60
	29.08	0.1251	59457.64
58	29.16	0.4946	235158.70
59	29.25	0.0885	42097.50
60	29.60	0.5493	261165.40
	29.95	0.2210	105090.90
	30.05	0.3930	186841.30
	30.20	0.2167	103014.40
	30.43	0.0824	39159.26
62	30.92	1.4473	688086.20
I.S. #2	31.12	0.4859	231028.20
	31.25	0.3588	170600.70
	31.43	0.0918	43636.94
63	31.67	0.1373	65292.70
64	31.94	0.1952	92788.59
	32.04	0.0972	46223.54
	32.57	0.0831	39497.01
	32.68	0.3008	143027.30
	32.89	0.1154	54877.68
65	33.09	0.5116	243232.00
	33.36	0.0567	26974.17
66	33.54	0.6294	299239.20
	33.76	0.0775	36850.50
67	33.93	0.4076	193764.40
68	34.06	0.3315	157625.50
69	34.37	0.4638	220518.80
	34.60	0.0969	46088.72
70	34.71	0.2856	135772.70
71	34.86	0.1635	77712.24
	34.97	0.1365	64883.25
	35.25	0.2429	115501.80
	35.53	0.0667	31723.26
73	35.86	0.5801	275822.20
	36.01	0.1446	68762.08
	36.10	0.2008	95481.30
	36.34	0.0332	15763.31
74	36.61	0.0428	20363.21
75	36.72	0.0984	46763.52
76	36.88	1.4179	674114.50
77	37.44	0.2988	142064.50
	37.66	0.0350	16617.07
	38.08	0.0676	32148.84
78	38.25	0.4957	235681.50
	38.56	0.0830	39440.75
	38.66	0.1850	87944.40
	38.85	0.1722	81879.80
79	39.13	0.3762	178856.50
	39.40	0.1993	94770.80
80	39.49	0.2675	127186.10
	39.81	0.0907	43129.39
81	39.92	0.2871	136519.00
82	40.10	0.1391	66112.49
	40.27	0.1244	59126.71
83	40.47	0.2960	140744.20
84	40.62	0.1874	89106.74
	40.81	0.1381	65675.70
85	40.96	0.0850	40430.20
	41.16	0.0254	12087.35
	41.59	0.1209	57479.14
	41.78	0.0573	27242.98

Chrom Perfect Chromatogram Report

Peak Name	Ret. Time	Area %	Area	
n-C11	41.94	0.0542	25775.62	
	42.33	1.4050	667984.20	
	87	42.76	0.1444	68638.87
	88	42.86	0.0818	38868.98
	43.01	0.1817	86395.44	
	43.32	0.1292	61421.38	
	43.85	0.3813	181299.00	
	44.16	0.2644	125715.50	
	89	44.32	0.0910	43271.82
	44.49	0.1819	86459.92	
90	44.66	0.0271	12889.48	
	44.94	0.0921	43795.62	
	45.16	0.0520	24713.33	
	45.41	0.1052	49996.59	
	45.62	0.2201	104639.00	
	45.84	0.0592	28145.22	
	45.94	0.1709	81252.70	
	46.30	0.0468	22233.81	
	46.46	0.0291	13840.21	
	46.71	0.2366	112478.00	
n-C12	46.92	0.1164	55323.09	
	47.21	1.1764	559295.10	
i-C13	47.57	0.0674	32037.05	
	47.69	0.0607	28846.25	
	47.85	0.5513	262129.30	
	48.09	0.0227	10776.22	
	48.16	0.0658	31287.12	
	48.31	0.0325	15472.75	
	48.40	0.1544	73419.88	
	48.80	0.0638	30351.60	
	49.16	0.0512	24325.52	
	49.24	0.0940	44711.73	
i-C14	49.31	0.1569	74604.39	
	49.48	0.1489	70807.95	
	49.64	0.3051	145075.50	
	49.87	0.2077	98724.37	
	50.01	0.4168	198148.40	
	50.28	0.2926	139097.70	
	50.42	0.1379	65551.68	
	50.55	0.0838	39819.83	
	50.65	0.0713	33909.00	
	n-C13	50.79	1.6474	783226.80
n-C13	51.11	0.0461	21936.81	
	51.20	0.2795	132881.20	
	51.39	0.2002	95198.98	
	51.57	0.0249	11836.25	
	51.71	0.0483	22950.06	
	51.84	0.0766	36415.96	
	52.16	0.3377	160555.90	
	52.28	0.3349	159226.80	
	52.50	0.1629	77425.99	
	52.63	0.3846	182839.10	
i-C15	52.82	0.2805	133344.70	
	53.03	0.6260	297629.00	
n-C14	53.19	0.1974	93865.24	
	53.42	0.0921	43807.07	
	53.54	2.0147	957841.30	
	53.69	0.1813	86187.35	
	53.87	0.3968	188661.50	
	53.96	0.5963	283483.80	
	54.23	0.0728	34627.67	
	54.41	0.3691	175490.00	
	54.57	0.1438	68359.03	
	54.77	0.6095	289793.80	
i-C16	54.93	0.1676	79704.13	
	55.06	0.8528	405440.90	
	55.20	0.2216	105346.60	

Chrom Perfect Chromatogram Report

Peak Name	Ret. Time	Area %	Area
n-C15	55.42	0.0858	40772.89
	55.47	0.1420	67512.43
	55.59	0.0646	30710.91
	55.69	0.2155	102470.90
	55.80	2.0080	954647.10
	56.06	0.3428	162989.90
	56.22	0.2162	102779.50
	56.32	0.1267	60248.84
	56.44	0.2408	114487.60
	56.56	0.1106	52574.86
	56.76	0.3000	142640.60
	56.87	0.2072	98524.38
	56.96	0.4177	198566.70
	57.08	0.2556	121521.10
	57.18	0.3026	143848.40
	57.23	0.2169	103142.80
n-C16	57.46	0.0836	39752.76
	57.63	0.1106	52588.36
	57.74	1.4069	668900.80
	58.17	0.1685	80100.23
	58.47	0.0421	20010.25
i-C18	58.56	0.2015	95779.27
	58.67	0.7868	374053.30
	58.78	0.2041	97027.68
	58.87	0.2599	123570.60
	59.01	0.1990	94624.98
n-C17 Pristane	59.33	0.0625	29700.04
	59.46	1.3569	645125.40
	59.64	0.9974	474214.20
	60.06	0.0429	20415.50
	60.23	0.3293	156552.60
n-C18	60.36	0.2645	125766.20
	60.48	0.4039	192022.70
	60.61	0.1623	77168.53
	60.78	0.2391	113677.10
	61.03	1.3856	658758.20
Phylane	61.17	0.0969	46089.60
	61.26	1.0340	491621.30
	61.51	0.0417	19815.03
	61.65	0.2965	140979.20
	61.80	0.0644	30604.05
n-C19	61.89	0.0579	27507.17
	61.97	0.1349	64147.66
	62.04	0.3546	168592.90
	62.47	1.5285	726704.20
	62.66	0.0547	26007.29
n-C20	62.75	0.1309	62224.22
	63.12	0.2343	111379.20
	63.20	0.0965	45888.53
	63.36	0.1600	76086.72
	63.48	0.1303	61925.26
n-C21	63.58	0.1120	53247.80
	63.69	0.1681	79935.20
	63.83	1.3269	630866.20
	64.05	0.0732	34824.32
	64.15	0.1240	58974.56
IS #3 n-C22	64.27	0.0409	19442.53
	64.51	0.0422	20074.18
	64.67	0.1151	54701.63
	64.82	0.4034	191812.70
	65.11	1.0177	483841.20
n-C22	65.36	0.0228	10816.20
	65.60	0.2131	101314.10
	65.84	0.0874	41532.09
	66.02	0.1613	76673.48
	66.21	0.1734	82461.38
	66.33	1.1149	530046.10

Chrom Perfect Chromatogram Report

Peak Name	Ret. Time	Area %	Area
n-C23	66.66	0.1802	85688.24
	66.78	0.0911	43326.71
	66.85	0.1814	86222.50
	66.94	0.0860	40875.34
	67.08	0.1587	75429.05
	67.21	0.0893	42438.10
	67.31	0.0864	41090.34
	67.51	0.8083	384303.40
	67.65	0.0743	35317.40
	67.83	0.1069	50834.39
	67.96	0.0756	35928.34
	68.30	0.0586	27866.04
n-C24	68.42	0.1114	52959.53
	68.57	0.0492	23389.63
	68.74	0.6912	328596.00
	69.10	0.0728	34592.89
	69.21	0.1276	60643.61
	69.60	0.2444	116180.30
n-C25	69.71	0.1048	49838.57
	69.90	0.0358	17004.33
	70.04	0.5260	250065.80
	70.53	0.0253	12018.55
	70.93	0.2048	97371.65
n-C26	71.09	0.1066	50693.38
	71.34	0.0296	14087.06
	71.45	0.4800	228194.50
	71.98	0.0583	27737.13
n-C27	72.44	0.1014	48220.92
	73.01	0.5370	255329.90
	73.31	0.0736	34990.79
n-C28	73.62	0.0650	30921.77
	74.33	0.0730	34689.56
	74.78	0.4364	207492.20
n-C29	75.43	0.0968	46000.17
	76.29	0.0504	23939.87
	76.81	0.4306	204717.30
n-C30	77.39	0.0659	31336.44
	77.56	0.1466	69677.88
	78.43	0.0308	14644.98
	78.56	0.0631	29979.08
n-C31	79.15	0.3679	174921.00
	79.96	0.0550	26151.76
	81.18	0.1443	68604.77
n-C32	81.57	0.0632	30044.25
	81.86	0.3920	186373.90
	82.87	0.0839	39900.07
n-C33	84.24	0.0675	32089.34
	85.02	0.3799	180605.80
	85.49	0.1319	62724.73
n-C34	88.72	0.3946	187613.20
	91.99	0.0540	25676.69
n-C35	93.04	0.4412	209781.80
n-C36	98.05	0.1976	93943.20
	103.96	0.1684	80055.70

Total Area = 4.754332E+07

Total Height = 1.392742E+07

Total Amount = 0

1/27/2015

ZymaX ID 43860-3
Sample ID EW-2

Evaporation

n-Pentane / n-Heptane 0.07
2-Methylpentane / 2-Methylheptane 0.25

Waterwashing

Benzene / Cyclohexane 0.09
Toluene / Methylcyclohexane 0.02
Aromatics / Total Paraffins (n+iso+cyc) 0.43
Aromatics / Naphthenes 1.35

Biodegradation

(C4 + C8 Para + Isopara) / C4 - C8 Olefins 0.00
3-Methylhexane / n-Heptane 0.58
Methylcyclohexane / n-Heptane 2.21
Isoparaffins + Naphthenes / Paraffins 2.59

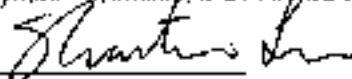
Octane rating

2,2,4,-Trimethylpentane / Methylcyclohexane 0.00

Relative percentages - Bulk hydrocarbon composition as PIANO

% Paraffinic 19.43
% Isoparaffinic 28.06
% Aromatic 30.17
% Naphthenic 22.35
% Olefinic 0.00

Submitted by,
Zymax Forensics, a DPRAC Company



Shan-Tan Lu, Ph.D.
Director of Forensic Geochemistry

1/27/2016

ZymaX ID
Sample ID

43860-3
EW 2

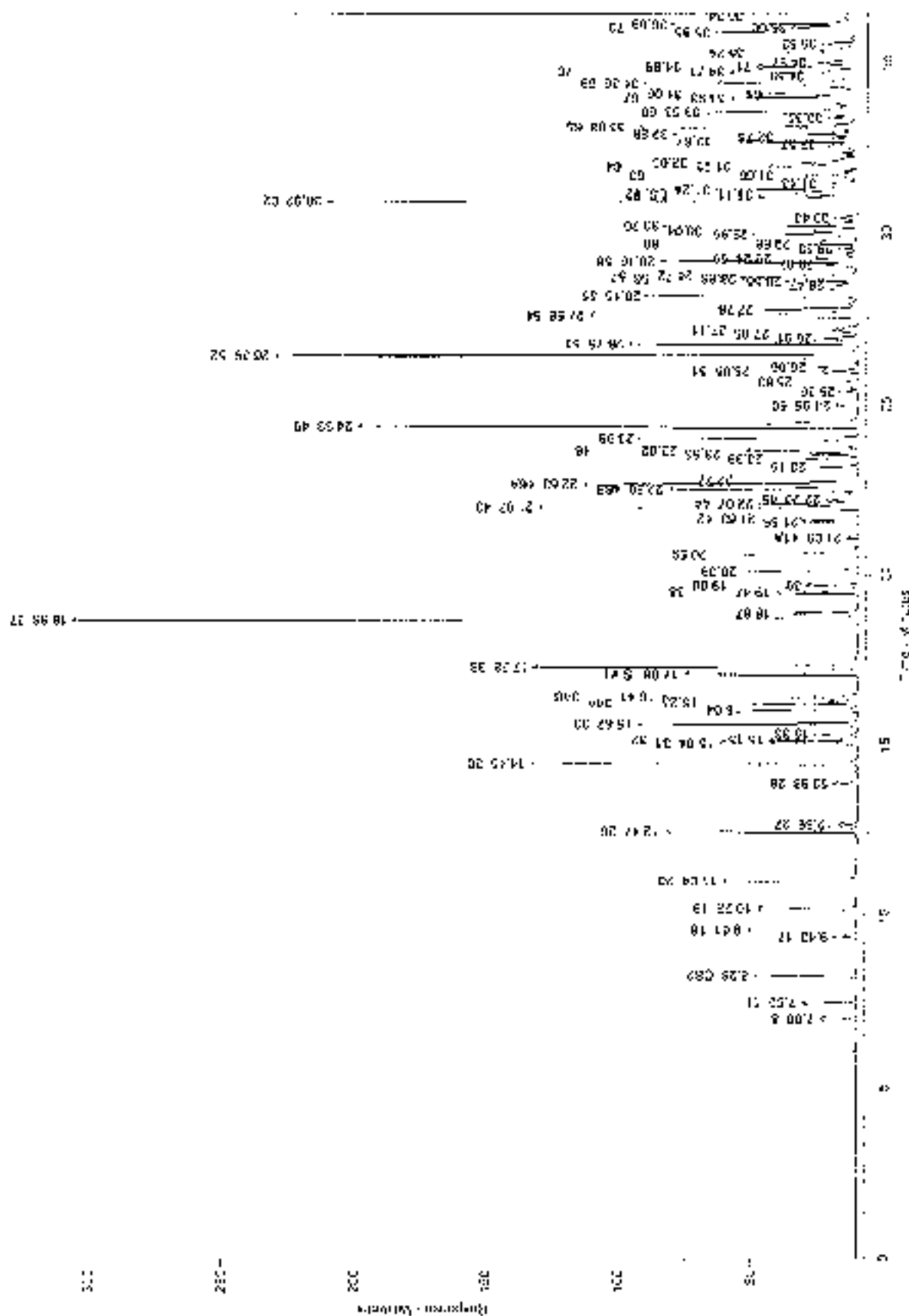
		Relative Area %
1	Propane	0.00
2	Isobutane	0.00
3	Isobutane	0.00
4	Butane/Methanol	0.00
5	trans-2-Butene	0.00
6	cis-2-Butene	0.00
7	3-Methyl-1-butene	0.00
8	isopentane	0.13
9	1-Pentene	0.00
10	2-Methyl-1-butene	0.00
11	Pentane	0.24
12	trans-2-Pentene	0.00
13	cis-2-Pentene/3-Pentanol	0.00
14	2-Methyl-2-butene	0.00
15	2,2-Dimethylbutane	0.00
16	Cyclopentane	0.00
17	2,3-Dimethylbutane/MTBE	0.21
18	2-Methylpentane	0.70
19	3-Methylpentane	0.88
20	Hexane	1.08
21	trans-2-Hexene	0.00
22	3-Methylcyclopentene	0.00
23	3-Methyl-2-pentene	0.00
24	cis-2-Hexene	0.00
25	3-Methyl-trans-2-pentene	0.00
26	Methylcyclopentane	1.53
27	2,4-Dimethylpentane	0.12
28	Benzene	0.26
29	5-Methyl-1-hexene	0.00
30	Cyclohexane	2.80
31	2-Methylhexane/TAME	1.14
32	2,3-Dimethylpentane	0.77
33	3-Methylhexane	1.95
34A	1-trans-3-Dimethylcyclopentane	0.88
34B	1-cis-3-Dimethylcyclopentane	1.78
35	2,2,4-Trimethylpentane	0.30
LS #1	3,3,5-Trimethylfluorene	0.00

