Final

2017 Annual Groundwater Monitoring and Remediation Report

Maljamar Gas Plant
Lea County, New Mexico

Phillips 66 Company

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Executive Summary

GHD conducted annual groundwater monitoring on August 22, 2017 at the Phillips 66 Maljamar Gas Plant in Maljamar, New Mexico. Groundwater levels were measured in all site monitor wells using an oil/water interface probe prior to purging and sampling. Free product was detected in monitor wells MW 1, MW 4, MW 7, MW 9, SK 1 and SK 2 during the 2017 monitoring event.

Groundwater samples were collected from monitor wells MW 2, MW 3, MW 5, MW 8, MW 10, MW 11, MW 13, MW 15, MW 16, MW 17, MW 21, and MW-24. Groundwater samples were submitted under chain of custody documentation to Pace Analytical Laboratories of Lenexa, Kansas. The samples were analyzed for benzene, toluene, ethylbenzene, xylenes, chlorides and nitrates.

Groundwater samples collected from monitor wells MW 2, MW 3, MW 8 and MW-24 were reported by the laboratory above the New Mexico Water Quality Control Commission's (NMWQCC) groundwater quality standard for benzene during the annual monitoring event. Toluene was detected above the NMWQCC standard in monitor well MW-2. Chloride and total dissolved solids are no longer being reported based on letter presented as Appendix A. The letter indicates that chloride and total dissolved solids impacts are associated with the ConocoPhillips release. GHD will not be sampling for chlorides or total dissolved solids beginning in 2018.

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1. Introduction

On behalf of Phillips 66 Company (Phillips 66), GHD Services, Inc. (GHD) has prepared this 2017 Annual Groundwater Monitoring and Remediation Report for the Maljamar Gas Plant (Site). This report summarizes groundwater monitoring, sampling, and routine system operations and maintenance (O&M) activities at the Site in 2017. The report presents the following:

- Site description and history
- Regulatory framework
- Groundwater monitoring activities
- Groundwater remedial activities
- Summary and recommendations

2. Site Description and History

The Site is located in Lea County, New Mexico (Sec 21, T17S, R32E; Figure 1). Site remedial activities began in June 2000 following a condensate release. Following various investigations and remedial actions described below, the Site currently consists of 15 monitor wells and 3 recovery wells and one water well (Figure 2).

In June 2000, a subsurface investigation was performed to assess potential impacts to soil/groundwater underlying two earthen bermed areas where condensate was historically stored and a 15 barrel condensate release occurred on February 13, 2000. The assessment consisted of drilling, collecting and analyzing soil samples from twelve (12) soil borings. One monitor well (MW 1) was installed to a depth of 92 feet below ground surface (ft bgs). Data collected from this investigation was submitted to the New Mexico Oil Conservation Division (NMOCD) in the August 8, 2000 Subsurface Investigation Report (Maxim, 2000).

In September 2000, monitor wells MW 2 and MW 3 were installed at the Site.

In May 2001, monitor wells MW 4, MW 5, and MW 7 through MW 9 were installed at the Site. Wells installed during this investigation exhibited the presence of petroleum hydrocarbons. The results of this investigation were submitted to the NMOCD in the July 20, 2001 Interim Investigation Groundwater Report (Maxim, 2001).

In December 2001, monitor wells MW 10 through MW 13 were installed up-gradient from the release at the Site.

In March 2002, monitor well MW 14 was installed.

In September 2002, a groundwater investigation was performed to further delineate the groundwater flow to the north, northeast, east, southeast, south, and southwest of the Site and refine the site conceptual hydrogeologic model of the area around the gas plant. Monitor wells MW 15 through MW 20 were installed during this investigation. The water level elevations collected

during this investigation indicated that a well-defined groundwater mound located with a relatively uniform gradient emanates radially away from a point source toward the north, east, and south. To the west, groundwater was not encountered during the March 2002 drilling program. The results of this investigation were submitted to the NMOCD in the November 11, 2002 Interim Groundwater Investigation Report (Maxim, 2002).

In March and December 2002, condensate recovery wells SK 1 and SK 2 were installed at the Site, respectively.

In January 2003, a magnetometer survey was performed at the Site to locate suspected abandoned exploration wells in the area over the groundwater mound that underlies the Site. An early proposed hypothesis for the groundwater mounding conditions observed at the Site was that the water flood of the MCA production unit underlying the area of concern had found a pathway upward through an abandoned well or annulus space of an existing production well. However, no pathways were discovered during this survey.

In March 2003, a borehole geophysical investigation was initiated to ascertain the subsurface stratigraphy to facilitate free product removal and any subsequent groundwater remediation efforts.

In September 2003, an aquifer pump test was performed at the Site to gather hydrogeologic data from the uppermost saturated zone, exhibiting both condensate and chloride impacts, in order to develop a remediation plan. This data was also used to develop a water balance for the uppermost aquifer and an interpretive groundwater flow model to aid in estimating the effects of pumping a proposed well to be sited near wells SK 1 and MW 7. The results of the aquifer pump test and the magnetometer and borehole geophysical surveys conducted in 2003 were submitted to the NMOCD in the Comprehensive Groundwater Report, dated March 1, 2004 (Maxim, 2004a).

On March 31, 2004, groundwater extraction well MW 6 was installed in the vicinity of wells SK 1, SK 2 and MW 7. Well operation and control equipment was installed during April and May 2004 and groundwater extraction began on May 10, 2004. Water level measurements were collected weekly until September 2004, and continued monthly thereafter.

Results of the installation and initial operation of groundwater extraction well MW 6 were submitted to the NMOCD in the Groundwater Extraction Well Report, dated December 9, 2004 (Maxim, 2004b).

A Durham Geo F.A.P. Plus pneumatic skimmer pump (skimmer pump) was installed on December 15, 2005, based on the results of a hydrocarbon recovery pilot test performed at the Site in May 2005 (Maxim, 2005). The skimmer pump is alternated between wells SK 1, SK 2 and MW 7 to remove light non aqueous phase liquid (LNAPL) present in these wells.

A hydrocarbon recovery pilot test was performed at the Site on April 5, 2006. This data was used to evaluate the feasibility of installing a skimmer pump in MW 9 to remove the LNAPL present in this well. Results of the pilot test at MW 9 were reported in the Annual Groundwater Monitoring report dated September 22, 2006 (Tetra Tech, 2006).

On December 21, 2007, wells MW 6, MW 7, MW 12, MW 20, SK 1 and SK 2 were surveyed for location coordinates and elevation of top of casing (TOC).

On March 24, 2008, a skimmer pump was installed in MW 9.

On August 10, 2010, the skimmer pump was removed from MW 9 after the LNAPL thickness in this well was reduced to 0.10 feet. The skimmer pump was then installed in MW 1 to remove LNAPL present in this well.

In August 2011, on behalf of Phillips 66 (formerly ConocoPhillips), GHD (formerly CRA) assumed remedial oversight duties of the Site.

On August 15, 2013, the groundwater extraction pump in MW 6 was disconnected by GHD personnel due to pump failure. The pump was not replaced due to low groundwater levels at the Site.

In September 2013, monitor well MW 21 was installed to further delineate the groundwater flow to the south of the Site.

On October 17, 2014, following the separation of the downstream business (Phillips 66), a letter was submitted to the NMOCD listing wells that would be managed by ConocoPhillips (COP) and wells that would be managed as part of the ongoing investigation remedial activities at the Maljamar Gas Plant. Furthermore, MW 18 and MW 20 were noted to be well south of, and unrelated to condensate release. Therefore, monitor wells MW-18 and MW-20 would no longer be monitored at the Site.

In July 2015, monitor wells MW 22 and MW 23 were installed to further delineate the groundwater flow to the south and southeast of the Site.

In May 2017, a Mobile Dual Phase Extraction (MDPE) pilot test was performed and proved successful for recovering LNAPL from and reducing LNAPL thicknesses in wells MW-7, MW-1, MW-9, and MW-4. Following the pilot test a LNAPL Remediation System Installation Work Plan was submitted to the NMOCD in June 2017.

In July 2017, wells MW-24, RW-1, RW-2, and RW-3 were installed at the Site. The LNAPL system was installed in the 3rd quarter of 2017, following the groundwater sampling event in August 2017.

3. Regulatory Framework

The New Mexico Oil Conservation Division (NMOCD) is the regulatory agency overseeing the cleanup of petroleum hydrocarbon impacts associated with the Site. The NMOCD uses groundwater quality standards contained in Title 20, Chapter 6, Part 2, Section 3103 of the New Mexico Administrative Code (20.6.2.3103 NMAC[1]) for groundwater cleanup.

The New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards are listed in the following constituents of concern table for comparison purposes and evaluation of groundwater analytical results contained in this report.

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

Table 3.1 Groundwater Constituents of Concern Table

Constituents Of Concern	NMWQCC Standards (mg/L)
Benzene	0.01
Toluene	0.75
Ethylbenzene	0.75
Xylenes	0.62

Groundwater monitoring activities were performed on existing site monitoring and recovery wells (MW 1 through MW 11, MW 13, MW 15 through MW 17, MW 21, MW 24, SK 1 and SK 2) quarterly during 2017.

In July, 2017, GHD installed monitor well MW-24 to delineate LNAPL impacts between MW-9 and MW-4. During the same mobilization, GHD installed three recovery wells near MW-1, MW-3 and MW-9 to recover LNAPL via skimmer pumps. The well permits are presented as Appendix B.

3.1 Groundwater Level Data Collection

Quarterly groundwater level measurements were recorded from select monitor wells at the Site from January to December 2017. An oil/water interface probe was used to measure groundwater depths and check for the presence of LNAPL in each of the site monitor wells. Groundwater measurements proceeded from the cleanest wells to the wells containing LNAPL. The oil/water interface probe was cleaned with an Alconox®/distilled water solution and rinsed with de ionized water between each monitor well.

GHD personnel gauged 17 on site monitoring wells on August 21, 2017. Groundwater elevations ranged from 3901.18 feet above mean sea level (ft amsl) in MW 17 to 3930.31 ft amsl in MW 11. Regional groundwater flows to the southeast at an approximate gradient of 0.013 feet per foot (ft/ft).

Groundwater elevation data for 2017 is presented in Table 1; historical groundwater elevation data is presented in Table 2. The Groundwater Elevation Contour Map for the annual event is presented on Figure 3. A LNAPL Thickness Contour Map is presented on Figure 4.

3.2 Groundwater Sampling

On August 22, 2017, GHD personnel collected samples for the annual groundwater monitoring event. Groundwater samples were collected from 12 monitor wells MW 2, MW 3, MW 5, MW 8, MW 10, MW 11, MW 13, MW 15, MW 16, MW 17, MW 21, and MW-24. Free product was detected in monitor wells MW-1, MW-4, MW-7, MW-9, and skimmer wells (SK-1 and SK-2) during the 2017 monitoring event. Two duplicate samples were collected during the sampling event from monitor wells MW-10 and MW-24.

Samples were collected via traditional bailer method. The groundwater samples, including a duplicate sample, were collected with clean, disposable bailers, decanted into clean containers supplied by the analytical laboratory, placed on ice in an insulated cooler, and chilled to a temperature of approximately 40°F (4°C). The coolers were sealed for transport and shipped to Pace Analytical Services (Pace) in Lenexa, Kansas under chain of custody protocol.

Pace analyzed the groundwater samples for:

- Benzene, toluene, ethylbenzene, and xylenes (BTEX) by Environmental Protection Agency (EPA) Method 8260B
- Chloride and sulfate by EPA Method 300.0
- Nitrate as nitrogen by EPA Method 353.2
- Total dissolved solids (TDS) by Standard Method 2540C

3.3 Groundwater Analytical Results

The following results were noted from the August 2017 annual groundwater sampling event:

- Benzene was detected above the NMWQCC standard of 0.010 milligrams per liter (mg/L) in MW 2 at 57.8 mg/L, MW 3 at 1.73 mg/L, MW 8 at 10 mg/L and MW-24 at 0.0470 mg/L.
- Toluene was detected above the NMWQCC standard of 0.75 mg/L only in MW 2 at 13 mg/L. Ethylbenzene was not detected above the NMWQCC standard of 0.75 mg/L in samples collected during the August 2017 sampling event
- Xylenes were not detected above the NMWQCC standard in any of the samples collected during the August 2017 sampling event
- Chloride was detected above the NMWQCC standard of 250 mg/L in MW 2 at 614 mg/L; MW 3 at 823 mg/L; MW 5 at 635 mg/L; MW 8 at 632 mg/L; MW 10 at 2,340 mg/L; MW 11 at 492 mg/L; MW 17 at 568 mg/L; MW 21 at 1,220 mg/L, and MW-24 at 399 mg/L. It should be noted that chloride has been associated with the ConocoPhillips Maljamar Exploration and Production release, and not the Phillips 66 Maljamar Gas Plant release (see Appendix A)
- Sulfate was not detected above the NMWQCC standard of 600 mg/L in samples collected during the August 2017 sampling event
- Nitrate was detected above the NMWQCC standard of 10 mg/L in samples collected from MW-13 at 15.9 mg/L during the August 2017 sampling event. However, nitrate concentrations were below the NMWQCC standard in other wells.
- TDS were detected above the NMWQCC standard of 1,000 mg/L in MW 2 at 2,550 mg/L; MW 3 at 2,330 mg/L; MW 5 at 2,140 mg/L; MW-8 at 2,270 mg/L; MW 10 at 6,880 mg/L; MW 11 at 1,800 mg/L; MW 13 at 1,040 mg/L; MW 17 at 1,790 mg/L; MW 21 at 3,410 mg/L, and MW-24 at 1,540 mg/L

Analytical results for August 2017 are presented in Table 3 and on Figure 5. The Benzene Concentration Map is presented on Figure 6. The laboratory groundwater analytical report is presented as Appendix C. Historical groundwater analytical results summaries for BTEX, inorganics, and metals (calcium, magnesium, potassium, and sodium) are presented in Tables 4, 5, and 6, respectively.

4. Groundwater Remedial Activities

4.1 Groundwater Extraction and Hydrocarbon Recovery Operations

The groundwater extraction pump within MW 6 was removed by GHD personnel on August 15, 2013. Since initial startup on May 10, 2004, to its shutdown on August 15, 2013, approximately 1,654,944 gallons of groundwater has been extracted from MW 6.

Historically, a pneumatic skimmer pump was moved between wells SK 1, SK 2 and MW 7, depending on the thickness of LNAPL present in each of the three wells. Extracted LNAPL and minor amounts of groundwater are pumped to the onsite 210 bbl fluid storage tank via a manifold attached to the groundwater extraction well piping at MW 6.

A pneumatic skimmer pump was installed in monitor well MW 9 on March 24, 2008, based on the results of a hydrocarbon recovery pilot test performed at the well on April 5, 2006 (Tetra Tech, 2006). On August 10, 2010, the skimmer pump was removed from MW 9 and installed into MW 1 to remove LNAPL present in this well. Dedicated flow lines are installed from wells MW 9 and MW 1 to a manifold attached to the groundwater extraction well piping at MW 6.

Volumes of fluids removed by the skimmer pump from wells MW-1, MW-7, MW-9, SK-1 and SK-2 are registered on the extraction well MW 6 flow meter, and are part of the total extraction volume through 2013 presented as Appendix D. The historical data of groundwater quality measurements for discharge water from extraction well MW 6 and Historical Concentration vs. Volume graph for MW 6 are no longer being included in this reporting as it is associated with the COP release.

As of early 2015, the air line from the gas plant to MW 1 and MW 9 has been disconnected due to ongoing facility operations and the pump is no longer in use.

There are currently no LNAPL recovery pumps in operation at the site.

4.2 Mobile Dual Phase Extraction

In May 2017, a Mobile Dual Phase Extraction (MDPE) test was conducted in four wells at the Site. The tests evaluated the potential for removing liquid and vapor phase LNAPL from the groundwater table. The tests were conducted in wells MW-1, MW-4, MW-7, and MW-9 over a period of four, eight hour days. A total of 1,531 gallons groundwater and approximately 62.82 gallons of LNAPL including liquid and vapor phase was recovered during the test. A summary table of the MDPE data is presented below:

Table 5.1 MDPE Data Summary

	MW-1	MW-4	MW-7	MW-9
Event Hours	8	8	8	8
Groundwater Recovery (gallons)	175	815	284	257
LNAPL Recovery (Gallons)				
Liquid	4.37	8.62	4.26	30.50
Vapor	1.94	3.60	3.22	6.31
Total	6.2	7.97	33.72	14.93
Recovery Rate (gal/hour)	1.00	1.87	0.78	4.22

The AcuVac MDPE report is presented as Appendix E.

In July 2017, three recovery wells (RW-1, RW-2, and RW-3) and one monitoring well (MW-24 were installed as part of remedial activities. Pending approval from the property owner, the LNAPL recovery pumps will be installed in MW-1, MW-4, RW-1, RW-2 and RW-3.

5. Summary and Recommendations

Results of the August 2017 groundwater sampling event indicate concentrations of VOCs (BTEX), exceeding the NMWQCC Standards.

Based on the data and conclusions presented in this report, GHD recommends the following:

- Continue monitoring Site groundwater monitoring wells annually. Collect and analyze groundwater samples for VOCs (BTEX)
- Remove chloride, sulfate, and TDS from the sampling schedule as they pertain to the ConocoPhillips Maljamar E&P site (AP 115 1)
- Remove monitoring of MW 11 and MW 13 as they pertain to the ConocoPhillips Maljamar E&P Site (AP 115 1)
- Install skimmer pumps, piping, and product recovery tank and begin operation of free product recovery in MW-1, MW-9, RW-1, RW-2, and RW-3.
- Evaluate skimmer pump operations at SK 1, SK 2, and MW 7 and potentially replace aging product recovery system in this area.

- Collect quarterly groundwater level and LNAPL thickness data from the site groundwater monitoring wells

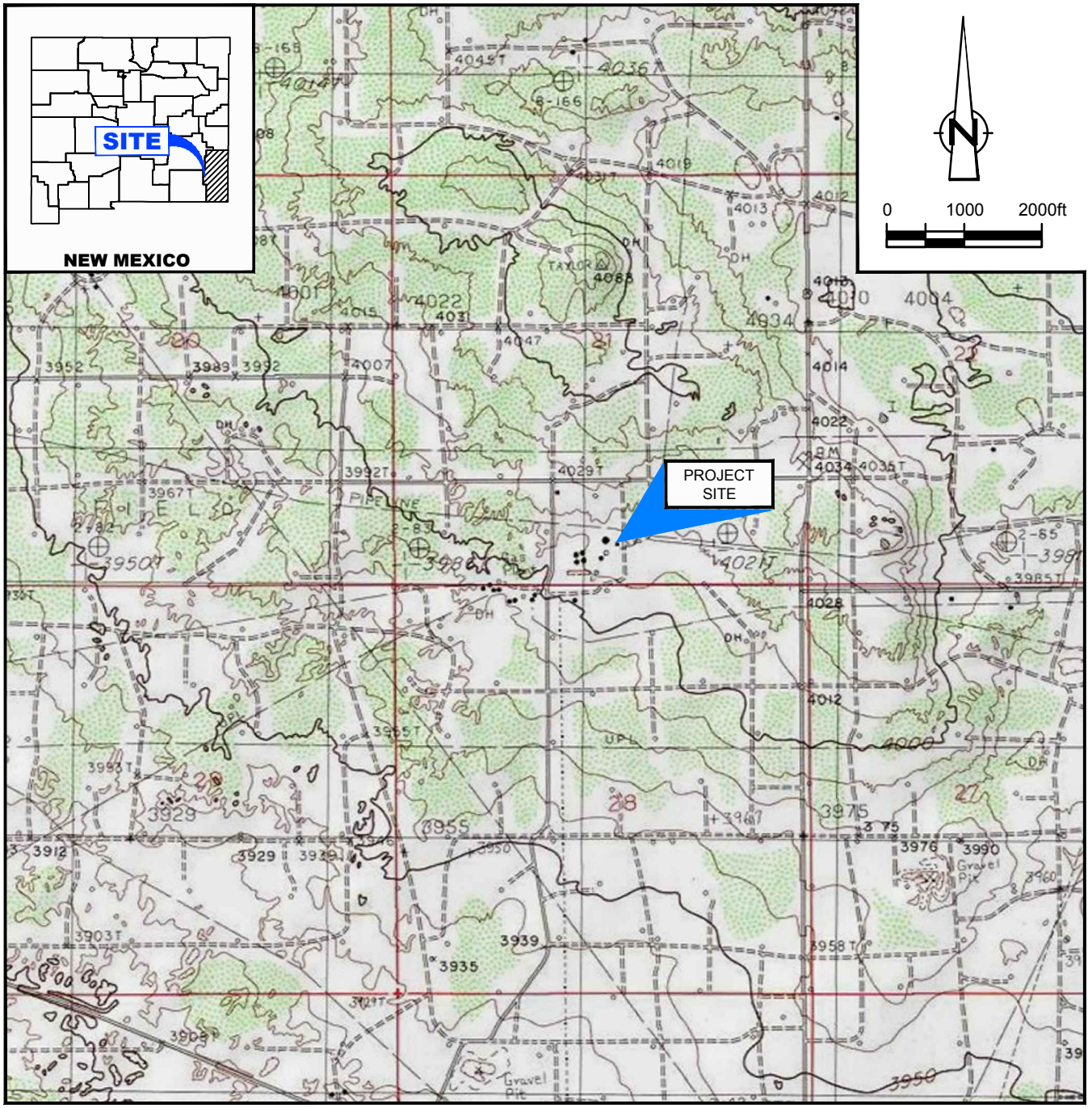
All of Which is Respectfully Submitted,

GHD

David Bonga
Project Manager

Chrissi Ruby
Portfolio Manager

Figures



SOURCE: USGS 7.5 MINUTE QUAD
"MALJAMAR, NEW MEXICO"

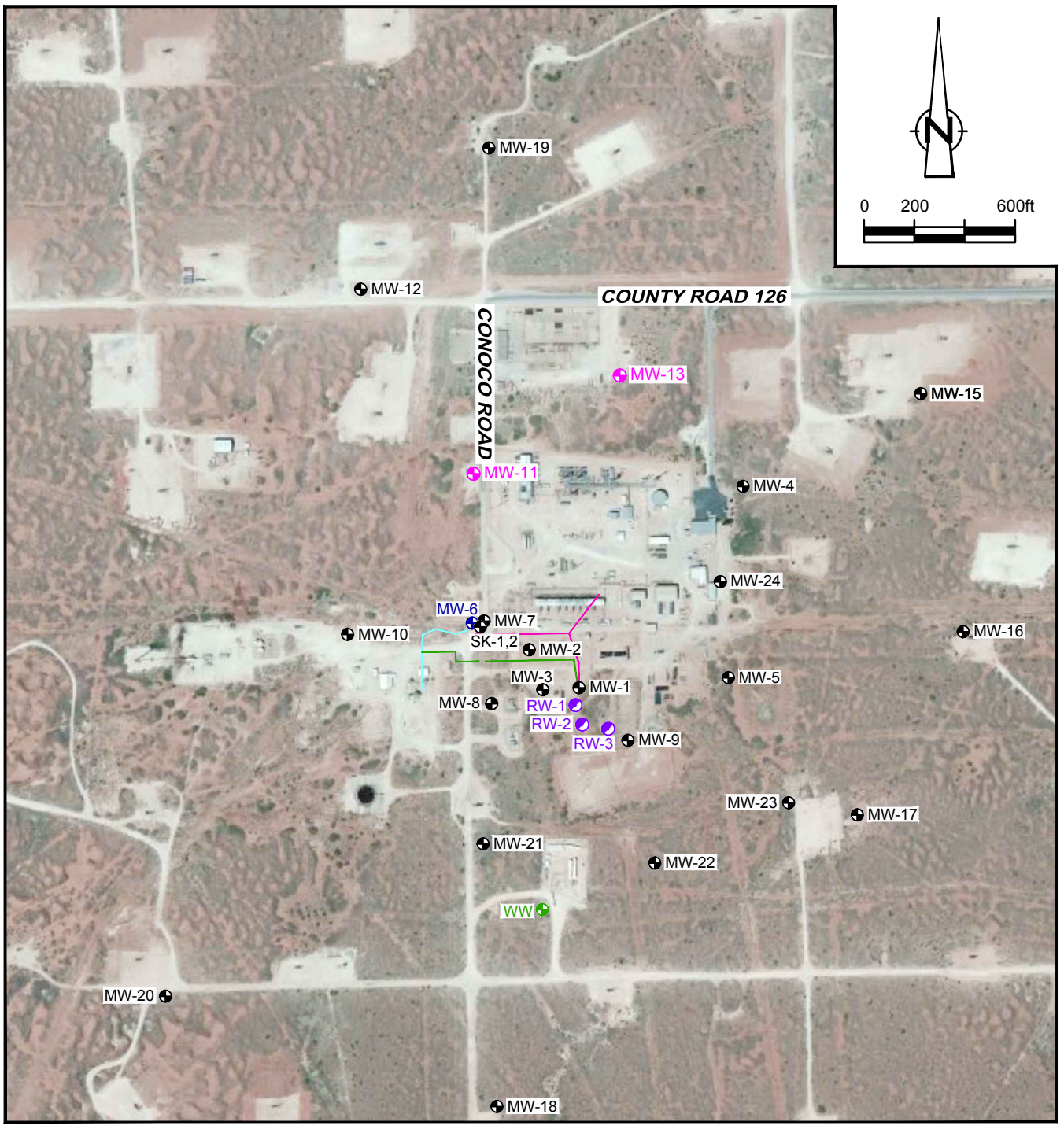
LAT/LONG: 32.8153° NORTH, 103.7719° WEST
COORDINATE: NAD83 DATUM, U.S. FOOT
STATE PLANE ZONE - NEW MEXICO EAST

Figure 1

SITE LOCATION MAP
MALJAMAR GAS PLANT
LEA COUNTY, NEW MEXICO
Phillips 66 Company

GHD

075018-00(015)GN-DL001 DEC 21, 2017



LEGEND

- Monitoring Well Location
- Extraction Well Location
- Water Well Location
- COP Well Location
- Recovery Well Location
- Product Line
- S.S. Airline
- Product and Water Line

LAT/LONG: 32.8153° NORTH, 103.7719° WEST
COORDINATE: NAD83 DATUM, U.S. FOOT
STATE PLANE ZONE - NEW MEXICO EAST

Figure 2

SITE DETAILS MAP
MALJAMAR GAS PLANT
LEA COUNTY, NEW MEXICO
Phillips 66 Company

GHD

075018-00(015)GN-DL001 JAN 9, 2018

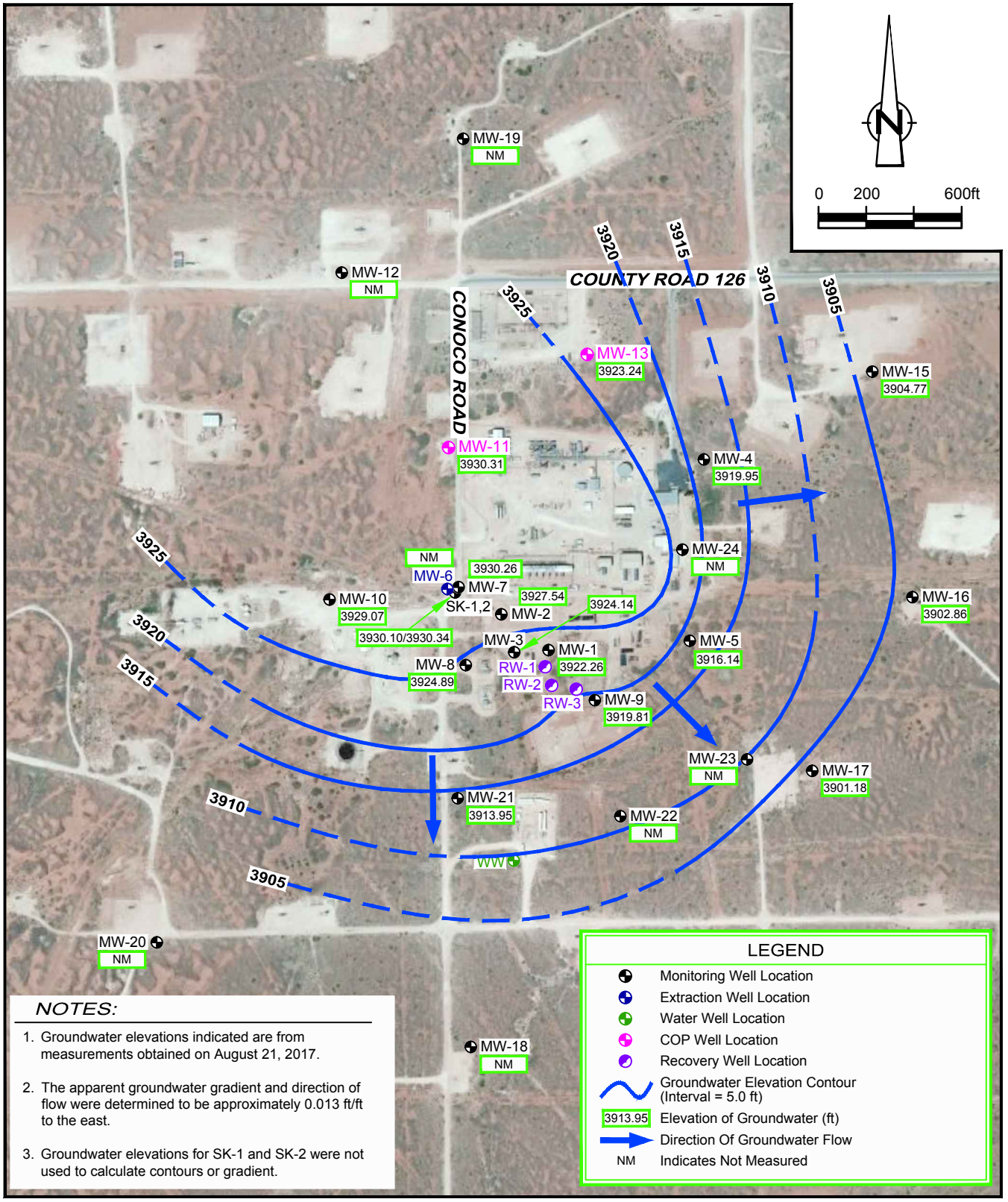


Figure 3

GROUNDWATER GRADIENT MAP - AUGUST 2017
MALJAMAR GAS PLANT
LEA COUNTY, NEW MEXICO
Phillips 66 Company

075018-00(015)GN-DL001 JAN 23, 2018

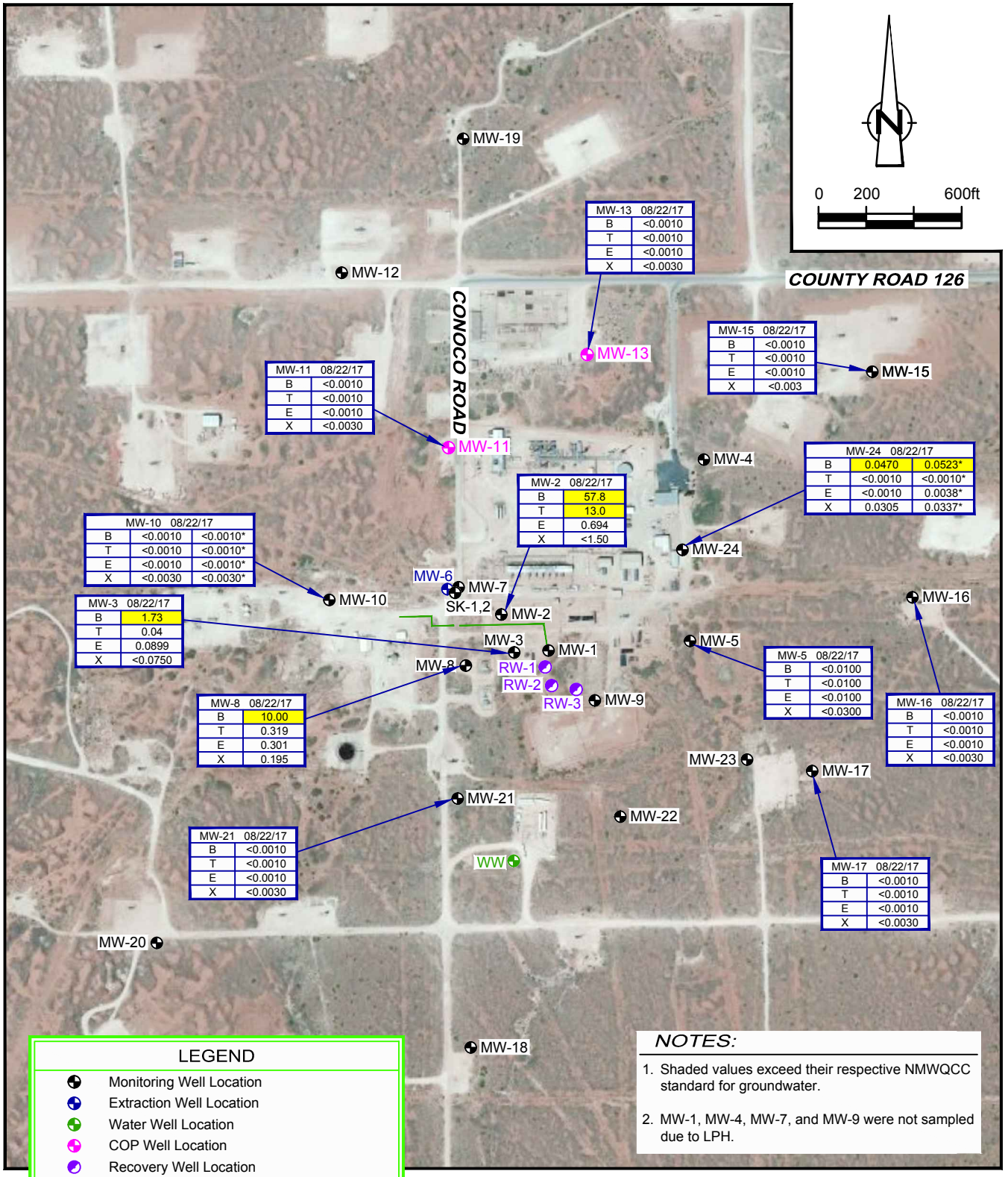


Figure 4

GROUNDWATER ANALYTICAL RESULTS - BTEX - AUGUST 2017
MALJAMAR GAS PLANT
LEA COUNTY, NEW MEXICO
Phillips 66 Company

GHD

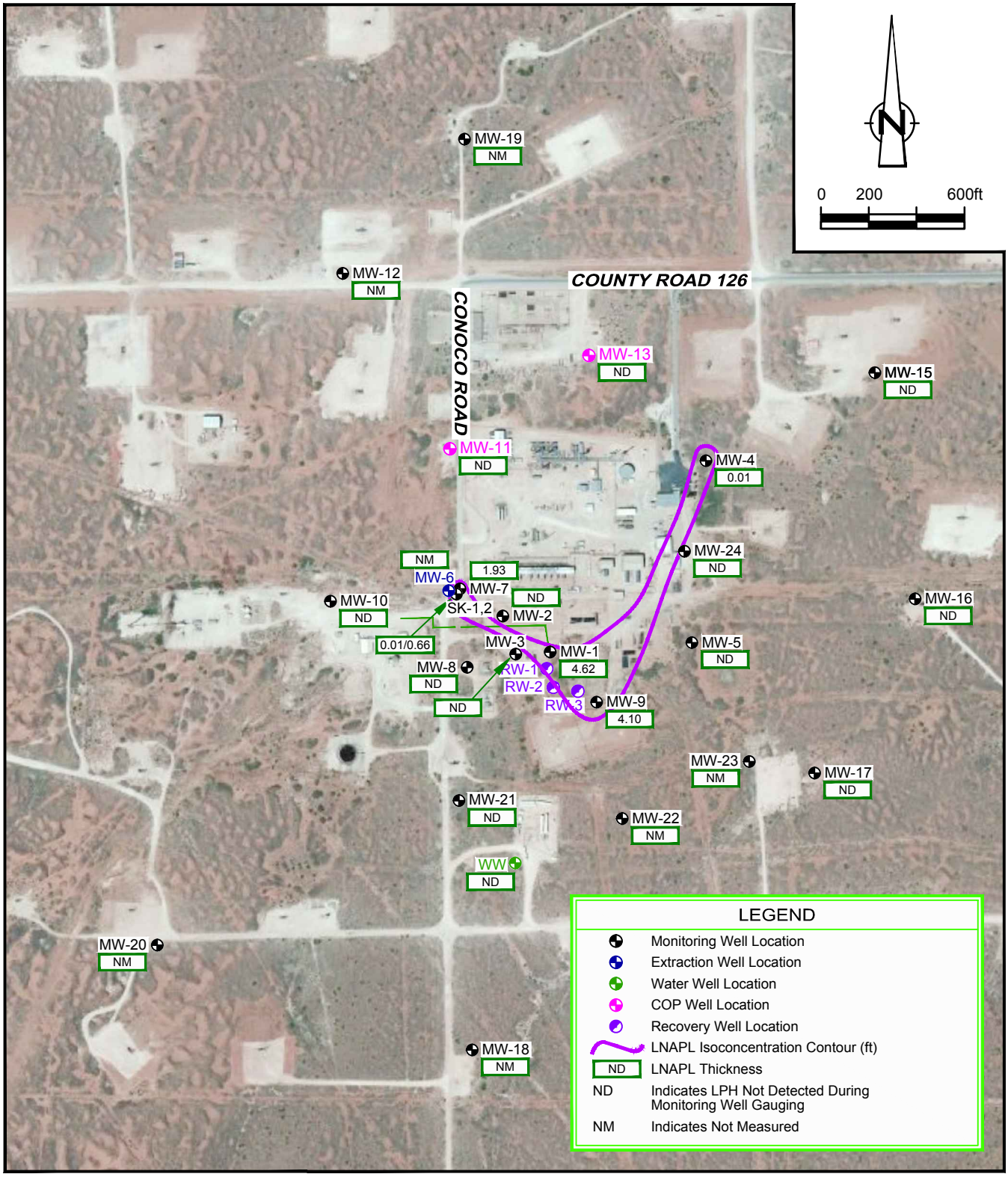


Figure 5

LIGHT NON-AQUEOUS PHASE LIQUIDS (LNAPL) THICKNESS CONTOUR MAP - AUGUST 2016
MALJAMAR GAS PLANT
LEA COUNTY, NEW MEXICO
Phillips 66 Company