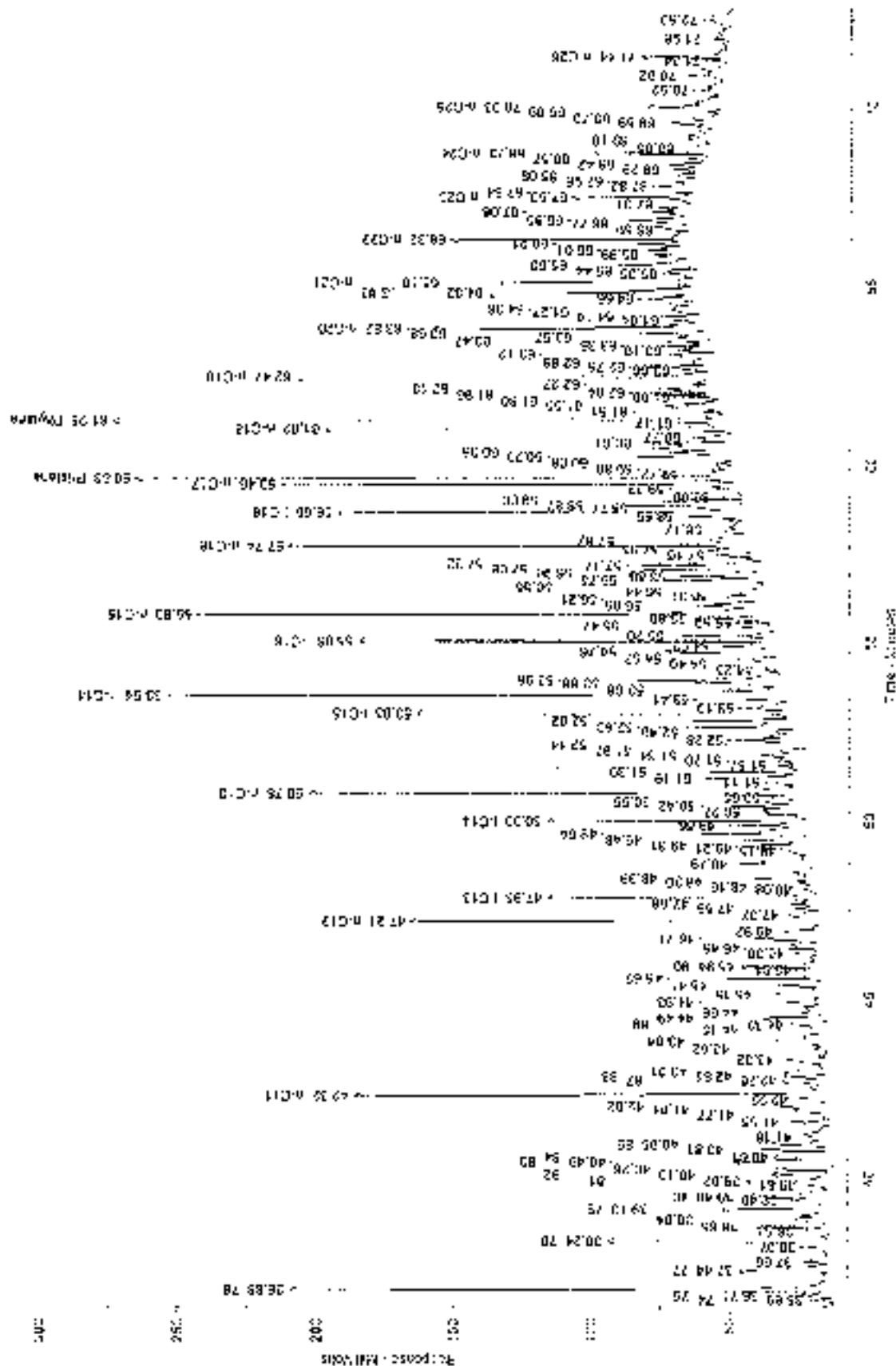
1/27/2015

ZymaX ID		43860-3
Sample ID		EW-2
		Relative Area %
36	n-Heptane	3.36
37	Methylcyclohexane	7.42
38	2,5-Dimethylhexane	1.08
39	2,4-Dimethylhexane	0.46
40	2,3,4-Trimethylpentane	0.00
41	Toluene/2,3,3-Trimethylpentane	0.11
42	2,3-Dimethylhexane	0.64
43	2-Methylheptane	2.63
44	4-Methylheptane	0.89
45	3,4-Dimethylhexane	0.42
46A	3-Ethyl-3-methylpentane	3.32
46B	1,4-Dimethylcyclohexane	1.77
47	3-Methylheptane	0.00
48	2,2,5-Trimethylhexane	0.98
49	n-Octane	4.46
50	2,2-Dimethylheptane	0.21
51	2,4-Dimethylheptane	0.29
52	Ethylcyclohexane	6.16
53	2,6-Dimethylheptane	2.70
54	Ethylbenzene	3.67
55	m+p Xylenes	4.37
56	4-Methyloctane	0.98
57	2-Methyloctane	1.32
58	3-Ethylheptane	1.85
59	3-Methyloctane	0.32
60	o-Xylene	0.40
61	n-Nonane	0.00
62	n-Nonane	4.97
63 #2	o-Bromofluorobenzene	0.00
63	Isopropylbenzene	0.39
64	3,3,5-Trimethylheptane	0.75
65	2,4,5-Trimethylheptane	2.10
66	n-Propylbenzene	2.22
67	1-Methyl-3-ethylbenzene	1.33
68	1-Methyl-4-ethylbenzene	1.19
69	1,3,5-Trimethylbenzene	1.91
70	3,3,4-Trimethylheptane	1.21

1/27/2015

ZymaX ID		43860-3
Sample ID		EW-2
		Relative Area %
71	1-Methyl-2-ethylbenzene	0.73
72	3-Methylcyclohexane	0.00
73	1,2,4-Trimethylbenzene	0.02
74	Isobutylbenzene	0.18
75	sec-Butylbenzene	0.37
76	n-Decane	5.32
77	1,2,3-Trimethylbenzene	0.84
78	Indan	2.16
79	1,3-Diethylbenzene	1.61
80	1,4-Diethylbenzene	1.33
81	n-Butylbenzene	1.11
82	1,3-Dimethyl-5-ethylbenzene	0.50
83	1,4-Dimethyl-2-ethylbenzene	1.28
84	1,3-Dimethyl-4-ethylbenzene	0.79
85	1,2-Dimethyl-4-ethylbenzene	0.54
86	Undecene	0.00
87	1,2,4,5-Tetramethylbenzene	0.67
88	1,2,3,5-Tetramethylbenzene	0.37
89	1,2,3,4-Tetramethylbenzene	0.39
90	Naphthalene	0.72
91	2-Methyl-naphthalene	0.00
92	1-Methyl-naphthalene	0.00





Chromatogram Report

C:\ProgramData\ZyngaX\150612715\W12715.0326.BVD

40065-8 (5/6/21) [400+530-520] - 8 F-49231S-1

200

200

200

200

Response (mV)



Chrom Portect Chromatogram Report

Sample Name = 43880-3 [EW-2] [400+600C52] + IS F-000013-1

Instrument = Instrument: 1

Acquisition Port = GPW

Heading 1 =

Heading 2 =

Raw File Name = C:\CPSPir\02016\Jas15\012715\012715-0006.RAW

Date Taken (end) = 1/23/2015 4:38:06 AM

Method File Name = C:\CPSPir\00344.met

Method Version = 41

Calibration File Name = C:\CPSPir\0062014.cal

Calibration Version = 4

Peak Name	Ret. Time	Area %	Area
8	7.00	0.0449	17425.15
1*	7.50	0.0606	31667.04
CS2	8.26	0.2704	155572.70
17	8.40	0.0719	28115.50
18	8.61	0.2369	82305.35
19	10.22	0.2287	68195.02
20	11.04	0.3543	142301.70
26	12.47	0.5151	201315.30
27	12.69	0.0411	16064.19
28	13.98	0.0000	34388.96
30	14.45	0.9121	368235.60
31	15.04	0.0001	149743.10
32	15.15	0.2596	101525.20
	15.33	0.1212	47355.46
33	15.82	0.6567	256665.50
	16.04	0.3216	125767.50
34A	16.23	0.2569	106034.40
34B	16.41	0.6006	234780.90
IS #1	17.08	0.5592	213545.10
36	17.26	1.1314	442190.00
37	18.66	2.5003	977253.70
	18.97	3.2653	111500.60
38	19.47	3.0603	111888.60
39	19.68	3.1555	60776.00
	20.08	3.3904	152597.50
	20.59	3.4316	168675.20
41A	21.00	3.0587	15115.29
	21.55	3.1493	66786.16
42	21.93	3.2140	63633.32
43	21.37	3.9529	372439.30
44	22.37	3.2965	117057.20
45	22.20	3.1413	56220.03
46B	22.50	0.5970	233553.90
46A	22.63	1.1195	437542.30
	22.77	3.3796	148532.50
	23.15	0.1574	52696.71
	23.38	0.1628	64019.62
	23.53	0.1586	54162.43
48	23.62	0.3362	129059.60
	23.98	0.5000	195419.60
49	24.33	1.5020	587275.70
50	24.95	0.6716	27960.20
	25.38	0.0317	12406.74
	25.63	0.0667	26069.60
51	25.95	0.0980	38302.13
	26.06	0.1466	58438.08
52	26.30	2.6762	511479.60
53	26.75	0.8102	356759.20
	26.91	0.1211	51245.19
	27.05	0.0451	17828.98
	27.14	0.0476	18580.04
54	27.58	1.2353	482759.50
	27.76	0.2933	114636.70
55	28.15	1.4737	575962.60
	28.47	0.0758	25618.43

Chrom Perfect Chromatogram Report

Peak Name	Ret. Time	Area %	Area
	28.56	0.1343	52487.57
56	28.66	0.3311	129423.50
57	28.72	0.4462	174380.00
	29.07	0.1627	63571.84
58	29.16	0.6238	243818.60
59	29.24	0.1082	42300.10
	29.53	0.0452	17668.83
60	29.68	0.1342	52440.36
	29.95	0.2704	105682.70
	30.04	0.4993	195165.60
	30.20	0.2767	108134.60
	30.43	0.1035	40443.71
62	30.92	1.6739	654254.90
I.S. #2	31.11	0.4583	179110.70
	31.24	0.4230	165321.40
	31.43	0.0871	34058.79
63	31.66	0.1310	51192.19
64	31.93	0.2517	98381.16
	32.03	0.1305	51004.75
	32.57	0.1136	44390.97
	32.67	0.3986	155787.90
	32.78	0.0775	30283.63
	32.88	0.1506	58872.16
65	33.08	0.7068	276240.30
	33.35	0.0816	31874.17
66	33.53	0.7465	291763.10
67	33.93	0.4482	175166.70
68	34.06	0.4005	156517.00
69	34.36	0.6423	251039.50
	34.59	0.1381	53968.32
70	34.71	0.4060	158700.40
71	34.86	0.2470	96554.59
	34.97	0.0843	32954.97
	35.24	0.3464	135376.90
	35.53	0.0968	37824.00
	35.85	0.7380	288457.40
73	36.00	0.2090	81669.60
	36.09	0.3166	123760.20
	36.34	0.1160	45346.60
74	36.60	0.0605	23628.05
75	36.71	0.1252	48945.27
76	36.88	1.7924	700571.20
77	37.44	0.2826	110456.80
	37.66	0.0506	19785.68
	38.07	0.0991	38714.32
78	38.24	0.7265	283969.60
	38.53	0.1224	47832.26
	38.65	0.2699	105489.20
	38.84	0.2546	99495.34
79	39.13	0.5428	212156.50
	39.40	0.2787	108910.40
80	39.49	0.4487	175389.00
	39.81	0.1270	49646.88
81	39.92	0.3727	145673.40
82	40.10	0.2000	78172.34
	40.26	0.1839	71874.84
83	40.46	0.4328	169139.10
84	40.61	0.2654	103744.00
	40.81	0.2023	79062.25
85	40.95	0.1835	71725.63
	41.16	0.0375	14644.33
	41.58	0.1760	68795.62
	41.77	0.1146	44806.38
	41.94	0.2179	85163.78
	42.02	0.2571	100487.40
	42.22	0.1150	44952.82
n-C11	42.32	1.6837	658053.30

Chrom Perfect Chromatogram Report

Peak Name	Ret. Time	Area %	Area
87	42.76	0.2256	88182.02
88	42.85	0.1253	48970.36
	43.01	0.2683	104861.90
	43.32	0.1941	75860.23
	43.62	0.0743	29054.58
	43.84	0.4723	184601.50
	44.15	0.3825	149481.50
89	44.32	0.1328	51922.56
	44.49	0.2681	104777.00
	44.66	0.0405	15846.34
	44.93	0.1199	46860.70
	45.15	0.3675	143651.10
	45.41	0.1703	66562.53
	45.62	0.2522	98555.02
	45.84	0.0710	27766.96
90	45.94	0.2437	95251.21
	46.30	0.0675	26384.79
	46.45	0.0415	16221.27
	46.71	0.3362	131398.10
	46.92	0.1656	64712.57
n-C12	47.21	1.2578	491607.80
	47.37	0.1872	73169.30
	47.56	0.0981	38328.44
	47.68	0.0888	34724.08
i-C13	47.85	0.7834	306184.60
	48.08	0.0333	13034.25
	48.16	0.0950	37136.16
	48.30	0.0474	18509.59
	48.39	0.2176	85061.74
	48.79	0.0904	35327.17
	49.15	0.0712	27832.22
	49.24	0.1302	50904.93
	49.31	0.2588	101139.60
	49.48	0.2085	81476.30
	49.64	0.4114	160788.60
	49.86	0.2895	113142.80
i-C14	50.00	0.5840	228273.30
	50.27	0.4497	175773.60
	50.42	0.2372	92721.88
	50.55	0.1782	69651.16
	50.65	0.1666	65115.61
n-C13	50.78	1.6166	631844.10
	51.11	0.0894	34946.36
	51.19	0.4439	173480.50
	51.39	0.3337	130429.20
	51.57	0.0670	26171.41
	51.70	0.1450	56671.57
	51.84	0.2168	84728.34
	51.97	0.0918	35881.61
	52.14	0.3682	143900.40
	52.28	0.1364	53297.06
	52.49	0.1449	56647.23
	52.63	0.4108	160577.50
	52.82	0.3492	136490.60
i-C15	53.03	0.7983	312007.30
	53.19	0.3207	125340.70
	53.41	0.1006	39329.84
n-C14	53.54	1.8245	713100.10
	53.68	0.2106	82317.46
	53.86	0.4659	182101.60
	53.96	0.7060	275922.10
	54.23	0.0660	25788.27
	54.40	0.4242	165781.80
	54.57	0.1695	66252.68
	54.76	0.7387	288716.00
	54.93	0.1952	76309.81
i-C16	55.06	1.0517	411067.80