GHD

075018-00(015)GN-DL001 JAN 23, 2018

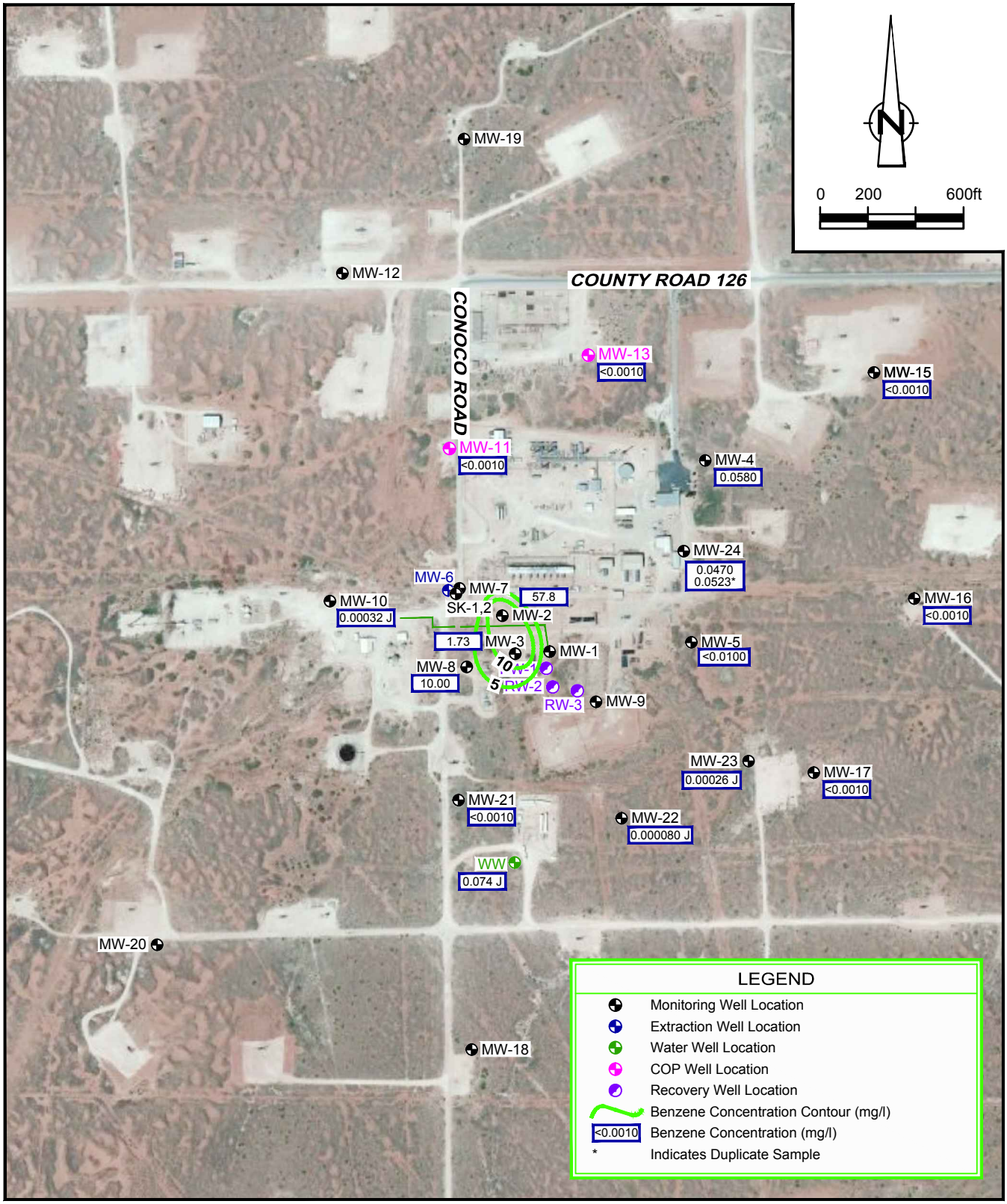


Figure 6

BENZENE CONCENTRATION MAP - AUGUST 2017
MALJAMAR GAS PLANT
LEA COUNTY, NEW MEXICO
Phillips 66 Company

GHD

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Tables

Table 1

2016 Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-1	01/16/17	4002.24	85.40	79.13	6.27	3921.86
MW-1	04/19/17	4002.24	85.48	78.89	6.59	3922.03
MW-1	05/17/17	4002.24	81.61	79.71	1.90	3922.15
MW-1	08/21/17	4002.24	83.68	79.06	4.62	3922.26
MW-2	01/16/17	4005.12	78.10	--	--	3927.02
MW-2	04/19/17	4005.12	77.76	--	--	3927.36
MW-2	05/17/17	4005.12	77.53	--	--	3927.59
MW-2	08/21/17	4005.12	77.58	--	--	3927.54
MW-3	01/16/17	4001.94	78.02	--	--	3923.92
MW-3	04/19/17	4001.94	77.85	--	--	3924.09
MW-3	05/17/17	4001.94	77.68	--	--	3924.26
MW-3	08/21/17	4001.94	77.80	--	--	3924.14
MW-4	01/16/17	4016.20	97.55	96.31	1.24	3919.64
MW-4	04/19/17	4016.20	97.10	93.31	3.79	3922.13
MW-4	05/17/17	4016.20	96.36	96.25	0.11	3919.93
MW-4	08/21/17	4016.20	96.26	96.25	0.01	3919.95
MW-5	01/16/17	4009.42	93.40	--	--	3916.02
MW-5	04/19/17	4009.42	93.26	--	--	3916.16
MW-5	05/17/17	4009.42	93.12	--	--	3916.30
MW-5	08/21/17	4009.42	93.28	--	--	3916.14
MW-7	01/16/17	4002.95	74.93	73.07	1.86	3929.51
MW-7	04/19/17	4002.95	74.69	73.08	1.61	3929.55
MW-7	05/17/17	4002.95	74.42	72.33	2.09	3930.20
MW-7	08/21/17	4002.95	74.23	72.30	1.93	3930.26
MW-8	01/16/17	4003.11	78.23	--	--	3924.88
MW-8	04/19/17	4003.11	78.23	--	--	3924.88
MW-8	05/17/17	4003.11	78.04	--	--	3925.07
MW-8	08/21/17	4003.11	78.22	--	--	3924.89

Table 1

2016 Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-9	01/16/17	4003.11	87.50	81.80	5.70	3920.17
MW-9	04/19/17	4003.11	87.55	81.90	5.65	3920.08
MW-9	05/17/17	4003.11	86.51	82.17	4.34	3920.07
MW-9	08/21/17	4003.11	86.58	82.48	4.10	3919.81
MW-10	01/16/17	4000.47	71.50	--	--	3928.97
MW-10	04/19/17	4000.47	71.46	--	--	3929.01
MW-10	05/17/17	4000.47	71.28	--	--	3929.19
MW-10	08/21/17	4000.47	71.40	--	--	3929.07
MW-11	01/16/17	4015.54	85.32	--	--	3930.22
MW-11	04/19/17	4015.54	85.33	--	--	3930.21
MW-11	05/17/17	4015.54	85.10	--	--	3930.44
MW-11	08/21/17	4015.54	85.23	--	--	3930.31
MW-13	01/16/17	4031.96	108.60	--	--	3923.36
MW-13	04/19/17	4031.96	108.65	--	--	3923.31
MW-13	05/17/17	4031.96	108.49	--	--	3923.47
MW-13	08/21/17	4031.96	108.72	--	--	3923.24
MW-15	01/16/17	4026.75	121.58	--	--	3905.17
MW-15	04/19/17	4026.75	121.74	--	--	3905.01
MW-15	05/17/17	4026.75	121.59	--	--	3905.16
MW-15	08/21/17	4026.75	121.98	--	--	3904.77
MW-16	01/16/17	4017.74	114.65	--	--	3903.09
MW-16	04/19/17	4017.74	114.73	--	--	3903.01
MW-16	05/17/17	4017.74	114.55	--	--	3903.19
MW-16	08/21/17	4017.74	114.88	--	--	3902.86
MW-17	01/16/17	3998.58	97.30	--	--	3901.28
MW-17	04/19/17	3998.58	97.34	--	--	3901.24
MW-17	05/17/17	3998.58	97.17	--	--	3901.41
MW-17	08/21/17	3998.58	97.40	--	--	3901.18

Table 1

2016 Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-21	01/16/17	3997.10	82.90	--	--	3914.20
MW-21	04/19/17	3997.10	83.02	--	--	3914.08
MW-21	05/17/17	3997.10	82.84	--	--	3914.26
MW-21	08/21/17	3997.10	83.15	--	--	3913.95
MW-22	01/16/17	4002.71	NM	NM	NM	NM
MW-22	04/19/17	4002.71	NM	NM	NM	NM
MW-22	05/17/17	4002.71	NM	NM	NM	NM
MW-22	08/21/17	4002.71	NM	NM	NM	NM
MW-23	01/16/17	4000.87	NM	NM	NM	NM
MW-23	04/19/17	4000.87	NM	NM	NM	NM
MW-23	05/17/17	4000.87	NM	NM	NM	NM
MW-23	08/21/17	4000.87	NM	NM	NM	NM
SK-1	01/16/17	4005.60	76.06	76.05	0.01	3929.55
SK-1	04/19/17	4005.60	75.84	75.81	0.03	3929.78
SK-1	05/17/17	4005.60	75.62	75.58	0.04	3930.01
SK-1	08/21/17	4005.60	75.51	75.50	0.01	3930.10
SK-2	01/16/17	4004.99	75.73	75.15	0.58	3929.72
SK-2	04/19/17	4004.99	75.43	74.86	0.57	3930.02
SK-2	05/17/17	4004.99	75.26	74.65	0.61	3930.22
SK-2	08/21/17	4004.99	75.18	74.52	0.66	3930.34

Notes:

LNAPL = Light non-aqueous phase liquid

Corrected groundwater elevation calculated using an assumed specific gravity value of 0.8 for LNAPL.

DRY = fluids not detected

NM = not measured

-- = not detected

Monitoring wells MW-6, MW-7, MW-12, MW-20, SK-1, and SK-2 were re-surveyed for location and elevation of top of casing on 12/21/07.

Monitoring wells MW-21, MW-22, and MW-23 were surveyed for location and elevation of top of casing on 08/25/2015

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-1	05/21/01	4002.24	78.25	--	--	3923.99
MW-1	06/29/01	4002.24	78.24	--	--	3924.00
MW-1	12/13/01	4002.24	78.66	--	--	3923.58
MW-1	03/22/02	4002.24	79.00	--	--	3923.24
MW-1	09/16/02	4002.24	79.44	79.25	0.19	3922.95
MW-1	09/20/02	4002.24	79.35	79.13	0.22	3923.07
MW-1	09/04/03	4002.24	78.34	--	--	3923.90
MW-1	04/05/04	4002.24	80.23	80.22	0.01	3922.02
MW-1	05/17/04	4002.24	81.32	80.28	1.04	3921.75
MW-1	05/24/04	4002.24	81.30	80.25	1.05	3921.78
MW-1	06/01/04	4002.24	81.36	80.30	1.06	3921.73
MW-1	06/07/04	4002.24	81.28	80.26	1.02	3921.78
MW-1	06/15/04	4002.24	81.43	80.36	1.07	3921.67
MW-1	06/21/04	4002.24	81.42	80.39	1.03	3921.64
MW-1	06/28/04	4002.24	81.69	80.58	1.11	3921.44
MW-1	07/06/04	4002.24	81.59	80.49	1.10	3921.53
MW-1	07/12/04	4002.24	81.67	80.57	1.10	3921.45
MW-1	07/19/04	4002.24	81.63	80.57	1.06	3921.46
MW-1	07/26/04	4002.24	81.82	80.72	1.10	3921.30
MW-1	08/02/04	4002.24	81.72	80.63	1.09	3921.39
MW-1	08/10/04	4002.24	81.82	80.72	1.10	3921.30
MW-1	08/16/04	4002.24	81.83	80.74	1.09	3921.28
MW-1	08/23/04	4002.24	81.61	80.57	1.04	3921.46
MW-1	08/30/04	4002.24	81.84	80.75	1.09	3921.27
MW-1	09/08/04	4002.24	81.91	80.83	1.08	3921.19
MW-1	10/08/04	4002.24	81.92	80.87	1.05	3921.16
MW-1	12/30/04	4002.24	81.94	80.97	0.97	3921.08
MW-1	01/17/05	4002.24	82.28	81.27	1.01	3920.77
MW-1	03/09/05	4002.24	82.30	81.23	1.07	3920.80
MW-1	04/05/05	4002.24	82.05	81.04	1.01	3921.00
MW-1	05/10/05	4002.24	82.15	81.16	0.99	3920.88
MW-1	06/08/05	4002.24	82.24	81.23	1.01	3920.81
MW-1	07/05/05	4002.24	82.49	81.43	1.06	3920.60
MW-1	08/08/05	4002.24	82.41	81.42	0.99	3920.62
MW-1	09/14/05	4002.24	82.33	81.35	0.98	3920.69
MW-1	10/12/05	4002.24	82.43	81.42	1.01	3920.62
MW-1	11/09/05	4002.24	82.48	81.46	1.02	3920.58
MW-1	12/14/05	4002.24	82.28	81.30	0.98	3920.74
MW-1	01/12/06	4002.24	82.15	81.21	0.94	3920.84
MW-1	02/02/06	4002.24	82.08	81.11	0.97	3920.94
MW-1	03/07/06	4002.24	82.23	81.29	0.94	3920.76
MW-1	04/05/06	4002.24	82.16	81.22	0.94	3920.83

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-1	05/08/06	4002.24	82.05	81.11	0.94	3920.94
MW-1	06/05/06	4002.24	82.09	81.15	0.94	3920.90
MW-1	07/11/06	4002.24	82.06	81.11	0.95	3920.94
MW-1	08/16/06	4002.24	82.03	81.08	0.95	3920.97
MW-1	09/07/06	4002.24	81.83	80.93	0.90	3921.13
MW-1	10/11/06	4002.24	81.77	80.89	0.88	3921.17
MW-1	11/08/06	4002.24	81.65	80.79	0.86	3921.28
MW-1	12/04/06	4002.24	82.08	81.23	0.85	3920.84
MW-1	01/04/07	4002.24	81.51	80.68	0.83	3921.39
MW-1	02/27/07	4002.24	81.35	80.48	0.87	3921.59
MW-1	03/20/07	4002.24	81.48	80.61	0.87	3921.46
MW-1	04/17/07	4002.24	81.31	80.47	0.84	3921.60
MW-1	05/07/07	4002.24	81.43	80.54	0.89	3921.52
MW-1	06/27/07	4002.24	81.25	80.35	0.90	3921.71
MW-1	07/19/07	4002.24	81.16	80.28	0.88	3921.78
MW-1	08/21/07	4002.24	81.03	80.12	0.91	3921.94
MW-1	09/17/07	4002.24	81.05	80.14	0.91	3921.92
MW-1	10/16/07	4002.24	80.85	79.91	0.94	3922.14
MW-1	11/20/07	4002.24	81.00	80.05	0.95	3922.00
MW-1	12/21/07	4002.24	80.85	79.88	0.97	3922.17
MW-1	01/22/08	4002.24	81.06	79.97	1.09	3922.05
MW-1	02/27/08	4002.24	81.05	79.90	1.15	3922.11
MW-1	03/25/08	4002.24	80.94	79.70	1.24	3922.29
MW-1	04/29/08	4002.24	81.03	79.59	1.44	3922.36
MW-1	05/05/08	4002.24	81.00	79.51	1.49	3922.43
MW-1	06/10/08	4002.24	81.20	79.35	1.85	3922.52
MW-1	07/15/08	4002.24	81.44	79.23	2.21	3922.57
MW-1	08/19/08	4002.24	81.70	79.05	2.65	3922.66
MW-1	09/16/08	4002.24	82.10	79.10	3.00	3922.54
MW-1	10/15/08	4002.24	82.25	78.91	3.34	3922.66
MW-1	11/12/08	4002.24	82.19	78.63	3.56	3922.90
MW-1	12/11/08	4002.24	82.58	78.70	3.88	3922.76
MW-1	01/13/09	4002.24	82.95	78.74	4.21	3922.66
MW-1	02/11/09	4002.24	82.78	78.40	4.38	3922.96
MW-1	03/10/09	4002.24	82.72	78.31	4.41	3923.05
MW-1	04/13/09	4002.24	82.90	78.24	4.66	3923.07
MW-1	05/01/09	4002.24	82.82	78.11	4.71	3923.19
MW-1	06/08/09	4002.24	82.78	77.97	4.81	3923.31
MW-1	07/13/09	4002.24	82.95	78.00	4.95	3923.25
MW-1	08/10/09	4002.24	83.09	77.97	5.12	3923.25
MW-1	09/15/09	4002.24	83.02	77.78	5.24	3923.41
MW-1	10/06/09	4002.24	83.01	77.78	5.23	3923.41

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-1	11/09/09	4002.24	83.23	77.88	5.35	3923.29
MW-1	12/23/09	4002.24	82.85	77.48	5.37	3923.69
MW-1	01/20/10	4002.24	82.83	77.47	5.36	3923.70
MW-1	02/09/10	4002.24	83.33	77.78	5.55	3923.35
MW-1	03/09/10	4002.24	82.99	77.55	5.44	3923.60
MW-1	04/12/10	4002.24	83.30	77.78	5.52	3923.36
MW-1	05/24/10	4002.24	83.17	77.65	5.52	3923.49
MW-1	06/14/10	4002.24	83.29	77.87	5.42	3923.29
MW-1	07/20/10	4002.24	83.37	77.82	5.55	3923.31
MW-1	08/10/10	4002.24	85.43	79.86	5.57	3921.27
MW-1	08/11/10	4002.24	79.07	79.05	0.02	3923.19
MW-1	08/18/10	4002.24	81.16	81.07	0.09	3921.15
MW-1	09/21/10	4002.24	78.98	78.89	0.09	3923.33
MW-1	09/28/10	4002.24	78.07	77.96	0.11	3924.26
MW-1	11/08/10	4002.24	79.03	78.91	0.12	3923.31
MW-1	12/07/10	4002.24	79.08	78.95	0.13	3923.26
MW-1	01/18/11	4002.24	79.18	79.10	0.08	3923.12
MW-1	02/08/11	4002.24	79.97	78.83	1.14	3923.18
MW-1	03/08/11	4002.24	79.13	78.92	0.21	3923.28
MW-1	04/13/11	4002.24	79.21	78.98	0.23	3923.21
MW-1	05/23/11	4002.24	79.20	78.95	0.25	3923.24
MW-1	06/28/11	4002.24	79.54	79.17	0.37	3923.00
MW-1	07/19/11	4002.24	79.36	79.04	0.32	3923.14
MW-1	08/31/11	4002.24	81.38	81.07	0.31	3921.11
MW-1	09/27/11	4002.24	81.40	81.10	0.30	3921.08
MW-1	10/24/11	4002.24	81.24	80.99	0.25	3921.20
MW-1	11/29/11	4002.24	81.59	81.32	0.27	3920.87
MW-1	12/23/11	4002.24	81.68	81.36	0.32	3920.82
MW-1	01/31/12	4002.24	81.59	81.34	0.25	3920.85
MW-1	02/29/12	4002.24	81.58	81.43	0.15	3920.78
MW-1	03/27/12	4002.24	81.62	81.44	0.18	3920.76
MW-1	04/18/12	4002.24	81.59	81.44	0.15	3920.77
MW-1	05/21/12	4002.24	81.81	81.68	0.13	3920.53
MW-1	07/17/12	4002.24	81.64	81.50	0.14	3920.71
MW-1	08/21/12	4002.24	81.70	81.62	0.08	3920.60
MW-1	09/17/12	4002.24	81.59	81.51	0.08	3920.71
MW-1	12/13/12	4002.24	NM	NM	NM	NM
MW-1	01/09/13	4002.24	82.17	82.09	0.08	3920.13
MW-1	02/06/13	4002.24	81.99	81.92	0.07	3920.31
MW-1	03/06/13	4002.24	NM	NM	NM	NM
MW-1	05/01/13	4002.24	82.25	82.18	0.07	3920.05
MW-1	06/05/13	4002.24	82.34	--	--	3919.90

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-1	07/03/13	4002.24	82.59	--	--	3919.65
MW-1	07/30/13	4002.24	82.78	--	--	3919.46
MW-1	08/15/13	4002.24	82.74	--	--	3919.50
MW-1	10/02/13	4002.24	83.12	--	--	3919.12
MW-1	12/23/13	4002.24	83.36	--	--	3918.88
MW-1	01/09/14	4002.24	82.90	--	--	3919.34
MW-1	02/12/14	4002.24	83.07	--	--	3919.17
MW-1	03/19/14	4002.24	83.36	--	--	3918.88
MW-1	04/03/14	4002.24	NM	NM	NM	NM
MW-1	05/07/14	4002.24	82.92	--	--	3919.32
MW-1	06/05/14	4002.24	83.03	--	--	3919.21
MW-1	07/01/14	4002.24	83.34	--	--	3918.90
MW-1	07/22/14	4002.24	83.37	--	--	3918.87
MW-1	08/05/14	4002.24	83.34	--	--	3918.90
MW-1	09/04/14	4002.24	83.31	--	--	3918.93
MW-1	10/02/14	4002.24	83.40	--	--	3918.84
MW-1	11/06/14	4002.24	83.79	--	--	3918.45
MW-1	12/04/14	4002.24	83.35	--	--	3918.89
MW-1	01/15/15	4002.24	83.46	--	--	3918.78
MW-1	04/21/15	4002.24	82.65	--	--	3919.59
MW-1	05/15/15	4002.24	82.60	--	--	3919.64
MW-1	06/11/15	4002.24	82.60	--	--	3919.64
MW-1	08/24/15	4002.24	82.60	--	--	3919.64
MW-1	09/02/15	4002.24	82.49	--	--	3919.75
MW-1	10/05/15	4002.24	82.50	--	--	3919.74
MW-1	11/23/15	4002.24	82.15	--	--	3920.09
MW-1	01/20/16	4002.24	81.56	--	--	3920.68
MW-1	02/16/16	4002.24	81.54	--	--	3920.70
MW-1	03/15/16	4002.24	81.39	--	--	3920.85
MW-1	04/20/16	4002.24	81.29	--	--	3920.95
MW-1	05/18/16	4002.24	81.38	--	--	3920.86
MW-1	06/21/16	4002.24	81.37	81.29	0.08	3920.93
MW-1	08/08/16	4002.24	81.91	80.75	1.16	3921.26
MW-1	08/16/16	4002.24	82.21	80.97	1.24	3921.02
MW-1	09/20/16	4002.24	82.97	80.62	2.35	3921.15
MW-1	10/18/16	4002.24	83.55	80.27	3.28	3921.31
MW-1	12/20/16	4002.24	85.34	79.77	5.57	3921.36
MW-1	01/16/17	4002.24	85.40	79.13	6.27	3921.86
MW-1	04/19/17	4002.24	85.48	78.89	6.59	3922.03
MW-1	05/17/17	4002.24	81.61	79.71	1.90	3922.15
MW-1	08/21/17	4002.24	83.68	79.06	4.62	3922.26

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-2	05/21/01	4005.12	76.63	--	--	3928.49
MW-2	06/29/01	4005.12	76.57	--	--	3928.55
MW-2	12/13/01	4005.12	76.94	--	--	3928.18
MW-2	02/28/02	4005.12	76.92	--	--	3928.20
MW-2	03/22/02	4005.12	77.29	--	--	3927.83
MW-2	09/16/02	4005.12	77.57	--	--	3927.55
MW-2	09/20/02	4005.12	77.47	--	--	3927.65
MW-2	04/05/04	4005.12	80.23	--	--	3924.89
MW-2	05/17/04	4005.12	78.62	--	--	3926.50
MW-2	05/24/04	4005.12	78.81	--	--	3926.31
MW-2	06/01/04	4005.12	79.06	--	--	3926.06
MW-2	06/07/04	4005.12	79.04	--	--	3926.08
MW-2	06/15/04	4005.12	79.20	--	--	3925.92
MW-2	06/21/04	4005.12	79.23	--	--	3925.89
MW-2	06/28/04	4005.12	79.54	--	--	3925.58
MW-2	07/06/04	4005.12	79.38	--	--	3925.74
MW-2	07/12/04	4005.12	79.50	--	--	3925.62
MW-2	07/19/04	4005.12	79.45	--	--	3925.67
MW-2	07/26/04	4005.12	79.68	--	--	3925.44
MW-2	08/02/04	4005.12	79.52	--	--	3925.60
MW-2	08/10/04	4005.12	79.66	--	--	3925.46
MW-2	08/16/04	4005.12	79.65	--	--	3925.47
MW-2	08/23/04	4005.12	79.39	--	--	3925.73
MW-2	08/30/04	4005.12	79.64	--	--	3925.48
MW-2	09/08/04	4005.12	79.94	79.73	0.21	3925.35
MW-2	10/08/04	4005.12	79.73	--	--	3925.39
MW-2	12/30/05	4005.12	79.71	--	--	3925.41
MW-2	01/17/05	4005.12	79.85	--	--	3925.27
MW-2	03/09/05	4005.12	80.00	--	--	3925.12
MW-2	04/05/05	4005.12	79.72	--	--	3925.40
MW-2	05/10/05	4005.12	79.77	--	--	3925.35
MW-2	06/08/05	4005.12	79.83	--	--	3925.29
MW-2	07/05/05	4005.12	80.13	--	--	3924.99
MW-2	08/08/05	4005.12	80.03	--	--	3925.09
MW-2	09/14/05	4005.12	79.69	--	--	3925.43
MW-2	10/12/05	4005.12	79.59	79.59	0.00	3925.53
MW-2	11/09/05	4005.12	79.58	--	--	3925.54
MW-2	12/14/05	4005.12	79.58	--	--	3925.54
MW-2	01/12/06	4005.12	79.21	--	--	3925.91
MW-2	02/02/06	4005.12	79.22	--	--	3925.90
MW-2	03/07/06	4005.12	79.71	--	--	3925.41
MW-2	04/05/06	4005.12	79.91	79.90	0.01	3925.22

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-2	05/08/06	4005.12	79.62	--	--	3925.50
MW-2	06/05/06	4005.12	79.64	--	--	3925.48
MW-2	07/11/06	4005.12	79.56	--	--	3925.56
MW-2	08/16/06	4005.12	79.11	--	--	3926.01
MW-2	09/07/06	4005.12	79.15	--	--	3925.97
MW-2	10/11/06	4005.12	79.22	79.21	0.01	3925.91
MW-2	11/08/06	4005.12	79.04	--	--	3926.08
MW-2	12/04/06	4005.12	79.68	--	--	3925.44
MW-2	01/04/07	4005.12	78.79	--	--	3926.33
MW-2	02/27/07	4005.12	78.78	78.77	0.01	3926.35
MW-2	03/20/07	4005.12	79.31	79.30	0.01	3925.82
MW-2	04/17/07	4005.12	79.40	79.39	0.01	3925.73
MW-2	05/07/07	4005.12	79.30	--	--	3925.82
MW-2	06/27/07	4005.12	78.98	--	--	3926.14
MW-2	07/19/07	4005.12	78.85	--	--	3926.27
MW-2	08/21/07	4005.12	78.71	--	--	3926.41
MW-2	09/17/07	4005.12	78.72	--	--	3926.40
MW-2	10/16/07	4005.12	78.61	--	--	3926.51
MW-2	11/20/07	4005.12	78.67	--	--	3926.45
MW-2	12/21/07	4005.12	78.47	--	--	3926.65
MW-2	01/22/08	4005.12	78.78	--	--	3926.34
MW-2	02/27/08	4005.12	78.35	--	--	3926.77
MW-2	03/25/08	4005.12	78.40	--	--	3926.72
MW-2	04/29/08	4005.12	78.48	--	--	3926.64
MW-2	05/05/08	4005.12	78.41	--	--	3926.71
MW-2	06/10/08	4005.12	78.42	--	--	3926.70
MW-2	07/15/08	4005.12	78.36	--	--	3926.76
MW-2	08/19/08	4005.12	77.95	--	--	3927.17
MW-2	09/16/08	4005.12	78.09	--	--	3927.03
MW-2	10/15/08	4005.12	77.99	--	--	3927.13
MW-2	11/12/08	4005.12	77.74	--	--	3927.38
MW-2	12/11/08	4005.12	78.14	--	--	3926.98
MW-2	01/13/09	4005.12	78.43	--	--	3926.69
MW-2	02/11/09	4005.12	78.03	--	--	3927.09
MW-2	03/10/09	4005.12	77.90	--	--	3927.22
MW-2	04/13/09	4005.12	78.03	--	--	3927.09
MW-2	05/01/09	4005.12	77.89	--	--	3927.23
MW-2	06/08/09	4005.12	77.77	--	--	3927.35
MW-2	07/13/09	4005.12	77.81	--	--	3927.31
MW-2	08/10/09	4005.12	77.86	--	--	3927.26
MW-2	09/15/09	4005.12	77.70	--	--	3927.42
MW-2	10/06/09	4005.12	77.58	--	--	3927.54

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-2	11/09/09	4005.12	77.83	--	--	3927.29
MW-2	12/23/09	4005.12	77.35	--	--	3927.77
MW-2	01/20/10	4005.12	77.29	--	--	3927.83
MW-2	02/09/10	4005.12	77.87	--	--	3927.25
MW-2	03/09/10	4005.12	77.52	--	--	3927.60
MW-2	04/12/10	4005.12	77.86	--	--	3927.26
MW-2	05/24/10	4005.12	77.79	--	--	3927.33
MW-2	06/14/10	4005.12	77.62	--	--	3927.50
MW-2	07/20/10	4005.12	77.84	--	--	3927.28
MW-2	08/11/10	4005.12	77.83	--	--	3927.29
MW-2	09/21/10	4005.12	77.75	--	--	3927.37
MW-2	11/08/10	4005.12	77.77	--	--	3927.35
MW-2	12/07/10	4005.12	77.92	--	--	3927.20
MW-2	01/18/11	4005.12	78.00	--	--	3927.12
MW-2	02/08/11	4005.12	77.82	--	--	3927.30
MW-2	03/08/11	4005.12	77.40	--	--	3927.72
MW-2	04/13/11	4005.12	77.48	--	--	3927.64
MW-2	05/23/11	4005.12	77.31	--	--	3927.81
MW-2	06/28/11	4005.12	78.25	--	--	3926.87
MW-2	07/19/11	4005.12	78.27	--	--	3926.85
MW-2	08/31/11	4005.12	78.26	--	--	3926.86
MW-2	09/27/11	4005.12	78.31	--	--	3926.81
MW-2	10/24/11	4005.12	78.32	--	--	3926.80
MW-2	11/29/11	4005.12	78.62	--	--	3926.50
MW-2	12/23/11	4005.12	78.44	--	--	3926.68
MW-2	01/31/12	4005.12	78.41	--	--	3926.71
MW-2	02/29/12	4005.12	78.56	--	--	3926.56
MW-2	03/27/12	4005.12	78.55	--	--	3926.57
MW-2	04/18/12	4005.12	78.70	--	--	3926.42
MW-2	05/21/12	4005.12	79.00	--	--	3926.12
MW-2	07/17/12	4005.12	78.25	--	--	3926.87
MW-2	08/21/12	4005.12	78.15	--	--	3926.97
MW-2	09/17/12	4005.12	78.02	--	--	3927.10
MW-2	12/13/12	4005.12	NM	NM	NM	NM
MW-2	01/09/13	4005.12	78.49	--	--	3926.63
MW-2	02/06/13	4005.12	78.36	--	--	3926.76
MW-2	03/06/12	4005.12	NM	NM	NM	NM
MW-2	05/01/13	4005.12	78.40	--	--	3926.72
MW-2	06/05/13	4005.12	79.24	--	--	3925.88
MW-2	07/03/13	4005.12	79.67	--	--	3925.45
MW-2	07/30/13	4005.12	79.73	--	--	3925.39
MW-2	08/15/13	4005.12	79.53	--	--	3925.59

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-2	10/02/13	4005.12	79.68	--	--	3925.44
MW-2	12/23/13	4005.12	79.43	--	--	3925.69
MW-2	01/09/14	4005.12	79.15	--	--	3925.97
MW-2	02/12/14	4005.12	79.35	--	--	3925.77
MW-2	03/19/14	4005.12	79.50	--	--	3925.62
MW-2	04/03/14	4005.12	NM	NM	NM	NM
MW-2	05/07/14	4005.12	79.19	--	--	3925.93
MW-2	06/05/14	4005.12	79.26	--	--	3925.86
MW-2	07/01/14	4005.12	79.46	--	--	3925.66
MW-2	07/22/14	4005.12	79.62	--	--	3925.50
MW-2	08/05/14	4005.12	79.72	--	--	3925.40
MW-2	09/04/14	4005.12	79.50	--	--	3925.62
MW-2	10/02/14	4005.12	79.66	--	--	3925.46
MW-2	11/06/14	4005.12	80.00	--	--	3925.12
MW-2	12/04/14	4005.12	79.68	--	--	3925.44
MW-2	01/15/15	4005.12	79.97	--	--	3925.15
MW-2	04/21/15	4005.12	79.54	--	--	3925.58
MW-2	05/15/15	4005.12	79.56	--	--	3925.56
MW-2	06/11/15	4005.12	79.53	--	--	3925.59
MW-2	08/24/15	4005.12	79.73	--	--	3925.39
MW-2	09/02/15	4005.12	79.64	--	--	3925.48
MW-2	10/05/15	4005.12	79.72	--	--	3925.40
MW-2	11/23/15	4005.12	79.57	--	--	3925.55
MW-2	01/20/16	4005.12	79.31	--	--	3925.81
MW-2	02/16/16	4005.12	79.21	--	--	3925.91
MW-2	03/15/16	4005.12	79.70	--	--	3925.42
MW-2	04/20/16	4005.12	78.94	--	--	3926.18
MW-2	05/18/16	4005.12	79.04	--	--	3926.08
MW-2	06/21/16	4005.12	78.94	--	--	3926.18
MW-2	06/21/16	4005.12	78.94	--	--	3926.18
MW-2	08/08/16	4005.12	78.59	--	--	3926.53
MW-2	08/16/16	4005.12	78.74	--	--	3926.38
MW-2	09/20/16	4005.12	78.63	--	--	3926.49
MW-2	10/18/16	4005.12	78.39	--	--	3926.73
MW-2	12/20/16	4005.12	78.57	--	--	3926.55
MW-2	01/16/17	4005.12	78.10	--	--	3927.02
MW-2	04/19/17	4005.12	77.76	--	--	3927.36
MW-2	05/17/17	4005.12	77.53	--	--	3927.59
MW-2	08/21/17	4005.12	77.58	--	--	3927.54

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-3	04/05/04	4001.94	79.10	79.04	0.06	3922.89
MW-3	05/17/04	4001.94	79.46	79.08	0.38	3922.78
MW-3	05/24/04	4001.94	79.41	79.05	0.36	3922.82
MW-3	06/01/04	4001.94	79.58	79.17	0.41	3922.69
MW-3	06/07/04	4001.94	79.50	79.12	0.38	3922.74
MW-3	06/15/04	4001.94	79.68	79.24	0.44	3922.61
MW-3	06/21/04	4001.94	79.65	79.24	0.41	3922.62
MW-3	06/28/04	4001.94	80.04	79.53	0.51	3922.31
MW-3	07/06/04	4001.94	79.87	79.40	0.47	3922.45
MW-3	07/12/04	4001.94	80.00	79.49	0.51	3922.35
MW-3	07/19/04	4001.94	79.94	79.46	0.48	3922.38
MW-3	07/26/04	4001.94	80.18	79.65	0.53	3922.18
MW-3	08/02/04	4001.94	80.01	79.52	0.49	3922.32
MW-3	08/10/04	4001.94	80.12	79.59	0.53	3922.24
MW-3	08/16/04	4001.94	80.16	79.62	0.54	3922.21
MW-3	08/23/04	4001.94	79.82	79.39	0.43	3922.46
MW-3	08/30/04	4001.94	80.14	79.62	0.52	3922.22
MW-3	09/08/04	4001.94	80.24	79.68	0.56	3922.15
MW-3	10/08/04	4001.94	80.19	79.69	0.50	3922.15
MW-3	12/30/04	4001.94	80.13	79.71	0.42	3922.15
MW-3	01/17/05	4001.94	80.57	79.00	1.57	3922.63
MW-3	03/09/05	4001.94	80.50	80.00	0.50	3921.84
MW-3	04/05/05	4001.94	80.14	79.79	0.35	3922.08
MW-3	05/10/05	4001.94	80.23	79.84	0.39	3922.02
MW-3	06/08/05	4001.94	80.34	79.91	0.43	3921.94
MW-3	07/05/05	4001.94	80.69	80.15	0.54	3921.68
MW-3	08/08/05	4001.94	80.57	80.07	0.50	3921.77
MW-3	09/14/05	4001.94	80.39	79.96	0.43	3921.89
MW-3	10/12/05	4001.94	80.47	80.04	0.43	3921.81
MW-3	11/09/05	4001.94	80.46	80.06	0.40	3921.80
MW-3	12/14/05	4001.94	80.23	79.90	0.33	3921.97
MW-3	01/12/06	4001.94	79.99	79.72	0.27	3922.17
MW-3	02/02/06	4001.94	79.93	79.70	0.23	3922.19
MW-3	03/07/06	4001.94	80.24	79.90	0.34	3921.97
MW-3	04/05/06	4001.94	80.25	79.91	0.34	3921.96
MW-3	05/08/06	4001.94	80.10	79.83	0.27	3922.06
MW-3	06/05/06	4001.94	80.15	79.86	0.29	3922.02
MW-3	07/11/06	4001.94	80.10	79.85	0.25	3922.04
MW-3	08/16/06	4001.94	79.99	79.80	0.19	3922.10
MW-3	09/07/06	4001.94	79.64	--	--	3922.30
MW-3	10/11/06	4001.94	79.84	79.64	0.20	3922.26
MW-3	11/08/06	4001.94	79.66	79.51	0.15	3922.40

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-3	12/04/06	4001.94	80.32	80.01	0.31	3921.87
MW-3	01/04/07	4001.94	79.39	79.39	0.00	3922.55
MW-3	02/27/07	4001.94	79.49	79.34	0.15	3922.57
MW-3	03/20/07	4001.94	79.74	79.56	0.18	3922.34
MW-3	04/17/07	4001.94	79.66	79.47	0.19	3922.43
MW-3	05/07/07	4001.94	79.63	--	--	3922.31
MW-3	06/27/07	4001.94	79.58	79.41	0.17	3922.50
MW-3	07/19/07	4001.94	79.25	79.25	0.00	3922.69
MW-3	08/21/07	4001.94	79.30	79.18	0.12	3922.74
MW-3	09/17/07	4001.94	79.32	79.18	0.14	3922.73
MW-3	10/16/07	4001.94	79.26	79.15	0.11	3922.77
MW-3	11/20/07	4001.94	79.25	79.17	0.08	3922.75
MW-3	12/21/07	4001.94	79.00	--	--	3922.94
MW-3	01/22/08	4001.94	79.32	79.30	0.02	3922.64
MW-3	02/27/08	4001.94	79.20	79.15	0.05	3922.78
MW-3	03/25/08	4001.94	79.00	78.95	0.05	3922.98
MW-3	04/29/08	4001.94	79.00	78.98	0.02	3922.96
MW-3	05/05/08	4001.94	78.94	78.92	0.02	3923.02
MW-3	06/10/08	4001.94	78.89	78.87	0.02	3923.07
MW-3	07/15/08	4001.94	78.82	78.80	0.02	3923.14
MW-3	08/19/08	4001.94	78.64	--	--	3923.30
MW-3	09/16/08	4001.94	78.92	78.83	0.09	3923.09
MW-3	10/15/08	4001.94	78.85	78.67	0.18	3923.23
MW-3	11/12/08	4001.94	78.54	78.36	0.18	3923.54
MW-3	12/11/08	4001.94	78.80	78.56	0.24	3923.33
MW-3	01/19/09	4001.94	78.97	78.74	0.23	3923.15
MW-3	02/11/09	4001.94	78.56	78.39	0.17	3923.52
MW-3	03/10/09	4001.94	78.36	78.28	0.08	3923.64
MW-3	04/13/09	4001.94	78.48	78.34	0.14	3923.57
MW-3	05/01/09	4001.94	78.28	78.20	0.08	3923.72
MW-3	06/08/09	4001.94	78.11	78.07	0.04	3923.86
MW-3	07/13/09	4001.94	78.26	78.13	0.13	3923.78
MW-3	08/10/09	4001.94	78.22	78.12	0.10	3923.80
MW-3	09/15/09	4001.94	78.08	77.95	0.13	3923.96
MW-3	10/06/09	4001.94	77.96	77.87	0.09	3924.05
MW-3	11/09/09	4001.94	78.17	78.05	0.12	3923.87
MW-3	12/23/09	4001.94	77.62	77.60	0.02	3924.34
MW-3	01/20/10	4001.94	77.57	77.55	0.02	3924.39
MW-3	02/09/10	4001.94	78.20	78.09	0.11	3923.83
MW-3	03/09/10	4001.94	77.76	77.74	0.02	3924.20
MW-3	04/12/10	4001.94	78.09	78.00	0.09	3923.92
MW-3	05/24/10	4001.94	77.85	77.82	0.03	3924.11

Historical Groundwater Elevation Data
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Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-3	06/14/10	4001.94	78.02	77.97	0.05	3923.96
MW-3	07/20/10	4001.94	78.08	78.03	0.05	3923.90
MW-3	08/11/10	4001.94	78.11	78.05	0.06	3923.88
MW-3	09/21/10	4001.94	77.98	77.95	0.03	3923.98
MW-3	10/20/10	4001.94	78.11	78.06	0.05	3923.87
MW-3	11/08/10	4001.94	77.96	77.95	0.01	3923.99
MW-3	12/07/10	4001.94	78.07	78.05	0.02	3923.89
MW-3	01/18/11	4001.94	78.07	--	--	3923.87
MW-3	02/08/11	4001.94	NM	NM	NM	NM
MW-3	03/08/11	4001.94	77.81	77.80	0.01	3924.14
MW-3	04/13/11	4001.94	77.95	77.94	0.01	3924.00
MW-3	05/23/11	4001.94	77.83	77.82	0.01	3924.12
MW-3	06/28/11	4001.94	78.20	--	--	3923.74
MW-3	07/19/11	4001.94	78.29	--	--	3923.65
MW-3	08/31/11	4001.94	78.17	--	--	3923.77
MW-3	09/27/11	4001.94	78.20	--	--	3923.74
MW-3	10/24/11	4001.94	78.37	78.33	0.04	3923.60
MW-3	11/29/11	4001.94	78.43	78.42	0.01	3923.52
MW-3	12/23/11	4001.94	78.45	--	--	3923.49
MW-3	01/31/12	4001.94	78.34	--	--	3923.60
MW-3	02/29/12	4001.94	78.53	--	--	3923.41
MW-3	03/27/12	4001.94	78.51	77.80	0.71	3924.00
MW-3	04/18/12	4001.94	78.62	77.94	0.68	3923.86
MW-3	05/21/12	4001.94	78.90	77.82	1.08	3923.90
MW-3	07/17/12	4001.94	78.65	--	--	3923.29
MW-3	08/21/12	4001.94	78.63	--	--	3923.31
MW-3	09/17/12	4001.94	78.50	--	--	3923.44
MW-3	12/13/12	4001.94	78.87	--	--	3923.07
MW-3	01/09/13	4001.94	78.98	--	--	3922.96
MW-3	02/06/13	4001.94	78.83	--	--	3923.11
MW-3	03/06/13	4001.94	79.14	--	--	3922.80
MW-3	05/01/13	4001.94	79.00	--	--	3922.94
MW-3	06/05/13	4001.94	79.27	--	--	3922.67
MW-3	07/03/13	4001.94	79.58	--	--	3922.36
MW-3	07/30/13	4001.94	79.85	--	--	3922.09
MW-3	08/15/13	4001.94	79.65	--	--	3922.29
MW-3	10/02/13	4001.94	79.52	--	--	3922.42
MW-3	12/23/13	4001.94	79.91	--	--	3922.03
MW-3	01/09/14	4001.94	79.57	--	--	3922.37
MW-3	02/12/14	4001.94	79.83	--	--	3922.11
MW-3	03/19/14	4001.94	79.94	--	--	3922.00
MW-3	04/03/14	4001.94	NM	NM	NM	NM

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-3	05/07/14	4001.94	79.62	--	--	3922.32
MW-3	06/05/14	4001.94	79.76	--	--	3922.18
MW-3	07/01/14	4001.94	79.97	--	--	3921.97
MW-3	07/22/14	4001.94	80.07	80.06	0.01	3921.88
MW-3	08/05/14	4001.94	80.09	--	--	3921.85
MW-3	09/04/14	4001.94	80.01	--	--	3921.93
MW-3	10/02/14	4001.94	80.02	--	--	3921.92
MW-3	11/06/14	4001.94	80.46	80.41	0.05	3921.52
MW-3	12/04/14	4001.94	80.11	80.10	0.01	3921.84
MW-3	01/15/15	4001.94	80.29	--	--	3921.65
MW-3	04/21/15	4001.94	79.74	--	--	3922.20
MW-3	05/15/15	4001.94	79.69	--	--	3922.25
MW-3	06/11/15	4001.94	79.67	--	--	3922.27
MW-3	08/24/15	4001.94	79.80	--	--	3922.14
MW-3	09/02/15	4001.94	79.63	--	--	3922.31
MW-3	10/05/15	4001.94	79.65	--	--	3922.29
MW-3	11/23/15	4001.94	79.42	--	--	3922.52
MW-3	01/20/16	4001.94	78.93	--	--	3923.01
MW-3	02/16/16	4001.94	78.84	--	--	3923.10
MW-3	03/15/16	4001.94	78.71	--	--	3923.23
MW-3	04/20/16	4001.94	78.68	--	--	3923.26
MW-3	05/18/16	4001.94	78.54	--	--	3923.40
MW-3	06/21/16	4001.94	78.75	--	--	3923.19
MW-3	08/08/16	4001.94	78.37	--	--	3923.57
MW-3	08/16/16	4001.94	78.65	--	--	3923.29
MW-3	09/20/16	4001.94	78.61	--	--	3923.33
MW-3	10/18/16	4001.94	78.38	--	--	3923.56
MW-3	12/20/16	4001.94	75.56	--	--	3926.38
MW-3	01/16/17	4001.94	78.02	--	--	3923.92
MW-3	04/19/17	4001.94	77.85	--	--	3924.09
MW-3	05/17/17	4001.94	77.68	--	--	3924.26
MW-3	08/21/17	4001.94	77.80	--	--	3924.14
MW-4	09/20/02	4016.20	95.42	--	--	3920.78
MW-4	04/05/04	4016.20	96.38	--	--	3919.82
MW-4	05/17/04	4016.20	96.43	--	--	3919.77
MW-4	05/24/04	4016.20	96.37	--	--	3919.83
MW-4	06/01/04	4016.20	96.42	--	--	3919.78
MW-4	06/07/04	4016.20	96.34	--	--	3919.86
MW-4	06/15/04	4016.20	96.45	--	--	3919.75
MW-4	06/21/04	4016.20	96.42	--	--	3919.78
MW-4	06/28/04	4016.20	96.66	--	--	3919.54

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-4	07/06/04	4016.20	96.54	--	--	3919.66
MW-4	07/12/04	4016.20	96.62	--	--	3919.58
MW-4	07/19/04	4016.20	96.56	--	--	3919.64
MW-4	07/26/04	4016.20	96.73	--	--	3919.47
MW-4	08/02/04	4016.20	96.61	--	--	3919.59
MW-4	08/10/04	4016.20	96.75	--	--	3919.45
MW-4	08/16/04	4016.20	96.69	--	--	3919.51
MW-4	08/23/04	4016.20	96.49	--	--	3919.71
MW-4	08/30/04	4016.20	96.69	--	--	3919.51
MW-4	09/08/04	4016.20	96.74	--	--	3919.46
MW-4	10/08/04	4016.20	96.71	--	--	3919.49
MW-4	12/30/04	4016.20	96.65	--	--	3919.55
MW-4	01/17/05	4016.20	97.03	--	--	3919.17
MW-4	02/09/05	4016.20	96.94	--	--	3919.26
MW-4	03/09/05	4016.20	96.96	--	--	3919.24
MW-4	04/05/05	4016.20	96.71	--	--	3919.49
MW-4	05/10/05	4016.20	96.75	--	--	3919.45
MW-4	06/08/05	4016.20	96.85	--	--	3919.35
MW-4	07/05/05	4016.20	97.08	--	--	3919.12
MW-4	08/08/05	4016.20	96.97	--	--	3919.23
MW-4	09/14/05	4016.20	96.94	--	--	3919.26
MW-4	10/12/05	4016.20	97.07	--	--	3919.13
MW-4	11/09/05	4016.20	97.14	--	--	3919.06
MW-4	12/14/05	4016.20	97.03	--	--	3919.17
MW-4	01/12/06	4016.20	96.91	--	--	3919.29
MW-4	02/02/06	4016.20	96.91	--	--	3919.29
MW-4	03/07/06	4016.20	97.04	--	--	3919.16
MW-4	04/05/06	4016.20	96.99	--	--	3919.21
MW-4	05/08/06	4016.20	96.95	--	--	3919.25
MW-4	06/05/06	4016.20	97.05	--	--	3919.15
MW-4	07/11/06	4016.20	97.09	--	--	3919.11
MW-4	08/16/06	4016.20	97.16	--	--	3919.04
MW-4	09/07/06	4016.20	97.08	--	--	3919.12
MW-4	10/11/06	4016.20	97.10	--	--	3919.10
MW-4	11/08/06	4016.20	97.00	--	--	3919.20
MW-4	12/04/06	4016.20	97.48	--	--	3918.72
MW-4	01/04/07	4016.20	96.97	--	--	3919.23
MW-4	02/27/07	4016.20	97.03	--	--	3919.17
MW-4	03/20/07	4016.20	97.18	--	--	3919.02
MW-4	04/17/07	4016.20	97.02	--	--	3919.18
MW-4	05/07/07	4016.20	97.20	--	--	3919.00
MW-4	06/27/07	4016.20	97.09	--	--	3919.11

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Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-4	07/19/07	4016.20	97.02	--	--	3919.18
MW-4	08/21/07	4016.20	96.95	--	--	3919.25
MW-4	09/17/07	4016.20	96.98	--	--	3919.22
MW-4	10/16/07	4016.20	96.93	--	--	3919.27
MW-4	11/20/07	4016.20	97.03	--	--	3919.17
MW-4	12/21/07	4016.20	96.91	--	--	3919.29
MW-4	01/22/08	4016.20	97.28	--	--	3918.92
MW-4	02/27/08	4016.20	97.26	--	--	3918.94
MW-4	03/25/08	4016.20	97.14	--	--	3919.06
MW-4	04/29/08	4016.20	97.13	--	--	3919.07
MW-4	05/05/08	4016.20	97.08	--	--	3919.12
MW-4	06/10/08	4016.20	97.11	--	--	3919.09
MW-4	07/15/08	4016.20	97.11	--	--	3919.09
MW-4	08/19/08	4016.20	97.10	--	--	3919.10
MW-4	09/16/08	4016.20	97.32	--	--	3918.88
MW-4	10/15/08	4016.20	97.25	--	--	3918.95
MW-4	11/12/08	4016.20	97.01	--	--	3919.19
MW-4	12/11/08	4016.20	97.15	--	--	3919.05
MW-4	01/13/09	4016.20	97.31	--	--	3918.89
MW-4	02/11/09	4016.20	97.03	--	--	3919.17
MW-4	03/10/09	4016.20	96.88	--	--	3919.32
MW-4	04/13/09	4016.20	96.97	--	--	3919.23
MW-4	05/01/09	4016.20	96.80	--	--	3919.40
MW-4	06/08/09	4016.20	96.70	--	--	3919.50
MW-4	07/13/09	4016.20	96.72	--	--	3919.48
MW-4	08/10/09	4016.20	96.73	--	--	3919.47
MW-4	09/15/09	4016.20	96.57	--	--	3919.63
MW-4	10/06/09	4016.20	96.51	--	--	3919.69
MW-4	11/09/09	4016.20	96.63	--	--	3919.57
MW-4	12/23/09	4016.20	96.25	--	--	3919.95
MW-4	01/20/10	4016.20	96.20	--	--	3920.00
MW-4	02/09/10	4016.20	96.61	--	--	3919.59
MW-4	03/09/10	4016.20	96.33	--	--	3919.87
MW-4	04/12/10	4016.20	96.51	--	--	3919.69
MW-4	05/24/10	4016.20	96.33	--	--	3919.87
MW-4	06/14/10	4016.20	96.40	--	--	3919.80
MW-4	07/20/10	4016.20	96.43	--	--	3919.77
MW-4	08/11/10	4016.20	96.46	--	--	3919.74
MW-4	09/21/10	4016.20	96.32	--	--	3919.88
MW-4	10/20/10	4016.20	96.45	--	--	3919.75
MW-4	11/08/10	4016.20	96.33	--	--	3919.87
MW-4	12/07/10	4016.20	96.36	--	--	3919.84

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Maljamar Gas Plant
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Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-4	01/18/11	4016.20	96.35	--	--	3919.85
MW-4	02/08/11	4016.20	96.18	--	--	3920.02
MW-4	03/08/11	4016.20	96.17	--	--	3920.03
MW-4	04/13/11	4016.20	96.32	--	--	3919.88
MW-4	05/23/11	4016.20	96.26	--	--	3919.94
MW-4	06/28/11	4016.20	96.46	--	--	3919.74
MW-4	07/19/11	4016.20	96.35	--	--	3919.85
MW-4	08/31/11	4016.20	96.24	--	--	3919.96
MW-4	09/27/11	4016.20	96.33	--	--	3919.87
MW-4	10/24/11	4016.20	96.30	--	--	3919.90
MW-4	11/29/11	4016.20	96.40	--	--	3919.80
MW-4	12/23/11	4016.20	96.29	--	--	3919.91
MW-4	01/31/12	4016.20	96.19	--	--	3920.01
MW-4	02/29/12	4016.20	96.23	--	--	3919.97
MW-4	03/27/12	4016.20	96.21	--	--	3919.99
MW-4	04/18/12	4016.20	96.24	--	--	3919.96
MW-4	05/21/12	4016.20	96.41	--	--	3919.79
MW-4	07/17/12	4016.20	96.29	--	--	3919.91
MW-4	08/21/12	4016.20	96.24	--	--	3919.96
MW-4	09/17/12	4016.20	96.12	--	--	3920.08
MW-4	12/13/12	4016.20	96.48	--	--	3919.72
MW-4	01/09/13	4016.20	96.56	--	--	3919.64
MW-4	02/06/13	4016.20	96.40	--	--	3919.80
MW-4	03/06/13	4016.20	96.63	--	--	3919.57
MW-4	05/01/13	4016.20	96.50	--	--	3919.70
MW-4	06/05/13	4016.20	96.64	--	--	3919.56
MW-4	07/03/13	4016.20	96.80	--	--	3919.40
MW-4	07/30/13	4016.20	96.83	--	--	3919.37
MW-4	08/15/13	4016.20	96.79	--	--	3919.41
MW-4	10/02/13	4016.20	97.31	--	--	3918.89
MW-4	12/23/13	4016.20	97.23	--	--	3918.97
MW-4	01/09/14	4016.20	96.89	--	--	3919.31
MW-4	02/12/14	4016.20	97.10	--	--	3919.10
MW-4	03/19/14	4016.20	97.17	--	--	3919.03
MW-4	04/03/14	4016.20	NM	NM	NM	NM
MW-4	05/07/14	4016.20	96.88	--	--	3919.32
MW-4	06/05/14	4016.20	96.91	--	--	3919.29
MW-4	07/01/14	4016.20	97.09	--	--	3919.11
MW-4	07/22/14	4016.20	97.16	--	--	3919.04
MW-4	08/05/14	4016.20	97.10	--	--	3919.10
MW-4	09/04/14	4016.20	97.00	--	--	3919.20
MW-4	10/02/14	4016.2	97.06	--	--	3919.14

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Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-4	11/06/14	4016.20	97.37	--	--	3918.83
MW-4	12/04/14	4016.20	97.05	--	--	3919.15
MW-4	01/15/15	4016.20	97.30	--	--	3918.90
MW-4	04/21/15	4016.20	96.95	--	--	3919.25
MW-4	05/15/15	4016.20	96.94	--	--	3919.26
MW-4	06/11/15	4016.20	96.97	--	--	3919.23
MW-4	08/24/15	4016.20	97.21	--	--	3918.99
MW-4	09/02/15	4016.20	97.05	--	--	3919.15
MW-4	10/05/15	4016.20	97.21	--	--	3918.99
MW-4	11/23/15	4016.20	97.05	--	--	3919.15
MW-4	01/20/16	4016.20	98.26	96.69	1.57	3919.20
MW-4	02/16/16	4016.20	98.63	96.58	2.05	3919.21
MW-4	03/15/16	4016.20	98.63	96.55	2.08	3919.23
MW-4	04/20/16	4016.20	98.58	96.61	1.97	3919.20
MW-4	05/18/16	4016.20	98.70	96.63	2.07	3919.16
MW-4	06/21/16	4016.20	98.48	96.71	1.77	3919.14
MW-4	08/08/16	4016.20	98.30	96.35	1.95	3919.46
MW-4	08/16/16	4016.20	98.50	96.63	1.87	3919.20
MW-4	09/20/16	4016.20	98.36	96.59	1.77	3919.26
MW-4	10/18/16	4016.20	98.17	96.35	1.82	3919.49
MW-4	12/20/16	4016.20	97.68	96.82	0.86	3919.21
MW-4	01/16/17	4016.20	97.55	96.31	1.24	3919.64
MW-4	04/19/17	4016.20	97.10	93.31	3.79	3922.13
MW-4	05/17/17	4016.20	96.36	96.25	0.11	3919.93
MW-4	08/21/17	4016.20	96.26	96.25	0.01	3919.95
MW-5	04/05/04	4009.42	92.00	91.82	0.18	3917.56
MW-5	05/17/04	4009.42	92.10	91.91	0.19	3917.47
MW-5	05/24/04	4009.42	92.03	91.84	0.19	3917.54
MW-5	06/01/04	4009.42	92.10	91.91	0.19	3917.47
MW-5	06/07/04	4009.42	91.99	91.86	0.13	3917.53
MW-5	06/15/04	4009.42	92.12	91.94	0.18	3917.44
MW-5	06/21/04	4009.42	92.11	91.95	0.16	3917.44
MW-5	06/28/04	4009.42	92.33	92.15	0.18	3917.23
MW-5	07/06/04	4009.42	92.24	92.04	0.20	3917.34
MW-5	07/12/04	4009.42	92.31	92.12	0.19	3917.26
MW-5	07/19/04	4009.42	92.27	92.08	0.19	3917.30
MW-5	07/26/04	4009.42	92.39	92.19	0.20	3917.19
MW-5	08/02/04	4009.42	92.33	92.13	0.20	3917.25
MW-5	08/10/04	4009.42	92.40	92.21	0.19	3917.17
MW-5	08/16/04	4009.42	92.42	92.22	0.20	3917.16
MW-5	08/23/04	4009.42	92.15	92.02	0.13	3917.37
MW-5	08/30/04	4009.42	92.44	92.26	0.18	3917.12

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Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-5	09/08/04	4009.42	92.44	92.24	0.20	3917.14
MW-5	10/08/04	4009.42	92.43	92.27	0.16	3917.12
MW-5	12/30/04	4009.42	92.41	92.34	0.07	3917.07
MW-5	01/17/05	4009.42	92.65	92.57	0.08	3916.83
MW-5	02/09/05	4009.42	92.61	92.57	0.04	3916.84
MW-5	03/09/05	4009.42	92.65	92.63	0.02	3916.79
MW-5	04/05/05	4009.42	92.38	--	--	3917.04
MW-5	05/10/05	4009.42	92.40	--	--	3917.02
MW-5	06/08/05	4009.42	92.54	--	--	3916.88
MW-5	07/05/05	4009.42	92.78	--	--	3916.64
MW-5	08/08/05	4009.42	92.65	--	--	3916.77
MW-5	09/14/05	4009.42	92.61	--	--	3916.81
MW-5	10/12/05	4009.42	92.70	--	--	3916.72
MW-5	11/09/05	4009.42	92.75	--	--	3916.67
MW-5	12/14/05	4009.42	92.56	--	--	3916.86
MW-5	01/12/06	4009.42	92.38	--	--	3917.04
MW-5	02/02/06	4009.42	92.38	--	--	3917.04
MW-5	03/07/06	4009.42	92.43	--	--	3916.99
MW-5	04/05/06	4009.42	92.32	--	--	3917.10
MW-5	05/08/06	4009.42	92.26	--	--	3917.16
MW-5	06/05/06	4009.42	92.30	--	--	3917.12
MW-5	07/11/06	4009.42	92.33	--	--	3917.09
MW-5	08/16/06	4009.42	92.41	--	--	3917.01
MW-5	09/07/06	4009.42	92.83	--	--	3916.59
MW-5	10/11/06	4009.42	92.36	--	--	3917.06
MW-5	11/08/06	4009.42	92.25	92.24	0.01	3917.18
MW-5	12/04/06	4009.42	92.75	--	--	3916.67
MW-5	01/04/07	4009.42	92.26	--	--	3917.16
MW-5	02/27/07	4009.42	92.35	--	--	3917.07
MW-5	03/20/07	4009.42	92.51	--	--	3916.91
MW-5	04/17/07	4009.42	92.32	--	--	3917.10
MW-5	05/07/07	4009.42	92.56	--	--	3916.86
MW-5	06/27/07	4009.42	92.39	--	--	3917.03
MW-5	07/17/07	4009.42	92.32	--	--	3917.10
MW-5	08/21/07	4009.42	92.24	--	--	3917.18
MW-5	09/17/07	4009.42	92.26	--	--	3917.16
MW-5	10/16/07	4009.42	92.23	--	--	3917.19
MW-5	11/20/07	4009.42	92.28	--	--	3917.14
MW-5	12/21/07	4009.42	92.21	--	--	3917.21
MW-5	01/22/08	4009.42	91.88	--	--	3917.54
MW-5	02/27/08	4009.42	92.36	--	--	3917.06
MW-5	03/25/08	4009.42	92.20	--	--	3917.22

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Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-5	04/29/08	4009.42	92.11	--	--	3917.31
MW-5	05/05/08	4009.42	92.08	--	--	3917.34
MW-5	06/10/08	4009.42	92.22	91.98	0.24	3917.39
MW-5	07/15/08	4009.42	92.11	91.88	0.23	3917.49
MW-5	08/19/08	4009.42	92.00	91.81	0.19	3917.57
MW-5	09/16/08	4009.42	92.15	91.95	0.20	3917.43
MW-5	10/15/08	4009.42	92.03	91.85	0.18	3917.53
MW-5	11/12/08	4009.42	91.76	91.64	0.12	3917.76
MW-5	12/11/08	4009.42	91.78	91.75	0.03	3917.66
MW-5	01/13/09	4009.42	91.98	91.86	0.12	3917.54
MW-5	02/11/09	4009.42	91.71	91.65	0.06	3917.76
MW-5	03/10/09	4009.42	91.50	91.46	0.04	3917.95
MW-5	04/13/09	4009.42	91.52	--	--	3917.90
MW-5	05/01/09	4009.42	91.35	--	--	3918.07
MW-5	06/08/09	4009.42	91.21	--	--	3918.21
MW-5	07/13/09	4009.42	91.26	--	--	3918.16
MW-5	08/10/09	4009.42	91.30	--	--	3918.12
MW-5	09/15/09	4009.42	91.15	--	--	3918.27
MW-5	10/06/09	4009.42	91.15	--	--	3918.27
MW-5	11/09/09	4009.42	91.35	--	--	3918.07
MW-5	12/23/09	4009.42	90.89	--	--	3918.53
MW-5	01/20/10	4009.42	90.87	--	--	3918.55
MW-5	02/09/10	4009.42	91.45	--	--	3917.97
MW-5	03/09/10	4009.42	91.04	--	--	3918.38
MW-5	04/12/10	4009.42	91.32	--	--	3918.10
MW-5	05/24/10	4009.42	91.18	--	--	3918.24
MW-5	06/14/10	4009.42	91.25	91.24	0.01	3918.18
MW-5	07/20/10	4009.42	91.31	91.30	0.01	3918.12
MW-5	08/11/10	4009.42	91.38	91.36	0.02	3918.06
MW-5	09/21/10	4009.42	91.24	--	--	3918.18
MW-5	11/08/10	4009.42	91.27	--	--	3918.15
MW-5	12/07/10	4009.42	91.38	--	--	3918.04
MW-5	01/18/11	4009.42	91.48	--	--	3917.94
MW-5	02/08/11	4009.42	91.23	--	--	3918.19
MW-5	03/08/11	4009.42	91.31	--	--	3918.11
MW-5	04/13/11	4009.42	91.49	--	--	3917.93
MW-5	05/23/11	4009.42	91.48	--	--	3917.94
MW-5	06/28/11	4009.42	91.86	91.68	0.18	3917.70
MW-5	07/19/11	4009.42	91.72	91.55	0.17	3917.84
MW-5	08/31/11	4009.42	93.62	93.46	0.16	3915.93
MW-5	09/27/11	4009.42	93.62	93.48	0.14	3915.91
MW-5	10/24/11	4009.42	93.69	93.56	0.13	3915.83

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-5	11/29/11	4009.42	93.82	93.75	0.07	3915.66
MW-5	12/23/11	4009.42	93.81	93.74	0.07	3915.67
MW-5	01/31/12	4009.42	93.63	93.54	0.09	3915.86
MW-5	02/29/12	4009.42	93.65	93.60	0.05	3915.81
MW-5	03/27/12	4009.42	NM	NM	NM	NM
MW-5	04/18/12	4009.42	93.93	--	--	3915.49
MW-5	05/21/12	4009.42	94.06	--	--	3915.36
MW-5	07/17/12	4009.42	93.90	93.89	0.01	3915.53
MW-5	08/21/12	4009.42	94.03	--	--	3915.39
MW-5	09/17/12	4009.42	93.95	--	--	3915.47
MW-5	12/13/12	4009.42	NM	NM	NM	NM
MW-5	01/09/13	4009.42	94.35	--	--	3915.07
MW-5	02/06/13	4009.42	94.07	--	--	3915.35
MW-5	03/06/13	4009.42	NM	NM	NM	NM
MW-5	05/01/13	4009.42	94.28	--	--	3915.14
MW-5	06/05/13	4009.42	94.41	--	--	3915.01
MW-5	07/03/13	4009.42	94.52	--	--	3914.90
MW-5	07/30/13	4009.42	94.60	--	--	3914.82
MW-5	08/15/13	4009.42	94.58	--	--	3914.84
MW-5	10/02/13	4009.42	95.18	--	--	3914.24
MW-5	12/23/13	4009.42	95.02	--	--	3914.40
MW-5	01/09/14	4009.42	94.61	--	--	3914.81
MW-5	02/12/14	4009.42	94.91	--	--	3914.51
MW-5	03/19/14	4009.42	95.07	--	--	3914.35
MW-5	04/03/14	4009.42	NM	NM	NM	NM
MW-5	05/07/14	4009.42	94.70	--	--	3914.72
MW-5	06/05/14	4009.42	94.77	--	--	3914.65
MW-5	07/22/14	4009.42	95.08	--	--	3914.34
MW-5	07/01/14	4009.42	95.05	--	--	3914.37
MW-5	08/05/14	4009.42	95.08	--	--	3914.34
MW-5	09/04/14	4009.42	95.05	--	--	3914.37
MW-5	10/02/14	4009.42	95.09	--	--	3914.33
MW-5	11/06/14	4009.42	95.35	--	--	3914.07
MW-5	12/04/14	4009.42	95.00	--	--	3914.42
MW-5	01/15/15	4009.42	95.23	--	--	3914.19
MW-5	04/21/15	4009.42	94.71	--	--	3914.71
MW-5	05/15/15	4009.42	94.63	--	--	3914.79
MW-5	06/11/15	4009.42	94.65	--	--	3914.77
MW-5	08/24/15	4009.42	NM	NM	NM	NM
MW-5	09/02/15	4009.42	NM	NM	NM	NM
MW-5	10/05/15	4009.42	94.77	--	--	3914.65
MW-5	11/23/15	4009.42	94.53	--	--	3914.89

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-5	01/20/16	4009.42	94.08	--	--	3915.34
MW-5	02/16/16	4009.42	94.12	--	--	3915.30
MW-5	03/15/16	4009.42	94.00	--	--	3915.42
MW-5	04/20/16	4009.42	93.93	--	--	3915.49
MW-5	05/18/16	4009.42	94.00	--	--	3915.42
MW-5	06/21/16	4009.42	93.89	--	--	3915.53
MW-5	08/08/16	4009.42	78.41	--	--	3931.01
MW-5	08/16/16	4009.42	93.83	--	--	3915.59
MW-5	09/20/16	4009.42	93.74	--	--	3915.68
MW-5	10/18/16	4009.42	93.60	--	--	3915.82
MW-5	12/20/16	4009.42	93.75	--	--	3915.67
MW-5	01/16/17	4009.42	93.40	--	--	3916.02
MW-5	04/19/17	4009.42	93.26	--	--	3916.16
MW-5	05/17/17	4009.42	93.12	--	--	3916.30
MW-5	08/21/17	4009.42	93.28	--	--	3916.14
MW-6	01/09/13	4005.23	NM	NM	NM	--
MW-6	02/06/13	4005.23	NM	NM	NM	--
MW-6	03/06/13	4005.23	NM	NM	NM	--
MW-6	05/01/13	4005.23	NM	NM	NM	--
MW-6	06/05/13	4005.23	NM	NM	NM	--
MW-6	07/03/13	4005.23	NM	NM	NM	--
MW-6	07/30/13	4005.23	NM	NM	NM	--
MW-6	08/15/13	4005.23	77.76	--	--	3927.47
MW-6	10/02/13	4005.23	DRY	DRY	DRY	DRY
MW-6	12/23/13	4005.23	DRY	DRY	DRY	DRY
MW-7	05/24/01	4002.94	75.38	--	--	3927.56
MW-7	02/06/02	4002.94	76.62	69.86	6.76	3931.73
MW-7	02/20/02	4002.94	76.16	69.92	6.24	3931.77
MW-7	02/28/02	4002.94	75.74	69.89	5.85	3931.88
MW-7	03/22/02	4002.94	76.40	70.07	6.33	3931.60
MW-7	09/16/02	4002.94	76.56	70.51	6.05	3931.22
MW-7	09/20/02	4002.94	76.08	70.23	5.85	3931.54
MW-7	12/20/02	4002.94	75.09	70.98	4.11	3931.14
MW-7	01/21/03	4002.94	75.43	71.11	4.32	3930.97
MW-7	01/22/03	4002.94	75.44	70.97	4.47	3931.08
MW-7	01/29/03	4002.94	75.47	71.04	4.43	3931.01
MW-7	02/10/03	4002.94	75.53	71.00	4.53	3931.03
MW-7	02/17/03	4002.94	75.40	70.92	4.48	3931.12
MW-7	03/20/03	4002.94	75.51	70.91	4.60	3931.11
MW-7	03/27/03	4002.94	75.09	70.64	4.45	3931.41
MW-7	04/08/03	4002.94	76.09	71.41	4.68	3930.59