Chrom Perfect Chromatogram Report

Peak Name	Ret. Time	Area %	Area
n-C15	55.20	0.3235	126426.10
	55.47	0.2728	106611.50
	55.59	0.0756	29537.15
	55.69	0.2723	106444.60
	55.80	1.7473	682910.30
	56.05	0.4187	163636.20
	56.21	0.2716	106155.80
	56.31	0.2204	86129.17
	56.44	0.2524	98630.50
	56.56	0.1375	53724.97
	56.75	0.3754	146710.20
	56.86	0.2593	101347.20
	56.96	0.5183	202572.20
	57.08	0.4058	158589.30
	57.17	0.3001	117304.80
	57.22	0.2440	95382.70
	57.46	0.2014	78728.47
n-C16	57.63	0.2765	108076.70
	57.74	1.1012	430399.70
	57.87	0.3554	138900.50
	58.17	0.1095	42794.98
i-C18	58.55	0.2724	106482.70
	58.66	0.9827	384066.80
	58.77	0.2313	90407.18
	58.87	0.2849	111355.40
	59.00	0.2268	88650.85
n-C17 Pristane	59.09	0.0781	30520.89
	59.33	0.0819	32014.37
	59.46	0.8987	351263.20
	59.63	1.2733	497684.30
	59.72	0.1025	40067.52
	59.89	0.0277	10821.75
	60.06	0.0406	15887.59
	60.23	0.3905	152633.90
	60.36	0.2810	109817.70
	60.61	0.5420	211830.50
n-C18	60.77	0.1320	51587.34
	61.02	0.8739	341550.30
	61.17	0.1055	41215.58
Phytane	61.25	1.2684	495739.80
	61.51	0.0526	20552.51
	61.65	0.3598	140637.40
	61.80	0.0824	32198.09
	61.89	0.0684	26731.94
	61.96	0.1420	55508.68
	62.04	0.1539	60140.83
	62.13	0.2807	109705.80
n-C19	62.27	0.1413	55242.58
	62.47	1.2018	469731.20
	62.66	0.1151	44982.36
	62.75	0.2193	85694.77
	62.86	0.1270	49648.38
	63.12	0.2921	114158.30
	63.19	0.1119	43753.84
	63.35	0.1204	47038.91
	63.47	0.1383	54065.97
	63.57	0.1360	53170.41
n-C20	63.68	0.2139	83603.11
	63.82	0.7575	296070.50
	64.04	0.0851	33262.92
	64.14	0.1510	59010.74
	64.27	0.0587	22949.04
	64.36	0.1153	45055.17
IS #3 n-C21	64.66	0.1519	59381.66
	64.82	0.7944	310471.50
	65.10	0.4672	182597.10
	65.35	0.0929	36294.13

Chrom Perfect Chromatogram Report

Peak Name	Ret. Time	Area %	Area
n-C22	65.44	0.1311	51230.50
	65.60	0.3428	133974.90
	65.89	0.1826	71387.72
	66.01	0.2178	85123.91
	66.21	0.1064	41604.97
	66.32	0.4453	174041.50
	66.59	0.0302	11792.23
	66.77	0.0803	31365.85
	66.85	0.1980	77382.95
	67.08	0.2157	84301.45
n-C23	67.31	0.0963	37649.31
	67.50	0.3249	126996.90
	67.64	0.1046	40863.34
	67.82	0.1507	58900.56
	67.95	0.1405	54912.96
	68.09	0.1438	56210.68
	68.29	0.1193	46640.39
	68.42	0.1721	67250.27
	68.57	0.0608	23754.83
	68.73	0.2528	98819.72
n-C24	68.86	0.0510	19937.67
	69.10	0.0456	17834.76
	69.59	0.2471	96563.05
	69.70	0.0932	36420.33
	69.89	0.0338	13221.96
	70.03	0.1458	56976.82
	70.52	0.0522	20383.83
	70.92	0.0813	31760.98
	71.34	0.0384	15022.52
	71.44	0.1855	72486.08
n-C26	71.96	0.0594	23227.01
	72.50	0.1073	41953.41
	73.01	0.2783	108760.00
	73.31	0.0872	34077.07
	73.61	0.0946	36977.44
	73.92	0.1179	46085.77
	74.33	0.1055	41226.65
	74.77	0.1990	77784.29
	75.43	0.1057	41328.41
	76.29	0.0742	29016.81
n-C27	76.42	0.0836	32677.67
	76.80	0.2756	107705.80
	77.38	0.0755	29491.94
	77.54	0.1631	63728.88
	78.42	0.0217	8479.09
	78.91	0.1225	47886.61
	79.14	0.2666	104182.00
	79.55	0.0622	24305.18
	79.96	0.0552	21568.10
	81.85	0.3869	151214.70
n-C31	82.87	0.0903	35304.70
	84.22	0.0658	25708.56
	85.02	0.2910	113735.20
	85.48	0.0792	30942.87
	86.16	0.0390	15228.81
	88.71	0.1911	74693.38
	89.36	0.0535	20908.43
	91.97	0.0689	26925.83
	93.02	0.2298	89834.30
	98.05	0.1737	67887.98
n-C35	103.95	0.1476	57695.16

Total Area = 3.908472E+07

Total Height = 1.063256E+07

Total Amount = 0



Alliance

3233 W 11th St #1000
Houston, TX 77008
713-863-0000 PH
713-863-1004 FAX

INVOICE

DATE:	05/12/15	DUE DATE	NET 120 DAYS
INVOICE	950 - 6296	JOB #	15017-1
P.O. #	40-76988	CRA Job #	75017

BILLED TO	Conestoga Rovers & Associates, Inc.		
ATTN:	Accounts Payable	CC:	Moshghan Mansoori
ADDRESS	2055 Niagara Falls Blvd., Ste. 3	1755 Wittington Place, Suite 500	
	Niagara Falls, NY 14304	Dallas, TX 75234	

SITE NAME	Line NM1-1
ADDRESS	Hobbs, New Mexico

SCOPE OF WORK:	8 hr	Mobile Dual Phase Extraction
	Date:	21-Apr-15
	Event #:	1

LINE ITEMS:	DESCRIPTION	TOTAL
	MDPE Equipment and Personnel	\$3,600.00
	MOB	\$1,850.00
	Tedlar Bags	\$24.00

SUBTOTAL	\$ 5,474.00
TAX	
TOTAL	\$ 5,474.00

INVOICE WORKSHEET

DATE: 12-May-15

DEPT 950

W/O # _____

JOB # 15017-1

PO # 40-76988

BILLED TO Conestoga Rovers & Associates, Inc.

ATTN: Accounts Payable CC: Moshqan Mansoori

ADDRESS	2055 Niagara Falls Blvd., Ste. 3	1755 Wittington Place, Suite 500
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Niagara Falls, NY 14304 Dallas, TX 75234

SITE NAME Line NM1-1

ADDRESS	Hobbs, New Mexico
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SCOPE OF WORK: 8 hr Mobile Dual Phase Extraction

Date 21-Apr-2015

Event #	1
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LINE ITEMS:

DESCRIPTION

TOTAL

MDPE Equipment and Personnel	\$ 3,600.00
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MOB	\$ 1,850.00
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Tedlar Bags	\$	24.00
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1. *Journal of the American Medical Association*, 1997; 277: 1039-1043.

SUBTOTAL	\$ 5,474.00
-----------------	-------------

TAX

TOTAL _____

SPECIAL INSTRUCTIONS: _____

Alliance Maintenance & Services, Inc.
713-863-0000 ext. 102
3233 West 11th Street, Suite 1000
Houston, Texas 77008

Approval Authorization
for MDPE Event

Client Address Conestoga-Rovers Associates
Moshghan Mansoori
1755 Wittington Place, Suite 500
Dallas, Texas 75234

Client Project Number

AMS Project Number 15017-1

Facility Address see map

Facility Name Line NM1-1

Start Date 21 – 22 April 2015

Field Contact Denver Lake 281-830-2784 Alliance Maintenance & Services, Inc.

Scope: Mobile Enhanced Vacuum Recovery (EVR) or Mobile Dual Phase Extraction

Alliance will provide all necessary equipment and personnel required to perform EVR or MDPE on the following wells:

Extraction Wells

See work order or onsite rep

- Number of hours in operation
- Alliance to provide holding tank
- CRA to coordinate fluid pick up
- Alliance will gage wells prior to, and after event.
- Alliance will take influent vapor and/or effluent vapor samples upon request.
- \$1350.00 Field Personnel for 8 hrs
- \$450.00 Personnel each additional hr over 8hrs
- \$2250.00 DPE Equipment
- \$1850.00 MOB
- \$12.00/each Tedlar Bags (7)
- Direct Bill waste
- Direct Bill Pace Analytical

2 – 10 hrs possible

Beginning	1 influent TPH + Effluents (BTEX/TPH)
Midpoint	1 influent TPH/BTEX
Ending	1 influent TPH

Wells
NW-1
RW-1
NW-3
NW-4
RW-4
EW-1
RW-2
RW-3
NW-6
SVE-4/NW-8

Accepted by:

CRA
(Company Name)

Moshghan Mansoori
(Printed Name)

[Signature]
(Signature)

4-15-15
(Date)



May 12, 2015

Ms. Moshghan Mansoori
Conestoga-Rovers Associates
2270 Spring Lake Road, Suite 800
Dallas, Texas 75234

**Re: Mobile Enhanced Vacuum Recovery (EVR)
Event # 1**

Facility Name:	Line NM1-1
Facility Address:	Hobbs, New Mexico
Date of Service:	April 21, 2015
Estimate of product in liquid form:	measured at end of second day
Estimate of product in vapor form:	7 Gallons (43 pounds)
Estimate of total fluids removed:	765 Gallons
TOTAL PRODUCT (VAPOR AND LIQUID)	<u>7 Gallons and 43 pounds</u>

Dear Ms. Mansoori:

In response to your Request for Services, Alliance Maintenance & Services, Inc. performed one 8 hr Mobile Dual Phase Extraction (MDPE) event at the above referenced site on April 21, 2015. The MDPE events were conducted using the OXY-VAC system of vacuum pumps with a thermal oxidizer having destruction efficiency rating of 99.9 percent. This letter serves to report on field activities and the results of the MDPE event.

The MDPE event began with measuring the depths to water and phase-separated hydrocarbons (PSH) in monitoring wells using an interface probe. Groundwater measurements, before and after the event, can be found in Table 1. No wells onsite were sealed to measure vacuum or pressure during event. The extraction wells (SVE-4, MW-6, EW-1, RW-2, RW-3 and RW-4) (pulled from intermittently dependent upon onsite instructions) were fitted with a wellhead adapter and vacuum drop tubes. The drop tubes are used to remove fluids from the well and are placed in the known smear zone or the PSH-air interface measured at the beginning of field activities. Vacuum hoses are attached between the vacuum pumps and the well head adapters and monitored via gauges mounted on the well adapters. Vacuum and flow are adjusted to optimally remove PSH and vapor from the extraction wells. Equipment parameters are presented in Table 2. Influent and effluent contaminant concentrations are recorded at regular intervals during the MDPE event. These field parameters are presented in Table 3. The vacuum and/or pressure in each monitored well are also measured at regular intervals; those readings are presented in Table 4. Table 5 presents an MDPE event summary that includes the amount of vapor, PSH and total fluids removed during the event.

Alliance Maintenance & Services, Inc.

3233 W. 11th, Suite 1000 • Houston, Texas 77008 • 713-863-0000 • 713-863-1004 Fax

At the P66 Line NMI-1 site, approximately 765 gallons of total fluids were removed from the wells at the site including 7 gallons (43 pounds) vapor form hydrocarbons.

During the field activities, there were six wells (SVE-4, MW-6, RW-2, RW-3, RW-4 and EW-1) with an accumulated thickness of 17.72 feet PSH. The well names and fluid levels are noted in Table 1.

Although best efforts are used in field sampling and testing, controlled laboratory testing is the most accurate method of determining contaminant concentrations in air and fluids removed from the extraction wells. Alliance uses vapor sample results and a formula recommended by the TCEQ to convert vapor concentrations to liquid volume.

We appreciate the opportunity to be of service to Conestoga-Rovers Associates. If you have any questions regarding the data included herein, please contact me at 713-863-0000, extension 102. I look forward to working with you on the next MDPE project.

Sincerely,



Leslie Loveless

Alliance Maintenance & Services, Inc.

Table 1

Depths to Groundwater
Alliance Maintenance and Services, Inc.

Facility Name		Line NM1-1		Event Date		21-Apr-15					
Facility Address		Hobbs, New Mexico		Project Number		15017-1					
TIME:		Before Start of Event				End of Event				End of Event	
Well ID #	Depth to PSH from TOC.	Depth of Water from TOC.	PSH. Thickness	Well Diameter	Stinger Depth		Depth to PSH from TOC.	PSH. Thickness	Water Ending Difference	PSH. Ending Difference	
SVE-4/MW-8	41.12	41.89	0.77	2"	42.50'		42.50	0.00	0.61	-0.77	
MW-6	40.67	42.65	1.98	2"	42.50'		42.50	0.00	-0.15	-1.98	
RW-3	41.58	44.64	3.06	6"	60'		45.50	0.00	0.86	-3.06	
EW-1	38.32	43.56	5.24	6"	50'		45.00	0.00	1.44	-5.24	
RW-2	42.21	45.24	3.03	6"	60'		46.00	0.00	0.76	-3.03	
RW-4	42.18	45.82	3.64	6"	60'		46.50	0.00	0.68	-3.64	
										0.00	
										17.72	

Table 2

Equipment Operation

Alliance Maintenance and Services, Inc.

Facility Name	Line NM1-1				Event Date		21-Apr-15		LPST #	
Facility Address	Hobbs, New Mexico				Event Number		15017-1		Facility ID	
Test Time	Thermox		Influent Vapor Temp	Influent Vacuum Pressure	Diff Pressure	Therm-Ox. Burn Temp	External Fuel Use % of Tank	External Fuel Use % of Tank		
24 hr. Clock	Hr. meter		Degrees F	Inches Hg	Inches WC	Fahrenheit	Propanant1	Propanant2		
8:30								90%		
9:30			71	22.5	0.26	1413	85%			
10:15			79	24.0	1.91	1417	81%			
10:30			83	22.5	3.09	1422	80%			
11:30			91	22.0	3.43	1414	76%			
12:30			89	22.0	3.56	1419	74%			
13:30			85	20.5	1.78	1418	72%			
14:30			86	21.5	0.49	1421	68%			
15:00			88	21.5	0.51	1414	65%			
15:30			87	21.0	1.18	1432	63%			
16:30			82	20.5	1.23	1425	59%			
17:30			81	20.5	1.31	1416	58%			
Average per Hr.			83.82	21.68	1.70	1419.18	32%			

observed

Start Time	Shut Down Time	Thermox Run Time
8:30	17:30	8 hrs

Cumulative Run Time 8 hrs

Table 3
Field Parameters
Alliance Maintenance and Services, Inc.

Facility Name	Line NM1-1	Event Date	21-Apr-15	LPST #	0
Facility Address	Hobbs, New Mexico	Event Number	15017-1	Facility ID	0
Test Time	Test Wells at Sample Ports ((PPM) at well head))				
	SVE-4/MW-8	MW-6 / RW-3	EW-1	RW-2 / RW-4	Total Product Pumped Siphoned
	PPM	PPM	PPM	PPM	Gal in Tank
8:30	50,000				0.0
8:45	50,000				0.0
9:30		50,000			0.0
10:30			50,000		0.0
11:30	50,000	50,000	50,000		0.0
12:30	50,000	50,000	50,000		0.0
13:30			50,000		0.0
14:30				50,000	0.0
15:00				50,000	0.0
15:30			50,000	50,000	0.0
16:30				50,000	0.0
17:30			50,000	50,000	0.0
MicroFID maximum detection limit is 50,000 ppm. Entries noted as 50,000 represent recordings in excess of maximum detection limits.					0
					765

Notes	
7:00	On site. Open all wells. Tailgate safety meeting. Measure fluid levels in wells. Cap observation wells. Set up on extraction wells.
8:30	Start MDPE event. Calibrate instruments.
9:30	Field parameters.
10:15	Field parameters.
10:30	Field parameters.
11:30	Field parameters. Collect influent and effluent vapor samples for lab.
12:30	Field parameters. Stop, Shutdown and Move Equipment
13:30	Field parameters.
14:30	Field parameters.
17:30	Field parameters. End MDPE event.

Table 4
Monitor Well Vacuum/Pressure Over Time
Alliance Maintenance and Services, Inc.