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-7	04/16/03	4002.94	75.52	70.87	4.65	3931.14
MW-7	04/23/03	4002.94	75.31	70.69	4.62	3931.33
MW-7	04/30/03	4002.94	75.44	70.84	4.60	3931.18
MW-7	05/13/03	4002.94	75.66	71.02	4.64	3930.99
MW-7	05/19/03	4002.94	75.63	71.00	4.63	3931.01
MW-7	05/28/03	4002.94	75.95	71.33	4.62	3930.69
MW-7	06/04/03	4002.94	75.44	70.85	4.59	3931.17
MW-7	06/18/03	4002.94	75.64	71.10	4.54	3930.93
MW-7	08/28/03	4002.94	76.02	71.13	4.89	3930.83
MW-7	09/24/03	4002.94	76.17	71.42	4.75	3930.57
MW-7	04/05/04	4002.94	76.05	71.64	4.41	3930.42
MW-7	05/17/04	4002.94	87.40	72.50	14.90	3927.46
MW-7	05/24/04	4002.94	91.11	75.30	15.81	3924.48
MW-7	06/01/04	4002.94	85.60	73.17	12.43	3927.28
MW-7	06/07/04	4002.94	85.50	73.11	12.39	3927.35
MW-7	06/15/04	4002.94	79.80	73.18	6.62	3928.44
MW-7	06/21/04	4002.94	85.15	73.41	11.74	3927.18
MW-7	06/28/04	4002.94	84.98	73.51	11.47	3927.14
MW-7	07/06/04	4002.94	85.13	73.52	11.61	3927.10
MW-7	07/12/04	4002.94	85.16	73.66	11.50	3926.98
MW-7	07/19/04	4002.94	85.31	73.74	11.57	3926.89
MW-7	07/26/04	4002.94	85.27	73.76	11.51	3926.88
MW-7	08/02/04	4002.94	85.43	73.87	11.56	3926.76
MW-7	08/16/04	4002.94	85.06	73.68	11.38	3926.98
MW-7	08/23/04	4002.94	85.21	73.75	11.46	3926.90
MW-7	08/30/04	4002.94	85.41	73.93	11.48	3926.71
MW-7	09/08/04	4002.94	84.70	73.79	10.91	3926.97
MW-7	10/08/04	4002.94	84.10	73.91	10.19	3926.99
MW-7	12/30/04	4002.94	81.78	74.50	7.28	3926.98
MW-7	01/17/05	4002.94	77.57	74.56	3.01	3927.78
MW-7	02/09/05	4002.94	78.77	75.46	3.31	3926.82
MW-7	03/09/05	4002.94	78.68	75.41	3.27	3926.88
MW-7	04/05/05	4002.94	78.36	75.12	3.24	3927.17
MW-7	05/10/05	4002.94	78.19	75.02	3.17	3927.29
MW-7	06/08/05	4002.94	76.62	75.67	0.95	3927.08
MW-7	07/05/05	4002.94	76.88	75.77	1.11	3926.95
MW-7	08/08/05	4002.94	76.63	75.64	0.99	3927.10
MW-7	09/14/05	4002.94	75.05	73.91	1.14	3928.80
MW-7	10/12/05	4002.94	76.10	73.28	2.82	3929.10
MW-7	11/09/05	4002.94	75.99	73.21	2.78	3929.17
MW-7	12/14/05	4002.94	76.19	73.46	2.73	3928.93
MW-7	01/12/06	4002.94	75.34	72.93	2.41	3929.53

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-7	02/02/06	4002.94	77.39	73.33	4.06	3928.80
MW-7	03/07/06	4002.94	75.82	74.50	1.32	3928.18
MW-7	04/05/06	4002.94	79.32	74.81	4.51	3927.23
MW-7	05/08/06	4002.94	78.81	74.34	4.47	3927.71
MW-7	06/05/06	4002.94	78.75	74.18	4.57	3927.85
MW-7	07/11/06	4002.94	75.31	75.31	0.00	3927.63
MW-7	08/16/06	4002.94	74.67	72.31	2.36	3930.16
MW-7	08/30/06	4002.94	74.56	72.58	1.98	3929.96
MW-7	09/07/06	4002.94	74.83	74.83	0.00	3928.11
MW-7	10/11/06	4002.94	75.02	74.96	0.06	3927.97
MW-7	11/08/06	4002.94	74.13	--	--	3928.81
MW-7	12/04/06	4002.94	75.08	74.83	0.25	3928.06
MW-7	01/04/07	4002.94	74.22	73.99	0.23	3928.90
MW-7	02/27/07	4002.94	73.95	73.63	0.32	3929.25
MW-7	03/20/07	4002.94	76.23	75.83	0.40	3927.03
MW-7	04/17/07	4002.94	76.96	--	--	3925.98
MW-7	05/07/07	4002.94	74.76	--	--	3928.18
MW-7	06/27/07	4002.94	74.71	--	--	3928.23
MW-7	07/17/07	4002.94	74.56	--	--	3928.38
MW-7	08/21/07	4002.94	74.51	--	--	3928.43
MW-7	09/17/07	4002.94	74.43	--	--	3928.51
MW-7	10/16/07	4002.94	74.40	74.39	0.01	3928.55
MW-7	11/20/07	4002.94	74.35	74.33	0.02	3928.61
MW-7	12/21/07	4002.95	73.85	73.76	0.09	3929.17
MW-7	01/22/08	4002.95	73.58	73.56	0.02	3929.39
MW-7	02/27/08	4002.95	73.02	--	--	3929.93
MW-7	03/25/08	4002.95	74.12	74.08	0.04	3928.86
MW-7	04/29/08	4002.95	74.21	74.19	0.02	3928.76
MW-7	05/05/08	4002.95	74.23	74.21	0.02	3928.74
MW-7	06/10/08	4002.95	74.27	74.25	0.02	3928.70
MW-7	07/15/08	4002.95	73.83	73.79	0.04	3929.15
MW-7	08/19/08	4002.95	72.31	--	--	3930.64
MW-7	09/16/08	4002.95	72.42	--	--	3930.53
MW-7	10/15/08	4002.95	72.65	72.64	0.01	3930.31
MW-7	11/12/08	4002.95	72.26	--	--	3930.69
MW-7	12/11/08	4002.95	73.60	--	--	3929.35
MW-7	01/13/09	4002.95	73.81	--	--	3929.14
MW-7	02/11/09	4002.95	73.61	--	--	3929.34
MW-7	03/10/09	4002.95	73.41	--	--	3929.54
MW-7	04/13/09	4002.95	73.52	--	--	3929.43
MW-7	05/01/09	4002.95	73.31	--	--	3929.64
MW-7	06/08/09	4002.95	74.11	73.09	1.02	3929.66

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Maljamar Gas Plant
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Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-7	07/13/09	4002.95	76.65	72.72	3.93	3929.44
MW-7	08/10/09	4002.95	76.61	72.91	3.70	3929.30
MW-7	09/15/09	4002.95	75.24	73.09	2.15	3929.43
MW-7	10/06/09	4002.95	76.54	72.70	3.84	3929.48
MW-7	11/09/09	4002.95	73.65	72.70	0.95	3930.06
MW-7	12/23/09	4002.95	76.60	71.80	4.80	3930.19
MW-7	01/20/10	4002.95	77.50	71.91	5.59	3929.92
MW-7	02/09/10	4002.95	75.92	--	--	3927.03
MW-7	03/09/10	4002.95	80.35	72.27	8.08	3929.06
MW-7	04/12/10	4002.95	77.00	--	--	3925.95
MW-7	05/24/10	4002.95	78.03	71.92	6.11	3929.81
MW-7	06/14/10	4002.95	77.07	72.71	4.36	3929.37
MW-7	07/20/10	4002.95	76.39	73.15	3.24	3929.15
MW-7	08/11/10	4002.95	76.82	73.15	3.67	3929.07
MW-7	08/18/10	4002.95	76.90	72.91	3.99	3929.24
MW-7	09/21/10	4002.95	77.56	72.57	4.99	3929.38
MW-7	09/28/10	4002.95	75.06	73.15	1.91	3929.42
MW-7	10/20/10	4002.95	74.21	73.65	0.56	3929.19
MW-7	11/08/10	4002.95	74.95	73.45	1.50	3929.20
MW-7	12/07/10	4002.95	74.50	74.05	0.45	3928.81
MW-7	01/18/11	4002.95	75.77	--	--	3927.18
MW-7	02/08/11	4002.95	NM	NM	NM	NM
MW-7	03/08/11	4002.95	72.93	72.11	0.82	3930.68
MW-7	04/13/11	4002.95	72.81	72.05	0.76	3930.75
MW-7	05/23/11	4002.95	72.64	71.92	0.72	3930.89
MW-7	06/28/11	4002.95	78.75	73.90	4.85	3928.08
MW-7	07/19/11	4002.95	79.42	73.79	5.63	3928.03
MW-7	08/31/11	4002.95	80.65	74.38	6.27	3927.32
MW-7	09/27/11	4002.95	80.77	73.81	6.96	3927.75
MW-7	10/24/11	4002.95	77.02	72.65	4.37	3929.43
MW-7	11/29/11	4002.95	80.73	73.95	6.78	3927.64
MW-7	12/23/11	4002.95	76.69	--	--	3926.26
MW-7	01/31/12	4002.95	74.64	--	--	3928.31
MW-7	02/29/12	4002.95	75.49	75.48	0.01	3927.47
MW-7	03/27/12	4002.95	75.42	75.37	0.05	3927.57
MW-7	04/18/12	4002.95	75.61	75.55	0.06	3927.39
MW-7	05/21/12	4002.95	75.91	75.83	0.08	3927.10
MW-7	07/17/12	4002.95	75.04	72.62	2.42	3929.85
MW-7	08/21/12	4002.95	74.86	72.50	2.36	3929.98
MW-7	09/17/12	4002.95	74.78	72.60	2.18	3929.91
MW-7	12/13/12	4002.95	74.87	72.88	1.99	3929.67
MW-7	01/09/13	4002.95	74.88	72.89	1.99	3929.66

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MW-7	02/06/13	4002.95	75.05	72.80	2.25	3929.70
MW-7	03/06/13	4002.95	75.17	73.00	2.17	3929.52
MW-7	05/01/13	4002.95	74.88	72.86	2.02	3929.69
MW-7	06/05/13	4002.95	77.53	75.37	2.16	3927.15
MW-7	07/03/13	4002.95	77.80	75.86	1.94	3926.70
MW-7	07/30/13	4002.95	77.75	75.86	1.89	3926.71
MW-7	08/15/13	4002.95	76.02	74.17	1.85	3928.41
MW-7	10/02/13	4002.95	76.08	74.29	1.79	3928.30
MW-7	12/23/13	4002.95	76.54	73.81	2.73	3928.59
MW-7	01/09/14	4002.95	76.15	73.31	2.84	3929.07
MW-7	02/12/14	4002.95	75.98	73.63	2.35	3928.85
MW-7	03/19/14	4002.95	76.04	73.69	2.35	3928.79
MW-7	04/03/14	4002.95	NM	NM	NM	NM
MW-7	05/07/14	4002.95	74.50	74.17	0.33	3928.71
MW-7	06/05/14	4002.95	74.49	73.87	0.62	3928.96
MW-7	07/01/14	4002.95	75.13	74.46	0.67	3928.36
MW-7	07/22/14	4002.95	74.61	74.56	0.05	3928.38
MW-7	08/05/14	4002.95	74.68	74.46	0.22	3928.45
MW-7	09/04/14	4002.95	74.67	74.15	0.52	3928.70
MW-7	10/02/14	4002.95	74.74	74.23	0.51	3928.62
MW-7	11/06/14	4002.95	75.20	74.60	0.60	3928.23
MW-7	12/04/14	4002.95	74.46	74.42	0.04	3928.52
MW-7	01/15/15	4002.95	74.73	74.70	0.03	3928.24
MW-7	04/21/15	4002.95	74.48	74.46	0.02	3928.49
MW-7	05/15/15	4002.95	75.49	74.45	1.04	3928.29
MW-7	06/11/15	4002.95	74.48	74.45	0.03	3928.49
MW-7	08/24/15	4002.95	74.59	74.56	0.03	3928.38
MW-7	09/02/15	4002.95	74.70	74.66	0.04	3928.28
MW-7	10/05/15	4002.95	74.77	74.76	0.01	3928.19
MW-7	11/23/15	4002.95	74.60	--	--	3928.35
MW-7	01/20/16	4002.95	75.25	74.10	1.15	3928.62
MW-7	02/16/16	4002.95	75.89	74.30	1.59	3928.33
MW-7	03/15/16	4002.95	76.20	73.74	2.46	3928.72
MW-7	04/20/16	4002.95	76.04	73.58	2.46	3928.88
MW-7	05/18/16	4002.95	76.22	73.89	2.33	3928.59
MW-7	06/21/16	4002.95	76.14	73.77	2.37	3928.71
MW-7	08/08/16	4002.95	75.45	73.80	1.65	3928.82
MW-7	08/16/16	4002.95	75.49	73.52	1.97	3929.04
MW-7	09/20/16	4002.95	75.33	73.53	1.80	3929.06
MW-7	10/18/16	4002.95	75.02	73.24	1.78	3929.35
MW-7	12/20/16	4002.95	75.27	73.20	2.07	3929.34
MW-7	01/16/17	4002.95	74.93	73.07	1.86	3929.51

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Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-7	04/19/17	4002.95	74.69	73.08	1.61	3929.55
MW-7	05/17/17	4002.95	74.42	72.33	2.09	3930.20
MW-7	08/21/17	4002.95	74.23	72.30	1.93	3930.26
MW-8	05/23/01	4000.72	77.00	--	--	3923.72
MW-8	05/24/01	4000.72	76.10	--	--	3924.62
MW-8	06/29/01	4000.72	76.12	--	--	3924.60
MW-8	12/13/01	4000.72	76.43	--	--	3924.29
MW-8	02/28/02	4000.72	76.40	--	--	3924.32
MW-8	03/22/02	4000.72	76.90	--	--	3923.82
MW-8	09/16/02	4000.72	77.02	--	--	3923.70
MW-8	09/20/02	4000.72	76.85	--	--	3923.87
MW-8	09/04/03	4000.72	77.82	--	--	3922.90
MW-8	04/05/04	4000.72	78.04	--	--	3922.68
MW-8	05/17/04	4000.72	78.08	--	--	3922.64
MW-8	05/24/04	4000.72	78.07	--	--	3922.65
MW-8	06/01/04	4000.72	78.17	--	--	3922.55
MW-8	06/07/04	4000.72	78.14	--	--	3922.58
MW-8	06/15/04	4000.72	78.29	--	--	3922.43
MW-8	06/21/04	4000.72	78.31	--	--	3922.41
MW-8	06/28/04	4000.72	78.65	--	--	3922.07
MW-8	07/06/04	4000.72	78.49	--	--	3922.23
MW-8	07/12/04	4000.72	78.61	--	--	3922.11
MW-8	07/19/04	4000.72	78.57	--	--	3922.15
MW-8	07/26/04	4000.72	78.79	--	--	3921.93
MW-8	08/02/04	4000.72	78.65	--	--	3922.07
MW-8	08/10/04	4000.72	78.79	--	--	3921.93
MW-8	08/16/04	4000.72	78.78	--	--	3921.94
MW-8	08/23/04	4000.72	78.53	--	--	3922.19
MW-8	08/30/04	4000.72	78.77	--	--	3921.95
MW-8	09/08/04	4000.72	78.87	--	--	3921.85
MW-8	10/08/04	4000.72	78.87	--	--	3921.85
MW-8	12/30/04	4000.72	78.91	--	--	3921.81
MW-8	01/17/05	4000.72	79.27	--	--	3921.45
MW-8	02/09/05	4000.72	79.15	--	--	3921.57
MW-8	03/09/05	4000.72	79.18	--	--	3921.54
MW-8	04/05/05	4000.72	78.84	--	--	3921.88
MW-8	05/10/05	4000.72	78.87	--	--	3921.85
MW-8	06/08/05	4000.72	79.11	78.82	0.29	3921.84
MW-8	07/05/05	4000.72	79.05	79.01	0.04	3921.70
MW-8	08/08/05	4000.72	79.69	78.82	0.87	3921.73
MW-8	09/14/05	4000.72	79.69	78.61	1.08	3921.89

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Maljamar Gas Plant
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Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-8	10/12/05	4000.72	79.73	78.66	1.07	3921.85
MW-8	11/09/05	4000.72	79.72	78.72	1.00	3921.80
MW-8	12/14/05	4000.72	79.47	78.51	0.96	3922.02
MW-8	01/12/06	4000.72	79.21	78.31	0.90	3922.23
MW-8	02/02/06	4000.72	79.13	78.27	0.86	3922.28
MW-8	03/07/06	4000.72	79.29	78.48	0.81	3922.08
MW-8	04/05/06	4000.72	79.17	78.48	0.69	3922.10
MW-8	05/08/06	4000.72	79.15	78.40	0.75	3922.17
MW-8	06/05/06	4000.72	79.22	78.52	0.70	3922.06
MW-8	07/11/06	4000.72	79.23	78.56	0.67	3922.03
MW-8	08/16/06	4000.72	79.16	78.54	0.62	3922.06
MW-8	09/07/06	4000.72	78.96	78.36	0.60	3922.24
MW-8	10/11/06	4000.72	78.94	78.36	0.58	3922.24
MW-8	11/08/06	4000.72	78.78	78.20	0.58	3922.40
MW-8	12/04/06	4000.72	79.37	78.83	0.54	3921.78
MW-8	01/04/07	4000.72	78.61	78.09	0.52	3922.53
MW-8	02/27/07	4000.72	78.53	78.05	0.48	3922.57
MW-8	03/20/07	4000.72	78.79	78.32	0.47	3922.31
MW-8	04/17/07	4000.72	78.69	78.24	0.45	3922.39
MW-8	05/07/07	4000.72	78.91	78.46	0.45	3922.17
MW-8	06/27/07	4000.72	78.73	78.32	0.41	3922.32
MW-8	07/19/07	4000.72	78.61	78.22	0.39	3922.42
MW-8	08/21/07	4000.72	78.51	78.13	0.38	3922.51
MW-8	09/17/07	4000.72	78.53	78.16	0.37	3922.49
MW-8	10/16/07	4000.72	78.42	78.07	0.35	3922.58
MW-8	11/20/07	4000.72	78.47	78.14	0.33	3922.51
MW-8	12/21/07	4000.72	78.24	77.92	0.32	3922.74
MW-8	01/22/08	4000.72	78.64	78.34	0.30	3922.32
MW-8	02/27/08	4000.72	78.43	78.14	0.29	3922.52
MW-8	03/25/08	4000.72	78.22	77.92	0.30	3922.74
MW-8	04/29/08	4000.72	78.19	77.91	0.28	3922.75
MW-8	05/05/08	4000.72	78.14	77.87	0.27	3922.80
MW-8	06/10/08	4000.72	78.11	77.85	0.26	3922.82
MW-8	07/15/08	4000.72	78.08	77.82	0.26	3922.85
MW-8	08/19/08	4000.72	77.96	77.71	0.25	3922.96
MW-8	09/16/08	4000.72	78.18	77.94	0.24	3922.73
MW-8	10/15/08	4000.72	78.06	77.83	0.23	3922.84
MW-8	11/12/08	4000.72	77.76	77.54	0.22	3923.14
MW-8	12/11/08	4000.72	77.98	77.77	0.21	3922.91
MW-8	01/13/09	4000.72	78.20	78.00	0.20	3922.68
MW-8	02/11/09	4000.72	77.84	77.66	0.18	3923.02
MW-8	03/10/09	4000.72	77.64	77.46	0.18	3923.22

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Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-8	04/13/09	4000.72	77.78	77.60	0.18	3923.08
MW-8	05/01/09	4000.72	77.61	77.44	0.17	3923.25
MW-8	06/08/09	4000.72	77.49	77.32	0.17	3923.37
MW-8	07/13/09	4000.72	77.61	77.45	0.16	3923.24
MW-8	08/10/09	4000.72	77.60	77.45	0.15	3923.24
MW-8	09/15/09	4000.72	77.37	77.22	0.15	3923.47
MW-8	10/06/09	4000.72	77.25	77.11	0.14	3923.58
MW-8	11/09/09	4000.72	77.47	77.32	0.15	3923.37
MW-8	12/23/09	4000.72	76.90	76.78	0.12	3923.92
MW-8	01/20/10	4000.72	76.84	76.71	0.13	3923.98
MW-8	02/09/10	4000.72	77.46	77.24	0.22	3923.44
MW-8	03/09/10	4000.72	77.07	76.94	0.13	3923.75
MW-8	04/12/10	4000.72	77.40	77.27	0.13	3923.42
MW-8	05/24/10	4000.72	77.19	77.08	0.11	3923.62
MW-8	06/14/10	4000.72	77.27	77.22	0.05	3923.49
MW-8	07/20/10	4000.72	77.40	77.30	0.10	3923.40
MW-8	08/11/10	4000.72	77.42	77.32	0.10	3923.38
MW-8	09/21/10	4000.72	77.25	77.16	0.09	3923.54
MW-8	10/20/10	4000.72	NM	NM	NM	NM
MW-8	11/08/10	4000.72	77.20	77.11	0.09	3923.59
MW-8	12/07/10	4000.72	77.22	77.14	0.08	3923.56
MW-8	01/18/11	4000.72	77.15	77.06	0.09	3923.64
MW-8	02/08/11	4000.72	NM	NM	NM	NM
MW-8	03/08/11	4000.72	76.75	76.65	0.10	3924.05
MW-8	04/13/11	4000.72	76.82	76.75	0.07	3923.96
MW-8	05/23/11	4000.72	76.75	76.67	0.08	3924.03
MW-8	06/28/11	4000.72	77.22	77.15	0.07	3923.56
MW-8	07/19/11	4000.72	77.22	77.15	0.07	3923.56
MW-8	08/31/11	4000.72	77.27	77.22	0.05	3923.49
MW-8	09/27/11	4000.72	77.41	77.31	0.10	3923.39
MW-8	10/24/11	4000.72	77.60	77.55	0.05	3923.16
MW-8	11/29/11	4000.72	77.85	77.81	0.04	3922.90
MW-8	12/23/11	4000.72	77.75	77.72	0.03	3922.99
MW-8	01/31/12	4000.72	77.79	77.71	0.08	3922.99
MW-8	02/29/12	4000.72	77.92	77.88	0.04	3922.83
MW-8	03/27/12	4000.72	77.98	--	--	3922.74
MW-8	04/18/12	4000.72	78.08	--	--	3922.64
MW-8	05/21/12	4000.72	78.39	--	--	3922.33
MW-8	07/17/12	4000.72	78.10	--	--	3922.62
MW-8	08/21/12	4000.72	78.17	78.15	0.02	3922.57
MW-8	09/17/12	4000.72	78.06	--	--	3922.66
MW-8	12/13/12	4000.72	78.33	--	--	3922.39

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Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-8	01/09/13	4000.72	78.44	--	--	3922.28
MW-8	02/06/13	4000.72	78.23	--	--	3922.49
MW-8	03/06/13	4000.72	78.57	--	--	3922.15
MW-8	05/01/13	4000.72	78.39	--	--	3922.33
MW-8	06/05/13	4000.72	78.69	--	--	3922.03
MW-8	07/03/13	4000.72	79.02	--	--	3921.70
MW-8	07/30/13	4000.72	79.11	--	--	3921.61
MW-8	08/15/13	4000.72	79.62	78.96	0.66	3921.63
MW-8	10/02/13	4000.72	79.01	78.91	0.10	3921.79
MW-8	12/23/13	4000.72	81.21	78.57	2.64	3921.62
MW-8	01/09/14	4003.11	80.88	78.17	2.71	3924.40
MW-8	02/12/14	4003.11	81.21	78.41	2.80	3924.14
MW-8	03/19/14	4003.11	81.42	78.65	2.77	3923.91
MW-8	04/03/14	4003.11	NM	NM	NM	NM
MW-8	05/07/14	4003.11	81.16	78.22	2.94	3924.30
MW-8	06/05/14	4003.11	81.30	78.39	2.91	3924.14
MW-8	07/01/14	4003.11	81.63	78.60	3.03	3923.90
MW-8	07/22/14	4003.11	81.96	78.61	3.35	3923.83
MW-8	08/05/14	4003.11	82.23	78.55	3.68	3923.82
MW-8	09/04/14	4003.11	82.24	78.40	3.84	3923.94
MW-8	10/02/14	4003.11	81.58	78.72	2.86	3923.82
MW-8	11/06/14	4003.11	81.78	79.24	2.54	3923.36
MW-8	12/04/14	4003.11	79.75	79.64	0.11	3923.45
MW-8	01/15/15	4003.11	80.40	79.80	0.60	3923.19
MW-8	04/21/15	4003.11	80.00	79.24	0.76	3923.72
MW-8	05/15/15	4003.11	79.84	79.09	0.75	3923.87
MW-8	06/11/15	4003.11	79.83	79.14	0.69	3923.83
MW-8	08/24/15	4003.11	79.85	79.23	0.62	3923.76
MW-8	09/02/15	4003.11	79.74	79.29	0.45	3923.73
MW-8	10/05/15	4003.11	79.70	79.32	0.38	3923.71
MW-8	11/23/15	4003.11	79.40	79.08	0.32	3923.97
MW-8	01/20/16	4003.11	79.01	78.66	0.35	3924.38
MW-8	02/16/16	4003.11	78.96	78.69	0.27	3924.37
MW-8	03/15/16	4003.11	78.65	--	--	3924.46
MW-8	04/20/16	4003.11	78.63	--	--	3924.48
MW-8	05/18/16	4003.11	78.77	--	--	3924.34
MW-8	06/21/16	4003.11	78.72	--	--	3924.39
MW-8	08/08/16	4003.11	78.41	--	--	3924.70
MW-8	08/16/16	4003.11	78.71	--	--	3924.40
MW-8	09/20/16	4003.11	78.61	--	--	3924.50
MW-8	10/18/16	4003.11	78.43	--	--	3924.68
MW-8	12/20/16	4003.11	78.70	--	--	3924.41

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Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-8	01/16/17	4003.11	78.23	--	--	3924.88
MW-8	04/19/17	4003.11	78.23	--	--	3924.88
MW-8	05/17/17	4003.11	78.04	--	--	3925.07
MW-8	08/21/17	4003.11	78.22	--	--	3924.89
MW-9	05/23/01	4003.11	83.00	--	--	3920.11
MW-9	05/24/01	4003.11	83.63	--	--	3919.48
MW-9	06/29/01	4003.11	83.55	--	--	3919.56
MW-9	12/13/01	4003.11	83.91	--	--	3919.20
MW-9	03/22/02	4003.11	84.08	--	--	3919.03
MW-9	09/16/02	4003.11	84.44	--	--	3918.67
MW-9	09/20/02	4003.11	84.44	--	--	3918.67
MW-9	04/05/04	4003.11	84.58	--	--	3918.53
MW-9	05/17/04	4003.11	89.30	84.65	4.65	3917.53
MW-9	05/24/04	4003.11	89.29	84.57	4.72	3917.60
MW-9	06/01/04	4003.11	89.31	84.67	4.64	3917.51
MW-9	06/07/04	4003.11	89.29	84.59	4.70	3917.58
MW-9	06/15/04	4003.11	89.37	84.70	4.67	3917.48
MW-9	06/21/04	4003.11	89.38	84.69	4.69	3917.48
MW-9	06/28/04	4003.11	89.51	84.92	4.59	3917.27
MW-9	07/06/04	4003.11	89.42	84.83	4.59	3917.36
MW-9	07/12/04	4003.11	89.51	84.89	4.62	3917.30
MW-9	07/19/04	4003.11	89.47	84.86	4.61	3917.33
MW-9	07/26/04	4003.11	89.58	85.00	4.58	3917.19
MW-9	08/02/04	4003.11	89.44	84.93	4.51	3917.28
MW-9	08/10/04	4003.11	89.53	85.10	4.43	3917.12
MW-9	08/16/04	4003.11	89.50	85.03	4.47	3917.19
MW-9	08/23/04	4003.11	89.27	84.87	4.40	3917.36
MW-9	08/30/04	4003.11	89.45	85.17	4.28	3917.08
MW-9	09/08/04	4003.11	89.48	85.12	4.36	3917.12
MW-9	10/08/04	4003.11	89.39	85.14	4.25	3917.12
MW-9	12/30/04	4003.11	89.24	85.25	3.99	3917.06
MW-9	01/17/05	4003.11	89.59	85.47	4.12	3916.82
MW-9	03/09/05	4003.11	89.58	85.47	4.11	3916.82
MW-9	04/05/05	4003.11	89.30	85.30	4.00	3917.01
MW-9	05/10/05	4003.11	89.42	85.29	4.13	3916.99
MW-9	06/08/05	4003.11	89.54	85.25	4.29	3917.00
MW-9	07/05/05	4003.11	89.72	85.53	4.19	3916.74
MW-9	08/08/05	4003.11	89.68	85.45	4.23	3916.81
MW-9	09/14/05	4003.11	89.63	85.44	4.19	3916.83
MW-9	10/12/05	4003.11	89.82	85.45	4.37	3916.79
MW-9	11/09/05	4003.11	89.88	85.47	4.41	3916.76

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-9	12/14/05	4003.11	89.79	85.30	4.49	3916.91
MW-9	01/12/06	4003.11	89.73	85.18	4.55	3917.02
MW-9	02/02/06	4003.11	89.72	85.12	4.60	3917.07
MW-9	03/07/06	4003.11	89.84	85.22	4.62	3916.97
MW-9	04/05/06	4003.11	89.79	84.16	5.63	3917.82
MW-9	05/08/06	4003.11	89.68	85.05	4.63	3917.13
MW-9	06/05/06	4003.11	89.75	85.11	4.64	3917.07
MW-9	07/11/06	4003.11	89.75	85.13	4.62	3917.06
MW-9	08/16/06	4003.11	89.66	85.25	4.41	3916.98
MW-9	09/07/06	4003.11	89.51	85.20	4.31	3917.05
MW-9	10/11/06	4003.11	88.38	85.24	3.14	3917.24
MW-9	11/08/06	4003.11	89.26	85.15	4.11	3917.14
MW-9	12/04/06	4003.11	89.62	85.62	4.00	3916.69
MW-9	01/04/07	4003.11	89.14	85.18	3.96	3917.14
MW-9	02/27/07	4003.11	89.12	85.15	3.97	3917.17
MW-9	03/20/07	4003.11	89.11	85.32	3.79	3917.03
MW-9	04/17/07	4003.11	89.06	85.19	3.87	3917.15
MW-9	05/07/07	4003.11	89.15	85.25	3.90	3917.08
MW-9	06/27/07	4003.11	88.98	85.12	3.86	3917.22
MW-9	07/19/07	4003.11	89.01	85.04	3.97	3917.28
MW-9	08/21/07	4003.11	89.00	84.89	4.11	3917.40
MW-9	09/17/07	4003.11	88.97	84.94	4.03	3917.36
MW-9	10/16/07	4003.11	89.08	84.76	4.32	3917.49
MW-9	11/20/07	4003.11	89.10	84.77	4.33	3917.47
MW-9	12/21/07	4003.11	89.05	84.49	4.56	3917.71
MW-9	01/22/08	4003.11	89.18	84.79	4.39	3917.44
MW-9	02/27/08	4003.11	89.27	84.87	4.40	3917.36
MW-9	03/25/08	4003.11	88.02	84.89	3.13	3917.59
MW-9	04/29/08	4003.11	88.78	84.68	4.10	3917.61
MW-9	05/05/08	4003.11	88.88	84.68	4.20	3917.59
MW-9	06/10/08	4003.11	88.60	84.72	3.88	3917.61
MW-9	07/15/08	4003.11	88.15	84.50	3.65	3917.88
MW-9	08/19/08	4003.11	87.96	84.40	3.56	3918.00
MW-9	09/16/08	4003.11	87.94	84.49	3.45	3917.93
MW-9	10/15/08	4003.11	86.74	85.10	1.64	3917.68
MW-9	11/12/08	4003.11	86.13	84.95	1.18	3917.92
MW-9	12/11/08	4003.11	86.07	85.07	1.00	3917.84
MW-9	01/13/09	4003.11	86.06	85.21	0.85	3917.73
MW-9	02/11/09	4003.11	85.56	85.11	0.45	3917.91
MW-9	03/10/09	4003.11	86.22	84.62	1.60	3918.17
MW-9	04/13/09	4003.11	86.12	84.71	1.41	3918.12
MW-9	05/01/09	4003.11	85.76	84.50	1.26	3918.36

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-9	06/08/09	4003.11	85.51	84.55	0.96	3918.37
MW-9	07/13/09	4003.11	85.41	84.60	0.81	3918.35
MW-9	08/10/09	4003.11	85.37	84.67	0.70	3918.30
MW-9	09/15/09	4003.11	85.12	84.57	0.55	3918.43
MW-9	10/06/09	4003.11	85.04	84.57	0.47	3918.45
MW-9	11/09/09	4003.11	85.10	84.60	0.50	3918.41
MW-9	12/23/09	4003.11	84.67	84.20	0.47	3918.82
MW-9	01/20/10	4003.11	84.60	84.12	0.48	3918.89
MW-9	02/09/10	4003.11	85.06	84.66	0.40	3918.37
MW-9	03/09/10	4003.11	84.60	84.35	0.25	3918.71
MW-9	04/12/10	4003.11	84.78	84.60	0.18	3918.47
MW-9	05/24/10	4003.11	84.66	84.47	0.19	3918.60
MW-9	06/14/10	4003.11	84.64	84.57	0.07	3918.53
MW-9	07/20/10	4003.11	84.75	84.65	0.10	3918.44
MW-9	08/11/10	4003.11	84.76	84.58	0.18	3918.49
MW-9	09/21/10	4003.11	84.60	84.47	0.13	3918.61
MW-9	11/08/10	4003.11	84.65	84.51	0.14	3918.57
MW-9	12/07/10	4003.11	84.57	--	--	3918.54
MW-9	01/18/11	4003.11	84.71	84.65	0.06	3918.45
MW-9	02/08/11	4003.11	84.63	84.38	0.25	3918.68
MW-9	03/08/11	4003.11	84.65	84.47	0.18	3918.60
MW-9	04/13/11	4003.11	84.65	84.62	0.03	3918.48
MW-9	05/23/11	4003.11	84.71	84.59	0.12	3918.50
MW-9	06/28/11	4003.11	85.05	84.85	0.20	3918.22
MW-9	07/19/11	4003.11	84.98	84.73	0.25	3918.33
MW-9	08/31/11	4003.11	84.86	84.65	0.21	3918.42
MW-9	09/27/11	4003.11	84.92	84.72	0.20	3918.35
MW-9	10/24/11	4003.11	85.01	84.77	0.24	3918.29
MW-9	11/29/11	4003.11	85.20	84.97	0.23	3918.09
MW-9	12/23/11	4003.11	85.17	84.91	0.26	3918.15
MW-9	01/31/12	4003.11	85.02	84.83	0.19	3918.24
MW-9	02/29/12	4003.11	84.96	84.19	0.77	3918.77
MW-9	03/27/12	4003.11	NM	NM	NM	NM
MW-9	04/18/12	4003.11	85.19	--	--	3917.92
MW-9	05/21/12	4003.11	85.37	--	--	3917.74
MW-9	07/17/12	4003.11	85.29	--	--	3917.82
MW-9	08/21/12	4003.11	85.33	--	--	3917.78
MW-9	12/13/12	4003.11	NM	NM	NM	NM
MW-9	01/09/13	4003.11	85.74	--	--	3917.37
MW-9	02/06/13	4003.11	NM	NM	NM	NM
MW-9	03/06/13	4003.11	NM	NM	NM	NM
MW-9	05/01/13	4003.11	85.82	--	--	3917.29

Historical Groundwater Elevation Data
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Maljamar Gas Plant
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Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-9	06/05/13	4003.11	85.94	--	--	3917.17
MW-9	07/03/13	4003.11	86.11	--	--	3917.00
MW-9	07/30/13	4003.11	86.17	--	--	3916.94
MW-9	08/15/13	4003.11	86.26	--	--	3916.85
MW-9	10/02/13	4003.11	80.00	78.50	1.50	3924.31
MW-9	12/23/13	4003.11	88.56	86.15	2.41	3916.48
MW-9	01/09/14	4003.11	88.42	85.76	2.66	3916.82
MW-9	02/12/14	4003.11	88.58	86.37	2.21	3916.30
MW-9	03/19/14	4003.11	88.74	86.48	2.26	3916.18
MW-9	05/07/14	4003.11	88.56	86.07	2.49	3916.54
MW-9	04/03/14	4003.11	NM	NM	NM	NM
MW-9	06/05/14	4003.11	88.72	86.09	2.63	3916.49
MW-9	07/01/14	4003.11	89.94	86.34	3.60	3916.05
MW-9	07/22/14	4003.11	89.50	86.42	3.08	3916.07
MW-9	08/05/14	4003.11	89.50	86.34	3.16	3916.14
MW-9	09/04/14	4003.11	89.46	86.33	3.13	3916.15
MW-9	10/02/14	4003.11	89.36	86.32	3.04	3916.18
MW-9	11/06/14	4003.11	89.51	86.51	3.00	3916.00
MW-9	12/04/14	4003.11	88.85	85.90	2.95	3916.62
MW-9	01/15/15	4003.11	88.69	85.66	3.03	3916.84
MW-9	04/21/15	4003.11	88.80	84.84	3.96	3917.48
MW-9	05/15/15	4003.11	88.97	84.69	4.28	3917.56
MW-9	06/11/15	4003.11	89.00	84.74	4.26	3917.52
MW-9	08/24/15	4003.11	88.70	84.46	4.24	3917.80
MW-9	09/02/15	4003.11	NM	NM	NM	NM
MW-9	10/05/15	4003.11	88.36	84.97	3.39	3917.46
MW-9	11/23/15	4003.11	88.53	83.15	5.38	3918.88
MW-9	01/20/16	4003.11	88.48	82.05	6.43	3919.77
MW-9	02/16/16	4003.11	87.80	82.15	5.65	3919.83
MW-9	03/15/16	4003.11	87.77	82.18	5.59	3919.81
MW-9	04/20/16	4003.11	87.63	82.33	5.30	3919.72
MW-9	05/18/16	4003.11	87.56	82.65	4.91	3919.48
MW-9	06/21/16	4003.11	NM	NM	NM	NM
MW-9	08/08/16	4003.11	87.23	82.21	5.02	3919.90
MW-9	08/16/16	4003.11	87.57	82.92	4.65	3919.26
MW-9	09/20/16	4003.11	87.58	82.89	4.69	3919.28
MW-9	10/18/16	4003.11	87.57	82.54	5.03	3919.56
MW-9	12/20/16	4003.11	87.50	82.30	5.20	3919.77
MW-9	01/16/17	4003.11	87.50	81.80	5.70	3920.17
MW-9	04/19/17	4003.11	87.55	81.90	5.65	3920.08
MW-9	05/17/17	4003.11	86.51	82.17	4.34	3920.07
MW-9	08/21/17	4003.11	86.58	82.48	4.10	3919.81

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MW-10	12/13/01	4000.47	70.39	--	--	3930.08
MW-10	03/22/02	4000.47	70.76	--	--	3929.71
MW-10	09/16/02	4000.47	70.92	--	--	3929.55
MW-10	09/20/02	4000.47	70.79	--	--	3929.68
MW-10	09/04/03	4000.47	71.69	--	--	3928.78
MW-10	04/05/04	4000.47	71.87	--	--	3928.60
MW-10	05/17/04	4000.47	71.92	--	--	3928.55
MW-10	05/24/04	4000.47	71.85	--	--	3928.62
MW-10	06/01/04	4000.47	71.90	--	--	3928.57
MW-10	06/07/04	4000.47	71.83	--	--	3928.64
MW-10	06/15/04	4000.47	71.97	--	--	3928.50
MW-10	06/21/04	4000.47	71.94	--	--	3928.53
MW-10	06/28/04	4000.47	72.26	--	--	3928.21
MW-10	07/06/04	4000.47	72.14	--	--	3928.33
MW-10	07/12/04	4000.47	72.23	--	--	3928.24
MW-10	07/19/04	4000.47	72.19	--	--	3928.28
MW-10	07/26/04	4000.47	72.37	--	--	3928.10
MW-10	08/02/04	4000.47	72.25	--	--	3928.22
MW-10	08/10/04	4000.47	72.39	--	--	3928.08
MW-10	08/16/04	4000.47	72.36	--	--	3928.11
MW-10	08/23/04	4000.47	72.13	--	--	3928.34
MW-10	08/30/04	4000.47	72.37	--	--	3928.10
MW-10	09/08/04	4000.47	72.45	--	--	3928.02
MW-10	10/08/04	4000.47	72.45	--	--	3928.02
MW-10	12/30/04	4000.47	72.53	--	--	3927.94
MW-10	01/17/05	4000.47	72.86	--	--	3927.61
MW-10	02/09/05	4000.47	72.82	--	--	3927.65
MW-10	03/09/05	4000.47	72.86	--	--	3927.61
MW-10	04/05/05	4000.47	72.57	--	--	3927.90
MW-10	05/10/05	4000.47	72.63	--	--	3927.84
MW-10	06/08/05	4000.47	72.74	--	--	3927.73
MW-10	07/05/05	4000.47	73.01	--	--	3927.46
MW-10	08/08/05	4000.47	72.92	--	--	3927.55
MW-10	09/14/05	4000.47	72.86	--	--	3927.61
MW-10	10/12/05	4000.47	72.97	--	--	3927.50
MW-10	11/09/05	4000.47	73.04	--	--	3927.43
MW-10	12/14/05	4000.47	72.84	--	--	3927.63
MW-10	01/12/06	4000.47	72.64	--	--	3927.83
MW-10	02/02/06	4000.47	72.64	--	--	3927.83
MW-10	03/07/06	4000.47	73.75	--	--	3926.72
MW-10	04/05/06	4000.47	72.66	--	--	3927.81
MW-10	05/08/06	4000.47	72.58	--	--	3927.89

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MW-10	06/05/06	4000.47	72.69	--	--	3927.78
MW-10	07/11/06	4000.47	72.74	--	--	3927.73
MW-10	08/16/06	4000.47	72.68	--	--	3927.79
MW-10	09/07/06	4000.47	72.43	--	--	3928.04
MW-10	10/11/06	4000.47	72.36	--	--	3928.11
MW-10	11/08/06	4000.47	72.17	--	--	3928.30
MW-10	12/04/06	4000.47	72.64	--	--	3927.83
MW-10	01/04/07	4000.47	71.95	--	--	3928.52
MW-10	02/27/07	4000.47	71.93	--	--	3928.54
MW-10	03/20/07	4000.47	72.09	--	--	3928.38
MW-10	04/17/07	4000.47	71.88	--	--	3928.59
MW-10	05/07/07	4000.47	72.10	--	--	
MW-10	06/27/07	4000.47	72.00	--	--	3928.47
MW-10	07/19/07	4000.47	71.89	--	--	3928.58
MW-10	08/21/07	4000.47	71.86	--	--	3928.61
MW-10	09/17/07	4000.47	71.82	--	--	3928.65
MW-10	10/16/07	4000.47	71.75	--	--	3928.72
MW-10	11/20/07	4000.47	71.79	--	--	3928.68
MW-10	12/21/07	4000.47	71.57	--	--	3928.90
MW-10	01/22/08	4000.47	72.00	--	--	3928.47
MW-10	02/27/08	4000.47	71.86	--	--	3928.61
MW-10	03/25/08	4000.47	71.69	--	--	3928.78
MW-10	04/29/08	4000.47	71.65	--	--	3928.82
MW-10	05/05/08	4000.47	71.64	--	--	3928.83
MW-10	06/10/08	4000.47	71.66	--	--	3928.81
MW-10	07/15/08	4000.47	71.66	--	--	3928.81
MW-10	08/19/08	4000.47	71.66	--	--	3928.81
MW-10	09/16/08	4000.47	71.90	--	--	3928.57
MW-10	10/15/08	4000.47	71.84	--	--	3928.63
MW-10	11/12/08	4000.47	71.60	--	--	3928.87
MW-10	12/11/08	4000.47	71.77	--	--	3928.70
MW-10	01/13/09	4000.47	71.98	--	--	3928.49
MW-10	02/11/09	4000.47	71.73	--	--	3928.74
MW-10	03/10/09	4000.47	71.50	--	--	3928.97
MW-10	04/13/09	4000.47	71.63	--	--	3928.84
MW-10	05/01/09	4000.47	71.76	--	--	3928.71
MW-10	06/08/09	4000.47	71.36	--	--	3929.11
MW-10	07/13/09	4000.47	71.43	--	--	3929.04
MW-10	08/10/09	4000.47	71.47	--	--	3929.00
MW-10	09/15/09	4000.47	71.34	--	--	3929.13
MW-10	10/06/09	4000.47	71.29	--	--	3929.18
MW-10	11/09/09	4000.47	71.52	--	--	3928.95

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MW-10	12/23/09	4000.47	71.08	--	--	3929.39
MW-10	01/20/10	4000.47	71.03	--	--	3929.44
MW-10	02/09/10	4000.47	71.60	--	--	3928.87
MW-10	03/09/10	4000.47	71.25	--	--	3929.22
MW-10	04/12/10	4000.47	71.53	--	--	3928.94
MW-10	05/24/10	4000.47	71.39	--	--	3929.08
MW-10	06/14/10	4000.47	71.51	--	--	3928.96
MW-10	07/20/10	4000.47	70.60	--	--	3929.87
MW-10	08/11/10	4000.47	71.65	--	--	3928.82
MW-10	09/21/10	4000.47	71.59	--	--	3928.88
MW-10	10/20/10	4000.47	71.78	--	--	3928.69
MW-10	11/08/10	4000.47	71.61	--	--	3928.86
MW-10	12/07/10	4000.47	71.69	--	--	3928.78
MW-10	01/18/11	4000.47	71.77	--	--	3928.70
MW-10	02/08/11	4000.47	NM	NM	NM	NM
MW-10	03/08/11	4000.47	71.57	--	--	3928.90
MW-10	04/13/11	4000.47	71.72	--	--	3928.75
MW-10	05/23/11	4000.47	71.68	--	--	3928.79
MW-10	06/28/11	4000.47	71.98	--	--	3928.49
MW-10	07/19/11	4000.47	71.90	--	--	3928.57
MW-10	08/31/11	4000.47	71.84	--	--	3928.63
MW-10	09/27/11	4000.47	71.94	--	--	3928.53
MW-10	10/24/11	4000.47	72.06	--	--	3928.41
MW-10	11/29/11	4000.47	72.26	--	--	3928.21
MW-10	12/23/11	4000.47	72.18	--	--	3928.29
MW-10	01/31/12	4000.47	72.12	--	--	3928.35
MW-10	02/29/12	4000.47	72.21	--	--	3928.26
MW-10	03/27/12	4000.47	72.26	--	--	3928.21
MW-10	04/18/12	4000.47	72.33	--	--	3928.14
MW-10	05/21/12	4000.47	72.59	--	--	3927.88
MW-10	07/17/12	4000.47	72.50	--	--	3927.97
MW-10	08/21/12	4000.47	72.52	--	--	3927.95
MW-10	09/17/12	4000.47	72.39	--	--	3928.08
MW-10	12/13/12	4000.47	72.73	--	--	3927.74
MW-10	01/09/13	4000.47	72.82	--	--	3927.65
MW-10	02/06/13	4000.47	72.61	--	--	3927.86
MW-10	03/06/13	4000.47	72.82	--	--	3927.65
MW-10	05/01/13	4000.47	72.61	--	--	3927.86
MW-10	06/05/13	4000.47	72.75	--	--	3927.72
MW-10	07/03/13	4000.47	72.92	--	--	3927.55
MW-10	07/30/13	4000.47	72.99	--	--	3927.48
MW-10	08/15/13	4000.47	73.02	--	--	3927.45

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Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-10	10/02/13	4000.47	72.99	--	--	3927.48
MW-10	12/23/13	4000.47	73.38	--	--	3927.09
MW-10	01/09/14	4000.47	73.04	--	--	3927.43
MW-10	02/12/14	4000.47	73.30	--	--	3927.17
MW-10	03/19/14	4000.47	73.48	--	--	3926.99
MW-10	04/03/14	4000.47	73.13	--	--	3927.34
MW-10	05/07/14	4000.47	73.16	--	--	3927.31
MW-10	06/05/14	4000.47	73.27	--	--	3927.20
MW-10	07/01/14	4000.47	73.49	--	--	3926.98
MW-10	07/22/14	4000.47	73.64	--	--	3926.83
MW-10	08/05/14	4000.47	73.62	--	--	3926.85
MW-10	09/04/14	4000.47	73.55	--	--	3926.92
MW-10	10/02/14	4000.47	73.60	--	--	3926.87
MW-10	11/06/14	4000.47	73.99	--	--	3926.48
MW-10	12/04/14	4000.47	73.61	--	--	3926.86
MW-10	01/15/15	4000.47	73.89	--	--	3926.58
MW-10	04/21/15	4000.47	73.64	--	--	3926.83
MW-10	05/15/15	4000.47	73.60	--	--	3926.87
MW-10	06/11/15	4000.47	73.66	--	--	3926.81
MW-10	08/24/15	4000.47	73.95	--	--	3926.52
MW-10	09/02/15	4000.47	73.89	--	--	3926.58
MW-10	10/05/15	4000.47	73.97	--	--	3926.50
MW-10	11/23/15	4000.47	73.78	--	--	3926.69
MW-10	01/20/16	4000.47	73.60	--	--	3926.87
MW-10	02/16/16	4000.47	73.61	--	--	3926.86
MW-10	03/15/16	4000.47	73.48	--	--	3926.99
MW-10	04/20/16	4000.47	73.45	--	--	3927.02
MW-10	05/18/16	4000.47	73.50	--	--	3926.97
MW-10	06/21/16	4000.47	73.41	--	--	3927.06
MW-10	08/08/16	4000.47	73.08	--	--	3927.39
MW-10	08/16/16	4000.47	73.30	--	--	3927.17
MW-10	09/20/16	4000.47	72.23	--	--	3928.24
MW-10	10/18/16	4000.47	73.06	--	--	3927.41
MW-10	12/20/16	4000.47	71.85	--	--	3928.62
MW-10	01/16/17	4000.47	71.50	--	--	3928.97
MW-10	04/19/17	4000.47	71.46	--	--	3929.01
MW-10	05/17/17	4000.47	71.28	--	--	3929.19
MW-10	08/21/17	4000.47	71.40	--	--	3929.07

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-11	12/13/01	4015.54	81.38	--	--	3934.16
MW-11	03/22/02	4015.54	83.60	--	--	3931.94
MW-11	09/16/02	4015.54	83.82	--	--	3931.72
MW-11	09/20/02	4015.54	83.70	--	--	3931.84
MW-11	09/04/03	4015.54	84.50	--	--	3931.04
MW-11	04/05/04	4015.54	84.54	--	--	3931.00
MW-11	05/17/04	4015.54	84.64	--	--	3930.90
MW-11	05/24/04	4015.54	84.55	--	--	3930.99
MW-11	06/01/04	4015.54	84.61	--	--	3930.93
MW-11	06/07/04	4015.54	84.58	--	--	3930.96
MW-11	06/15/04	4015.54	84.69	--	--	3930.85
MW-11	06/21/04	4015.54	84.72	--	--	3930.82
MW-11	06/28/04	4015.54	84.99	--	--	3930.55
MW-11	07/06/04	4015.54	84.83	--	--	3930.71
MW-11	07/12/04	4015.54	84.96	--	--	3930.58
MW-11	07/19/04	4015.54	84.90	--	--	3930.64
MW-11	07/26/04	4015.54	85.11	--	--	3930.43
MW-11	08/02/04	4015.54	84.96	--	--	3930.58
MW-11	08/10/04	4015.54	85.09	--	--	3930.45
MW-11	08/16/04	4015.54	85.06	--	--	3930.48
MW-11	08/23/04	4015.54	84.83	--	--	3930.71
MW-11	08/30/04	4015.54	85.06	--	--	3930.48
MW-11	09/08/04	4015.54	85.14	--	--	3930.40
MW-11	10/08/04	4015.54	85.12	--	--	3930.42
MW-11	12/30/04	4015.54	85.12	--	--	3930.42
MW-11	01/17/05	4015.54	85.52	--	--	3930.02
MW-11	02/09/05	4015.54	85.33	--	--	3930.21
MW-11	03/09/05	4015.54	85.45	--	--	3930.09
MW-11	04/05/05	4015.54	85.15	--	--	3930.39
MW-11	05/10/05	4015.54	85.21	--	--	3930.33
MW-11	06/08/05	4015.54	85.31	--	--	3930.23
MW-11	07/05/05	4015.54	85.59	--	--	3929.95
MW-11	08/08/05	4015.54	85.50	--	--	3930.04
MW-11	09/14/05	4015.54	85.42	--	--	3930.12
MW-11	10/12/05	4015.54	85.54	--	--	3930.00
MW-11	11/09/05	4015.54	85.62	--	--	3929.92
MW-11	12/14/05	4015.54	85.41	--	--	3930.13
MW-11	01/12/06	4015.54	85.26	--	--	3930.28
MW-11	02/02/06	4015.54	85.23	--	--	3930.31
MW-11	03/07/06	4015.54	85.44	--	--	3930.10
MW-11	04/05/06	4015.54	85.38	--	--	3930.16
MW-11	05/08/06	4015.54	85.33	--	--	3930.21

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-11	06/05/06	4015.54	85.47	--	--	3930.07
MW-11	07/11/06	4015.54	85.48	--	--	3930.06
MW-11	08/16/06	4015.54	85.52	--	--	3930.02
MW-11	09/07/06	4015.54	85.43	--	--	3930.11
MW-11	10/11/06	4015.54	85.41	--	--	3930.13
MW-11	11/08/06	4015.54	85.31	--	--	3930.23
MW-11	12/04/06	4015.54	85.88	--	--	3929.66
MW-11	01/04/07	4015.54	85.20	--	--	3930.34
MW-11	02/27/07	4015.54	85.16	--	--	3930.38
MW-11	03/20/07	4015.54	85.33	--	--	3930.21
MW-11	04/17/07	4015.54	85.17	--	--	3930.37
MW-11	05/07/07	4015.54	85.40	--	--	3930.14
MW-11	06/27/07	4015.54	85.27	--	--	3930.27
MW-11	07/19/07	4015.54	85.13	--	--	3930.41
MW-11	08/21/07	4015.54	85.08	--	--	3930.46
MW-11	09/17/07	4015.54	85.05	--	--	3930.49
MW-11	10/16/07	4015.54	84.97	--	--	3930.57
MW-11	11/20/07	4015.54	85.02	--	--	3930.52
MW-11	12/21/07	4015.54	84.81	--	--	3930.73
MW-11	01/22/08	4015.54	85.27	--	--	3930.27
MW-11	02/27/08	4015.54	85.20	--	--	3930.34
MW-11	03/25/08	4015.54	84.99	--	--	3930.55
MW-11	04/29/08	4015.54	84.98	--	--	3930.56
MW-11	05/05/08	4015.54	84.93	--	--	3930.61
MW-11	06/10/08	4015.54	84.94	--	--	3930.60
MW-11	07/15/08	4015.54	84.90	--	--	3930.64
MW-11	08/19/08	4015.54	84.88	--	--	3930.66
MW-11	09/16/08	4015.54	85.13	--	--	3930.41
MW-11	10/15/08	4015.54	85.03	--	--	3930.51
MW-11	11/12/08	4015.54	84.72	--	--	3930.82
MW-11	12/11/08	4015.54	84.92	--	--	3930.62
MW-11	01/13/09	4015.54	85.15	--	--	3930.39
MW-11	02/11/09	4015.54	84.85	--	--	3930.69
MW-11	03/10/09	4015.54	84.63	--	--	3930.91
MW-11	04/13/09	4015.54	84.79	--	--	3930.75
MW-11	05/01/09	4015.54	84.64	--	--	3930.90
MW-11	06/08/09	4015.54	84.51	--	--	3931.03
MW-11	07/13/09	4015.54	84.61	--	--	3930.93
MW-11	08/10/09	4015.54	84.60	--	--	3930.94
MW-11	09/15/09	4015.54	84.44	--	--	3931.10
MW-11	10/06/09	4015.54	84.34	--	--	3931.20
MW-11	11/09/09	4015.54	84.58	--	--	3930.96

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-11	12/23/09	4015.54	84.06	--	--	3931.48
MW-11	01/20/10	4015.54	83.99	--	--	3931.55
MW-11	02/09/10	4015.54	84.64	--	--	3930.90
MW-11	03/09/10	4015.54	84.23	--	--	3931.31
MW-11	04/12/10	4015.54	84.54	--	--	3931.00
MW-11	05/24/10	4015.54	84.34	--	--	3931.20
MW-11	06/14/10	4015.54	84.48	--	--	3931.06
MW-11	07/20/10	4015.54	84.54	--	--	3931.00
MW-11	08/11/10	4015.54	84.57	--	--	3930.97
MW-11	09/21/10	4015.54	84.56	--	--	3930.98
MW-11	10/20/10	4015.54	84.62	--	--	3930.92
MW-11	11/08/10	4015.54	84.48	--	--	3931.06
MW-11	12/07/10	4015.54	84.58	--	--	3930.96
MW-11	01/18/11	4015.54	84.61	--	--	3930.93
MW-11	02/08/11	4015.54	84.38	--	--	3931.16
MW-11	03/08/11	4015.54	84.40	--	--	3931.14
MW-11	04/13/11	4015.54	84.61	--	--	3930.93
MW-11	05/23/11	4015.54	84.54	--	--	3931.00
MW-11	06/28/11	4015.54	84.85	--	--	3930.69
MW-11	07/19/11	4015.54	84.73	--	--	3930.81
MW-11	08/31/11	4015.54	84.61	--	--	3930.93
MW-11	09/27/11	4015.54	84.66	--	--	3930.88
MW-11	10/24/11	4015.54	84.79	--	--	3930.75
MW-11	11/29/11	4015.54	84.99	--	--	3930.55
MW-11	12/23/11	4015.54	84.83	--	--	3930.71
MW-11	01/31/12	4015.54	84.77	--	--	3930.77
MW-11	02/29/12	4015.54	84.81	--	--	3930.73
MW-11	03/27/12	4015.54	84.85	--	--	3930.69
MW-11	04/18/12	4015.54	84.91	--	--	3930.63
MW-11	07/17/12	4015.54	84.97	--	--	3930.57
MW-11	05/21/12	4015.54	85.15	--	--	3930.39
MW-11	08/21/12	4015.54	84.97	--	--	3930.57
MW-11	09/17/12	4015.54	84.83	--	--	3930.71
MW-11	12/13/12	4015.54	85.15	--	--	3930.39
MW-11	01/09/13	4015.54	85.24	--	--	3930.30
MW-11	02/06/13	4015.54	85.03	--	--	3930.51
MW-11	03/06/13	4015.54	85.33	--	--	3930.21
MW-11	05/01/13	4015.54	85.11	--	--	3930.43
MW-11	06/05/13	4015.54	85.29	--	--	3930.25
MW-11	07/03/13	4015.54	85.51	--	--	3930.03
MW-11	07/30/13	4015.54	85.55	--	--	3929.99
MW-11	08/15/13	4015.54	85.58	--	--	3929.96

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-11	10/02/13	4015.54	85.50	--	--	3930.04
MW-11	12/23/13	4015.54	85.86	--	--	3929.68
MW-11	01/09/14	4015.54	85.46	--	--	3930.08
MW-11	02/12/14	4015.54	85.73	--	--	3929.81
MW-11	03/19/14	4015.54	85.85	--	--	3929.69
MW-11	04/03/14	4015.54	85.46	--	--	3930.08
MW-11	05/07/14	4015.54	85.46	--	--	3930.08
MW-11	06/05/14	4015.54	85.54	--	--	3930.00
MW-11	07/01/14	4015.54	85.76	--	--	3929.78
MW-11	07/22/14	4015.54	85.90	--	--	3929.64
MW-11	08/05/14	4015.54	85.88	--	--	3929.66
MW-11	09/04/14	4015.54	85.73	--	--	3929.81
MW-11	10/02/14	4015.54	85.77	--	--	3929.77
MW-11	11/06/14	4015.54	86.22	--	--	3929.32
MW-11	12/04/14	4015.54	85.79	--	--	3929.75
MW-11	01/15/15	4015.54	86.07	--	--	3929.47
MW-11	04/21/15	4015.54	85.73	--	--	3929.81
MW-11	05/15/15	4015.54	85.74	--	--	3929.80
MW-11	06/11/15	4015.54	85.80	85.79	0.01	3929.75
MW-11	08/24/15	4015.54	86.21	--	--	3929.33
MW-11	09/02/15	4015.54	86.07	--	--	3929.47
MW-11	10/05/15	4015.54	86.19	--	--	3929.35
MW-11	11/23/15	4015.54	86.07	--	--	3929.47
MW-11	01/20/16	4015.54	85.91	--	--	3929.63
MW-11	02/16/16	4015.54	85.94	--	--	3929.60
MW-11	03/15/16	4015.54	85.86	--	--	3929.68
MW-11	04/20/16	4015.54	85.90	--	--	3929.64
MW-11	05/18/16	4015.54	86.00	--	--	3929.54
MW-11	06/21/16	4015.54	85.94	--	--	3929.60
MW-11	08/08/16	4015.54	85.51	--	--	3930.03
MW-11	08/16/16	4015.54	85.85	--	--	3929.69
MW-11	09/20/16	4015.54	85.75	--	--	3929.79
MW-11	10/18/16	4015.54	85.56	--	--	3929.98
MW-11	12/20/16	4015.54	85.82	--	--	3929.72
MW-11	01/16/17	4015.54	85.32	--	--	3930.22
MW-11	04/19/17	4015.54	85.33	--	--	3930.21
MW-11	05/17/17	4015.54	85.10	--	--	3930.44
MW-11	08/21/17	4015.54	85.23	--	--	3930.31

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-12	12/13/01	4022.71	91.43	--	--	3931.28
MW-12	03/22/02	4022.71	94.38	--	--	3928.33
MW-12	09/16/02	4022.71	94.51	--	--	3928.20
MW-12	09/20/02	4022.71	94.31	--	--	3928.40
MW-12	04/05/04	4022.71	94.59	--	--	3928.12
MW-12	05/17/04	4022.71	94.60	--	--	3928.11
MW-12	05/24/04	4022.71	94.51	--	--	3928.20
MW-12	06/01/04	4022.71	94.53	--	--	3928.18
MW-12	06/07/04	4022.71	94.45	--	--	3928.26
MW-12	06/15/04	4022.71	94.56	--	--	3928.15
MW-12	06/21/04	4022.71	94.57	--	--	3928.14
MW-12	06/28/04	4022.71	94.84	--	--	3927.87
MW-12	07/06/04	4022.71	94.70	--	--	3928.01
MW-12	07/12/04	4022.71	94.80	--	--	3927.91
MW-12	07/19/04	4022.71	94.74	--	--	3927.97
MW-12	07/26/04	4022.71	94.92	--	--	3927.79
MW-12	08/02/04	4022.71	94.77	--	--	3927.94
MW-12	08/10/04	4022.71	94.88	--	--	3927.83
MW-12	08/16/04	4022.71	94.86	--	--	3927.85
MW-12	08/23/04	4022.71	94.60	--	--	3928.11
MW-12	08/30/04	4022.71	94.82	--	--	3927.89
MW-12	09/08/04	4022.71	94.89	--	--	3927.82
MW-12	10/08/04	4022.71	94.83	--	--	3927.88
MW-12	12/30/04	4022.71	94.72	--	--	3927.99
MW-12	01/17/05	4022.71	95.06	--	--	3927.65
MW-12	02/09/05	4022.71	94.94	--	--	3927.77
MW-12	03/09/05	4022.71	94.92	--	--	3927.79
MW-12	04/05/05	4022.71	94.58	--	--	3928.13
MW-12	05/10/05	4022.71	94.61	--	--	3928.10
MW-12	06/08/05	4022.71	94.58	--	--	3928.13
MW-12	07/05/05	4022.71	94.84	--	--	3927.87
MW-12	08/08/05	4022.71	94.78	--	--	3927.93
MW-12	09/14/05	4022.71	94.71	--	--	3928.00
MW-12	10/12/05	4022.71	94.82	--	--	3927.89
MW-12	11/09/05	4022.71	94.92	--	--	3927.79
MW-12	12/14/05	4022.71	94.70	--	--	3928.01
MW-12	01/12/06	4022.71	94.50	--	--	3928.21
MW-12	02/02/06	4022.71	94.58	--	--	3928.13
MW-12	03/07/06	4022.71	94.76	--	--	3927.95
MW-12	04/05/06	4022.71	94.67	--	--	3928.04
MW-12	05/08/06	4022.71	94.61	--	--	3928.10
MW-12	06/05/06	4022.71	94.77	--	--	3927.94

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-12	07/11/06	4022.71	94.84	--	--	3927.87
MW-12	08/16/06	4022.71	94.93	--	--	3927.78
MW-12	09/07/06	4022.71	94.86	--	--	3927.85
MW-12	10/11/06	4022.71	94.86	--	--	3927.85
MW-12	11/08/06	4022.71	94.72	--	--	3927.99
MW-12	12/04/06	4022.71	95.35	--	--	3927.36
MW-12	01/04/07	4022.71	94.68	--	--	3928.03
MW-12	02/27/07	4022.71	94.73	--	--	3927.98
MW-12	03/20/07	4022.71	94.93	--	--	3927.78
MW-12	04/17/07	4022.71	94.73	--	--	3927.98
MW-12	05/07/07	4022.71	94.95	--	--	3927.76
MW-12	06/27/07	4022.71	94.42	--	--	3928.29
MW-12	07/19/07	4022.71	94.71	--	--	3928.00
MW-12	08/21/07	4022.71	94.77	--	--	3927.94
MW-12	09/17/07	4022.71	94.90	--	--	3927.81
MW-12	10/16/07	4022.71	98.83	--	--	3923.88
MW-12	11/20/07	4022.71	99.07	--	--	3923.64
MW-12	12/21/07	4022.53	98.82	--	--	3923.71
MW-12	01/22/08	4022.53	97.14	--	--	3925.39
MW-12	02/27/08	4022.53	97.32	--	--	3925.21
MW-12	03/25/08	4022.53	98.91	--	--	3923.62
MW-12	04/29/08	4022.53	98.87	--	--	3923.66
MW-12	05/05/08	4022.53	98.82	--	--	3923.71
MW-12	06/10/08	4022.53	98.63	--	--	3923.90
MW-12	07/15/08	4022.53	98.65	--	--	3923.88
MW-12	08/19/08	4022.53	98.43	--	--	3924.10
MW-12	09/16/08	4022.53	98.92	--	--	3923.61
MW-12	10/15/08	4022.53	98.84	--	--	3923.69
MW-12	11/12/08	4022.53	98.52	--	--	3924.01
MW-12	12/11/08	4022.53	98.48	--	--	3924.05
MW-12	01/13/09	4022.53	98.86	--	--	3923.67
MW-12	02/11/09	4022.53	98.52	--	--	3924.01
MW-12	03/10/09	4022.53	98.29	--	--	3924.24
MW-12	04/13/09	4022.53	98.44	--	--	3924.09
MW-12	06/08/09	4022.53	98.25	--	--	3924.28
MW-12	07/13/09	4022.53	98.28	--	--	3924.25
MW-12	08/10/09	4022.53	98.27	--	--	3924.26
MW-12	09/15/09	4022.53	98.04	--	--	3924.49
MW-12	10/06/09	4022.53	94.93	--	--	3927.60
MW-12	11/09/09	4022.53	97.97	--	--	3924.56
MW-12	12/23/09	4022.53	97.47	--	--	3925.06
MW-12	01/20/10	4022.53	97.36	--	--	3925.17

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-12	02/09/10	4022.53	97.98	--	--	3924.55
MW-12	03/09/10	4022.53	97.58	--	--	3924.95
MW-12	04/12/10	4022.53	97.85	--	--	3924.68
MW-12	05/24/10	4022.53	97.57	--	--	3924.96
MW-12	06/14/10	4022.53	98.32	--	--	3924.21
MW-12	07/20/10	4022.53	98.23	--	--	3924.30
MW-12	08/11/10	4022.53	98.22	--	--	3924.31
MW-12	09/21/10	4022.53	98.01	--	--	3924.52
MW-12	10/20/10	4022.53	98.13	--	--	3924.40
MW-12	11/08/10	4022.53	97.97	--	--	3924.56
MW-12	12/07/10	4022.53	97.93	--	--	3924.60
MW-12	01/18/11	4022.53	97.81	--	--	3924.72
MW-12	02/08/11	4022.53	96.88	--	--	3925.65
MW-12	03/08/11	4022.53	94.42	--	--	3928.11
MW-12	04/13/11	4022.53	94.36	--	--	3928.17
MW-12	05/23/11	4022.53	94.20	--	--	3928.33
MW-12	06/28/11	4022.53	97.80	--	--	3924.73
MW-12	07/19/11	4022.53	97.74	--	--	3924.79
MW-12	08/31/11	4022.53	97.65	--	--	3924.88
MW-12	09/27/11	4022.53	97.67	--	--	3924.86
MW-12	10/24/11	4022.53	96.44	--	--	3926.09
MW-12	11/29/11	4022.53	98.06	--	--	3924.47
MW-12	12/23/11	4022.53	97.87	--	--	3924.66
MW-12	01/31/12	4022.53	97.73	--	--	3924.80
MW-12	02/29/12	4022.53	97.83	--	--	3924.70
MW-12	03/27/12	4022.53	97.78	--	--	3924.75
MW-12	04/18/12	4022.53	97.80	--	--	3924.73
MW-12	05/21/12	4022.53	98.02	--	--	3924.51
MW-12	07/17/12	4022.53	94.66	--	--	3927.87
MW-12	08/21/12	4022.53	97.65	--	--	3924.88
MW-12	09/17/12	4022.53	97.62	--	--	3924.91
MW-12	12/13/12	4022.53	97.87	--	--	3924.66
MW-12	01/09/13	4022.53	98.05	--	--	3924.48
MW-12	02/06/13	4022.53	94.89	--	--	3927.64
MW-12	03/06/13	4022.53	94.80	--	--	3927.73
MW-12	05/01/13	4022.53	94.36	--	--	3928.17
MW-12	06/05/13	4022.53	97.82	--	--	3924.71
MW-12	07/03/13	4022.53	98.07	--	--	3924.46
MW-12	07/30/13	4022.53	98.16	--	--	3924.37
MW-12	08/15/13	4022.53	98.36	--	--	3924.17
MW-12	10/02/13	4022.53	98.05	--	--	3924.48
MW-12	12/23/13	4022.53	98.45	--	--	3924.08