Facility Name	Line NM1-1	Event Date	21-Apr-15	LPST #	0
Facility Address	Hobbs, New Mexico	Event Number	15017-1	Facility ID	0

OBSERVED WELL VACUUM ("WC)

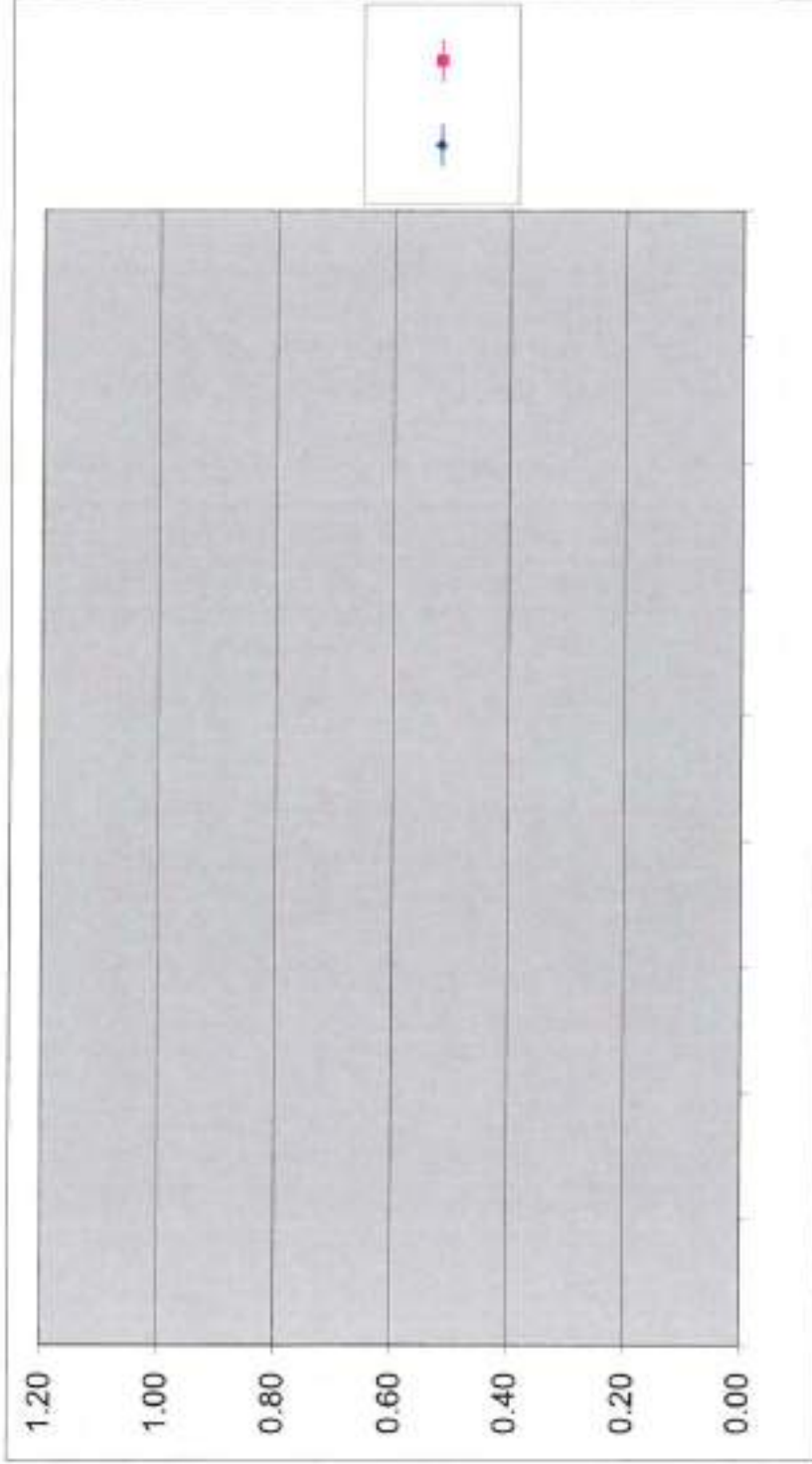


Table 5
Dual Phase Extraction Day Event Summary
Alliance Maintenance and Services, Inc.

Facility Name	Line NM1-1	Event Date		21-Apr-15	LPST #	0	Product Type Removed					
Facility Address	Hobbs, New Mexico	Event Number		15017-1	Facility ID	0	Gasoline					
Test or Read Time	Thomson 16 inch	Influent Vapor Temp Degrees F	Influent Vacuum Pressure Inches Hg	DWF Pressure	Conversion TPH ppmv to lbs/hr	Average PPM All E / Wells	Vapor Removal Rate Lbs. Hrs-CPM	Barometric Pressure & Temperature Inches. Hg. Faltsehead	Total Fuel Pumped / Siphoned Gal's	Total Fuel Removal Field Tests Gal's	Total Water Removed Gal in Tank	Effluent Sample PPM
9:30	-	71	23	0	1.413	1.75E-05	50,000	-	-	-	30	-
10:15	-	79	24	2	1.417	1.75E-05	50,000	-	-	-	49	-
10:30	-	83	23	3	1.422	1.75E-05	50,000	-	-	-	64	-
11:30	-	91	22	3	1.414	1.75E-05	50,000	-	-	-	102	-
12:30	-	89	22	4	1.419	1.75E-05	50,000	-	-	-	118	-
13:30	-	85	21	2	1.418	1.75E-05	50,000	-	-	-	129	-
14:30	-	86	22	0	1.421	1.75E-05	50,000	-	-	-	161	-
17:30	-	81	21	1	1.416	1.75E-05	50,000	-	-	-	765	-
Average/Hr	8	83.82	21.68	1.70	1417.50	50000.00					765	-

Removed Water Stored in Poly Tank		765
-----------------------------------	--	-----

Vapor Phase Product Removed Using Laboratory Data		
43	Average Pounds Vapor Phase per 8 Hour Event	
7	Average Gallons Vapor Phase per 8 Hour Event	
0	Gallons Liquid Phase Hydrocarbons recovered in tank	
0	Pounds Liquid Phase Hydrocarbons recovered in tank	
7	Total Gallons Hydrocarbons Removed	
43	Total Pounds Hydrocarbons Removed	

Executed By:	Alliance Maintenance & Services Inc.
Equipment Operated By:	Denver Lake & Cesar Garcia
Field Testing By:	Denver Lake & Cesar Garcia

Abbreviations		
NM= Mocking Wall	LBS.Hrs = Pounds	
Gal = Gallons	Gal = Gallons	
WC = Water Column	lb = Pound	
CPM= Cubic Feet Minute	Misc = Mixture	
PPM = Parts per Million		

ANALYTICAL RESULTS

Project: 075017 Line NM AIR

Pace Project No.: 60192550

Sample: 075017-042115-mt-INF1		Lab ID: 60192550001	Collected: 04/21/15 11:30	Received: 04/23/15 09:45	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO3 GCV AIR BTEX BAG		Analytical Method: TO-3 Air						
Benzene	209	ppmv	10.0	100		04/23/15 19:05	71-43-2	
Ethylbenzene	72.6	ppmv	10.0	100		04/23/15 19:05	100-41-4	
Methyl-tert-butyl ether	111	ppmv	10.0	100		04/23/15 19:05	1634-04-4	
THC as Gas	12600	ppmv	100	100		04/23/15 19:05		E
Toluene	70.1	ppmv	10.0	100		04/23/15 19:05	108-88-3	
m&p-Xylene	49.0	ppmv	20.0	100		04/23/15 19:05	179601-23-1	
o-Xylene	15.3	ppmv	10.0	100		04/23/15 19:05	95-47-6	

Handwritten note:
N
methyl-tert-butyl ether
2439 3.7m

REPORT OF LABORATORY ANALYSIS

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Table 6

Alliance Maintenance & Services, Inc.

Calculated Vapor Concentration from Laboratory Data

Facility Name	Line NM1-1	Event Date	21-Apr-15
Facility Address	Hobbs, New Mexico	Event Number	15017-1
Lab Name	Pace Analytical	Lab Name	Pace Analytical
Time	Results	Units	Time
One hour from beginning	9:30	ugl	One hour from beginning
Midway through event	11:30	ugl	Midway through event
One hour prior to ending	14:30	ugl	One hour prior to ending
Average Well Flow SCFM		24.39	Average Well Flow SCFM
Average Lab results			Average lab results
ug/l X 28.32 liters per cubic foot	equals	ug/cu ft.	24.39
ug/cubic foot X average SCFM	equals	ug/minute	12600
ug/minute /1,000,000,000	equals	kg/minute	
kg/minute X 2.20462	equals	pounds/minute	5.38230033
pounds/minute X 480 minutes	equals	lbs per 8 hour event	
pound per 8 hours/6.25 lb/gallon	equals	gallons/8 hour event	43.0584026
0	ug/cu ft.		
24.39	average SCFM		
0	ug/min.		
0	kg/min		
0	kg/8 hours		
0	lbs/8 hours		
0	gals/8 hours		
43	Average Pounds Vapor Phase per 8 Hour Event		6.88934442
			Average Gallons Vapor Phase per 8 Hour Event



Alliance

3233 W 11th St #1000
Houston, TX 77008
713-863-0000 PH
713-863-1004 FAX

INVOICE

DATE:	05/12/15	DUE DATE	NET 120 DAYS
INVOICE	950 - 6297	JOB #	15017-2
P.O. #	40-76988	CRA Job #	75017

BILLED TO	Conestoga Rovers & Associates, Inc.		
ATTN:	Accounts Payable	CC:	Moshghan Mansoori
ADDRESS	2055 Niagara Falls Blvd., Ste. 3	1755 Wittington Place, Suite 500	
	Niagara Falls, NY 14304	Dallas, TX 75234	

SITE NAME	Line NM1-1
ADDRESS	Hobbs, New Mexico

SCOPE OF WORK:	8 hr	Mobile Dual Phase Extraction
	Date:	22-Apr-15
	Event #:	2

LINE ITEMS:	DESCRIPTION	TOTAL
	MDPE Equipment and Personnel	\$3,600.00
	Tedlar Bags	\$24.00

SUBTOTAL	\$ 3,624.00
TAX	
TOTAL	\$ 3,624.00

INVOICE WORKSHEET

DATE: 12-May-15

DEPT 950

W/O # _____

JOB # 15017-2

PO # 40-76988

BILLED TO Conestoga Rovers & Associates, Inc.

ATTN: Accounts Payable CC: Moshghan Mansoori

ADDRESS	2055 Niagara Falls Blvd., Ste. 3	1755 Wittington Place, Suite 500
----------------	----------------------------------	----------------------------------

Niagara Falls, NY 14304 Dallas, TX 75234

SITE NAME Line NM1-1

ADDRESS	Hobbs, New Mexico
---------	-------------------

SCOPE OF WORK: 8 hr Mobile Dual Phase Extraction

Date 22-Apr-2015

Event # 2

LINE ITEMS:

DESCRIPTION

TOTAL

MDPE Equipment and Personnel	\$ 3,600.00
------------------------------	-------------

Tedlar Bags	\$ 24.00
-------------	----------

SUBTOTAL	\$ 3,624.00
-----------------	-------------

TAX

TOTAL _____

SPECIAL INSTRUCTIONS: _____



May 12, 2015

Ms. Moshghan Mansoori
Conestoga-Rovers Associates
2270 Spring Lake Road, Suite 800
Dallas, Texas 75234

**Re: Mobile Enhanced Vacuum Recovery (EVR)
Event # 2**

Facility Name:	Line NM1-1
Facility Address:	Hobbs, New Mexico
Date of Service:	April 22, 2015
Estimate of product in liquid form:	3 Gallons (19 pounds)/with event #1
Estimate of product in vapor form:	9 Gallons (56 pounds)
Estimate of total fluids removed:	1319 Gallons
TOTAL PRODUCT (VAPOR AND LIQUID)	<u>12 Gallons and 75 pounds</u>

Dear Ms. Mansoori:

In response to your Request for Services, Alliance Maintenance & Services, Inc. performed one 8 hr Mobile Dual Phase Extraction (MDPE) event at the above referenced site on April 22, 2015. The MDPE events were conducted using the OXY-VAC system of vacuum pumps with a thermal oxidizer having destruction efficiency rating of 99.9 percent. This letter serves to report on field activities and the results of the MDPE event.

The MDPE event began with measuring the depths to water and phase-separated hydrocarbons (PSH) in monitoring wells using an interface probe. Groundwater measurements, before and after the event, can be found in Table 1. No wells onsite were sealed to measure vacuum or pressure during event. The extraction wells (MW-1, RW-1, and RW-4) (pulled from intermittently dependent on onsite instructions) were fitted with a wellhead adapter and vacuum drop tubes. The drop tubes are used to remove fluids from the well and are placed in the known smear zone or the PSH-air interface measured at the beginning of field activities. Vacuum hoses are attached between the vacuum pumps and the well head adapters and monitored via gauges mounted on the well adapters. Vacuum and flow are adjusted to optimally remove PSH and vapor from the extraction wells. Equipment parameters are presented in Table 2. Influent and effluent contaminant concentrations are recorded at regular intervals during the MDPE event. These field parameters are presented in Table 3. The vacuum and/or pressure in each monitored well are also measured at regular intervals; those readings are presented in Table 4. Table 5 presents an MDPE event summary that includes the amount of vapor, PSH and total fluids removed during the event.

Alliance Maintenance & Services, Inc.

3233 W. 11th, Suite 1000 • Houston, Texas 77008 • 713-863-0000 • 713-863-1004 Fax

At the P66 Line NM1-1 site, approximately 1319 gallons of total fluids were removed from the wells at the site including 3 gallons (19 pounds) in liquid form and 9 gallons (56 pounds) vapor form hydrocarbons.

During the field activities, there were eight wells (MW-1, MW-6, RW-1, RW-2, RW-3, RW-4, RW-6, and EW-1) with an accumulated thickness of 24.89 feet PSH. The well names and fluid levels are noted in Table 1.

Although best efforts are used in field sampling and testing, controlled laboratory testing is the most accurate method of determining contaminant concentrations in air and fluids removed from the extraction wells. Alliance uses vapor sample results and a formula recommended by the TCEQ to convert vapor concentrations to liquid volume.

We appreciate the opportunity to be of service to Conestoga-Rovers Associates. If you have any questions regarding the data included herein, please contact me at 713-863-0000, extension 102. I look forward to working with you on the next MDPE project.

Sincerely,



Leslie Loveless

Alliance Maintenance & Services, Inc.

Table 1

Depths to Groundwater
Alliance Maintenance and Services, Inc.

Facility Name		Line NM1-1		Event Date		22-Apr-15			
Facility Address		Hobbs, New Mexico		Project Number		15017-2			
TIME:		Before Start of Event				End of Event			
Well ID #	Depth to PSH from TOC.	Depth of Water from TOC.	PSH. Thickness	Well Diameter	Stinger Depth	Depth to PSH from TOC.	PSH. Thickness	Water Ending Difference	PSH. Ending Difference
MW-4		42.02	0.00	2"					
MW-1	42.49	47.70	5.21	4"	48'	43.26	0.87	-3.57	-4.34
MW-3		43.40	0.00	2"					
RW-1	41.86	47.42	5.56	6"	48'	42.69	0.17	-4.56	-5.39
EW-1	38.99	39.54	0.55						
RW-3	41.59	44.67	3.08						
MW-6	41.28	41.82	0.54						
SVE-4/MW-8		41.31	0.00						
EW-2	39.99	43.54	3.55						
MW-9		40.30	0.00						
SVE-5		37.90	0.00						
RW-2	42.23	45.21	2.98						
RW-4	42.26	45.68	3.42		48'	42.59	1.62	-1.47	-1.80
			24.89				2.66		

Table 2
Equipment Operation
Alliance Maintenance and Services, Inc.

Facility Name	Line NM1-1				Event Date		22-Apr-15		LPST #	
Facility Address	Hobbs, New Mexico				Event Number		15017-2		Facility ID	
Test Time	Thermox				Influent Vapor Temp	Influent Vacuum Pressure	Diff Pressure	Therm-Ox Burn Temp	External Fuel Use % of Tank	External Fuel Use % of Tank
24 Hr. Clock	Hr. meter				Degrees F	Inches Hg	Inches WC	Fahrenheit	Propane#1	Propane#2
8:00									55%	
9:00					69	22.0	0.43	1427	49%	
10:00					86	23.0	0.26	1418	43%	
11:00					89	22.5	0.97	1421	37%	
12:00					90	21.0	1.74	1426	33%	
13:00					87	21.0	1.67	1429	29%	
14:00					84	21.5	1.39	1417	26%	
15:00					83	21.5	1.54	1423	23%	
16:00					83	21.5	1.61	1426	19%	
Average per Hr.					83.88	21.75	1.20	1423.38	36%	

Start Time	Shut Down Time	observed Thermox Run Time
8:00	16:00	8 hrs

Cumulative Run Time	8 hrs
---------------------	-------

Table 4
Monitor Well Vacuum Pressure Over Time
Alliance Maintenance and Services, Inc.