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-12	01/09/14	4022.53	97.90	--	--	3924.63
MW-12	02/12/14	4022.53	98.05	--	--	3924.48
MW-12	03/19/14	4022.53	98.48	--	--	3924.05
MW-12	04/03/14	4022.53	98.07	--	--	3924.46
MW-12	05/07/14	4022.53	98.09	--	--	3924.44
MW-12	06/05/14	4022.53	98.13	--	--	3924.40
MW-12	07/01/14	4022.53	98.33	--	--	3924.20
MW-12	07/22/14	4022.53	98.45	--	--	3924.08
MW-12	08/05/14	4022.53	98.58	--	--	3923.95
MW-12	09/04/14	4022.53	98.42	--	--	3924.11
MW-12	10/02/14	4022.53	98.43	--	--	3924.10
MW-12	11/06/14	4022.53	98.79	--	--	3923.74
MW-12	12/04/14	4022.53	98.36	--	--	3924.17
MW-12	01/15/15	4022.53	98.49	--	--	3924.04
MW-12	04/21/15	4022.53	NM	NM	NM	NM
MW-12	05/15/15	4022.53	NM	NM	NM	NM
MW-12	06/11/15	4022.53	NM	NM	NM	NM
MW-12	08/24/15	4022.53	NM	NM	NM	NM
MW-12	09/02/15	4022.53	NM	NM	NM	NM
MW-12	10/05/15	4022.53	NM	NM	NM	NM
MW-12	11/23/15	4022.53	NM	NM	NM	NM
MW-12	01/20/16	4022.53	NM	NM	NM	NM
MW-12	02/16/16	4022.53	NM	NM	NM	NM
MW-12	03/15/16	4022.53	NM	NM	NM	NM
MW-12	04/20/16	4022.53	NM	NM	NM	NM
MW-12	05/18/16	4022.53	NM	NM	NM	NM
MW-12	06/21/16	4022.53	NM	NM	NM	NM
MW-12	08/08/16	4022.53	NM	NM	NM	NM
MW-12	08/16/16	4022.53	NM	NM	NM	NM
MW-12	09/20/16	4022.53	NM	NM	NM	NM
MW-12	10/18/16	4022.53	NM	NM	NM	NM
MW-12	12/20/16	4022.53	NM	NM	NM	NM
MW-13	12/13/01	4031.96	103.76	--	--	3928.20
MW-13	03/22/02	4031.96	107.18	--	--	3924.78
MW-13	09/16/02	4031.96	107.58	--	--	3924.38
MW-13	09/20/02	4031.96	107.48	--	--	3924.48
MW-13	04/05/04	4031.96	108.04	--	--	3923.92
MW-13	05/17/04	4031.96	108.06	--	--	3923.90
MW-13	05/24/04	4031.96	107.97	--	--	3923.99
MW-13	06/01/04	4031.96	107.97	--	--	3923.99
MW-13	06/07/04	4031.96	107.89	--	--	3924.07

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-13	06/15/04	4031.96	107.99	--	--	3923.97
MW-13	06/21/04	4031.96	107.98	--	--	3923.98
MW-13	06/28/04	4031.96	108.29	--	--	3923.67
MW-13	07/06/04	4031.96	108.12	--	--	3923.84
MW-13	07/12/04	4031.96	108.22	--	--	3923.74
MW-13	07/19/04	4031.96	108.16	--	--	3923.80
MW-13	07/26/04	4031.96	108.34	--	--	3923.62
MW-13	08/02/04	4031.96	108.17	--	--	3923.79
MW-13	08/10/04	4031.96	108.29	--	--	3923.67
MW-13	08/16/04	4031.96	108.27	--	--	3923.69
MW-13	08/23/04	4031.96	108.01	--	--	3923.95
MW-13	08/30/04	4031.96	108.24	--	--	3923.72
MW-13	09/08/04	4031.96	108.31	--	--	3923.65
MW-13	10/08/04	4031.96	108.23	--	--	3923.73
MW-13	12/30/04	4031.96	108.12	--	--	3923.84
MW-13	01/17/05	4031.96	108.49	--	--	3923.47
MW-13	02/09/05	4031.96	108.38	--	--	3923.58
MW-13	03/09/05	4031.96	108.44	--	--	3923.52
MW-13	04/05/05	4031.96	108.04	--	--	3923.92
MW-13	05/10/05	4031.96	108.09	--	--	3923.87
MW-13	06/08/05	4031.96	108.18	--	--	3923.78
MW-13	07/05/05	4031.96	108.47	--	--	3923.49
MW-13	08/08/05	4031.96	108.37	--	--	3923.59
MW-13	09/14/05	4031.96	108.28	--	--	3923.68
MW-13	10/12/05	4031.96	108.42	--	--	3923.54
MW-13	11/09/05	4031.96	108.51	--	--	3923.45
MW-13	12/14/05	4031.96	108.31	--	--	3923.65
MW-13	01/12/06	4031.96	108.16	--	--	3923.80
MW-13	02/02/06	4031.96	108.17	--	--	3923.79
MW-13	03/07/06	4031.96	108.33	--	--	3923.63
MW-13	04/05/06	4031.96	108.22	--	--	3923.74
MW-13	05/08/06	4031.96	108.18	--	--	3923.78
MW-13	06/05/06	4031.96	108.30	--	--	3923.66
MW-13	07/11/06	4031.96	108.34	--	--	3923.62
MW-13	08/16/06	4031.96	108.43	--	--	3923.53
MW-13	09/07/06	4031.96	108.32	--	--	3923.64
MW-13	10/11/06	4031.96	108.31	--	--	3923.65
MW-13	11/08/06	4031.96	108.18	--	--	3923.78
MW-13	12/04/06	4031.96	108.79	--	--	3923.17
MW-13	01/04/07	4031.96	108.11	--	--	3923.85
MW-13	02/27/07	4031.96	108.16	--	--	3923.80
MW-13	03/20/07	4031.96	108.37	--	--	3923.59

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-13	04/17/07	4031.96	108.13	--	--	3923.83
MW-13	05/07/07	4031.96	108.37	--	--	3923.59
MW-13	06/27/07	4031.96	108.23	--	--	3923.73
MW-13	07/19/07	4031.96	108.13	--	--	3923.83
MW-13	08/21/07	4031.96	108.10	--	--	3923.86
MW-13	09/17/07	4031.96	108.08	--	--	3923.88
MW-13	10/16/07	4031.96	108.03	--	--	3923.93
MW-13	11/20/07	4031.96	108.11	--	--	3923.85
MW-13	12/21/07	4031.96	107.92	--	--	3924.04
MW-13	01/22/08	4031.96	108.42	--	--	3923.54
MW-13	02/27/08	4031.96	108.40	--	--	3923.56
MW-13	03/25/08	4031.96	108.22	--	--	3923.74
MW-13	04/29/08	4031.96	108.22	--	--	3923.74
MW-13	05/05/08	4031.96	108.22	--	--	3923.74
MW-13	06/10/08	4031.96	108.23	--	--	3923.73
MW-13	07/15/08	4031.96	108.23	--	--	3923.73
MW-13	08/19/08	4031.96	108.24	--	--	3923.72
MW-13	09/16/08	4031.96	108.52	--	--	3923.44
MW-13	10/15/08	4031.96	108.44	--	--	3923.52
MW-13	11/12/08	4031.96	108.15	--	--	3923.81
MW-13	12/11/08	4031.96	108.34	--	--	3923.62
MW-13	01/13/09	4031.96	108.55	--	--	3923.41
MW-13	02/11/09	4031.96	108.27	--	--	3923.69
MW-13	03/10/09	4031.96	108.05	--	--	3923.91
MW-13	04/13/09	4031.96	108.20	--	--	3923.76
MW-13	05/01/09	4031.96	108.02	--	--	3923.94
MW-13	06/08/09	4031.96	107.90	--	--	3924.06
MW-13	07/13/09	4031.96	107.97	--	--	3923.99
MW-13	08/10/09	4031.96	107.98	--	--	3923.98
MW-13	09/15/09	4031.96	107.83	--	--	3924.13
MW-13	10/06/09	4031.96	107.73	--	--	3924.23
MW-13	11/09/09	4031.96	107.95	--	--	3924.01
MW-13	12/23/09	4031.96	107.45	--	--	3924.51
MW-13	01/20/10	4031.96	107.40	--	--	3924.56
MW-13	02/09/10	4031.96	108.03	--	--	3923.93
MW-13	03/09/10	4031.96	107.65	--	--	3924.31
MW-13	04/12/10	4031.96	107.94	--	--	3924.02
MW-13	05/24/10	4031.96	107.76	--	--	3924.20
MW-13	06/14/10	4031.96	107.90	--	--	3924.06
MW-13	07/20/10	4031.96	107.98	--	--	3923.98
MW-13	08/11/10	4031.96	108.00	--	--	3923.96
MW-13	09/21/10	4031.96	107.90	--	--	3924.06

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-13	10/20/10	4031.96	108.08	--	--	3923.88
MW-13	11/08/10	4031.96	107.93	--	--	3924.03
MW-13	12/07/10	4031.96	107.99	--	--	3923.97
MW-13	01/18/11	4031.96	108.03	--	--	3923.93
MW-13	02/08/11	4031.96	108.77	--	--	3923.19
MW-13	03/08/11	4031.96	107.82	--	--	3924.14
MW-13	04/13/11	4031.96	108.03	--	--	3923.93
MW-13	05/23/11	4031.96	108.01	--	--	3923.95
MW-13	06/28/11	4031.96	108.28	--	--	3923.68
MW-13	07/19/11	4031.96	108.19	--	--	3923.77
MW-13	08/31/11	4031.96	108.05	--	--	3923.91
MW-13	09/27/11	4031.96	108.09	--	--	3923.87
MW-13	10/24/11	4031.96	108.19	--	--	3923.77
MW-13	11/29/11	4031.96	108.31	--	--	3923.65
MW-13	12/23/11	4031.96	108.13	--	--	3923.83
MW-13	01/31/12	4031.96	108.14	--	--	3923.82
MW-13	02/29/12	4031.96	108.06	--	--	3923.90
MW-13	03/27/12	4031.96	108.05	--	--	3923.91
MW-13	04/18/12	4031.96	108.12	--	--	3923.84
MW-13	05/21/12	4031.96	108.36	--	--	3923.60
MW-13	07/17/12	4031.96	108.18	--	--	3923.78
MW-13	08/21/12	4031.96	108.21	--	--	3923.75
MW-13	09/17/12	4031.96	108.08	--	--	3923.88
MW-13	12/13/12	4031.96	108.40	--	--	3923.56
MW-13	01/09/13	4031.96	108.49	--	--	3923.47
MW-13	02/06/13	4031.96	108.28	--	--	3923.68
MW-13	03/06/13	4031.96	108.55	--	--	3923.41
MW-13	06/05/13	4031.96	108.44	--	--	3923.52
MW-13	07/03/13	4031.96	108.61	--	--	3923.35
MW-13	07/30/13	4031.96	108.65	--	--	3923.31
MW-13	08/15/13	4031.96	108.65	--	--	3923.31
MW-13	10/02/13	4031.96	108.75	--	--	3923.21
MW-13	12/23/13	4031.96	108.83	--	--	3923.13
MW-13	01/09/14	4031.96	118.34	--	--	3913.62
MW-13	02/12/14	4031.96	108.53	--	--	3923.43
MW-13	03/19/14	4031.96	108.50	--	--	3923.46
MW-13	04/03/14	4031.96	108.05	--	--	3923.91
MW-13	05/07/14	4031.96	107.90	--	--	3924.06
MW-13	06/05/14	4031.96	107.92	--	--	3924.04
MW-13	07/01/14	4031.96	108.01	--	--	3923.95
MW-13	07/22/14	4031.96	108.12	--	--	3923.84
MW-13	08/05/14	4031.96	108.06	--	--	3923.90

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-13	09/04/14	4031.96	107.93	--	--	3924.03
MW-13	10/02/14	4031.96	107.93	--	--	3924.03
MW-13	11/06/14	4031.96	108.31	--	--	3923.65
MW-13	12/04/14	4031.96	107.93	--	--	3924.03
MW-13	01/15/15	4031.96	108.20	--	--	3923.76
MW-13	04/21/15	4031.96	107.93	--	--	3924.03
MW-13	05/15/15	4031.96	107.92	--	--	3924.04
MW-13	06/11/15	4031.96	108.03	--	--	3923.93
MW-13	08/24/15	4031.96	108.50	--	--	3923.46
MW-13	09/02/15	4031.96	108.45	--	--	3923.51
MW-13	10/05/15	4031.96	108.65	--	--	3923.31
MW-13	11/23/15	4031.96	108.61	--	--	3923.35
MW-13	01/20/16	4031.96	108.60	--	--	3923.36
MW-13	02/16/16	4031.96	108.65	--	--	3923.31
MW-13	03/15/16	4031.96	108.65	--	--	3923.31
MW-13	04/20/16	4031.96	108.74	--	--	3923.22
MW-13	05/18/16	4031.96	108.92	--	--	3923.04
MW-13	06/21/16	4031.96	108.91	--	--	3923.05
MW-13	08/08/16	4031.96	108.60	--	--	3923.36
MW-13	08/16/16	4031.96	108.92	--	--	3923.04
MW-13	09/20/16	4031.96	108.86	--	--	3923.10
MW-13	10/18/16	4031.96	108.74	--	--	3923.22
MW-13	12/20/16	4031.96	109.02	--	--	3922.94
MW-13	01/16/17	4031.96	108.60	--	--	3923.36
MW-13	04/19/17	4031.96	108.65	--	--	3923.31
MW-13	05/17/17	4031.96	108.49	--	--	3923.47
MW-13	08/21/17	4031.96	108.72	--	--	3923.24
MW-14	12/13/01	4006.98	74.67	--	--	3932.31
MW-14	03/22/02	4006.98	74.67	--	--	3932.31
MW-14	09/16/02	4006.98	74.56	--	--	3932.42
MW-14	09/20/02	4006.98	74.40	--	--	3932.58
MW-14	04/05/04	4006.98	75.20	--	--	3931.78
MW-14	05/17/04	4006.98	75.25	--	--	3931.73
MW-14	05/24/04	4006.98	75.17	--	--	3931.81
MW-14	06/01/04	4006.98	75.18	--	--	3931.80
MW-14	06/07/04	4006.98	75.12	--	--	3931.86
MW-14	06/15/04	4006.98	75.23	--	--	3931.75
MW-14	06/21/04	4006.98	75.24	--	--	3931.74
MW-14	06/28/04	4006.98	75.55	--	--	3931.43
MW-14	07/06/04	4006.98	75.37	--	--	3931.61
MW-14	07/12/04	4006.98	75.49	--	--	3931.49

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-14	07/19/04	4006.98	75.43	--	--	3931.55
MW-14	07/26/04	4006.98	75.64	--	--	3931.34
MW-14	08/02/04	4006.98	75.49	--	--	3931.49
MW-14	08/10/04	4006.98	75.62	--	--	3931.36
MW-14	08/16/04	4006.98	75.59	--	--	3931.39
MW-14	08/23/04	4006.98	75.32	--	--	3931.66
MW-14	08/30/04	4006.98	75.57	--	--	3931.41
MW-14	09/08/04	4006.98	75.65	--	--	3931.33
MW-14	10/08/04	4006.98	75.61	--	--	3931.37
MW-14	12/30/04	4006.98	75.45	--	--	3931.53
MW-14	01/17/05	4006.98	75.74	--	--	3931.24
MW-14	02/09/05	4006.98	75.46	--	--	3931.52
MW-14	03/09/05	4006.98	75.37	--	--	3931.61
MW-14	04/05/05	4006.98	74.84	--	--	3932.14
MW-14	05/10/05	4006.98	74.72	--	--	3932.26
MW-14	06/08/05	4006.98	74.71	--	--	3932.27
MW-14	07/05/05	4006.98	74.93	--	--	3932.05
MW-14	08/08/05	4006.98	74.78	--	--	3932.20
MW-14	09/14/05	4006.98	74.62	--	--	3932.36
MW-14	10/12/05	4006.98	74.69	--	--	3932.29
MW-14	11/09/05	4006.98	74.69	--	--	3932.29
MW-14	12/14/05	4006.98	74.29	--	--	3932.69
MW-14	01/12/06	4006.98	74.01	--	--	3932.97
MW-14	02/02/06	4006.98	73.91	--	--	3933.07
MW-14	03/07/06	4006.98	73.97	--	--	3933.01
MW-14	04/05/06	4006.98	73.80	--	--	3933.18
MW-14	05/08/06	4006.98	73.69	--	--	3933.29
MW-14	06/05/06	4006.98	73.78	--	--	3933.20
MW-14	07/11/06	4006.98	73.83	--	--	3933.15
MW-14	08/16/06	4006.98	73.94	--	--	3933.04
MW-14	09/07/06	4006.98	72.93	--	--	3934.05
MW-14	10/11/06	4006.98	73.95	--	--	3933.03
MW-14	11/08/06	4006.98	73.88	--	--	3933.10
MW-14	12/04/06	4006.98	74.53	--	--	3932.45
MW-14	01/04/07	4006.98	73.79	--	--	3933.19
MW-14	02/27/07	4006.98	73.73	--	--	3933.25
MW-14	03/20/07	4006.98	73.90	--	--	3933.08
MW-14	04/17/07	4006.98	73.68	--	--	3933.30
MW-14	05/07/07	4006.98	73.88	--	--	3933.10
MW-14	07/19/07	4006.98	73.69	--	--	3933.29
MW-14	08/21/07	4006.98	73.61	--	--	3933.37
MW-14	09/17/07	4006.98	73.54	--	--	3933.44

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-14	10/16/07	4006.98	73.39	--	--	3933.59
MW-14	11/20/07	4006.98	73.34	--	--	3933.64
MW-14	12/21/07	4006.98	73.05	--	--	3933.93
MW-14	01/22/08	4006.98	73.44	--	--	3933.54
MW-14	02/27/08	4006.98	73.37	--	--	3933.61
MW-14	03/25/08	4006.98	73.17	--	--	3933.81
MW-14	04/29/08	4006.98	73.16	--	--	3933.82
MW-14	05/05/08	4006.98	73.14	--	--	3933.84
MW-14	06/10/08	4006.98	73.16	--	--	3933.82
MW-14	07/15/08	4006.98	73.25	--	--	3933.73
MW-14	08/19/08	4006.98	73.32	--	--	3933.66
MW-14	09/16/08	4006.98	73.68	--	--	3933.30
MW-14	10/15/08	4006.98	73.67	--	--	3933.31
MW-14	11/12/08	4006.98	73.44	--	--	3933.54
MW-14	12/11/08	4006.98	73.69	--	--	3933.29
MW-14	01/13/09	4006.98	73.89	--	--	3933.09
MW-14	02/11/09	4006.98	73.57	--	--	3933.41
MW-14	03/10/09	4006.98	73.34	--	--	3933.64
MW-14	04/13/09	4006.98	73.43	--	--	3933.55
MW-14	05/01/09	4006.98	73.30	--	--	3933.68
MW-14	06/08/09	4006.98	73.15	--	--	3933.83
MW-14	07/13/09	4006.98	73.29	--	--	3933.69
MW-14	08/10/09	4006.98	73.32	--	--	3933.66
MW-14	09/15/09	4006.98	73.22	--	--	3933.76
MW-14	10/06/09	4006.98	73.15	--	--	3933.83
MW-14	11/09/09	4006.98	73.43	--	--	3933.55
MW-14	12/23/09	4006.98	72.93	--	--	3934.05
MW-14	01/20/10	4006.98	72.88	--	--	3934.10
MW-14	02/09/10	4006.98	73.48	--	--	3933.50
MW-14	03/09/10	4006.98	73.09	--	--	3933.89
MW-14	04/12/10	4006.98	73.40	--	--	3933.58
MW-14	05/24/10	4006.98	73.24	--	--	3933.74
MW-14	06/14/10	4006.98	73.40	--	--	3933.58
MW-14	07/20/10	4006.98	73.53	--	--	3933.45
MW-14	08/11/10	4006.98	73.59	--	--	3933.39
MW-14	09/21/10	4006.98	73.55	--	--	3933.43
MW-14	10/20/10	4006.98	73.74	--	--	3933.24
MW-14	11/08/10	4006.98	73.62	--	--	3933.36
MW-14	12/07/10	4006.98	73.73	--	--	3933.25
MW-14	01/18/11	4006.98	73.73	--	--	3933.25
MW-14	02/08/11	4006.98	73.53	--	--	3933.45
MW-14	03/08/11	4006.98	73.54	--	--	3933.44

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-14	04/13/11	4006.98	73.78	--	--	3933.20
MW-14	05/23/11	4006.98	73.75	--	--	3933.23
MW-14	06/28/11	4006.98	74.04	--	--	3932.94
MW-14	07/19/11	4006.98	73.93	--	--	3933.05
MW-14	08/31/11	4006.98	73.82	--	--	3933.16
MW-14	09/27/11	4006.98	73.92	--	--	3933.06
MW-14	10/24/11	4006.98	74.05	--	--	3932.93
MW-14	11/29/11	4006.98	74.22	--	--	3932.76
MW-14	12/23/11	4006.98	74.09	--	--	3932.89
MW-14	01/31/12	4006.98	74.05	--	--	3932.93
MW-14	02/29/12	4006.98	74.12	--	--	3932.86
MW-14	03/27/12	4006.98	74.05	--	--	3932.93
MW-14	04/18/12	4006.98	74.23	--	--	3932.75
MW-14	05/21/12	4006.98	74.49	--	--	3932.49
MW-14	07/17/12	4006.98	74.41	--	--	3932.57
MW-14	08/21/12	4006.98	74.46	--	--	3932.52
MW-14	09/17/12	4006.98	74.36	--	--	3932.62
MW-14	12/13/12	4006.98	74.16	--	--	3932.82
MW-14	01/09/13	4006.98	74.85	--	--	3932.13
MW-14	02/06/13	4006.98	74.66	--	--	3932.32
MW-14	03/06/13	4006.98	74.97	--	--	3932.01
MW-14	06/05/13	4006.98	74.93	--	--	3932.05
MW-14	07/03/13	4006.98	75.15	--	--	3931.83
MW-14	07/30/13	4006.98	75.14	--	--	3931.84
MW-14	08/15/13	4006.98	75.21	--	--	3931.77
MW-14	10/02/13	4006.98	75.15	--	--	3931.83
MW-14	12/23/13	4006.98	75.59	--	--	3931.39
MW-14	01/09/14	4006.98	75.23	--	--	3931.75
MW-14	02/12/14	4006.98	75.50	--	--	3931.48
MW-14	03/19/14	4006.98	75.63	--	--	3931.35
MW-14	04/03/14	4006.98	75.24	--	--	3931.74
MW-14	05/07/14	4006.98	75.26	--	--	3931.72
MW-14	06/05/14	4006.98	75.37	--	--	3931.61
MW-14	07/01/14	4006.98	75.60	--	--	3931.38
MW-14	07/22/14	4006.98	75.77	--	--	3931.21
MW-14	08/05/14	4006.98	75.77	--	--	3931.21
MW-14	09/04/14	4006.98	75.67	--	--	3931.31
MW-14	10/02/14	4006.98	75.70	--	--	3931.28
MW-14	11/06/14	4006.98	76.15	--	--	3930.83
MW-14	12/04/14	4006.98	75.78	--	--	3931.20
MW-14	01/15/15	4006.98	75.87	--	--	3931.11
MW-14	04/21/15	4006.98	NM	NM	NM	NM

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-14	05/15/15	4006.98	NM	NM	NM	NM
MW-14	06/11/15	4006.98	NM	NM	NM	NM
MW-14	08/24/15	4006.98	NM	NM	NM	NM
MW-14	09/02/15	4006.98	NM	NM	NM	NM
MW-14	10/05/15	4006.98	NM	NM	NM	NM
MW-14	11/23/15	4006.98	NM	NM	NM	NM
MW-14	01/20/16	4006.98	NM	NM	NM	NM
MW-14	02/16/16	4006.98	NM	NM	NM	NM
MW-14	03/15/16	4006.98	NM	NM	NM	NM
MW-14	04/20/16	4006.98	NM	NM	NM	NM
MW-14	05/18/16	4006.98	NM	NM	NM	NM
MW-14	06/21/16	4006.98	NM	NM	NM	NM
MW-14	08/08/16	4006.98	NM	NM	NM	NM
MW-14	08/16/16	4006.98	NM	NM	NM	NM
MW-14	09/20/16	4006.98	NM	NM	NM	NM
MW-14	10/18/16	4006.98	NM	NM	NM	NM
MW-14	12/20/16	4006.98	NM	NM	NM	NM
MW-15	09/20/02	4026.75	118.93	--	--	3907.82
MW-15	04/05/04	4026.75	119.65	--	--	3907.10
MW-15	05/17/04	4026.75	119.56	--	--	3907.19
MW-15	05/24/04	4026.75	119.63	--	--	3907.12
MW-15	06/01/04	4026.75	119.62	--	--	3907.13
MW-15	06/07/04	4026.75	119.63	--	--	3907.12
MW-15	06/15/04	4026.75	119.66	--	--	3907.09
MW-15	06/21/04	4026.75	119.69	--	--	3907.06
MW-15	06/28/04	4026.75	119.78	--	--	3906.97
MW-15	07/06/04	4026.75	119.77	--	--	3906.98
MW-15	07/12/04	4026.75	119.79	--	--	3906.96
MW-15	07/19/04	4026.75	119.80	--	--	3906.95
MW-15	07/26/04	4026.75	119.86	--	--	3906.89
MW-15	08/02/04	4026.75	119.83	--	--	3906.92
MW-15	08/10/04	4026.75	119.87	--	--	3906.88
MW-15	08/16/04	4026.75	119.88	--	--	3906.87
MW-15	08/23/04	4026.75	119.82	--	--	3906.93
MW-15	08/30/04	4026.75	119.88	--	--	3906.87
MW-15	09/08/04	4026.75	119.92	--	--	3906.83
MW-15	10/08/04	4026.75	119.94	--	--	3906.81
MW-15	12/30/04	4026.75	120.03	--	--	3906.72
MW-15	01/17/05	4026.75	120.12	--	--	3906.63
MW-15	02/09/05	4026.75	120.12	--	--	3906.63
MW-15	03/09/05	4026.75	120.14	--	--	3906.61

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-15	04/05/05	4026.75	120.05	--	--	3906.70
MW-15	05/10/05	4026.75	120.11	--	--	3906.64
MW-15	06/08/05	4026.75	120.14	--	--	3906.61
MW-15	07/05/05	4026.75	120.24	--	--	3906.51
MW-15	08/08/05	4026.75	120.33	--	--	3906.42
MW-15	09/14/05	4026.75	120.33	--	--	3906.42
MW-15	10/12/05	4026.75	120.37	--	--	3906.38
MW-15	11/09/05	4026.75	120.42	--	--	3906.33
MW-15	12/14/05	4026.75	120.43	--	--	3906.32
MW-15	01/12/06	4026.75	120.42	--	--	3906.33
MW-15	02/02/06	4026.75	120.43	--	--	3906.32
MW-15	03/07/06	4026.75	120.50	--	--	3906.25
MW-15	04/05/06	4026.75	120.48	--	--	3906.27
MW-15	05/08/06	4026.75	120.45	--	--	3906.30
MW-15	06/05/06	4026.75	120.54	--	--	3906.21
MW-15	07/11/06	4026.75	120.65	--	--	3906.10
MW-15	08/16/06	4026.75	120.68	--	--	3906.07
MW-15	09/07/06	4026.75	120.71	--	--	3906.04
MW-15	10/11/06	4026.75	120.75	--	--	3906.00
MW-15	11/08/06	4026.75	120.76	--	--	3905.99
MW-15	12/04/06	4026.75	120.76	--	--	3905.99
MW-15	01/04/07	4026.75	120.80	--	--	3905.95
MW-15	02/27/07	4026.75	120.83	--	--	3905.92
MW-15	03/20/07	4026.75	120.90	--	--	3905.85
MW-15	04/17/07	4026.75	120.86	--	--	3905.89
MW-15	05/07/07	4026.75	120.88	--	--	3905.87
MW-15	06/27/07	4026.75	120.81	--	--	3905.94
MW-15	07/19/07	4026.75	120.88	--	--	3905.87
MW-15	08/21/07	4026.75	120.88	--	--	3905.87
MW-15	09/17/07	4026.75	120.93	--	--	3905.82
MW-15	10/16/07	4026.75	120.95	--	--	3905.80
MW-15	11/20/07	4026.75	121.06	--	--	3905.69
MW-15	12/21/07	4026.75	121.08	--	--	3905.67
MW-15	01/22/08	4026.75	121.18	--	--	3905.57
MW-15	02/27/08	4026.75	121.40	--	--	3905.35
MW-15	03/25/08	4026.75	121.22	--	--	3905.53
MW-15	04/29/08	4026.75	121.21	--	--	3905.54
MW-15	05/05/08	4026.75	121.20	--	--	3905.55
MW-15	06/10/08	4026.75	121.24	--	--	3905.51
MW-15	07/15/08	4026.75	121.31	--	--	3905.44
MW-15	08/19/08	4026.75	121.40	--	--	3905.35
MW-15	09/16/08	4026.75	121.54	--	--	3905.21

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-15	10/15/08	4026.75	121.43	--	--	3905.32
MW-15	11/12/08	4026.75	121.40	--	--	3905.35
MW-15	12/11/08	4026.75	121.47	--	--	3905.28
MW-15	01/13/09	4026.75	121.28	--	--	3905.47
MW-15	02/11/09	4026.75	121.49	--	--	3905.26
MW-15	03/10/09	4026.75	121.36	--	--	3905.39
MW-15	04/13/09	4026.75	121.39	--	--	3905.36
MW-15	05/01/09	4026.75	121.34	--	--	3905.41
MW-15	06/08/09	4026.75	121.16	--	--	3905.59
MW-15	07/13/09	4026.75	121.60	--	--	3905.15
MW-15	08/10/09	4026.75	121.16	--	--	3905.59
MW-15	09/15/09	4026.75	121.11	--	--	3905.64
MW-15	10/06/09	4026.75	121.03	--	--	3905.72
MW-15	11/09/09	4026.75	121.24	--	--	3905.51
MW-15	12/23/09	4026.75	120.88	--	--	3905.87
MW-15	01/20/10	4026.75	120.82	--	--	3905.93
MW-15	02/09/10	4026.75	121.30	--	--	3905.45
MW-15	03/09/10	4026.75	120.97	--	--	3905.78
MW-15	04/12/10	4026.75	121.24	--	--	3905.51
MW-15	05/24/10	4026.75	121.03	--	--	3905.72
MW-15	06/14/10	4026.75	121.16	--	--	3905.59
MW-15	07/20/10	4026.75	121.24	--	--	3905.51
MW-15	08/11/10	4026.75	121.02	--	--	3905.73
MW-15	09/21/10	4026.75	121.09	--	--	3905.66
MW-15	10/20/10	4026.75	121.25	--	--	3905.50
MW-15	11/08/10	4026.75	121.14	--	--	3905.61
MW-15	12/07/10	4026.75	121.16	--	--	3905.59
MW-15	01/18/11	4026.75	121.14	--	--	3905.61
MW-15	02/08/11	4026.75	120.98	--	--	3905.77
MW-15	03/08/11	4026.75	120.90	--	--	3905.85
MW-15	04/13/11	4026.75	121.15	--	--	3905.60
MW-15	05/23/11	4026.75	121.09	--	--	3905.66
MW-15	06/28/11	4026.75	121.37	--	--	3905.38
MW-15	07/19/11	4026.75	121.29	--	--	3905.46
MW-15	08/31/11	4026.75	121.14	--	--	3905.61
MW-15	09/27/11	4026.75	121.16	--	--	3905.59
MW-15	10/24/11	4026.75	121.28	--	--	3905.47
MW-15	11/29/11	4026.75	121.31	--	--	3905.44
MW-15	12/23/11	4026.75	121.23	--	--	3905.52
MW-15	01/31/12	4026.75	121.14	--	--	3905.61
MW-15	02/29/12	4026.75	121.16	--	--	3905.59
MW-15	03/27/12	4026.75	121.09	--	--	3905.66

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-15	04/18/12	4026.75	121.14	--	--	3905.61
MW-15	05/21/12	4026.75	121.26	--	--	3905.49
MW-15	07/17/12	4026.75	121.21	--	--	3905.54
MW-15	08/21/12	4026.75	121.17	--	--	3905.58
MW-15	09/17/12	4026.75	121.06	--	--	3905.69
MW-15	12/13/12	4026.75	121.30	--	--	3905.45
MW-15	01/09/13	4026.75	121.39	--	--	3905.36
MW-15	02/06/13	4026.75	121.15	--	--	3905.60
MW-15	03/06/13	4026.75	121.38	--	--	3905.37
MW-15	06/05/13	4026.75	121.20	--	--	3905.55
MW-15	07/03/13	4026.75	121.36	--	--	3905.39
MW-15	07/30/13	4026.75	121.43	--	--	3905.32
MW-15	08/15/13	4026.75	121.43	--	--	3905.32
MW-15	10/02/13	4026.75	121.53	--	--	3905.22
MW-15	12/23/13	4026.75	121.67	--	--	3905.08
MW-15	01/09/14	4026.75	121.29	--	--	3905.46
MW-15	02/12/14	4026.75	121.51	--	--	3905.24
MW-15	03/19/14	4026.75	121.60	--	--	3905.15
MW-15	04/03/14	4026.75	121.20	--	--	3905.55
MW-15	05/07/14	4026.75	121.17	--	--	3905.58
MW-15	06/05/14	4026.75	121.24	--	--	3905.51
MW-15	07/01/14	4026.75	121.44	--	--	3905.31
MW-15	07/22/14	4026.75	121.60	--	--	3905.15
MW-15	08/05/14	4026.75	121.60	--	--	3905.15
MW-15	09/04/14	4026.75	121.45	--	--	3905.30
MW-15	10/02/14	4026.75	121.47	--	--	3905.28
MW-15	11/06/14	4026.75	121.88	--	--	3904.87
MW-15	12/04/14	4026.75	121.49	--	--	3905.26
MW-15	01/15/15	4026.75	121.76	--	--	3904.99
MW-15	04/21/15	4026.75	121.36	--	--	3905.39
MW-15	05/15/15	4026.75	121.35	--	--	3905.40
MW-15	06/11/15	4026.75	121.38	--	--	3905.37
MW-15	08/24/15	4026.75	121.70	--	--	3905.05
MW-15	09/02/15	4026.75	121.64	--	--	3905.11
MW-15	10/05/15	4026.75	121.82	--	--	3904.93
MW-15	11/23/15	4026.75	121.74	--	--	3905.01
MW-15	01/20/16	4026.75	121.67	--	--	3905.08
MW-15	02/16/16	4026.75	121.67	--	--	3905.08
MW-15	03/15/16	4026.75	121.62	--	--	3905.13
MW-15	04/20/16	4026.75	121.72	--	--	3905.03
MW-15	05/18/16	4026.75	121.85	--	--	3904.90
MW-15	06/21/16	4026.75	121.91	--	--	3904.84

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-15	08/08/16	4026.75	121.55	--	--	3905.20
MW-15	08/16/16	4026.75	121.86	--	--	3904.89
MW-15	09/20/16	4026.75	121.86	--	--	3904.89
MW-15	10/18/16	4026.75	121.68	--	--	3905.07
MW-15	12/20/16	4026.75	127.08	--	--	3899.67
MW-15	01/16/17	4026.75	121.58	--	--	3905.17
MW-15	04/19/17	4026.75	121.74	--	--	3905.01
MW-15	05/17/17	4026.75	121.59	--	--	3905.16
MW-15	08/21/17	4026.75	121.98	--	--	3904.77
MW-16	09/20/02	4017.74	113.50	--	--	3904.24
MW-16	04/05/04	4017.74	113.88	--	--	3903.86
MW-16	05/17/04	4017.74	113.92	--	--	3903.82
MW-16	05/24/04	4017.74	113.83	--	--	3903.91
MW-16	06/01/04	4017.74	113.89	--	--	3903.85
MW-16	06/07/04	4017.74	113.80	--	--	3903.94
MW-16	06/15/04	4017.74	113.88	--	--	3903.86
MW-16	06/21/04	4017.74	113.90	--	--	3903.84
MW-16	06/28/04	4017.74	114.18	--	--	3903.56
MW-16	07/06/04	4017.74	114.01	--	--	3903.73
MW-16	07/12/04	4017.74	114.13	--	--	3903.61
MW-16	07/19/04	4017.74	114.06	--	--	3903.68
MW-16	07/26/04	4017.74	114.22	--	--	3903.52
MW-16	08/02/04	4017.74	114.07	--	--	3903.67
MW-16	08/10/04	4017.74	114.21	--	--	3903.53
MW-16	08/16/04	4017.74	114.08	--	--	3903.66
MW-16	08/23/04	4017.74	113.97	--	--	3903.77
MW-16	08/30/04	4017.74	114.13	--	--	3903.61
MW-16	09/08/04	4017.74	114.21	--	--	3903.53
MW-16	10/08/04	4017.74	114.15	--	--	3903.59
MW-16	12/30/04	4017.74	114.03	--	--	3903.71
MW-16	01/17/05	4017.74	114.39	--	--	3903.35
MW-16	02/09/05	4017.74	114.26	--	--	3903.48
MW-16	03/09/05	4017.74	114.29	--	--	3903.45
MW-16	04/05/05	4017.74	113.94	--	--	3903.80
MW-16	05/10/05	4017.74	114.01	--	--	3903.73
MW-16	06/08/05	4017.74	114.10	--	--	3903.64
MW-16	07/05/05	4017.74	114.40	--	--	3903.34
MW-16	08/08/05	4017.74	114.33	--	--	3903.41
MW-16	09/14/05	4017.74	114.24	--	--	3903.50
MW-16	10/12/05	4017.74	114.38	--	--	3903.36
MW-16	11/09/05	4017.74	114.48	--	--	3903.26

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-16	12/14/05	4017.74	114.27	--	--	3903.47
MW-16	01/12/06	4017.74	114.17	--	--	3903.57
MW-16	02/02/06	4017.74	114.17	--	--	3903.57
MW-16	03/07/06	4017.74	114.36	--	--	3903.38
MW-16	04/05/06	4017.74	114.28	--	--	3903.46
MW-16	05/08/06	4017.74	114.25	--	--	3903.49
MW-16	06/05/06	4017.74	114.38	--	--	3903.36
MW-16	07/11/06	4017.74	114.47	--	--	3903.27
MW-16	08/16/06	4017.74	114.58	--	--	3903.16
MW-16	09/07/06	4017.74	114.49	--	--	3903.25
MW-16	10/11/06	4017.74	114.51	--	--	3903.23
MW-16	11/08/06	4017.74	114.40	--	--	3903.34
MW-16	12/04/06	4017.74	115.00	--	--	3902.74
MW-16	01/04/07	4017.74	114.38	--	--	3903.36
MW-16	02/27/07	4017.74	114.41	--	--	3903.33
MW-16	03/20/07	4017.74	114.67	--	--	3903.07
MW-16	04/17/07	4017.74	114.47	--	--	3903.27
MW-16	05/07/07	4017.74	114.71	--	--	3903.03
MW-16	06/27/07	4017.74	114.65	--	--	3903.09
MW-16	07/19/07	4017.74	114.58	--	--	3903.16
MW-16	08/21/07	4017.74	114.56	--	--	3903.18
MW-16	09/17/07	4017.74	114.57	--	--	3903.17
MW-16	10/16/07	4017.74	114.51	--	--	3903.23
MW-16	11/20/07	4017.74	114.63	--	--	3903.11
MW-16	12/21/07	4017.74	114.46	--	--	3903.28
MW-16	01/22/08	4017.74	114.95	--	--	3902.79
MW-16	02/27/08	4017.74	114.99	--	--	3902.75
MW-16	03/25/08	4017.74	114.84	--	--	3902.90
MW-16	04/29/08	4017.74	114.87	--	--	3902.87
MW-16	05/05/08	4017.74	114.84	--	--	3902.90
MW-16	06/10/08	4017.74	114.86	--	--	3902.88
MW-16	07/15/08	4017.74	114.92	--	--	3902.82
MW-16	08/19/08	4017.74	114.94	--	--	3902.80
MW-16	09/16/08	4017.74	115.19	--	--	3902.55
MW-16	10/15/08	4017.74	115.15	--	--	3902.59
MW-16	11/12/08	4017.74	115.20	--	--	3902.54
MW-16	12/11/08	4017.74	115.06	--	--	3902.68
MW-16	01/13/09	4017.74	115.28	--	--	3902.46
MW-16	02/11/09	4017.74	114.99	--	--	3902.75
MW-16	03/10/09	4017.74	114.78	--	--	3902.96
MW-16	04/13/09	4017.74	114.90	--	--	3902.84
MW-16	05/01/09	4017.74	114.80	--	--	3902.94

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-16	06/08/09	4017.74	114.70	--	--	3903.04
MW-16	07/13/09	4017.74	114.82	--	--	3902.92
MW-16	08/10/09	4017.74	114.83	--	--	3902.91
MW-16	09/15/09	4017.74	114.65	--	--	3903.09
MW-16	10/06/09	4017.74	114.55	--	--	3903.19
MW-16	11/09/09	4017.74	114.78	--	--	3902.96
MW-16	12/23/09	4017.74	114.25	--	--	3903.49
MW-16	01/20/10	4017.74	114.20	--	--	3903.54
MW-16	02/09/10	4017.74	114.78	--	--	3902.96
MW-16	03/09/10	4017.74	114.36	--	--	3903.38
MW-16	04/12/10	4017.74	114.65	--	--	3903.09
MW-16	05/24/10	4017.74	114.43	--	--	3903.31
MW-16	06/14/10	4017.74	114.56	--	--	3903.18
MW-16	07/20/10	4017.74	114.63	--	--	3903.11
MW-16	08/11/10	4017.74	114.64	--	--	3903.10
MW-16	09/21/10	4017.74	114.50	--	--	3903.24
MW-16	10/20/10	4017.74	114.65	--	--	3903.09
MW-16	11/08/10	4017.74	114.51	--	--	3903.23
MW-16	12/07/10	4017.74	114.55	--	--	3903.19
MW-16	01/18/11	4017.74	114.53	--	--	3903.21
MW-16	02/08/11	4017.74	114.29	--	--	3903.45
MW-16	03/08/11	4017.74	114.30	--	--	3903.44
MW-16	04/13/11	4017.74	114.50	--	--	3903.24
MW-16	05/23/11	4017.74	114.45	--	--	3903.29
MW-16	06/28/11	4017.74	114.75	--	--	3902.99
MW-16	07/19/11	4017.74	114.60	--	--	3903.14
MW-16	08/31/11	4017.74	114.49	--	--	3903.25
MW-16	09/27/11	4017.74	114.51	--	--	3903.23
MW-16	10/24/11	4017.74	114.62	--	--	3903.12
MW-16	11/29/11	4017.74	114.74	--	--	3903.00
MW-16	12/23/11	4017.74	114.56	--	--	3903.18
MW-16	01/31/12	4017.74	114.45	--	--	3903.29
MW-16	02/29/12	4017.74	114.49	--	--	3903.25
MW-16	03/27/12	4017.74	114.43	--	--	3903.31
MW-16	04/18/12	4017.74	114.48	--	--	3903.26
MW-16	05/21/12	4017.74	114.70	--	--	3903.04
MW-16	07/17/12	4017.74	114.49	--	--	3903.25
MW-16	08/21/12	4017.74	114.47	--	--	3903.27
MW-16	09/17/12	4017.74	114.34	--	--	3903.40
MW-16	12/13/12	4017.74	114.61	--	--	3903.13
MW-16	01/09/13	4017.74	114.69	--	--	3903.05
MW-16	02/06/13	4017.74	114.43	--	--	3903.31

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-16	03/06/13	4017.74	114.73	--	--	3903.01
MW-16	06/05/13	4017.74	114.52	--	--	3903.22
MW-16	07/03/13	4017.74	114.70	--	--	3903.04
MW-16	07/30/13	4017.74	114.75	--	--	3902.99
MW-16	08/15/13	4017.74	114.75	--	--	3902.99
MW-16	10/02/13	4017.74	114.11	--	--	3903.63
MW-16	12/23/13	4017.74	114.97	--	--	3902.77
MW-16	01/09/14	4017.74	114.56	--	--	3903.18
MW-16	02/12/14	4017.74	114.80	--	--	3902.94
MW-16	03/19/14	4017.74	114.90	--	--	3902.84
MW-16	04/03/14	4017.74	114.46	--	--	3903.28
MW-16	05/07/14	4017.74	114.47	--	--	3903.27
MW-16	06/05/14	4017.74	114.57	--	--	3903.17
MW-16	07/01/14	4017.74	114.75	--	--	3902.99
MW-16	07/22/14	4017.74	114.90	--	--	3902.84
MW-16	08/05/14	4017.74	114.90	--	--	3902.84
MW-16	09/04/14	4017.74	114.75	--	--	3902.99
MW-16	10/02/14	4017.74	114.77	--	--	3902.97
MW-16	11/06/14	4017.74	115.17	--	--	3902.57
MW-16	12/04/14	4017.74	114.75	--	--	3902.99
MW-16	01/15/15	4017.74	115.03	--	--	3902.71
MW-16	04/21/15	4017.74	114.58	--	--	3903.16
MW-16	05/15/15	4017.74	114.57	--	--	3903.17
MW-16	06/11/15	4017.74	114.64	--	--	3903.10
MW-16	08/24/15	4017.74	115.01	--	--	3902.73
MW-16	09/02/15	4017.74	114.92	--	--	3902.82
MW-16	10/05/15	4017.74	115.06	--	--	3902.68
MW-16	11/23/15	4017.74	114.98	--	--	3902.76
MW-16	01/20/16	4017.74	114.91	--	--	3902.83
MW-16	02/16/16	4017.74	114.90	--	--	3902.84
MW-16	03/15/16	4017.74	114.81	--	--	3902.93
MW-16	04/20/16	4017.74	114.90	--	--	3902.84
MW-16	05/18/16	4017.74	115.05	--	--	3902.69
MW-16	06/21/16	4017.74	115.08	--	--	3902.66
MW-16	08/08/16	4017.74	114.76	--	--	3902.98
MW-16	08/16/16	4017.74	115.01	--	--	3902.73
MW-16	09/20/16	4017.74	114.99	--	--	3902.75
MW-16	10/18/16	4017.74	114.81	--	--	3902.93
MW-16	12/20/16	4017.74	115.12	--	--	3902.62
MW-16	01/16/17	4017.74	114.65	--	--	3903.09
MW-16	04/19/17	4017.74	114.73	--	--	3903.01

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-16	05/17/17	4017.74	114.55	--	--	3903.19
MW-16	08/21/17	4017.74	114.88	--	--	3902.86
MW-17	09/20/02	3998.58	97.36	--	--	3901.22
MW-17	04/05/04	3998.58	97.28	--	--	3901.30
MW-17	05/17/04	3998.58	97.37	--	--	3901.21
MW-17	05/24/04	3998.58	97.35	--	--	3901.23
MW-17	06/01/04	3998.58	97.33	--	--	3901.25
MW-17	06/07/04	3998.58	97.41	--	--	3901.17
MW-17	06/15/04	3998.58	97.39	--	--	3901.19
MW-17	06/21/04	3998.58	97.41	--	--	3901.17
MW-17	06/28/04	3998.58	97.51	--	--	3901.07
MW-17	07/06/04	3998.58	97.45	--	--	3901.13
MW-17	07/12/04	3998.58	97.53	--	--	3901.05
MW-17	07/19/04	3998.58	97.49	--	--	3901.09
MW-17	07/26/04	3998.58	97.55	--	--	3901.03
MW-17	08/02/04	3998.58	97.51	--	--	3901.07
MW-17	08/10/04	3998.58	97.55	--	--	3901.03
MW-17	08/16/04	3998.58	97.56	--	--	3901.02
MW-17	08/23/04	3998.58	97.49	--	--	3901.09
MW-17	08/30/04	3998.58	97.53	--	--	3901.05
MW-17	09/08/04	3998.58	97.56	--	--	3901.02
MW-17	10/08/04	3998.58	97.58	--	--	3901.00
MW-17	12/30/04	3998.58	97.61	--	--	3900.97
MW-17	01/17/05	3998.58	97.72	--	--	3900.86
MW-17	02/09/05	3998.58	97.63	--	--	3900.95
MW-17	03/09/05	3998.58	97.68	--	--	3900.90
MW-17	04/05/05	3998.58	97.32	--	--	3901.26
MW-17	05/10/05	3998.58	97.41	--	--	3901.17
MW-17	06/08/05	3998.58	97.59	--	--	3900.99
MW-17	07/05/05	3998.58	97.68	--	--	3900.90
MW-17	08/08/05	3998.58	97.70	--	--	3900.88
MW-17	09/14/05	3998.58	96.62	--	--	3901.96
MW-17	10/12/05	3998.58	97.76	--	--	3900.82
MW-17	11/09/05	3998.58	97.79	--	--	3900.79
MW-17	12/14/05	3998.58	97.66	--	--	3900.92
MW-17	01/12/06	3998.58	97.77	--	--	3900.81
MW-17	02/02/06	3998.58	97.50	--	--	3901.08
MW-17	03/07/06	3998.58	97.79	--	--	3900.79
MW-17	04/05/06	3998.58	97.53	--	--	3901.05
MW-17	05/08/06	3998.58	97.59	--	--	3900.99
MW-17	06/05/06	3998.58	97.74	--	--	3900.84

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-17	07/11/06	3998.58	97.83	--	--	3900.75
MW-17	08/16/06	3998.58	98.87	--	--	3899.71
MW-17	09/07/06	3998.58	97.88	--	--	3900.70
MW-17	10/11/06	3998.58	97.83	--	--	3900.75
MW-17	11/08/06	3998.58	97.95	--	--	3900.63
MW-17	12/04/06	3998.58	98.25	--	--	3900.33
MW-17	01/04/07	3998.58	97.77	--	--	3900.81
MW-17	02/27/07	3998.58	97.76	--	--	3900.82
MW-17	03/20/07	3998.58	97.94	--	--	3900.64
MW-17	04/17/07	3998.58	97.85	--	--	3900.73
MW-17	05/07/07	3998.58	97.98	--	--	3900.60
MW-17	06/27/07	3998.58	97.86	--	--	3900.72
MW-17	07/19/07	3998.58	97.88	--	--	3900.70
MW-17	08/21/07	3998.58	97.81	--	--	3900.77
MW-17	09/17/07	3998.58	97.90	--	--	3900.68
MW-17	10/16/07	3998.58	97.91	--	--	3900.67
MW-17	11/20/07	3998.58	97.94	--	--	3900.64
MW-17	12/21/07	3998.58	98.05	--	--	3900.53
MW-17	01/22/08	3998.58	98.08	--	--	3900.50
MW-17	02/27/08	3998.58	98.11	--	--	3900.47
MW-17	03/25/08	3998.58	98.18	--	--	3900.40
MW-17	04/29/08	3998.58	98.15	--	--	3900.43
MW-17	05/05/08	3998.58	98.11	--	--	3900.47
MW-17	06/10/08	3998.58	98.84	--	--	3899.74
MW-17	07/15/08	3998.58	98.09	--	--	3900.49
MW-17	08/19/08	3998.58	98.14	--	--	3900.44
MW-17	09/16/08	3998.58	98.21	--	--	3900.37
MW-17	10/15/08	3998.58	98.25	--	--	3900.33
MW-17	11/12/08	3998.58	98.11	--	--	3900.47
MW-17	12/11/08	3998.58	98.19	--	--	3900.39
MW-17	01/13/09	3998.58	98.27	--	--	3900.31
MW-17	02/11/09	3998.58	98.10	--	--	3900.48
MW-17	03/10/09	3998.58	97.88	--	--	3900.70
MW-17	04/13/09	3998.58	97.96	--	--	3900.62
MW-17	05/01/09	3998.58	97.92	--	--	3900.66
MW-17	06/08/09	3998.58	97.82	--	--	3900.76
MW-17	07/13/09	3998.58	97.91	--	--	3900.67
MW-17	08/10/09	3998.58	97.98	--	--	3900.60
MW-17	09/15/09	3998.58	97.71	--	--	3900.87
MW-17	10/06/09	3998.58	97.57	--	--	3901.01
MW-17	11/09/09	3998.58	97.65	--	--	3900.93
MW-17	12/23/09	3998.58	97.45	--	--	3901.13

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-17	01/20/10	3998.58	97.44	--	--	3901.14
MW-17	02/09/10	3998.58	97.66	--	--	3900.92
MW-17	03/09/10	3998.58	97.42	--	--	3901.16
MW-17	04/12/10	3998.58	97.64	--	--	3900.94
MW-17	05/24/10	3998.58	97.41	--	--	3901.17
MW-17	06/14/10	3998.58	97.55	--	--	3901.03
MW-17	07/20/10	3998.58	97.59	--	--	3900.99
MW-17	08/11/10	3998.58	97.59	--	--	3900.99
MW-17	09/21/10	3998.58	97.51	--	--	3901.07
MW-17	10/20/10	3998.58	97.57	--	--	3901.01
MW-17	11/08/10	3998.58	97.51	--	--	3901.07
MW-17	12/07/10	3998.58	97.58	--	--	3901.00
MW-17	01/18/11	3998.58	97.39	--	--	3901.19
MW-17	02/08/11	3998.58	97.38	--	--	3901.20
MW-17	03/08/11	3998.58	97.24	--	--	3901.34
MW-17	04/13/11	3998.58	97.48	--	--	3901.10
MW-17	05/23/11	3998.58	97.37	--	--	3901.21
MW-17	06/28/11	3998.58	97.61	--	--	3900.97
MW-17	07/19/11	3998.58	97.56	--	--	3901.02
MW-17	08/31/11	3998.58	97.38	--	--	3901.20
MW-17	09/27/11	3998.58	97.42	--	--	3901.16
MW-17	10/24/11	3998.58	97.57	--	--	3901.01
MW-17	11/29/11	3998.58	97.57	--	--	3901.01
MW-17	12/23/11	3998.58	97.43	--	--	3901.15
MW-17	01/31/12	3998.58	97.41	--	--	3901.17
MW-17	02/29/12	3998.58	97.47	--	--	3901.11
MW-17	03/27/12	3998.58	97.39	--	--	3901.19
MW-17	04/18/12	3998.58	97.50	--	--	3901.08
MW-17	05/21/12	3998.58	97.63	--	--	3900.95
MW-17	07/17/12	3998.58	97.50	--	--	3901.08
MW-17	08/21/12	3998.58	97.44	--	--	3901.14
MW-17	09/17/12	3998.58	97.35	--	--	3901.23
MW-17	12/13/12	3998.58	97.55	--	--	3901.03
MW-17	01/09/13	3998.58	97.64	--	--	3900.94
MW-17	02/06/13	3998.58	97.45	--	--	3901.13
MW-17	03/06/13	3998.58	97.78	--	--	3900.80
MW-17	06/05/13	3998.58	97.51	--	--	3901.07
MW-17	07/03/13	3998.58	97.73	--	--	3900.85
MW-17	07/30/13	3998.58	97.68	--	--	3900.90
MW-17	08/15/13	3998.58	97.77	--	--	3900.81
MW-17	10/02/13	3998.58	97.63	--	--	3900.95
MW-17	12/23/13	3998.58	97.91	--	--	3900.67

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-17	01/09/14	3998.58	97.69	--	--	3900.89
MW-17	02/12/14	3998.58	97.78	--	--	3900.80
MW-17	03/19/14	3998.58	97.76	--	--	3900.82
MW-17	04/03/14	3998.58	97.54	--	--	3901.04
MW-17	05/07/14	3998.58	97.59	--	--	3900.99
MW-17	06/05/14	3998.58	97.65	--	--	3900.93
MW-17	07/01/14	3998.58	97.73	--	--	3900.85
MW-17	07/22/14	3998.58	97.88	--	--	3900.70
MW-17	08/05/14	3998.58	97.88	--	--	3900.70
MW-17	09/04/14	3998.58	97.80	--	--	3900.78
MW-17	10/02/14	3998.58	97.72	--	--	3900.86
MW-17	11/06/14	3998.58	98.09	--	--	3900.49
MW-17	12/04/14	3998.58	97.84	--	--	3900.74
MW-17	01/15/15	3998.58	98.00	--	--	3900.58
MW-17	04/21/15	3998.58	97.75	--	--	3900.83
MW-17	05/15/15	3998.58	97.75	--	--	3900.83
MW-17	06/11/15	3998.58	97.77	--	--	3900.81
MW-17	08/24/15	3998.58	97.98	--	--	3900.60
MW-17	09/02/15	3998.58	97.85	--	--	3900.73
MW-17	10/05/15	3998.58	98.04	--	--	3900.54
MW-17	11/23/15	3998.58	97.92	--	--	3900.66
MW-17	01/20/16	3998.58	97.87	--	--	3900.71
MW-17	02/16/16	3998.58	97.93	--	--	3900.65
MW-17	03/15/16	3998.58	97.62	--	--	3900.96
MW-17	04/20/16	3998.58	97.75	--	--	3900.83
MW-17	05/18/16	3998.58	97.77	--	--	3900.81
MW-17	06/21/16	3998.58	97.81	--	--	3900.77
MW-17	08/08/16	3998.58	97.44	--	--	3901.14
MW-17	08/16/16	3998.58	97.68	--	--	3900.90
MW-17	09/20/16	3998.58	97.66	--	--	3900.92
MW-17	10/18/16	3998.58	97.39	--	--	3901.19
MW-17	12/20/16	3998.58	97.97	--	--	3900.61
MW-17	01/16/17	3998.58	97.30	--	--	3901.28
MW-17	04/19/17	3998.58	97.34	--	--	3901.24
MW-17	05/17/17	3998.58	97.17	--	--	3901.41
MW-17	08/21/17	3998.58	97.40	--	--	3901.18

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-18	09/20/02	3980.46	86.62	--	--	3893.84
MW-18	04/05/04	3980.46	86.61	--	--	3893.85
MW-18	05/17/04	3980.46	86.63	--	--	3893.83
MW-18	05/24/04	3980.46	86.58	--	--	3893.88
MW-18	06/01/04	3980.46	86.57	--	--	3893.89
MW-18	06/07/04	3980.46	86.50	--	--	3893.96
MW-18	06/15/04	3980.46	86.59	--	--	3893.87
MW-18	06/21/04	3980.46	86.60	--	--	3893.86
MW-18	06/28/04	3980.46	86.79	--	--	3893.67
MW-18	07/06/04	3980.46	86.74	--	--	3893.72
MW-18	07/12/04	3980.46	86.77	--	--	3893.69
MW-18	07/19/04	3980.46	86.76	--	--	3893.70
MW-18	07/26/04	3980.46	86.91	--	--	3893.55
MW-18	08/02/04	3980.46	86.81	--	--	3893.65
MW-18	08/10/04	3980.46	86.93	--	--	3893.53
MW-18	08/16/04	3980.46	86.90	--	--	3893.56
MW-18	08/23/04	3980.46	86.63	--	--	3893.83
MW-18	08/30/04	3980.46	86.86	--	--	3893.60
MW-18	09/08/04	3980.46	86.92	--	--	3893.54
MW-18	10/08/04	3980.46	86.87	--	--	3893.59
MW-18	12/30/04	3980.46	86.74	--	--	3893.72
MW-18	01/17/05	3980.46	87.09	--	--	3893.37
MW-18	02/09/05	3980.46	86.97	--	--	3893.49
MW-18	03/09/05	3980.46	86.98	--	--	3893.48
MW-18	04/05/05	3980.46	86.64	--	--	3893.82
MW-18	05/10/05	3980.46	86.68	--	--	3893.78
MW-18	06/08/05	3980.46	86.75	--	--	3893.71
MW-18	07/05/05	3980.46	87.03	--	--	3893.43
MW-18	08/08/05	3980.46	86.97	--	--	3893.49
MW-18	09/14/05	3980.46	86.89	--	--	3893.57
MW-18	10/12/05	3980.46	87.03	--	--	3893.43
MW-18	11/09/05	3980.46	87.13	--	--	3893.33
MW-18	12/14/05	3980.46	86.93	--	--	3893.53
MW-18	01/12/06	3980.46	86.79	--	--	3893.67
MW-18	02/02/06	3980.46	86.80	--	--	3893.66
MW-18	03/07/06	3980.46	86.98	--	--	3893.48
MW-18	04/05/06	3980.46	86.91	--	--	3893.55
MW-18	05/08/06	3980.46	86.86	--	--	3893.60
MW-18	06/05/06	3980.46	87.00	--	--	3893.46
MW-18	07/11/06	3980.46	87.08	--	--	3893.38
MW-18	08/16/06	3980.46	87.19	--	--	3893.27
MW-18	09/07/06	3980.46	87.13	--	--	3893.33

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-18	10/11/06	3980.46	87.14	--	--	3893.32
MW-18	11/08/06	3980.46	87.06	--	--	3893.40
MW-18	12/04/06	3980.46	87.66	--	--	3892.80
MW-18	01/04/07	3980.46	87.13	--	--	3893.33
MW-18	02/27/07	3980.46	87.05	--	--	3893.41
MW-18	03/20/07	3980.46	87.31	--	--	3893.15
MW-18	04/17/07	3980.46	87.12	--	--	3893.34
MW-18	05/07/07	3980.46	87.36	--	--	3893.10
MW-18	06/17/07	3980.46	87.29	--	--	3893.17
MW-18	07/19/07	3980.46	87.21	--	--	3893.25
MW-18	08/21/07	3980.46	87.19	--	--	3893.27
MW-18	09/17/07	3980.46	87.22	--	--	3893.24
MW-18	10/16/07	3980.46	87.17	--	--	3893.29
MW-18	11/20/07	3980.46	87.23	--	--	3893.23
MW-18	12/21/07	3980.46	87.07	--	--	3893.39
MW-18	01/22/08	3980.46	87.56	--	--	3892.90
MW-18	02/26/08	3980.46	87.58	--	--	3892.88
MW-18	03/25/08	3980.46	87.43	--	--	3893.03
MW-18	04/29/08	3980.46	87.46	--	--	3893.00
MW-18	05/05/08	3980.46	87.43	--	--	3893.03
MW-18	06/10/08	3980.46	87.43	--	--	3893.03
MW-18	07/15/08	3980.46	87.48	--	--	3892.98
MW-18	08/19/08	3980.46	87.50	--	--	3892.96
MW-18	09/16/08	3980.46	87.81	--	--	3892.65
MW-18	10/15/08	3980.46	NM	NM	NM	NM
MW-18	11/12/08	3980.46	87.46	--	--	3893.00
MW-18	12/11/08	3980.46	87.69	--	--	3892.77
MW-18	01/13/09	3980.46	87.87	--	--	3892.59
MW-18	02/11/09	3980.46	87.58	--	--	3892.88
MW-18	03/10/09	3980.46	87.39	--	--	3893.07
MW-18	04/13/09	3980.46	87.53	--	--	3892.93
MW-18	05/01/09	3980.46	87.37	--	--	3893.09
MW-18	06/08/09	3980.46	87.26	--	--	3893.20
MW-18	07/13/09	3980.46	87.38	--	--	3893.08
MW-18	08/10/09	3980.46	87.39	--	--	3893.07
MW-18	09/15/09	3980.46	87.21	--	--	3893.25
MW-18	10/06/09	3980.46	87.12	--	--	3893.34
MW-18	11/09/09	3980.46	87.12	--	--	3893.34
MW-18	12/23/09	3980.46	86.80	--	--	3893.66
MW-18	01/20/10	3980.46	86.74	--	--	3893.72
MW-18	02/09/10	3980.46	87.35	--	--	3893.11
MW-18	03/09/10	3980.46	86.93	--	--	3893.53

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-18	04/12/10	3980.46	87.25	--	--	3893.21
MW-18	05/24/10	3980.46	87.00	--	--	3893.46
MW-18	06/14/10	3980.46	87.12	--	--	3893.34
MW-18	07/20/10	3980.46	87.19	--	--	3893.27
MW-18	08/11/10	3980.46	87.27	--	--	3893.19
MW-18	09/21/10	3980.46	87.08	--	--	3893.38
MW-18	10/20/10	3980.46	87.28	--	--	3893.18
MW-18	11/08/10	3980.46	87.10	--	--	3893.36
MW-18	12/07/10	3980.46	87.18	--	--	3893.28
MW-18	01/18/11	3980.46	87.17	--	--	3893.29
MW-18	02/08/11	3980.46	86.94	--	--	3893.52
MW-18	03/08/11	3980.46	86.94	--	--	3893.52
MW-18	04/13/11	3980.46	87.19	--	--	3893.27
MW-18	05/23/11	3980.46	87.11	--	--	3893.35
MW-18	06/28/11	3980.46	87.40	--	--	3893.06
MW-18	07/19/11	3980.46	87.29	--	--	3893.17
MW-18	08/31/11	3980.46	87.17	--	--	3893.29
MW-18	09/27/11	3980.46	87.25	--	--	3893.21
MW-18	10/24/11	3980.46	87.33	--	--	3893.13
MW-18	11/29/11	3980.46	87.44	--	--	3893.02
MW-18	12/23/11	3980.46	87.29	--	--	3893.17
MW-18	01/31/12	3980.46	87.22	--	--	3893.24
MW-18	02/29/12	3980.46	87.27	--	--	3893.19
MW-18	03/27/12	3980.46	87.25	--	--	3893.21
MW-18	04/18/12	3980.46	87.30	--	--	3893.16
MW-18	05/21/12	3980.46	87.53	--	--	3892.93
MW-18	07/17/12	3980.46	87.33	--	--	3893.13
MW-18	08/21/12	3980.46	87.32	--	--	3893.14
MW-18	09/17/12	3980.46	87.20	--	--	3893.26
MW-18	12/13/12	3980.46	87.47	--	--	3892.99
MW-18	01/09/13	3980.46	87.58	--	--	3892.88
MW-18	02/06/13	3980.46	87.32	--	--	3893.14
MW-18	03/06/13	3980.46	87.60	--	--	3892.86
MW-18	06/05/13	3980.46	87.41	--	--	3893.05
MW-18	07/03/13	3980.46	87.57	--	--	3892.89
MW-18	07/30/13	3980.46	87.60	--	--	3892.86
MW-18	08/15/13	3980.46	87.60	--	--	3892.86
MW-18	10/02/13	3980.46	87.45	--	--	3893.01
MW-18	12/23/13	3980.46	87.86	--	--	3892.60
MW-18	01/09/14	3980.46	87.45	--	--	3893.01
MW-18	02/12/14	3980.46	87.71	--	--	3892.75
MW-18	03/19/14	3980.46	87.75	--	--	3892.71

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-18	04/03/14	3980.46	87.32	--	--	3893.14
MW-18	05/07/14	3980.46	87.35	--	--	3893.11
MW-18	06/05/14	3980.46	87.42	--	--	3893.04
MW-18	07/01/14	3980.46	87.63	--	--	3892.83
MW-18	07/22/14	3980.46	87.82	--	--	3892.64
MW-18	08/05/14	3980.46	87.76	--	--	3892.70
MW-18	09/04/14	3980.46	87.62	--	--	3892.84
MW-18	10/02/14	3980.46	87.64	--	--	3892.82
MW-18	11/06/14	3980.46	88.02	--	--	3892.44
MW-18	12/04/14	3980.46	87.62	--	--	3892.84
MW-18	01/15/15	3980.46	87.93	--	--	3892.53
MW-18	04/21/15	3980.46	NM	NM	NM	NM
MW-18	05/15/15	3980.46	NM	NM	NM	NM
MW-18	06/11/15	3980.46	NM	NM	NM	NM
MW-18	08/24/15	3980.46	88.92	--	--	3891.54
MW-18	09/02/15	3980.46	NM	NM	NM	NM
MW-18	10/05/15	3980.46	NM	NM	NM	NM
MW-18	11/23/15	3980.46	NM	NM	NM	NM
MW-18	01/20/16	3980.46	NM	NM	NM	NM
MW-18	02/16/16	3980.46	NM	NM	NM	NM
MW-18	03/15/16	3980.46	NM	NM	NM	NM
MW-18	04/20/16	3980.46	NM	NM	NM	NM
MW-18	05/18/16	3980.46	NM	NM	NM	NM
MW-18	06/21/16	3980.46	NM	NM	NM	NM
MW-18	08/08/16	3980.46	87.41	--	--	3893.05
MW-18	08/16/16	3980.46	NM	NM	NM	NM
MW-18	09/20/16	3980.46	NM	NM	NM	NM
MW-18	10/18/16	3980.46	NM	NM	NM	NM
MW-18	12/20/16	3980.46	NM	NM	NM	NM
MW-19	09/20/02	4037.34	117.23	--	--	3920.11
MW-19	04/05/04	4037.34	116.67	--	--	3920.67
MW-19	05/17/04	4037.34	116.62	--	--	3920.72
MW-19	05/24/04	4037.34	116.59	--	--	3920.75
MW-19	06/01/04	4037.34	116.57	--	--	3920.77
MW-19	06/07/04	4037.34	116.59	--	--	3920.75
MW-19	06/15/04	4037.34	116.53	--	--	3920.81
MW-19	06/21/04	4037.34	116.63	--	--	3920.71
MW-19	06/28/04	4037.34	116.68	--	--	3920.66
MW-19	07/06/04	4037.34	116.65	--	--	3920.69
MW-19	07/12/04	4037.34	116.66	--	--	3920.68
MW-19	07/19/04	4037.34	116.68	--	--	3920.66

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-19	07/26/04	4037.34	116.73	--	--	3920.61
MW-19	08/02/04	4037.34	116.71	--	--	3920.63
MW-19	08/10/04	4037.34	116.71	--	--	3920.63
MW-19	08/16/04	4037.34	116.74	--	--	3920.60
MW-19	08/23/04	4037.34	116.69	--	--	3920.65
MW-19	08/30/04	4037.34	116.69	--	--	3920.65
MW-19	09/08/04	4037.34	116.73	--	--	3920.61
MW-19	10/08/04	4037.34	116.78	--	--	3920.56
MW-19	12/30/04	4037.34	116.76	--	--	3920.58
MW-19	01/17/05	4037.34	116.78	--	--	3920.56
MW-19	02/09/05	4037.34	116.76	--	--	3920.58
MW-19	03/09/05	4037.34	116.70	--	--	3920.64
MW-19	04/05/05	4037.34	116.64	--	--	3920.70
MW-19	05/10/05	4037.34	116.63	--	--	3920.71
MW-19	06/08/05	4037.34	116.57	--	--	3920.77
MW-19	07/05/05	4037.34	116.64	--	--	3920.70
MW-19	08/08/05	4037.34	116.77	--	--	3920.57
MW-19	09/15/05	4037.34	116.71	--	--	3920.63
MW-19	10/12/05	4037.34	116.70	--	--	3920.64
MW-19	11/09/05	4037.34	116.74	--	--	3920.60
MW-19	12/14/05	4037.34	116.74	--	--	3920.60
MW-19	01/12/06	4037.34	116.73	--	--	3920.61
MW-19	02/02/06	4037.34	116.70	--	--	3920.64
MW-19	03/07/06	4037.34	116.72	--	--	3920.62
MW-19	04/05/06	4037.34	116.68	--	--	3920.66
MW-19	05/08/06	4037.34	116.61	--	--	3920.73
MW-19	06/05/06	4037.34	116.66	--	--	3920.68
MW-19	07/11/06	4037.34	116.73	--	--	3920.61
MW-19	08/16/06	4037.34	116.74	--	--	3920.60
MW-19	09/07/06	4037.34	116.74	--	--	3920.60
MW-19	10/11/06	4037.34	116.80	--	--	3920.54
MW-19	11/08/06	4037.34	116.79	--	--	3920.55
MW-19	12/04/06	4037.34	116.90	--	--	3920.44
MW-19	01/04/07	4037.34	116.65	--	--	3920.69
MW-19	02/27/07	4037.34	116.71	--	--	3920.63
MW-19	03/20/07	4037.34	116.76	--	--	3920.58
MW-19	04/17/07	4037.34	116.61	--	--	3920.73
MW-19	05/07/07	4037.34	116.66	--	--	3920.68
MW-19	06/27/07	4037.34	116.59	--	--	3920.75
MW-19	07/19/07	4037.34	116.65	--	--	3920.69
MW-19	08/21/07	4037.34	116.63	--	--	3920.71
MW-19	09/17/07	4037.34	116.70	--	--	3920.64

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-19	10/16/07	4037.34	116.66	--	--	3920.68
MW-19	11/20/07	4037.34	116.78	--	--	3920.56
MW-19	12/21/07	4037.34	116.64	--	--	3920.70
MW-19	01/22/08	4037.34	116.88	--	--	3920.46
MW-19	02/27/08	4037.34	117.04	--	--	3920.30
MW-19	03/25/08	4037.34	116.88	--	--	3920.46
MW-19	04/29/08	4037.34	116.89	--	--	3920.45
MW-19	05/05/08	4037.34	116.82	--	--	3920.52
MW-19	06/10/08	4037.34	116.79	--	--	3920.55
MW-19	07/15/08	4037.34	116.88	--	--	3920.46
MW-19	08/19/08	4037.34	116.89	--	--	3920.45
MW-19	09/16/08	4037.34	117.17	--	--	3920.17
MW-19	10/15/08	4037.34	117.09	--	--	3920.25
MW-19	11/12/08	4037.34	116.82	--	--	3920.52
MW-19	12/11/08	4037.34	117.09	--	--	3920.25
MW-19	01/13/09	4037.34	117.28	--	--	3920.06
MW-19	02/11/09	4037.34	116.83	--	--	3920.51
MW-19	03/10/09	4037.34	116.78	--	--	3920.56
MW-19	04/13/09	4037.34	116.80	--	--	3920.54
MW-19	05/01/09	4037.34	116.77	--	--	3920.57
MW-19	06/08/09	4037.34	116.61	--	--	3920.73
MW-19	07/13/09	4037.34	116.78	--	--	3920.56
MW-19	08/10/09	4037.34	116.74	--	--	3920.60
MW-19	09/15/09	4037.34	116.62	--	--	3920.72
MW-19	10/06/09	4037.34	116.47	--	--	3920.87
MW-19	11/09/09	4037.34	116.64	--	--	3920.70
MW-19	12/23/09	4037.34	116.29	--	--	3921.05
MW-19	01/20/10	4037.34	116.27	--	--	3921.07
MW-19	02/09/10	4037.34	116.61	--	--	3920.73
MW-19	03/09/10	4037.34	116.32	--	--	3921.02
MW-19	04/12/10	4037.34	116.62	--	--	3920.72
MW-19	05/24/10	4037.34	116.37	--	--	3920.97
MW-19	06/14/10	4037.34	116.51	--	--	3920.83
MW-19	07/20/10	4037.34	116.59	--	--	3920.75
MW-19	08/11/10	4037.34	116.58	--	--	3920.76
MW-19	09/21/10	4037.34	116.49	--	--	3920.85
MW-19	10/20/10	4037.34	116.60	--	--	3920.74
MW-19	11/08/10	4037.34	116.52	--	--	3920.82
MW-19	12/07/10	4037.34	116.57	--	--	3920.77
MW-19	01/18/11	4037.34	116.38	--	--	3920.96
MW-19	02/08/11	4037.34	116.37	--	--	3920.97
MW-19	03/08/11	4037.34	116.21	--	--	3921.13