Facility Name	Line NM1-1	Event Date	22-Apr-15	LPST #	0
Facility Address	Hobbes, New Mexico	Event Number	15017-2	Facility ID	0

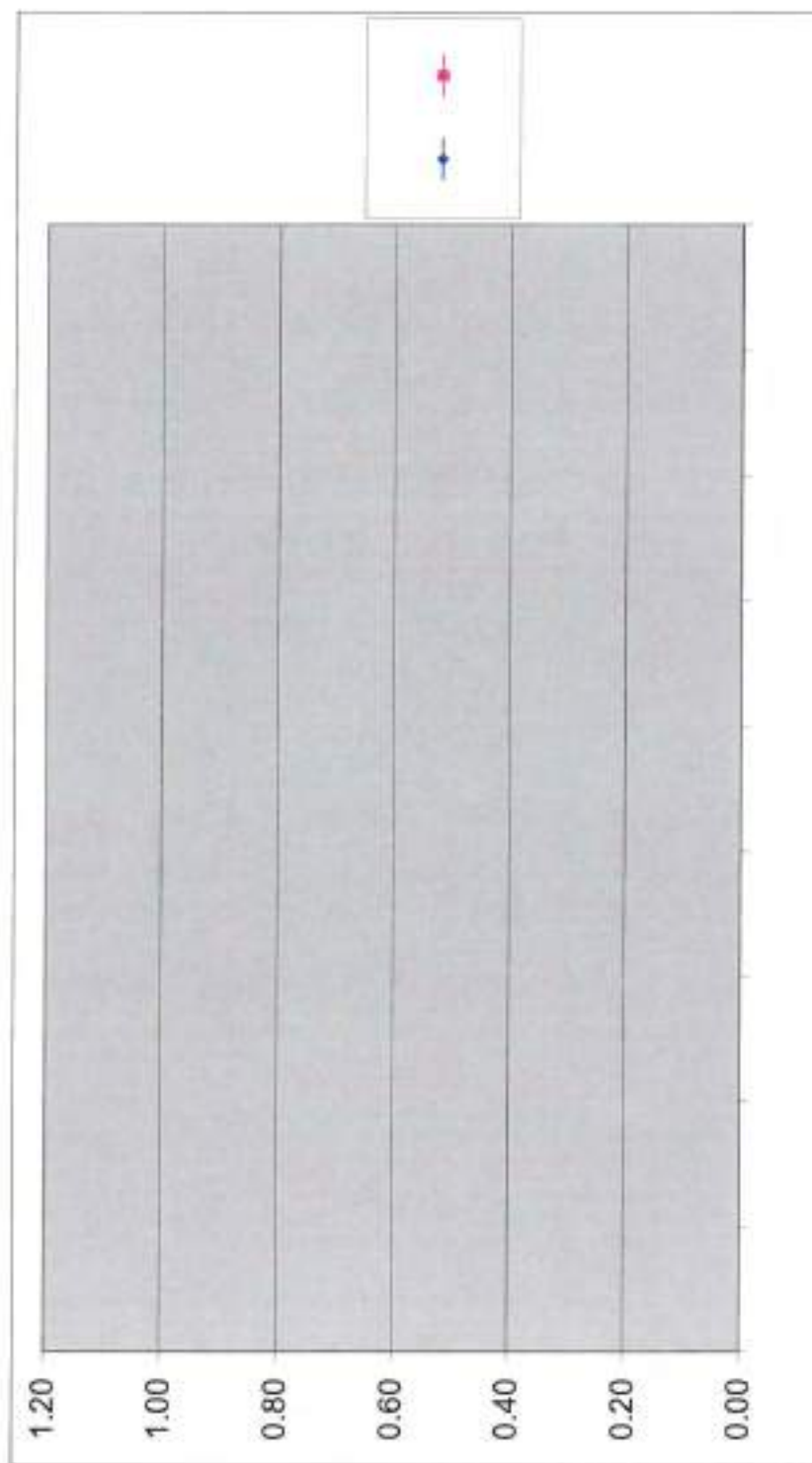
OBSERVED WELL VACUUM (%WC)[illegible]

Table 5

Dual Phase Extraction Day Event Summary
Alliance Maintenance and Services, Inc.

Facility Name		Line NM1-1		Event Date		22-Apr-15		LPST #		0		Product Type Removed	
Facility Address		Hobbs, New Mexico		Event Number		15017-2		Facility ID		0		Gasoline	
Test at Road Time	Thermos H ₂ meter	Influent Vapor Temp Degrees F	Influent Vacuum Pressure Inches Hg	Off Pressure Inches WC	Therm- Ox. Burn Temp Fahrenheit	Conversion TPH ppsv to Btu/hr	Average PPM All E / Wells	Vapor Removal Rate Lbs. H ₂ O / H ₂ CM	Barometric Pressure & Temperature Inches Hg. Fahrenheit	Total Fuel Pumped /Siphoned Gals.	Total Fuel Removal Field Tests Gals.	Total Water Removed Gall in Tank	Effluent Sample PPM
2.4 hr. M Time	9:00	-	89	22	0	1,427	1.75E-05	50,000	-	-	-	104	-
	10:00	-	86	23	0	1,418	1.75E-05	50,000	-	-	-	211	-
	11:00	-	89	23	1	1,421	1.75E-05	50,000	-	-	-	305	-
	12:00	-	90	21	2	1,426	1.75E-05	50,000	-	-	-	457	-
	13:00	-	87	21	2	1,429	1.75E-05	50,000	-	-	-	614	-
	14:00	-	84	22	1	1,417	1.75E-05	50,000	-	-	-	826	-
	15:00	-	83	22	2	1,423	1.75E-05	50,000	-	-	-	1,043	-
	16:00	-	83	22	2	1,426	1.75E-05	50,000	-	-	-	1,319	-
Aves/Hr.	8		83.83	21.75	1.20	1,423.38		50000.00			3	1,319	-
Removed Water Stored in Poly Tank												1,319	

Executed By:	Alliance Maintenance & Services Inc.
Equipment Operated By:	Denver Lake & Cesar Garcia
Field Testing By:	Denver Lake & Cesar Garcia

Abbreviations	
MW= Measuring Well	L.B.L.R.= Pounds
Hg.= Mercury	Gal.= Gallon
WC.= Water Column	Hr.= Hour
CPM.= Cubic Feet Minute	Min.= Minute
PPM.= Parts per Million	

Vapor Phase Product Removed Using Laboratory Data	
56	Average Pounds Vapor Phase per 8 Hour Event
9	Average Gallons Vapor Phase per 12 Hour Event
3	Gallons Liquid Phase Hydrocarbons recovered in tank
19	Pounds Liquid Phase Hydrocarbons recovered in tank
12	Total Gallons Hydrocarbons Removed
75	Total Pounds Hydrocarbons Removed

ANALYTICAL RESULTS

Project: 075017 Line NM AIR

Pace Project No.: 60192550

Sample: 075017-042215-int-INF2		Lab ID: 60192550002	Collected: 04/22/15 11:00	Received: 04/23/15 09:45	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO3 GCV AIR BTEX BAG		Analytical Method: TO-3 Air						
Benzene	589	ppmv	10.0	100		04/23/15 19:30	71-43-2	
Ethylbenzene	121	ppmv	10.0	100		04/23/15 19:30	100-41-4	
Methyl-tert-butyl ether	170	ppmv	10.0	100		04/23/15 19:30	1634-04-4	
THC as Gas	17400	ppmv	100	100		04/23/15 19:30		E
Toluene	317	ppmv	10.0	100		04/23/15 19:30	108-88-3	
m&p-Xylene	80.3	ppmv	20.0	100		04/23/15 19:30	179601-23-1	
o-Xylene	30.0	ppmv	10.0	100		04/23/15 19:30	95-47-6	

12/1/15
✓
32.38-42
1751.07-1.14
1.00-1.14
20.40 SUM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 075017 Line NM AIR

Pace Project No.: 60192550

Sample: 075017-042215-ent-INF3		Lab ID: 60192550003	Collected: 04/22/15 15:00	Received: 04/23/15 08:45	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO3 GCV AIR BTEX BAG		Analytical Method: TO-3 Air						
Benzene	788	ppmv	10.0	100		04/23/15 19:45	71-43-2	
Ethylbenzene	158	ppmv	10.0	100		04/23/15 19:45	100-41-4	
Methyl-tert-butyl ether	203	ppmv	10.0	100		04/23/15 19:45	1634-04-4	
THC as Gas	21700	ppmv	100	100		04/23/15 19:45		E
Toluene	320	ppmv	10.0	100		04/23/15 19:45	108-88-3	
m&p-Xylene	126	ppmv	20.0	100		04/23/15 19:45	179601-23-1	
o-Xylene	ND	ppmv	10.0	100		04/23/15 19:45	95-47-6	

Day 2

REPORT OF LABORATORY ANALYSIS

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Date: 04/30/2015 05:03 PM

Page 9 of 15

FISCO METERS CORPORATION
FLOW CALCULATION REPORT

At FISCO Company

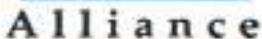
Customer Information		Project/Utility Application/Scope	
Name : Project Manager	Date : 11 April 2024		
Company: Williams Maintenance & Services, Inc.	Phone : 713-867-0000		
Address: 2010 W. 11th St., Houston, TX	FAX : 713-867-1004		
Ref No : Line 001-3, Udder, New Mexico	Tag No. : Exp-Vac 1,1,1,1,1, at Flow Metering Equipment		
Co. No. :	Wt. No. :		
Calculation done by :	Site / Location: Statewide		
Process Information			
Meter Type : Venturi	Pipe Size : 2.0	Schedule 40	
Meter Range : Low Loss (V/LP)	ID : 1.9579 in.	NPS 2.000	
Meter Mat. : Brass/Brass	Pipe Mat. : Carbon Steel	Install: Horizontal	
Flow Meas. : Gas : +/- 0.5	End/Ext. Con. : NPT		
Size : 2.000	Tap Size : 1/8 in. NPT		
Throat Dia. : 1.9791 in.	Type : Low Loss (V/LP)		
	Throat Material: Stainless Steel 304		
Fluid Information			
Flow Rate (Qd) :	KGAL : 20.00	MMSCF : 100.00	MMBtu : 200.00
Temperature (Base) : 70°F	KGAL : 67.89	MMSCF : 31.85	MMBtu : 63.80
Sp. Grav (SG) : 1.000	KGAL : 1.000	MMSCF : 1.000	MMBtu : 1.000
Density (SG) : 0.5785	KGAL : 0.0012	MMSCF : 0.0012	MMBtu : 0.0012
Pressure (Base) : 14.73 PSIA	KGAL : -200.49	MMSCF : -200.49	MMBtu : -200.49
Viscosity : 0.01200 Cp	KGAL : 1.40	MMSCF : 1.40	MMBtu : 1.40
Molecular Weight : 18.026	KGAL : 0.000	MMSCF : 0.000	MMBtu : 0.000
Selected Model			
Description : Low Loss (V/LP) 20 Brass/Brass NPT Horizontal			
Model Number : 0.000-18 NPT			
Flow Equation & Parameters			
FISCO Formula No = (1/P1)^(1/2) * (Qd/C1)^(1/2) * MMSCF; C1 = K * X * SG^(1/2) * 36 * Pvc * T * Taps * Pth * Pcf * Tz * Pph			
Orifice Diam. Factor (K) : 0.606200000	Friction Flow Coeff. (X) : 0.5010		
Pipe Diam. (ID) : 1.957910	Manifold Expansion Factor (Pth) : 1.00000		
Expansion Factor (Pth) : 1.0000	Pressure Loss Factor (Pph) : 1.000		
Temp. Loss Factor : 1.010	Specific Gravity Factor (Psg) : 1.000		
Piping Pressure (Pd) PSIA : 818.4356	MMSCF : 4.0156	MMBtu : 4.0156	
Reynolds Number (Re) : 818.4357	MMSCF : 75612	MMBtu : 15124	
Expansion Factor (Pth) : 818.4357	MMSCF : 0.0017	MMBtu : 0.0017	
Gas Expansion Factor (P) : 818.4357	MMSCF : 1.0018	MMBtu : 1.0018	
Pipe Temperature Factor (PTE) : 818.4357	MMSCF : 0.0178	MMBtu : 0.0178	
Calculated Results			
Flow Rate (Qd) : 20.000	MMSCF : 100.000	MMBtu : 200.000	MMBtu/MMBtu
Flow Coefficient (C1) : 0.0012	MMSCF : 0.0012	MMBtu : 0.0012	
Diff. Pressure (Pd) : 818.435	MMSCF : 20.000	MMBtu : 115.000	10 of 100
The accuracy of V/LP meters installed in accordance with AGA/ISO recommendations is +/- 1 percent uncalibrated (with/without of discharge subject to correction for Reynolds number dependency), or +/- 0.5 percent calibrated.			
WARNING			
Low Reynolds No. at 18.000 Flow			
Reynolds Number = 1.796 (at 18.000 Flow)			
Accuracy: +/- 2% at 18.000 Flow			
Date: 4.01.24			

Table 6

Alliance Maintenance & Services, Inc.

Calculated Vapor Concentration from Laboratory Data

Facility Name	Line NM1-1	Event Date	22-Apr-15
Facility Address	Hobbs, New Mexico	Event Number	15017-2
Lab Name	Pace Analytical	Lab Name	Pace Analytical
Time	Results	Time	Results
One hour from beginning	9:00	One hour from beginning	9:00
Midway through event	11:00	Midway through event	11:00
One hour prior to ending	15:00	One hour prior to ending	15:00
Average Well Flow SCFM		Average Well Flow SCFM	
Average Lab results	20.40	Average lab results	20.40
ug/l X 28.32 liters per cubic foot equals ug/cu.ft.		20.40	Well Flow
ug/cubic foot X average SCFM equals ug/minute		19550	Average Lab Results
ug/minute /1,000,000,000 equals kg/minute		6.98493728	lbs per hour
kg/minute X 2.20462 equals pounds/minute		55.8794983	lbs per 8 hour event
pounds/minute X 480 minutes equals lbs per 8 hour event			
pound per 8 hours/6.25 lb/gallon equals gallons/8 hour event			
0 ug/cu.ft.			
20.40 average SCFM			
0 ug/min.			
0 kg/min			
0 kg/8 hours			
0 lbs/8 hours			
0 gals/8 hours			
56 Average Pounds Vapor Phase per 8 Hour Event		8.94071972	Average Gallons Vapor Phase per 8 Hour Event



3233 W 11th St #1000
Houston, TX 77008
713-863-0000 PH
713-863-1004 FAX

INVOICE

DATE: 07/29/15

DUE DATE PWP NTE 120 DAYS

INVOICE 950 - 6307

JOB # 15017-3

P.O. # 40-79686

BILLED TO GHD Services, Inc.

ATTN: Accounts Payable CC: Moshghan Mansoori

ADDRESS	2055 Niagara Falls Blvd., Ste. 3	1755 Wittington Place, Suite 500
----------------	----------------------------------	----------------------------------

Niagara Falls, NY 14304 Dallas, TX 75234

SITE NAME Line NM1-1

ADDRESS Hobbs, New Mexico

SCOPE OF WORK: 10 hr Mobile Dual Phase Extraction

Date 7-Jul-15

Event # 3

LINE ITEMS:	DESCRIPTION	TOTAL
-------------	-------------	-------

MDPE Equipment and Personnel	\$4,500.00
------------------------------	------------

MOB	\$1,000.00
-----	------------

Tedlar Bags	\$36.00
-------------	---------

SUBTOTAL	\$ 5,536.00
-----------------	--------------------

TAX

TOTAL	\$ 5,536.00
--------------	--------------------

INVOICE WORKSHEET

DATE:	<u>28-Jul-15</u>	DEPT	<u>950</u>
W/O #	<u></u>	JOB #	<u>15017-3</u>
PO #	<u>40-79686</u>		<u></u>

BILLED TO	GHD Services, Inc.	
ATTN:	Accounts Payable	CC: Moshghan Mansoori
ADDRESS	2055 Niagara Falls Blvd., Ste. 3	1755 Wittington Place, Suite 500
	Niagara Falls, NY 14304	Dallas, TX 75234

SITE NAME	Line NM1-1
ADDRESS	Hobbs, New Mexico

SCOPE OF WORK:	10 hr	Mobile Dual Phase Extraction
	Date	7-Jul-2015
	Event #	3

LINE ITEMS:	<u>DESCRIPTION</u>	<u>TOTAL</u>
	MDPE Equipment and Personnel	\$ 4,500.00
	MOB	\$ 1,000.00
	Tedlar Bags	\$ 36.00
	SUBTOTAL	\$ 5,536.00
	TAX	
	TOTAL	

SPECIAL INSTRUCTIONS: _____

Alliance Maintenance & Services, Inc.
713-863-0000 ext. 102
3233 West 11th Street, Suite 1000
Houston, Texas 77008

Approval Authorization
for MDPE Event

*name change as of
7/1/2015*

Client Address Conestoga-Rovers Associates GHD
Moshghan Mansoori
1755 Wittington Place, Suite 500
Dallas, Texas 75234

Client Project Number 075017

AMS Project Number 15017-3 & 15017-4

Facility Address see map

Facility Name Line NM1-1

Start Date 7 – 8th July 2015 MOB on the 6th.

Field Contact Cesar Garcia 832-859-9670 Alliance Maintenance & Services, Inc.

Scope: Mobile Enhanced Vacuum Recovery (EVR) or Mobile Dual Phase Extraction

Alliance will provide all necessary equipment and personnel required to perform EVR or MDPE on the following wells:

Extraction Wells See work order or onsite rep

- Number of hours in operation **2 – 10 hrs** Alliance to provide holding tank
- CRA to coordinate fluid pick up
- Alliance will gage wells prior to, and after event.
- Alliance will take influent vapor and/or effluent vapor samples upon request.
- \$1350.00 Field Personnel for 8 hrs
- \$450.00 Personnel each additional hr over 8hrs
- \$2250.00 DPE Equipment
- ~~\$1850.00~~ MOB \$1000.00
- \$12.00/each Tedlar Bags (7)
- Direct Bill waste
- Direct Bill Pace Analytical

Ask onsite rep about samples

Beginning	1 influent TPH + Effluents (BTEX/TPH)
Midpoint	1 influent TPH/BTEX
Ending	1 influent TPH

Accepted by: GHD
(Company Name)

Moshghan Mansoori
(Printed Name)

[Signature]
(Signature)

7/1/15
(Date)



July 28, 2015

Ms. Moshghan Mansoori
GHD
2270 Spring Lake Road, Suite 800
Dallas, Texas 75234

**Re: Mobile Enhanced Vacuum Recovery (EVR)
Event # 3**

Facility Name:	Line NM1-1
Facility Address:	Hobbs, New Mexico
Date of Service:	July 7, 2015
Estimate of product in liquid form:	340 Gallons (2125 pounds)
Estimate of product in vapor form:	17 Gallons (103 pounds)
Estimate of total fluids removed:	1706 Gallons
TOTAL PRODUCT (VAPOR AND LIQUID)	<u>357 Gallons and 2228 pounds</u>

Dear Ms. Mansoori:

In response to your Request for Services, Alliance Maintenance & Services, Inc. performed one 10 hr Mobile Dual Phase Extraction (MDPE) event at the above referenced site on July 7, 2015. The MDPE events were conducted using the OXY-VAC system of vacuum pumps with a thermal oxidizer having destruction efficiency rating of 99.9 percent. This letter serves to report on field activities and the results of the MDPE event.

The MDPE event began with measuring the depths to water and phase-separated hydrocarbons (PSH) in monitoring wells using an interface probe. Groundwater measurements, before and after the event, can be found in Table 1. Two wells (MP-1 & MW-3) onsite were sealed to measure vacuum or pressure during event. The extraction wells (MW-1, RW-1, RW-2 and EW-1) were fitted with a wellhead adapter and vacuum drop tubes. The drop tubes are used to remove fluids from the well and are placed in the known smear zone or the PSH-air interface measured at the beginning of field activities. Vacuum hoses are attached between the vacuum pumps and the well head adapters and monitored via gauges mounted on the well adapters. Vacuum and flow are adjusted to optimally remove PSH and vapor from the extraction wells. Equipment parameters are presented in Table 2. Influent and effluent contaminant concentrations are recorded at regular intervals during the MDPE event. These field parameters are presented in Table 3. The vacuum and/or pressure in each monitored well are also measured at regular intervals; those readings are presented in Table 4. Table 5 presents an MDPE event summary that includes the amount of vapor, PSH and total fluids removed during the event.

Alliance Maintenance & Services, Inc.

3233 W. 11th, Suite 1000 • Houston, Texas 77008 • 713-863-0000 • 713-863-1004 Fax

At the P66 Line NM1-1 site, approximately 1706 gallons of total fluids were removed from the wells at the site including 340 gallons (2125 pounds) in liquid form and 17 gallons (103 pounds) vapor form hydrocarbons.

During the field activities, there were eleven wells (MW-1, MW-4, MW-6, MW-8, MW-9, RW-1, RW-2, RW-3, RW-4, EW-1 and EW-2) with an accumulated thickness of 18.69 feet PSH. The well names and fluid levels are noted in Table 1.

Although best efforts are used in field sampling and testing, controlled laboratory testing is the most accurate method of determining contaminant concentrations in air and fluids removed from the extraction wells. Alliance uses vapor sample results and a formula recommended by the TCEQ to convert vapor concentrations to liquid volume.

We appreciate the opportunity to be of service to GHD. If you have any questions regarding the data included herein, please contact me at 713-863-0000, extension 102. I look forward to working with you on the next MDPE project.

Sincerely,



Leslie Loveless

Alliance Maintenance & Services, Inc.

Table 1

Depths to Groundwater

Alliance Maintenance and Services, Inc.

Facility Name		Line NM1-1		Event Date		7-Jul-15					
Facility Address		Hobbs, NM		Project Number		15017-3					
TIME:		Before Start of Event				End of Event					
Well ID #	Depth to PSH from TOC.	Depth of Water from TOC.	PSH. Thickness	Well Diameter		Depth to PSH from TOC.	Depth of Water from TOC.	PSH. Thickness	Water Ending Difference	PSH. Ending Difference	
MW-4	42.05	42.06	0.01	2"			42.05	0.00	-0.01	-0.01	
MW-1	42.84	45.28	2.44	4"			45.50	0.00	0.22	-2.44	
MW-3		43.10	0.00	2"			dry				
RW-1	41.99	46.58	4.59	6"			46.80	0.00	0.22	-4.59	
EW-1	39.09	39.64	0.55	6"			40.00	0.00	0.36	-0.55	
RW-3	41.71	44.33	2.62	6"		41.70	44.36	2.66	0.03	0.04	
MW-6	40.71	42.75	2.04	2"		40.73	42.75	2.02	0.00	-0.02	
SVE-4/MW-8	41.44	42.01	0.57	2"		41.43	42.00	0.57	-0.01	0.00	
EW-2	40.14	43.74	3.60	6"		40.15	43.74	3.59	0.00	-0.01	
MW-9	40.36	40.37	0.01	2"			dry				
SVE-5		NG					NG				
RW-2	42.38	44.62	2.24	6"			45.00	0.00	0.38	-2.24	
RW-4	42.78	42.80	0.02	6"		42.73	42.93	0.20	0.13	0.18	
										9.04	
										18.69	

Table 2
Equipment Operation
Alliance Maintenance and Services, Inc.

Facility Name		Line NM11-1		Event Date		7-Jul-15		LPST #	
Facility Address		Hobbs, NM		Event Number		15017-3		Facility ID	
Test Time		Thermox		Influent Vapor Temp		Influent Vacuum Pressure		Therm-Ox. Burn Temp	
24 hr. Clock		Hr. meter		Degrees F		Inches Hg		Fahrenheit	
11:00									
12:00				78		20.0		1426	
13:00				80		21.0		1431	
14:00				78		23.0		1418	
15:00				82		24.0		1415	
16:00				88		23.0		1412	
17:00				94		23.0		1417	
18:00				86		23.0		1415	
19:00				78		23.0		1412	
20:00				72		23.0		1413	
21:00				70		23.0		1415	
Average per Hr.				80.60		22.60		1417.40	
				307.25		1.24		43%	
								0%	

observed		Thermox	
Start Time	Shut Down Time	Run Time	Run Time
11:00	21:00	10 hrs	

Cumulative Run Time 10 hrs

Table 3
Field Parameters
Alliance Maintenance and Services, Inc.

Facility Name	Line NM1-1	Event Date	7-Jul-15	LPST #	0
Facility Address	Hobbs, NM	Event Number	15017-3	Facility ID	0
Test Time	Test Wells at Sample Ports ((PPM) at well head)				
24 hr. Clock	RW-1		RW-2		
	PPM	PPM	PPM	PPM	
11:00	50,000	50,000	50,000	0.0	114
12:00	50,000	50,000	50,000	0.0	238
13:00	50,000	50,000	50,000	0.0	369
14:00	50,000	50,000	50,000	0.0	618
15:00	50,000	50,000	50,000	0.0	784
16:00	50,000	50,000	50,000	0.0	910
17:00	50,000	50,000	50,000	0.0	1,170
18:00	50,000	50,000	50,000	0.0	1,296
19:00	50,000	50,000	50,000	0.0	1,488
20:00	50,000	50,000	50,000	0.0	1,706
21:00	50,000	50,000	50,000	0.0	1,706
	MicrofID = maximum detection limit is 50,000 ppm. Entries noted as 50,000 represent recordings in excess of maximum detection limits.				340
	Product Pumped (Gals)				0
	Barometric Pressure & Temperature				
	Inches Hg				
	Effluent Sample				
	Sample Accumulative Test Port				
	Total Fluids Removed				
	Average PPM, All Event Wells				

Notes

8:00 On site. Open all wells. Tailgate safety meeting. Measure fluid levels in wells. Cap observation wells. Set up on extraction wells.

11:00 Start MCOE event. Calibrate instruments.

12:00 Field parameters.

13:00 Field parameters. Collect influent vapor (TPH) and effluent (BTEX/TPH) sample for lab.

14:00 Field parameters.

15:00 Field parameters.

16:00 Field parameters.

17:00 Field parameters.

18:00 Field parameters.

19:00 Field parameters.

20:00 Field parameters. Collect influent (TPH) vapor sample for lab.

21:15 Field parameters. End MCOE event.

Table 4
Monitor Well Vacuum/Pressure Over Time
Alliance Maintenance and Services, Inc.

Facility Name	Line NM1-1	Event Date	7-Jul-15	LPST #	0
Facility Address	Hobbs, NM	Event Number	15017-3	Facility ID	0

OBSERVED WELL VACUUM ("WC)

Time	MP-1	MW-3
11:00	0.00	0.00
12:00	0.00	0.00
13:00	0.00	0.00
14:00	0.00	0.00
15:00	-0.01	0.00
16:00	-0.01	0.00
17:00	-0.02	0.00
18:00	-0.05	0.00
19:00	-0.06	0.00
20:00	-0.08	0.00
21:00	-0.09	0.00

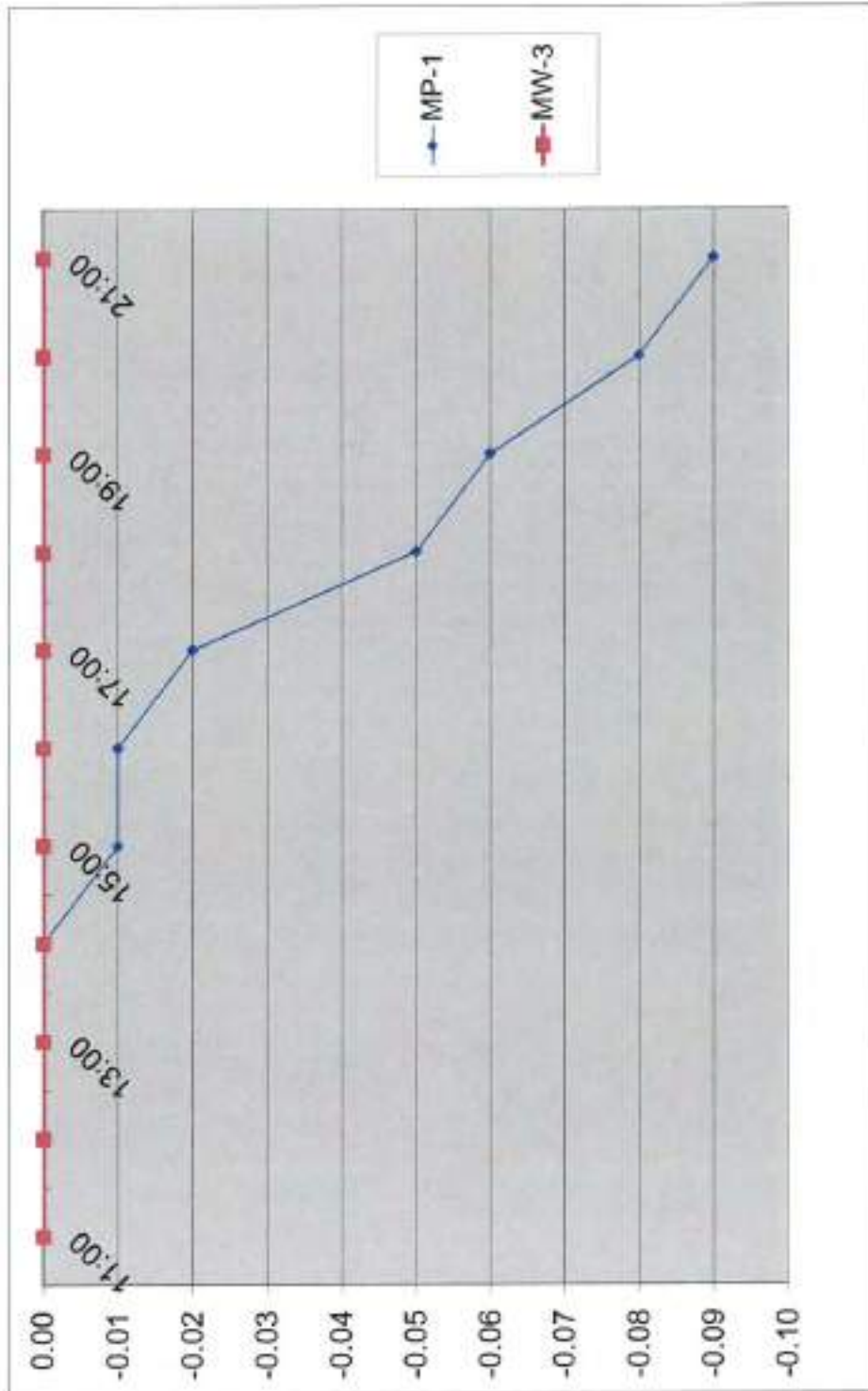


Table 5

Dual Phase Extraction Day Event Summary
Alliance Maintenance and Services, Inc.

Facility Name	Line NM1-1	Event Date	LPST #	Product Type Removed
Facility Address	Hobbs, NM	7-Jul-15	15017-3	Gasoline
Test or Read Time	Thermos	Event Number	Barometric Pressure & Temperature	Total Fuel Pumped/Siphoned
24 hr. M. Time	10	Conversion	Inches, Hg.	Gals.
12:00	-	Therm- Ox. Burn Temp	1.426	-
13:00	-	TPH ppmv to lb/hr	1.431	-
14:00	-	TPH	1.418	-
15:00	-	TPH	1.415	-
16:00	-	TPH	1.412	-
17:00	-	TPH	1.417	-
18:00	-	TPH	1.415	-
19:00	-	TPH	1.412	-
20:00	-	TPH	1.413	-
21:00	-	TPH	1.415	-
Average/Hr.	10	1417.40	62900.00	340
				1708

Vapor Phase Product Removed Using Laboratory Data

103	Average Pounds Vapor Phase per 10 Hour Event
17	Average Gallons Vapor Phase per 10 Hour Event
340	Gallons Liquid Phase Hydrocarbons recovered in tank
2125	Pounds Liquid Phase Hydrocarbons recovered in tank
357	Total Gallons Hydrocarbons Removed
2228	Total Pounds Hydrocarbons Removed

Executed By:	Alliance Maintenance & Services Inc.
Equipment Operated By:	Cesar Garcia and Jesse Torres
Field Testing By:	Cesar Garcia and Jesse Torres

Abbreviations

MTW = Monitoring well	LNAPL = Non-Aqueous Phase Liquid
Hg = Mercury	Gal = Gallon
WC = Water Column	Hr = Hour
CFM = Cubic Feet Minute	Mts = Meters
ppm = Parts per Million	

ANALYTICAL RESULTS

Project: 075017 Line NM1-1

Pace Project No.: 60198063

Sample: 075017-070715-MT-INF1 Lab ID: 60198063901 Collected: 07/07/15 13:00 Received: 07/09/15 09:45 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO3 GCV AIR BTEX BAG		Analytical Method: TO-3 Air						
Benzene	1040	ppmv	21.9	219		07/10/15 14:56	71-43-2	
Ethylbenzene	360	ppmv	21.9	219		07/10/15 14:56	100-41-4	
Methyl-tert-butyl ether	403	ppmv	21.9	219		07/10/15 14:56	1634-04-4	A4
THC as Gas	37700	ppmv	219	219		07/10/15 14:56		E
Toluene	791	ppmv	21.9	219		07/10/15 14:56	108-88-3	
m&p-Xylene	247	ppmv	43.8	219		07/10/15 14:56	179601-23-1	
o-Xylene	87.8	ppmv	21.9	219		07/10/15 14:56	95-47-6	

Day 1
A
80.60°F
307.25 mmHg
1.24 mmHg
19.725 cfm

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 075017 Line NM1-1

Pace Project No.: 60198063

Sample: 075017-070715-MT-EFF		Lab ID: 60198063004	Collected: 07/07/15 13:00	Received: 07/09/15 09:45	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO3 GCV AIR BTEX BAG		Analytical Method: TO-3 Air						
Benzene	ND	ppmv	0.39	3.89		07/10/15 13:23	71-43-2	
Ethylbenzene	0.39	ppmv	0.39	3.89		07/10/15 13:23	100-41-4	
Methyl-tert-butyl ether	1.1	ppmv	0.39	3.89		07/10/15 13:23	1634-04-4	A4
THC as Gas	19.5	ppmv	3.9	3.89		07/10/15 13:23		
Toluene	ND	ppmv	0.39	3.89		07/10/15 13:23	108-88-3	
m&p-Xylene	ND	ppmv	0.78	3.89		07/10/15 13:23	179601-23-1	
o-Xylene	ND	ppmv	0.39	3.89		07/10/15 13:23	95-47-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 075017 Line NM1-1

Pace Project No.: 60198063

Sample: 075017-070715-MT-INF2		Lab ID: 60198063002	Collected: 07/07/15 20:00	Received: 07/09/15 09:45	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO3 GCV AIR BTEX BAG		Analytical Method: TO-3 Air						
Benzene	642	ppmv	25.2	252		07/10/15 16:22	71-43-2	
Ethylbenzene	119	ppmv	25.2	252		07/10/15 16:22	100-41-4	
Methyl-tert-butyl ether	326	ppmv	25.2	252		07/10/15 16:22	1634-04-4	A4
THC as Gas	22200	ppmv	252	252		07/10/15 16:22		
Toluene	348	ppmv	25.2	252		07/10/15 16:22	108-88-3	
m&p-Xylene	81.3	ppmv	50.4	252		07/10/15 16:22	179601-23-1	
o-Xylene	29.3	ppmv	25.2	252		07/10/15 16:22	95-47-6	

REPORT OF LABORATORY ANALYSIS

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Customer Information

Name : Project Manager	Date : 7 July 2015
Company: Alliance Maintenance & Services, Inc.	Phone : 713-602-1000
Address: 5110 W. 11th St., Houston, TX	Fax : 713-602-1208
Ref No.: Hiale HW-1, 6036, New Mexico	Tag No.: Dep-Inc 3,1,1,7, All Flow Metering Equipment
No. 30..	Re: HW : 1
Calculation done by :	Job / Location: Hiale HW-1

Review Instructions

Water Type	Vertical	Pipe Size	2.0	Schedule 40
Water Usage	Low Loss (F/LM)	W	2.0470 in	Wall: 0.3750
		Pipe Mat.	Carbon Steel	Install: Manual
Water Pot.	None/Screen	End/Max Cha.	90°	
Flow Medium	Gas → Air	Pipe Size	1.75 in	90°
Rate	0.1652	Type	Low Loss (F/LM)	
Thread Size	1.375 in	Material	Stainless Steel 304	

Visit Information

[illegible]

deleted. No.

Description : Low loss (9/17th) 200 Series/Vintage WT - Reinstall
Model Number : 7-200-10-WT

Flow Equations & Parameters

mixed formula $\text{H}_2 = (\text{Cl}/\text{H})^{1/2}(\text{Ba}/\text{Cl})^{1/2}$ W0000: $\text{Cl} = \text{H} + \text{B} + \text{D}^{1/2} + \text{Fg} + \text{Fgn} + \text{I} + \text{Fgn} + \text{Fib} = \text{HfI} + \text{Ba} + \text{Og}$

Water Conv. Factor(F)	= 0.00000000	Free Flow Coeff. (F)	= 0.0013
Pipe Diam. (In)	= 1.31500000	Thermal Expansion Factor(F)	= 1.000169
Compress. Factor (F)	= 1.0000	Pressure Base Factor(Fp)	= 1.000
Temp. Base Factor	= 1.000	Specific Gravity Factor(Fsg)	= 1.000

Flowing Pressure (PSI) - BHA	Q206	3.4203	NORMAL	3.4300	MAX	3.4300
Reynolds Number (Re)	Q206	14473	NORMAL	79422	MAX	151247
Reynolds Factor (Yr)	Q206	2.3809	NORMAL	9.7000	MAX	1.1000
Gas Expansion Factor (E)	Q206	1.0011	NORMAL	1.0010	MAX	1.1120
Flow Temperature Factor (FT)	Q206	0.9709	NORMAL	0.9400	MAX	0.7000

Calculation: Basis (a)

Flow Rate (Q) = 820 15.7110	W00001: 161.6100	W02: 130.7000	W03: 130.7000	W04: 130.7000
Flow Concentration (C) = 820 8.4762	W00001: 8.4762	W02: 8.4762	W03: 8.4762	W04: 8.4762
Flow Pressure (P) = 820 1.189	W00001: 1.189	W02: 1.189	W03: 1.189	W04: 1.189

The severity of V/HC Series installed in accordance with AMP/ISO recommendations is ± 1 percent uncorrected coefficient of discharge subject to correction for Reynolds number dependency, ± 1.5 percent calibrated.

WILEY-INTERSCIENCE

Low Reynolds No. at Min. Flow Max Pressure Loss = 5.7256 in of H₂O (2.19 ft)
 Recovery: +/- in at Min. Flow
 Rev = 5.6302

Table 6

Alliance Maintenance & Services, Inc.

Calculated Vapor Concentration from Laboratory Data

Facility Name	Line NM1-1	Event Date	7-Jul-15
Facility Address	Hobbs, NM	Event Number	15017-3
Lab Name	Pace Analytical	Lab Name	Pace Analytical
Beginning of event	Time	Results	Units
	13:00		ugl
Midway through event			ugl
Prior to End	20:00		ugl
Average Well Flow SCFM			19.72
Average Lab results			
ugl X 28.32 liters per cubic foot equals ug/cu.ft.			
ug/cubic foot X average SCFM equals ug/minute			
ug/minute /1,000,000,000 equals kg/minute			
kg/minute X 2.20462 equals pounds/minute			
pounds/minute X 600 minutes equals lbs per 10 hour event			
pound per 10 hours/6.25 lb/gallon equals gallons/10 hour event			
0 ug/cu.ft.			
19.72 average SCFM			
0 ug/min.			
0 kg/min			
0 kg/10 hours			
0 lbs/10 hours			
0 gals/10 hours			
103 Average Pounds Vapor Phase per 10 Hour Event			
16.5504308 Average Gallons Vapor Phase per 10 Hour Event			



INVOICE

3233 W 11th St #1000
Houston, TX 77008
713-863-0000 PH
713-863-1004 FAX

DATE: 07/29/15 DUE DATE PWP NTE 120 DAYS
INVOICE 950 - 6308 JOB # 15017-4
P.O. # 40-79686

BILLED TO GHD Services Inc.
ATTN: Accounts Payable CC: Moshghan Mansoori
ADDRESS 2055 Niagara Falls Blvd., Ste. 3 1755 Wittington Place, Suite 500
Niagara Falls, NY 14304 Dallas, TX 75234

SITE NAME Line NM1-1
ADDRESS Hobbs, New Mexico

SCOPE OF WORK: 10 hr Mobile Dual Phase Extraction
Date 8-Jul-15
Event # 4

LINE ITEMS:	<u>DESCRIPTION</u>	<u>TOTAL</u>
	<u>MDPE Equipment and Personnel</u>	<u>\$4,500.00</u>
	<u>Tedlar Bags</u>	<u>\$12.00</u>
	<u></u>	<u></u>
	<u></u>	<u></u>
	<u></u>	<u></u>
	<u></u>	<u></u>
	<u></u>	<u></u>

SUBTOTAL	<u>\$ 4,512.00</u>
TAX	<u></u>
TOTAL	<u>\$ 4,512.00</u>

INVOICE WORKSHEET

DATE: 28-Jul-15

DEPT 950

W/O # _____

JOB # 15017-4

PO # 40-79686

BILLED TO GHD Services Inc.

ATTN: Accounts Payable CC: Moshghan Mansoori

ADDRESS	2055 Niagara Falls Blvd., Ste. 3	1755 Wittington Place, Suite 500
----------------	----------------------------------	----------------------------------

Niagara Falls, NY 14304 Dallas, TX 75234

SITE NAME Line NM1-1

ADDRESS Hobbs, New Mexico

SCOPE OF WORK: 10 hr Mobile Dual Phase Extraction

Date 8-Jul-2015

Event # 4

LINE ITEMS:

DESCRIPTION

TOTAL

MDPE Equipment and Personnel	\$ 4,500.00
------------------------------	-------------

Tedlar Bags	\$ 12.00
-------------	----------

SUBTOTAL	\$ 4,512.00
-----------------	-------------

TAX _____

TOTAL _____

SPECIAL INSTRUCTIONS: _____



July 28, 2015

Ms. Moshghan Mansoori
GHD
2270 Spring Lake Road, Suite 800
Dallas, Texas 75234

**Re: Mobile Enhanced Vacuum Recovery (EVR)
Event # 4**

Facility Name:	Line NMI-1
Facility Address:	Hobbs, New Mexico
Date of Service:	July 8, 2015
Estimate of product in liquid form:	23 Gallons (144 pounds)
Estimate of product in vapor form:	13 Gallons (84 pounds)
Estimate of total fluids removed:	2811 Gallons
TOTAL PRODUCT (VAPOR AND LIQUID)	<u>36 Gallons and 288 pounds</u>

Dear Ms. Mansoori:

In response to your Request for Services, Alliance Maintenance & Services, Inc. performed one 10 hr Mobile Dual Phase Extraction (MDPE) event at the above referenced site on July 8, 2015. The MDPE events were conducted using the OXY-VAC system of vacuum pumps with a thermal oxidizer having destruction efficiency rating of 99.9 percent. This letter serves to report on field activities and the results of the MDPE event.

The MDPE event began with measuring the depths to water and phase-separated hydrocarbons (PSH) in monitoring wells using an interface probe. Groundwater measurements, before and after the event, can be found in Table 1. Two wells (MP-1 & MW-3) onsite were sealed to measure vacuum or pressure during event. The extraction wells (MW-1, RW-1, RW-3 and RW-4) were fitted with a wellhead adapter and vacuum drop tubes. The drop tubes are used to remove fluids from the well and are placed in the known smear zone or the PSH-air interface measured at the beginning of field activities. Vacuum hoses are attached between the vacuum pumps and the well head adapters and monitored via gauges mounted on the well adapters. Vacuum and flow are adjusted to optimally remove PSH and vapor from the extraction wells. Equipment parameters are presented in Table 2. Influent and effluent contaminant concentrations are recorded at regular intervals during the MDPE event. These field parameters are presented in Table 3. The vacuum and/or pressure in each monitored well are also measured at regular intervals; those readings are presented in Table 4. Table 5 presents an MDPE event summary that includes the amount of vapor, PSH and total fluids removed during the event.

Alliance Maintenance & Services, Inc.

3233 W. 11th, Suite 1000 • Houston, Texas 77008 • 713-863-0000 • 713-863-1004 Fax

At the P66 Line NMI-1 site, approximately 2811 gallons of total fluids were removed from the wells at the site including 23 gallons (144 pounds) in liquid form and 13 gallons (84 pounds) vapor form hydrocarbons.

During the field activities, there were ten wells (MW-1, MW-6, MW-8, MW-9 RW-1, RW-2, RW-3, RW-4, EW-1 and EW-2) with an accumulated thickness of 11.29 feet PSH. The well names and fluid levels are noted in Table 1.

Although best efforts are used in field sampling and testing, controlled laboratory testing is the most accurate method of determining contaminant concentrations in air and fluids removed from the extraction wells. Alliance uses vapor sample results and a formula recommended by the TCEQ to convert vapor concentrations to liquid volume.

We appreciate the opportunity to be of service to GHD. If you have any questions regarding the data included herein, please contact me at 713-863-0000, extension 102. I look forward to working with you on the next MDPE project.

Sincerely,



Leslie Loveless

Alliance Maintenance & Services, Inc.

Depths to Groundwater
Alliance Maintenance and Services, Inc.

Facility Name		Line NM1-1		Event Date		8-Jul-15			
Facility Address		Hobbs, NM		Project Number		15017-4			
TIME:		Before Start of Event				End of Event			
Well ID #	Depth to PSH from TOC	Depth of Water from TOC	PSH Thickness	Well Diameter		Depth to PSH from TOC	PSH Thickness	Water Ending Difference	PSH Ending Difference
MW-4		42.05	0.00	2"		42.11	0.00	0.06	0.00
MW-1	43.00	44.34	1.34	4"		54.50	0.00	10.16	-1.34
MW-3		dry	0.00	2"		dry			
RW-1	42.56	43.23	0.67	6"		46.80	0.00	3.57	-0.67
EW-1	39.06	39.24	0.18	6"		39.48	0.37	0.24	0.19
RW-3	41.70	44.36	2.66	6"		44.50	0.00	0.14	-2.66
MW-6	40.73	42.75	2.02	2"		42.75	1.95	0.00	-0.07
SVE-4/MW-8	41.43	42.00	0.57	2"		41.99	0.56	-0.01	-0.01
EW-2	40.15	43.74	3.59	6"		43.75	3.59	0.01	0.00
MW-9	40.36	40.37	0.01	2"		dry			
SVE-5		NG				NG			
RW-2	42.71	42.76	0.05	6"		42.92	0.17	0.16	0.12
RW-4	42.73	42.93	0.20	6"		43.00	0.00	0.07	-0.20
						6.64			
						11.29			

Table 2
Equipment Operation
Alliance Maintenance and Services, Inc.

Facility Name		Line NM1-1		Event Date		8-Jul-15		LPST #	
Facility Address		Hobbs, NM		Event Number		15017-4		Facility ID	
Test Time	Thermox			Influent Vapor Temp	Influent Vacuum Pressure	Diff Pressure	Therm-Ox. Burn Temp	External Fuel Use % of Tank	External Fuel Use % of Tank
24 hr. Clock	Hr. meter			Degrees F	Inches Hg	Inches WC	Fahrenheit	Propane#1	Propane#2
8:00								42%	85%
9:00				73	23.0	1.29	1429	38%	85%
10:00				78	24.0	1.43	1417	34%	85%
11:00				80	24.0	1.47	1419	30%	85%
12:00				84	24.0	1.53	1432	26%	85%
13:00				88	24.0	1.79	1451	23%	85%
14:00				92	24.0	1.92	1447	20%	85%
15:00				97	24.0	1.97	1456	17%	85%
16:00				98	24.0	1.98	1433	14%	85%
17:00				98	24.0	2.01	1421	11%	85%
18:00				92	24.0	2.13	1429	11%	81%
Average per Hr.				88.00	23.90	1.75	1433.40	31%	4%

observed		
Start Time	Shut Down Time	Thermox Run Time
8:00	18:00	10 hrs

Cumulative Run Time 10 hrs

Table 3
Field Parameters
Alliance Maintenance and Services, Inc.

Facility Name		Line M&H-4		Event Date		8-Jul-15		LPST #		0					
Facility Address		Hobbs, NM		Event Number		15017.4		Facility ID		0					
1591	Test Wells at Sample Ports ((PPM) at well head))														
Time	MW-1		RW-1		RW-3		RW-4		Barometric Pressure & Temperature		Total Product Pumped (Signed)	Sample Accumulative Test Port	Effluent Sample	Total Fluids Removed	Average PPM All Event Wells
24 Hr. Clock	PPM		PPM		PPM		PPM		Inches Hg. Filled/Sec.	Gals.		PPM		Gal in Tank	PPM
8:00	50,000		50,000		50,000		50,000				0			278	50,000
9:00															
10:00	50,000		50,000		50,000		50,000							591	50,000
11:00	50,000		50,000		50,000		50,000							839	50,000
12:00	50,000		50,000		50,000		50,000							1,151	50,000
13:00	50,000		50,000		50,000		50,000							1,439	50,000
14:00	50,000		50,000		50,000		50,000							1,687	50,000
15:00	50,000		50,000		50,000		50,000							1,964	50,000
16:00	50,000		50,000		50,000		50,000							2,210	50,000
17:00	50,000		50,000		50,000		50,000							2,457	50,000
18:00	50,000		50,000		50,000		50,000							2,811	50,000
											23			2,811	
MicroPQ maximum detection limit is 50,000 ppm. Entries noted as 50,000 represent recordings in excess of maximum detection limits.															

Notes
7:00 On site. Open all wells. Tailgate safety meeting. Measure fluid levels in wells. Cap observation wells. Set up on extraction wells.
8:00 Start MOPE event. Calibrate instruments.
9:00 Field parameters.
10:00 Field parameters.
11:00 Field parameters.
12:00 Field parameters.
13:00 Field parameters.
14:00 Field parameters.
15:00 Field parameters.
16:00 Field parameters. Collect influent (TPH) vapor sample for lab.
17:00 Field parameters.
18:00 Field parameters. End MOPE event.

Table 4
Monitor Well Vacuum/Pressure Over Time
Alliance Maintenance and Services, Inc.

Facility Name	Line NM1-1	Event Date	8-Jul-15	LPST #	0
Facility Address	Hobbs, NM	Event Number	15017-4	Facility ID	0

OBSERVED WELL VACUUM ("WC)

Time	MP-1	MW-3
8:00	0.00	0.00
9:00	0.00	0.00
10:00	-0.02	0.00
11:00	-0.05	0.00
12:00	-0.06	0.00
13:00	-0.04	0.00
14:00	-0.05	0.00
15:00	-0.03	0.00
16:00	-0.01	0.00
17:00	-0.06	0.00
18:00	-0.06	0.00

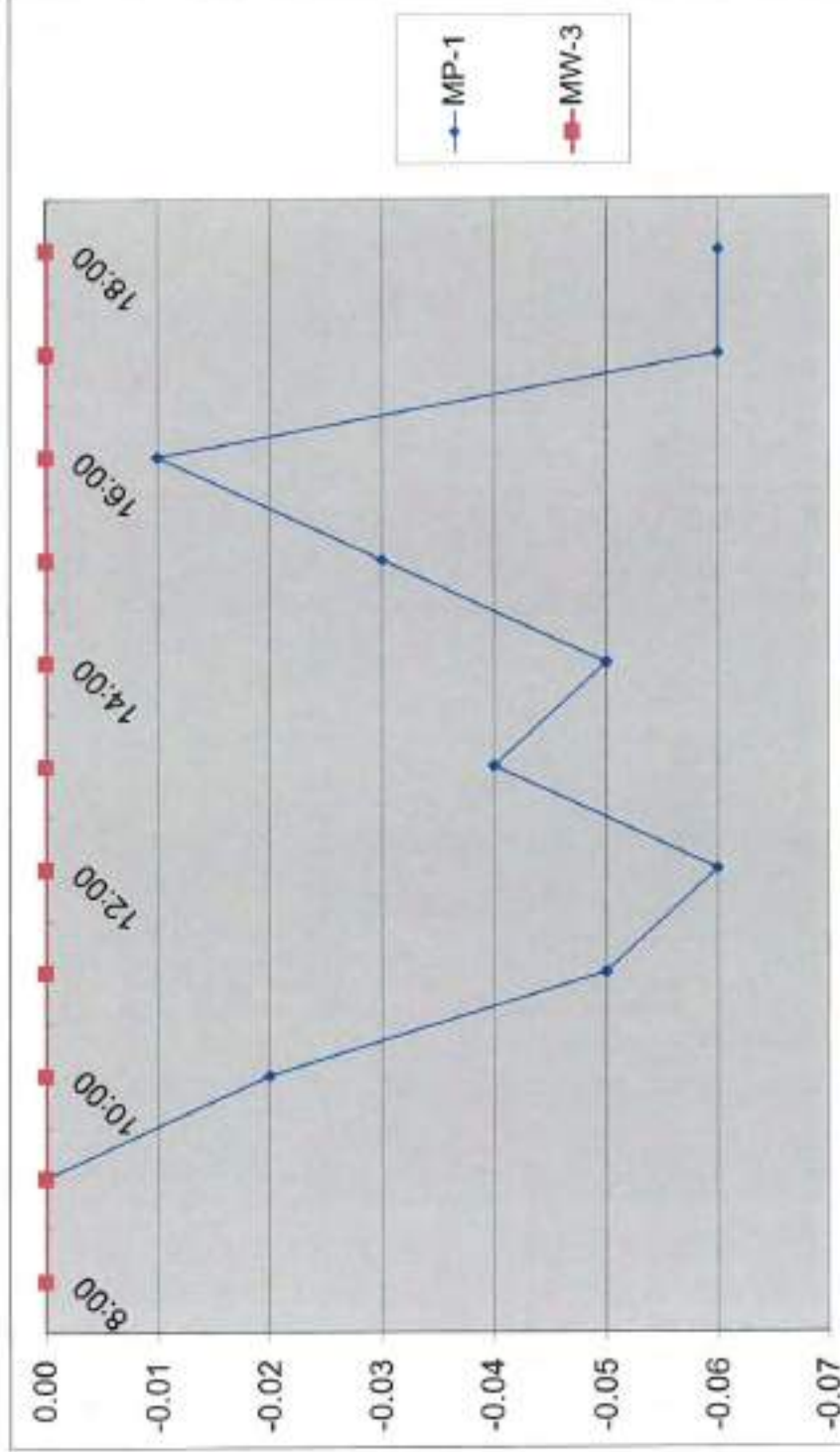


Table 5

Dual Phase Extraction Day Event Summary
Alliance Maintenance and Services, Inc.

Facility Name	Line NM1-1	Event Date	8-Jul-15	LPST #	0	Product Type Removed
Facility Address	Hobbs, NM	Event Number	15017-4	Facility ID	0	Gasoline
Test or Road Time	Thermax	Therm- Ox. Burn Temp	Conversion TPH ppmv to Soils	Vapor Removal Rate	Total Fuel Pumped / Siphoned	Total Fuel Removal Field Tests
24 hr. M. Time	to start	Fahrenheit	TPH	Lbs./Hr./CFM	Gals.	Gals.
9:00	-	73	1,429	1,75E-05	50,000	278
10:00	-	78	1,417	1,75E-05	50,000	391
11:00	-	80	1,419	1,75E-05	50,000	838
12:00	-	84	1,432	1,75E-05	50,000	1,151
13:00	-	88	1,451	1,75E-05	50,000	1,439
14:00	-	92	1,447	1,75E-05	50,000	1,687
15:00	-	97	1,456	1,75E-05	50,000	1,964
16:00	-	98	1,433	1,75E-05	50,000	2,210
17:00	-	98	1,421	1,75E-05	50,000	2,457
18:00	-	92	1,429	1,75E-05	50,000	2,811
Annex/hr.	10	58.00	1433.40	62590.00	23	2,811
Removed Water Stored in Poly Tank						2811

Executed By: Alliance Maintenance & Services Inc.
Equipment Operated By: Cesar Garcia and Jesse Torres
Field Testing By: Cesar Garcia and Jesse Torres

Vapor Phase Product Removed Using Laboratory Data

84	Average Pounds Vapor Phase per 10 Hour Event
13	Average Gallons Vapor Phase per 10 Hour Event
23	Gallons Liquid Phase Hydrocarbons recovered in tank
144	Pounds Liquid Phase Hydrocarbons recovered in tank
36	Total Gallons Hydrocarbons Removed
228	Total Pounds Hydrocarbons Removed

Abbreviations

MW = Monitoring Well	LB/LBS = Pounds
Fig = Memory	Gal = Gallon
WC = Water Column	lit = liter
CFM = Cubic Feet Minute	Mm = Meter
PPM = Parts per Million	

ANALYTICAL RESULTS

Project: 075017 Line NM1-1

Pace Project No.: 60498063

Sample: 075017-070815-MT-INF3 Lab ID: 60198063003 Collected: 07/08/15 16:00 Received: 07/09/15 09:45 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO3 GCV AIR BTEX BAG		Analytical Method: TO-3 Air						
Benzene	760	ppmv	21.9	219		07/10/15 16:37	71-43-2	
Ethylbenzene	117	ppmv	21.9	219		07/10/15 16:37	100-41-4	
Methyl-tert-butyl ether	354	ppmv	21.9	219		07/10/15 16:37	1634-04-4	A4
THC as Gas	22700	ppmv	219	219		07/10/15 16:37		E
Toluene	380	ppmv	21.9	219		07/10/15 16:37	108-88-3	
m&p-Xylene	94.4	ppmv	43.8	219		07/10/15 16:37	179601-23-1	
o-Xylene	33.4	ppmv	21.9	219		07/10/15 16:37	95-47-6	

Day 2

Λ

58.00°F
324.92 mmHg
1.75 mmHg
21.17 satm

REPORT OF LABORATORY ANALYSIS

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PERSO METERS CORPORATION
FLOW CALCULATION REPORT

Project: Harry Application: Edge

Customer Information			
Name : Project Manager	Date : 8 July 2018		
Company: Killam's Maintenance & Services, Inc.	Phone : 713-453-3030		
Address: 3100 W. 11th St., Houston, TX	Fax : 713-453-1094		
Ref. No.: Line 500-L, Bales, New Mexico	Tag No. : Day-Vac 2.5.4.3, 48 Flow Metering Equipment		
PO. No.:	PO. No.:		
Calculation done by :	Job / Location: Starfield		
Process Information			
Meter Type : Venturi	Pipe Size : 2.0	Schedule 40	
Meter Range : Low Loss (N/LP)	OD : 2.625 in.	Wall: 0.219	
	Pipe Mat. : Carbon Steel	Install: Horizontal	
Meter Mfg. : Brown/Brown	End/Met. Con: NPT		
Flow Medium : Gas -> Air	Tag MTR : 1/0 In. -MTR		
Rate : 0.0010	Type : Low Loss (N/LP)		
Transit Dia. : 1.3750 in.	Transit Material: Stainless Steel 316		
Fluid Information			
Flow Rate (GPM)	KGH: 11.37	MMSCF: 100.00	MAF: 100.00 IPT/Min
Temperature (KPa)	KGH: 58.00	MMSCF: 80.00	MAF: 80.00 P
Sp. Grav. (SG)	KGH: 1.0000	MMSCF: 1.0000	MAF: 1.0000
Density (SG)	KGH: 0.0147	MMSCF: 0.0147	MAF: 0.0147 (lb/ft³)
Pressure (KPa)	KGH: -314.30	MMSCF: -314.30	MAF: -314.30 in of H2O
Viscosity : 0.010000 Cp	CG/Ch (Spac. Heat Ratio) : 1.40		
Molecular Weight: 28.9660	Compressibility: 1.0000		
Installed Model			
Description : Low Loss (N/LP) 200 Brown/Brown NPT Horizontal			
Model Number : 8-200-10-NPT			
Flow Equation & Parameters			
Flow Formula No = (1/SG)*(1/11)**2 MMSCF: CG + B + C + D1**2 + Bx + Pm + Y + Pgm + Pdx + Pld + Pz + Pyn			
Basic Corr. Factor (B)	0.4361000000	Flow Flow Unit	SI : 0.0018
Pipe Diam. (DI)	2.617000	Thermal Expansion Factor (TEx)	1.000000
Compress. Factor (Pn)	0.0000	Pressure Base Factor (PpB)	1.000
Temp. Base Factor	1.010	Specific Gravity Factor (PsgF)	1.000
Flowing Pressure (PT) H2O	KGH: 3.000	MMSCF: 1.000	MAF: 1.000
Reynolds Number (Re)	KGH: 16000	MMSCF: 71432	MAF: 112340
Reynolds Factor (PRe)	KGH: 0.8887	MMSCF: 1.0000	MAF: 1.0000
Gas Expansion Factor (P)	KGH: 1.0000	MMSCF: 1.0000	MAF: 1.0000
Flow Temperature Factor (PTh)	KGH: 0.9741	MMSCF: 0.9741	MAF: 0.9741
Calculation Results			
Flow Rate (GPM)	KGH: 11.3700	MMSCF: 100.0000	MAF: 100.0000 IPT/Min
Flow Constant (CI)	KGH: 0.0100	MMSCF: 0.0100	MAF: 0.0100
Diff. Pressure (Dp)	KGH: 1.000	MMSCF: 40.000	MAF: 100.000 in of H2O
The accuracy of T/GP Series installed is accordance with ASME/ISO recommendations is +/- 1 percent uncalibrated coefficient of discharge subject to correction for Reynolds number dependency, or +/- 0.5 percent calibrated.			
WARNING			
Low Reynolds No. At: MA, RSD, Flow			
Max Pressure Loss = 4.5700 in of H2O (0.01 ft)			
Accuracy: +/- 2% At: MA, RSD, Flow			
Data = 0.0010			

Table 6

Alliance Maintenance & Services, Inc.

Calculated Vapor Concentration from Laboratory Data

Facility Name	Line NM1-1	Event Date	8-Jul-15
Facility Address	Hobbs, NM	Event Number	15017-4
Lab Name	Pace Analytical	Lab Name	Pace Analytical
Time	Results	Time	Results
One hour from beginning	ugl	One hour from beginning	ppmv
Midway through event	ugl	Midway through event	ppmv
Two Hours Prior to Ending	ugl	Two Hours Prior to Ending	ppmv
Average Well Flow SCFM	21.17	Average Well Flow SCFM	21.17
Average Lab results		Average lab results	22700
ugl X 28.32 liters per cubic foot equals ug/cu.ft.		21.17 Well Flow	
ug/cubic foot X average SCFM equals ug/minute		22700 Average Lab Results	
ug/minute /1,000,000,000 equals kg/minute		8.41651491 lbs per hour	
kg/minute X 2.20462 equals pounds/minute		84.1651491 lbs per 10 hour event	
pounds/minute X 600 minutes equals pounds per 10 hours			
pound per 10 hours/6.25 lb/gallon equals gallons/10 hour event			
0 ug/cu.ft.			
21.17 average SCFM			
0 ug/min.			
0 kg/min			
0 kg/10 hours			
0 lbs/10 hours			
0 gals/10 hours			
84 Average Pounds Vapor Phase per 10 Hour Event		13.4664239 Average Gallons Vapor Phase per 10 Hour Event	