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-19	04/13/11	4037.34	116.12	--	--	3921.22
MW-19	05/23/11	4037.34	116.35	--	--	3920.99
MW-19	06/28/11	4037.34	116.57	--	--	3920.77
MW-19	07/19/11	4037.34	116.49	--	--	3920.85
MW-19	08/31/11	4037.34	116.37	--	--	3920.97
MW-19	09/27/11	4037.34	116.38	--	--	3920.96
MW-19	10/24/11	4037.34	116.55	--	--	3920.79
MW-19	11/29/11	4037.34	116.63	--	--	3920.71
MW-19	12/23/11	4037.34	116.35	--	--	3920.99
MW-19	01/31/12	4037.34	116.35	--	--	3920.99
MW-19	02/29/12	4037.34	116.39	--	--	3920.95
MW-19	03/27/12	4037.34	116.30	--	--	3921.04
MW-19	04/18/12	4037.34	116.39	--	--	3920.95
MW-19	05/21/12	4037.34	116.54	--	--	3920.80
MW-19	07/17/12	4037.34	116.36	--	--	3920.98
MW-19	08/21/12	4037.34	116.33	--	--	3921.01
MW-19	09/17/12	4037.34	116.25	--	--	3921.09
MW-19	12/13/12	4037.34	116.42	--	--	3920.92
MW-19	01/09/13	4037.34	116.92	--	--	3920.42
MW-19	02/06/13	4037.34	116.28	--	--	3921.06
MW-19	03/06/13	4037.34	116.57	--	--	3920.77
MW-19	05/01/13	4037.34	116.11	--	--	3921.23
MW-19	06/05/13	4037.34	116.23	--	--	3921.11
MW-19	07/03/13	4037.34	116.46	--	--	3920.88
MW-19	07/30/13	4037.34	116.48	--	--	3920.86
MW-19	08/15/13	4037.34	116.47	--	--	3920.87
MW-19	10/02/13	4037.34	116.28	--	--	3921.06
MW-19	12/23/13	4037.34	116.63	--	--	3920.71
MW-19	01/09/14	4037.34	116.35	--	--	3920.99
MW-19	02/12/14	4037.34	117.46	--	--	3919.88
MW-19	03/19/14	4037.34	116.43	--	--	3920.91
MW-19	04/03/14	4037.34	116.12	--	--	3921.22
MW-19	05/07/14	4037.34	116.13	--	--	3921.21
MW-19	06/05/14	4037.34	116.19	--	--	3921.15
MW-19	07/01/14	4037.34	116.27	--	--	3921.07
MW-19	07/22/14	4037.34	116.46	--	--	3920.88
MW-19	08/05/14	4037.34	116.48	--	--	3920.86
MW-19	09/04/14	4037.34	116.31	--	--	3921.03
MW-19	10/02/14	4037.34	116.25	--	--	3921.09
MW-19	11/06/14	4037.34	116.72	--	--	3920.62
MW-19	12/04/14	4037.34	116.18	--	--	3921.16
MW-19	01/15/15	4037.34	116.59	--	--	3920.75

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-19	04/21/15	4037.34	NM	NM	NM	NM
MW-19	05/15/15	4037.34	NM	NM	NM	NM
MW-19	06/11/15	4037.34	NM	NM	NM	NM
MW-19	08/24/15	4037.34	NM	NM	NM	NM
MW-19	09/02/15	4037.34	NM	NM	NM	NM
MW-19	10/05/15	4037.34	NM	NM	NM	NM
MW-19	11/23/15	4037.34	NM	NM	NM	NM
MW-19	01/20/16	4037.34	NM	NM	NM	NM
MW-19	02/16/16	4037.34	NM	NM	NM	NM
MW-19	03/15/16	4037.34	NM	NM	NM	NM
MW-19	04/20/16	4037.34	NM	NM	NM	NM
MW-19	05/18/16	4037.34	NM	NM	NM	NM
MW-19	06/21/16	4037.34	NM	NM	NM	NM
MW-19	08/08/16	4037.34	NM	NM	NM	NM
MW-19	08/16/16	4037.34	NM	NM	NM	NM
MW-19	09/20/16	4037.34	NM	NM	NM	NM
MW-19	10/18/16	4037.34	NM	NM	NM	NM
MW-19	12/20/16	4037.34	NM	NM	NM	NM
MW-20	09/20/02	3976.92	75.90	--	--	3901.02
MW-20	04/05/04	3976.92	76.13	--	--	3900.79
MW-20	05/17/04	3976.92	76.16	--	--	3900.76
MW-20	05/24/04	3976.92	76.11	--	--	3900.81
MW-20	06/01/04	3976.92	76.14	--	--	3900.78
MW-20	06/07/04	3976.92	76.10	--	--	3900.82
MW-20	06/15/04	3976.92	76.17	--	--	3900.75
MW-20	06/21/04	3976.92	76.15	--	--	3900.77
MW-20	06/28/04	3976.92	76.36	--	--	3900.56
MW-20	07/06/04	3976.92	76.24	--	--	3900.68
MW-20	07/12/04	3976.92	76.31	--	--	3900.61
MW-20	07/19/04	3976.92	76.26	--	--	3900.66
MW-20	07/26/04	3976.92	76.41	--	--	3900.51
MW-20	08/02/04	3976.92	76.28	--	--	3900.64
MW-20	08/10/04	3976.92	76.37	--	--	3900.55
MW-20	08/16/04	3976.92	76.32	--	--	3900.60
MW-20	08/23/04	3976.92	76.13	--	--	3900.79
MW-20	08/30/04	3976.92	76.30	--	--	3900.62
MW-20	09/08/04	3976.92	76.02	--	--	3900.90
MW-20	10/08/04	3976.92	74.45	--	--	3902.47
MW-20	12/30/04	3976.92	73.18	--	--	3903.74
MW-20	01/17/05	3976.92	73.89	--	--	3903.03
MW-20	02/09/05	3976.92	74.27	--	--	3902.65

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-20	03/09/05	3976.92	74.86	--	--	3902.06
MW-20	04/05/05	3976.92	75.03	--	--	3901.89
MW-20	05/10/05	3976.92	75.28	--	--	3901.64
MW-20	06/08/05	3976.92	75.48	--	--	3901.44
MW-20	07/05/05	3976.92	75.58	--	--	3901.34
MW-20	08/08/05	3976.92	75.82	--	--	3901.10
MW-20	09/14/05	3976.92	74.48	--	--	3902.44
MW-20	10/12/05	3976.92	73.79	--	--	3903.13
MW-20	11/09/05	3976.92	74.19	--	--	3902.73
MW-20	12/14/05	3976.92	75.01	--	--	3901.91
MW-20	01/12/06	3976.92	75.47	--	--	3901.45
MW-20	02/02/06	3976.92	75.50	--	--	3901.42
MW-20	03/07/06	3976.92	75.75	--	--	3901.17
MW-20	04/05/06	3976.92	75.88	--	--	3901.04
MW-20	05/08/06	3976.92	75.89	--	--	3901.03
MW-20	06/05/06	3976.92	77.15	--	--	3899.77
MW-20	07/11/06	3976.92	76.18	--	--	3900.74
MW-20	08/16/06	3976.92	76.12	--	--	3900.80
MW-20	09/07/06	3976.92	76.26	--	--	3900.66
MW-20	06/27/07	3976.92	12.45	--	--	3964.47
MW-20	07/19/07	3976.92	79.91	--	--	3897.01
MW-20	08/21/07	3976.92	76.44	--	--	3900.48
MW-20	09/17/07	3976.92	76.58	--	--	3900.34
MW-20	10/16/07	3976.92	76.52	--	--	3900.40
MW-20	11/20/07	3976.92	76.60	--	--	3900.32
MW-20	12/21/07	3977.52	76.48	--	--	3901.04
MW-20	01/22/08	3977.52	76.75	--	--	3900.77
MW-20	02/27/08	3977.52	76.80	--	--	3900.72
MW-20	03/25/08	3977.52	76.70	--	--	3900.82
MW-20	04/29/08	3977.52	76.70	--	--	3900.82
MW-20	05/05/08	3977.52	76.68	--	--	3900.84
MW-20	06/10/08	3977.52	76.75	--	--	3900.77
MW-20	07/15/08	3977.52	76.71	--	--	3900.81
MW-20	08/19/08	3977.52	76.73	--	--	3900.79
MW-20	09/16/08	3977.52	76.92	--	--	3900.60
MW-20	10/15/08	3977.52	76.66	--	--	3900.86
MW-20	11/12/08	3977.52	76.33	--	--	3901.19
MW-20	12/11/08	3977.52	76.38	--	--	3901.14
MW-20	01/13/09	3977.52	76.55	--	--	3900.97
MW-20	02/11/09	3977.52	76.36	--	--	3901.16
MW-20	03/10/09	3977.52	76.30	--	--	3901.22
MW-20	04/13/09	3977.52	76.46	--	--	3901.06

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-20	05/01/09	3977.52	76.41	--	--	3901.11
MW-20	06/08/09	3977.52	76.35	--	--	3901.17
MW-20	07/13/09	3977.52	76.46	--	--	3901.06
MW-20	08/10/09	3977.52	76.47	--	--	3901.05
MW-20	09/15/09	3977.52	76.21	--	--	3901.31
MW-20	10/06/09	3977.52	76.05	--	--	3901.47
MW-20	11/09/09	3977.52	76.24	--	--	3901.28
MW-20	12/23/09	3977.52	75.91	--	--	3901.61
MW-20	01/20/10	3977.52	75.88	--	--	3901.64
MW-20	02/09/10	3977.52	76.35	--	--	3901.17
MW-20	03/09/10	3977.52	76.13	--	--	3901.39
MW-20	04/12/10	3977.52	76.36	--	--	3901.16
MW-20	05/24/10	3977.52	76.24	--	--	3901.28
MW-20	06/14/10	3977.52	76.35	--	--	3901.17
MW-20	07/20/10	3977.52	76.39	--	--	3901.13
MW-20	08/11/10	3977.52	76.42	--	--	3901.10
MW-20	09/21/10	3977.52	76.33	--	--	3901.19
MW-20	10/20/10	3977.52	76.45	--	--	3901.07
MW-20	11/08/10	3977.52	76.39	--	--	3901.13
MW-20	12/07/10	3977.52	76.45	--	--	3901.07
MW-20	01/18/11	3977.52	76.45	--	--	3901.07
MW-20	02/08/11	3977.52	76.31	--	--	3901.21
MW-20	03/08/11	3977.52	76.34	--	--	3901.18
MW-20	04/13/11	3977.52	76.52	--	--	3901.00
MW-20	05/23/11	3977.52	76.52	--	--	3901.00
MW-20	06/28/11	3977.52	76.71	--	--	3900.81
MW-20	07/19/11	3977.52	76.57	--	--	3900.95
MW-20	08/31/11	3977.52	76.52	--	--	3901.00
MW-20	09/27/11	3977.52	76.53	--	--	3900.99
MW-20	10/24/11	3977.52	76.64	--	--	3900.88
MW-20	11/29/11	3977.52	76.73	--	--	3900.79
MW-20	12/23/11	3977.52	76.63	--	--	3900.89
MW-20	01/31/12	3977.52	76.59	--	--	3900.93
MW-20	02/29/12	3977.52	76.63	--	--	3900.89
MW-20	03/27/12	3977.52	76.64	--	--	3900.88
MW-20	04/18/12	3977.52	76.69	--	--	3900.83
MW-20	07/17/12	3977.52	76.70	--	--	3900.82
MW-20	05/21/12	3977.52	76.82	--	--	3900.70
MW-20	08/21/12	3977.52	76.70	--	--	3900.82
MW-20	09/17/12	3977.52	76.61	--	--	3900.91
MW-20	12/13/12	3977.52	76.85	--	--	3900.67
MW-20	01/09/13	3977.52	76.91	--	--	3900.61

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-20	02/06/13	3977.52	76.76	--	--	3900.76
MW-20	03/06/13	3977.52	76.97	--	--	3900.55
MW-20	05/01/13	3977.52	76.78	--	--	3900.74
MW-20	06/05/13	3977.52	76.85	--	--	3900.67
MW-20	07/03/13	3977.52	76.93	--	--	3900.59
MW-20	07/30/13	3977.52	76.95	--	--	3900.57
MW-20	08/15/13	3977.52	76.95	--	--	3900.57
MW-20	10/02/13	3977.52	76.90	--	--	3900.62
MW-20	12/23/13	3977.52	77.13	--	--	3900.39
MW-20	01/09/14	3977.52	76.83	--	--	3900.69
MW-20	02/12/14	3977.52	77.03	--	--	3900.49
MW-20	03/19/14	3977.52	77.21	--	--	3900.31
MW-20	04/03/14	3977.52	76.84	--	--	3900.68
MW-20	05/07/14	3977.52	76.84	--	--	3900.68
MW-20	06/05/14	3977.52	76.89	--	--	3900.63
MW-20	07/01/14	3977.52	77.02	--	--	3900.50
MW-20	07/22/14	3977.52	77.12	--	--	3900.40
MW-20	08/05/14	3977.52	77.09	--	--	3900.43
MW-20	09/04/14	3977.52	77.03	--	--	3900.49
MW-20	10/02/14	3977.52	77.04	--	--	3900.48
MW-20	11/06/14	3977.52	77.23	--	--	3900.29
MW-20	12/04/14	3977.52	77.09	--	--	3900.43
MW-20	01/15/15	3977.52	76.77	--	--	3900.75
MW-20	04/21/15	3977.52	NM	NM	NM	NM
MW-20	05/15/15	3977.52	NM	NM	NM	NM
MW-20	06/11/15	3977.52	NM	NM	NM	NM
MW-20	08/24/15	3977.52	76.65	--	--	3900.87
MW-20	09/02/15	3977.52	NM	NM	NM	NM
MW-20	10/05/15	3977.52	NM	NM	NM	NM
MW-20	11/23/15	3977.52	NM	NM	NM	NM
MW-20	01/20/16	3977.52	NM	NM	NM	NM
MW-20	02/16/16	3977.52	NM	NM	NM	NM
MW-20	03/15/16	3977.52	NM	NM	NM	NM
MW-20	04/20/16	3977.52	NM	NM	NM	NM
MW-20	05/18/16	3977.52	NM	NM	NM	NM
MW-20	06/21/16	3977.52	NM	NM	NM	NM
MW-20	08/08/16	3977.52	76.60	--	--	3900.92
MW-20	08/16/16	3977.52	NM	NM	NM	NM
MW-20	09/20/16	3977.52	NM	NM	NM	NM
MW-20	10/18/16	3977.52	NM	NM	NM	NM
MW-20	12/20/16	3977.52	NM	NM	NM	NM

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-21	01/09/14	NM	84.07	--	--	NM
MW-21	02/12/14	NM	84.27	--	--	NM
MW-21	03/19/14	NM	84.42	--	--	NM
MW-21	04/03/14	NM	84.07	--	--	NM
MW-21	05/07/14	NM	84.08	--	--	NM
MW-21	06/05/14	NM	84.21	--	--	NM
MW-21	07/01/14	NM	84.41	--	--	NM
MW-21	08/05/14	NM	84.58	--	--	NM
MW-21	09/04/14	NM	84.32	--	--	NM
MW-21	10/02/14	NM	84.53	--	--	NM
MW-21	11/06/14	NM	84.93	--	--	NM
MW-21	12/04/14	NM	84.81	--	--	NM
MW-21	01/15/15	NM	85.13	--	--	NM
MW-21	04/21/15	NM	84.16	--	--	NM
MW-21	05/15/15	NM	84.00	--	--	NM
MW-21	06/11/15	NM	84.05	--	--	NM
MW-21	08/24/15	NM	83.89	--	--	NM
MW-21	09/02/15	3997.10	83.69	--	--	3913.41
MW-21	10/05/15	3997.10	83.61	--	--	3913.49
MW-21	11/23/15	3997.10	83.29	--	--	3913.81
MW-21	01/20/16	3997.10	82.88	--	--	3914.22
MW-21	02/16/16	3997.10	82.84	--	--	3914.26
MW-21	03/15/16	3997.10	82.70	--	--	3914.40
MW-21	04/20/16	3997.10	82.82	--	--	3914.28
MW-21	05/18/16	3997.10	83.01	--	--	3914.09
MW-21	06/21/16	3997.10	83.12	--	--	3913.98
MW-21	08/08/16	3997.10	82.81	--	--	3914.29
MW-21	08/16/16	3997.10	83.15	--	--	3913.95
MW-21	09/20/16	3997.10	83.20	--	--	3913.90
MW-21	10/18/16	3997.10	83.08	--	--	3914.02
MW-21	12/20/16	3997.10	83.40	--	--	3913.70
MW-21	01/16/17	3997.10	82.90	--	--	3914.20
MW-21	04/19/17	3997.10	83.02	--	--	3914.08
MW-21	05/17/17	3997.10	82.84	--	--	3914.26
MW-21	08/21/17	3997.10	83.15	--	--	3913.95

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-22	08/24/15	NM	87.73	--	--	NM
MW-22	09/02/15	4002.71	NM	NM	NM	NM
MW-22	10/05/15	4002.71	87.50	--	--	3915.21
MW-22	11/23/15	4002.71	87.07	--	--	3915.64
MW-22	01/20/16	4002.71	NM	NM	NM	NM
MW-22	02/16/16	4002.71	NM	NM	NM	NM
MW-22	03/15/16	4002.71	NM	NM	NM	NM
MW-22	04/20/16	4002.71	NM	NM	NM	NM
MW-22	05/18/16	4002.71	NM	NM	NM	NM
MW-22	06/21/16	4002.71	NM	NM	NM	NM
MW-22	08/08/16	4002.71	86.80	--	--	3915.91
MW-22	08/16/16	4002.71	NM	NM	NM	NM
MW-22	09/20/16	4002.71	NM	NM	NM	NM
MW-22	10/18/16	4002.71	NM	NM	NM	NM
MW-22	12/20/16	4002.71	NM	NM	NM	NM
MW-22	01/16/17	4002.71	NM	NM	NM	NM
MW-22	04/19/17	4002.71	NM	NM	NM	NM
MW-22	05/17/17	4002.71	NM	NM	NM	NM
MW-22	08/21/17	4002.71	NM	NM	NM	NM
MW-23	08/24/15	NM	87.31	--	--	NM
MW-23	09/02/15	4000.87	NM	NM	NM	NM
MW-23	10/05/15	4000.87	87.24	--	--	3913.63
MW-23	11/23/15	4000.87	86.96	--	--	3913.91
MW-23	01/20/16	4000.87	NM	NM	NM	NM
MW-23	02/16/16	4000.87	NM	NM	NM	NM
MW-23	03/15/16	4000.87	NM	NM	NM	NM
MW-23	04/20/16	4000.87	NM	NM	NM	NM
MW-23	05/18/16	4000.87	NM	NM	NM	NM
MW-23	06/21/16	4000.87	NM	NM	NM	NM
MW-23	08/08/16	4000.87	86.10	--	--	3914.77
MW-23	08/16/16	4000.87	NM	NM	NM	NM
MW-23	09/20/16	4000.87	NM	NM	NM	NM
MW-23	10/18/16	4000.87	NM	NM	NM	NM
MW-23	12/20/16	4000.87	NM	NM	NM	NM
MW-23	01/16/17	4000.87	NM	NM	NM	NM
MW-23	04/19/17	4000.87	NM	NM	NM	NM
MW-23	05/17/17	4000.87	NM	NM	NM	NM
MW-23	08/21/17	4000.87	NM	NM	NM	NM

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
SK-1	03/22/02	4002.94	74.07	74.02	0.05	3928.91
SK-1	09/16/02	4002.94	74.40	74.38	0.02	3928.56
SK-1	04/05/04	4002.94	76.81	74.30	2.51	3928.14
SK-1	05/17/04	4002.94	80.67	78.17	2.50	3924.27
SK-1	06/21/04	4002.94	84.37	81.68	2.69	3920.72
SK-1	06/21/04	4002.94	80.95	78.28	2.67	3924.13
SK-1	06/07/04	4002.94	80.72	78.04	2.68	3924.36
SK-1	06/15/04	4002.94	80.69	78.03	2.66	3924.38
SK-1	06/21/04	4002.94	80.86	78.18	2.68	3924.22
SK-1	06/28/04	4002.94	80.95	78.30	2.65	3924.11
SK-1	07/06/04	4002.94	79.99	78.34	1.65	3924.27
SK-1	07/12/04	4002.94	81.03	78.38	2.65	3924.03
SK-1	07/19/04	4002.94	81.16	78.38	2.78	3924.00
SK-1	07/26/04	4002.94	81.41	78.56	2.85	3923.81
SK-1	08/02/04	4002.94	81.73	78.46	3.27	3923.83
SK-1	08/10/04	4002.94	82.15	77.99	4.16	3924.12
SK-1	08/16/04	4002.94	82.84	77.77	5.07	3924.16
SK-1	08/23/04	4002.94	83.75	77.61	6.14	3924.10
SK-1	08/30/04	4002.94	84.42	77.41	7.01	3924.13
SK-1	09/08/04	4002.94	85.19	77.00	8.19	3924.30
SK-1	10/08/04	4002.94	86.99	76.24	10.75	3924.55
SK-1	12/30/04	4002.94	85.50	76.35	9.15	3924.76
SK-1	01/17/05	4002.94	82.03	76.16	5.87	3925.61
SK-1	02/09/05	4002.94	84.30	76.99	7.31	3924.49
SK-1	03/09/05	4002.94	84.20	76.83	7.37	3924.64
SK-1	04/05/05	4002.94	84.18	76.56	7.62	3924.86
SK-1	05/10/05	4002.94	84.08	76.42	7.66	3924.99
SK-1	06/08/05	4002.94	82.13	77.20	4.93	3924.75
SK-1	07/05/05	4002.94	82.29	77.27	5.02	3924.67
SK-1	08/08/05	4002.94	82.73	76.89	5.84	3924.88
SK-1	09/14/05	4002.94	79.55	75.51	4.04	3926.62
SK-1	10/12/05	4002.94	78.91	75.49	3.42	3926.77
SK-1	11/09/05	4002.94	78.76	75.44	3.32	3926.84
SK-1	12/14/05	4002.94	79.87	75.41	4.46	3926.64
SK-1	01/12/06	4002.94	78.57	75.72	2.85	3926.65
SK-1	02/02/06	4002.94	79.51	77.03	2.48	3925.41
SK-1	03/07/06	4002.94	82.32	77.57	4.75	3924.42
SK-1	04/05/06	4002.94	79.47	79.43	0.04	3923.50
SK-1	05/08/06	4002.94	78.33	78.01	0.32	3924.87
SK-1	06/05/06	4002.94	78.61	78.60	0.01	3924.34
SK-1	07/11/06	4002.94	78.28	77.64	0.64	3925.17
SK-1	08/16/06	4002.94	76.67	76.14	0.53	3926.69

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
SK-1	08/30/06	4002.94	76.56	76.04	0.52	3926.80
SK-1	09/07/06	4002.94	77.87	77.33	0.54	3925.50
SK-1	10/11/06	4002.94	78.24	77.66	0.58	3925.16
SK-1	11/08/06	4002.94	77.92	77.92	0.00	3925.02
SK-1	12/04/06	4002.94	78.43	78.43	0.00	3924.51
SK-1	01/04/07	4002.94	77.76	77.75	0.01	3925.19
SK-1	02/27/07	4002.94	77.15	77.14	0.01	3925.80
SK-1	03/20/07	4002.94	80.27	80.24	0.03	3922.69
SK-1	04/17/07	4002.94	80.48	80.44	0.04	3922.49
SK-1	05/07/07	4002.94	78.17	78.12	0.05	3924.81
SK-1	06/27/07	4002.94	77.88	77.79	0.09	3925.13
SK-1	07/19/07	4002.94	77.73	77.65	0.08	3925.27
SK-1	08/21/07	4002.94	77.69	77.61	0.08	3925.31
SK-1	09/17/07	4002.94	77.60	77.52	0.08	3925.40
SK-1	10/16/07	4002.94	77.46	77.43	0.03	3925.50
SK-1	11/20/07	4002.94	77.44	77.37	0.07	3925.56
SK-1	12/21/07	4005.60	77.25	77.18	0.07	3928.41
SK-1	01/22/08	4005.60	76.16	76.08	0.08	3929.50
SK-1	02/27/08	4005.60	76.15	76.08	0.07	3929.51
SK-1	03/25/08	4005.60	77.32	77.24	0.08	3928.34
SK-1	04/29/08	4005.60	77.40	77.32	0.08	3928.26
SK-1	05/05/08	4005.60	77.27	77.26	0.01	3928.34
SK-1	06/10/08	4005.60	77.36	77.28	0.08	3928.30
SK-1	07/15/08	4005.60	77.34	77.26	0.08	3928.32
SK-1	08/19/08	4005.60	75.35	75.27	0.08	3930.31
SK-1	09/16/08	4005.60	75.45	75.38	0.07	3930.21
SK-1	10/15/08	4005.60	76.13	76.05	0.08	3929.53
SK-1	11/12/08	4005.60	75.45	75.38	0.07	3930.21
SK-1	12/11/08	4005.60	77.15	77.08	0.07	3928.51
SK-1	01/13/09	4005.60	77.37	77.31	0.06	3928.28
SK-1	02/11/09	4005.60	77.20	77.14	0.06	3928.45
SK-1	03/10/09	4005.60	76.96	76.89	0.07	3928.70
SK-1	04/13/09	4005.60	77.08	77.01	0.07	3928.58
SK-1	05/01/09	4005.60	76.93	76.64	0.29	3928.90
SK-1	06/08/09	4005.60	76.90	76.77	0.13	3928.80
SK-1	07/13/09	4005.60	76.98	76.75	0.23	3928.80
SK-1	08/10/09	4005.60	76.97	76.81	0.16	3928.76
SK-1	09/15/09	4005.60	77.10	76.55	0.55	3928.94
SK-1	10/06/09	4005.60	77.24	76.58	0.66	3928.89
SK-1	11/09/09	4005.60	77.51	76.53	0.98	3928.87
SK-1	12/23/09	4005.60	77.40	76.81	0.59	3928.67
SK-1	01/20/10	4005.60	77.52	76.01	1.51	3929.29

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
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Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
SK-1	02/09/10	4005.60	78.82	77.23	1.59	3928.05
SK-1	03/09/10	4005.60	79.35	--	--	3926.25
SK-1	04/12/10	4005.60	77.98	77.76	0.22	3927.80
SK-1	05/24/10	4005.60	77.12	76.74	0.38	3928.78
SK-1	06/14/10	4005.60	77.51	76.95	0.56	3928.54
SK-1	07/20/10	4005.60	77.30	76.75	0.55	3928.74
SK-1	08/11/10	4005.60	77.36	76.81	0.55	3928.68
SK-1	09/21/10	4005.60	77.29	76.73	0.56	3928.76
SK-1	09/28/10	4005.60	77.06	76.84	0.22	3928.72
SK-1	10/20/10	4005.60	77.20	76.80	0.40	3928.72
SK-1	11/08/10	4005.60	77.18	76.75	0.43	3928.76
SK-1	12/07/10	4005.60	77.71	77.18	0.53	3928.31
SK-1	01/18/11	4005.60	78.90	78.17	0.73	3927.28
SK-1	02/08/11	4005.60	NM	NM	NM	NM
SK-1	03/08/11	4005.60	75.85	74.94	0.91	3930.48
SK-1	04/13/11	4005.60	75.86	74.85	1.01	3930.55
SK-1	05/23/11	4005.60	75.75	74.84	0.91	3930.58
SK-1	06/28/11	4005.60	80.10	79.00	1.10	3926.38
SK-1	07/19/11	4005.60	80.19	79.06	1.13	3926.31
SK-1	08/31/11	4005.60	80.50	79.25	1.25	3926.10
SK-1	09/27/11	4005.60	80.46	79.20	1.26	3926.15
SK-1	10/24/11	4005.60	77.73	76.37	1.36	3928.96
SK-1	11/29/11	4005.60	80.15	78.78	1.37	3926.55
SK-1	12/23/11	4005.60	81.36	79.96	1.40	3925.36
SK-1	01/31/12	4005.60	78.25	78.10	0.15	3927.47
SK-1	02/29/12	4005.60	79.77	79.58	0.19	3925.98
SK-1	03/27/12	4005.60	79.50	79.05	0.45	3926.46
SK-1	04/18/12	4005.60	80.10	79.65	0.45	3925.86
SK-1	05/21/12	4005.60	80.40	79.91	0.49	3925.59
SK-1	07/17/12	4005.60	76.51	75.95	0.56	3929.54
SK-1	08/21/12	4005.60	75.36	74.98	0.38	3930.54
SK-1	09/17/12	4005.60	76.03	75.73	0.30	3929.81
SK-1	12/13/12	4005.60	76.27	75.96	0.31	3929.58
SK-1	01/09/13	4005.60	76.36	76.05	0.31	3929.49
SK-1	02/06/13	4005.60	NM	NM	NM	NM
SK-1	03/06/13	4005.60	76.50	76.19	0.31	3929.35
SK-1	05/01/13	4005.60	76.32	76.01	0.31	3929.53
SK-1	06/05/13	4005.60	80.19	79.70	0.49	3925.80
SK-1	07/03/13	4005.60	80.50	79.99	0.51	3925.51
SK-1	07/30/13	4005.60	80.51	80.00	0.51	3925.50
SK-1	08/15/13	4005.60	77.92	77.23	0.69	3928.23
SK-1	10/02/13	4005.6	77.90	77.19	0.71	3928.27

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
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Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
SK-1	12/23/13	4005.60	77.89	76.85	1.04	3928.54
SK-1	01/09/14	4005.60	77.49	76.43	1.06	3928.96
SK-1	02/12/14	4005.60	77.78	76.67	1.11	3928.71
SK-1	03/19/14	4005.60	77.94	76.80	1.14	3928.57
SK-1	04/03/14	4005.60	NM	NM	NM	NM
SK-1	05/07/14	4005.60	77.67	76.45	1.22	3928.91
SK-1	06/05/14	4005.60	76.96	76.67	0.29	3928.87
SK-1	07/01/14	4005.60	77.16	77.13	0.03	3928.46
SK-1	07/22/14	4005.60	77.40	77.24	0.16	3928.33
SK-1	08/05/14	4005.60	77.38	77.22	0.16	3928.35
SK-1	09/04/14	4005.60	77.28	77.10	0.18	3928.46
SK-1	10/02/14	4005.60	77.39	77.19	0.20	3928.37
SK-1	11/06/14	4005.60	77.70	77.44	0.26	3928.11
SK-1	12/04/14	4005.60	77.38	77.14	0.24	3928.41
SK-1	01/15/15	4005.60	77.68	77.45	0.23	3928.10
SK-1	04/21/15	4005.60	77.24	--	--	3928.36
SK-1	05/15/15	4005.60	77.22	--	--	3928.38
SK-1	06/11/15	4005.60	77.28	77.27	0.01	3928.33
SK-1	08/24/15	4005.60	77.39	77.38	0.01	3928.22
SK-1	09/02/15	4005.60	77.51	--	--	3928.09
SK-1	10/05/15	4005.60	77.60	--	--	3928.00
SK-1	11/23/15	4005.60	77.43	--	--	3928.17
SK-1	01/20/16	4005.60	77.22	--	--	3928.38
SK-1	02/16/16	4005.60	77.18	--	--	3928.42
SK-1	03/15/16	4005.60	77.05	--	--	3928.55
SK-1	04/20/16	4005.60	76.96	--	--	3928.64
SK-1	05/18/16	4005.60	77.04	--	--	3928.56
SK-1	06/21/16	4005.60	76.93	76.91	0.02	3928.69
SK-1	08/08/16	4005.60	76.89	76.87	0.02	3928.73
SK-1	08/16/16	4005.60	76.75	76.74	0.01	3928.86
SK-1	09/20/16	4005.60	76.61	76.59	0.02	3929.01
SK-1	10/18/16	4005.60	76.35	76.34	0.01	3929.26
SK-1	12/20/16	4005.60	76.50	76.47	0.03	3929.12
SK-1	01/16/17	4005.60	76.06	76.05	0.01	3929.55
SK-1	04/19/17	4005.60	75.84	75.81	0.03	3929.78
SK-1	05/17/17	4005.60	75.62	75.58	0.04	3930.01
SK-1	08/21/17	4005.60	75.51	75.50	0.01	3930.10

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
SK-2	12/19/02	4004.99	72.89	72.89	0.00	3932.10
SK-2	12/20/02	4004.99	74.08	73.73	0.35	3931.19
SK-2	12/30/02	4004.99	74.01	73.63	0.38	3931.28
SK-2	01/03/03	4004.99	74.42	73.79	0.63	3931.07
SK-2	01/07/03	4004.99	74.72	74.05	0.67	3930.81
SK-2	01/10/03	4004.99	75.38	73.74	1.64	3930.92
SK-2	01/15/03	4004.99	74.32	73.71	0.61	3931.16
SK-2	01/21/03	4004.99	74.53	73.60	0.93	3931.20
SK-2	02/17/03	4004.99	74.19	73.70	0.49	3931.19
SK-2	05/28/03	4004.99	74.54	73.79	0.75	3931.05
SK-2	06/07/04	4004.99	78.94	75.29	3.65	3928.97
SK-2	06/15/04	4004.99	79.21	75.38	3.83	3928.84
SK-2	06/21/04	4004.99	79.03	75.45	3.58	3928.82
SK-2	06/28/04	4004.99	79.63	75.62	4.01	3928.57
SK-2	07/06/04	4004.99	79.46	75.59	3.87	3928.63
SK-2	07/12/04	4004.99	79.61	75.68	3.93	3928.52
SK-2	07/19/04	4004.99	79.28	75.74	3.54	3928.54
SK-2	07/26/04	4004.99	79.63	75.83	3.80	3928.40
SK-2	08/02/04	4004.99	79.37	75.79	3.58	3928.48
SK-2	08/10/04	4004.99	79.59	75.85	3.74	3928.39
SK-2	08/16/04	4004.99	79.48	75.90	3.58	3928.37
SK-2	08/23/04	4004.99	78.97	75.83	3.14	3928.53
SK-2	08/30/04	4004.99	79.52	75.96	3.56	3928.32
SK-2	09/08/04	4004.99	79.62	76.01	3.61	3928.26
SK-2	10/08/04	4004.99	79.41	76.10	3.31	3928.23
SK-2	12/30/04	4004.99	79.14	76.16	2.98	3928.23
SK-2	01/17/05	4004.99	78.16	75.96	2.20	3928.59
SK-2	02/09/05	4004.99	79.31	76.31	3.00	3928.08
SK-2	03/09/05	4004.99	79.24	76.36	2.88	3928.05
SK-2	04/05/05	4004.99	78.57	76.17	2.40	3928.34
SK-2	05/10/05	4004.99	78.55	76.20	2.35	3928.32
SK-2	06/08/05	4004.99	77.68	76.58	1.10	3928.19
SK-2	07/05/05	4004.99	78.06	76.73	1.33	3927.99
SK-2	08/08/05	4004.99	76.63	--	--	3928.36
SK-2	09/14/05	4004.99	77.03	75.91	1.12	3928.86
SK-2	10/12/05	4004.99	76.58	75.77	0.81	3929.06
SK-2	11/09/05	4004.99	76.61	75.61	1.00	3929.18
SK-2	12/14/05	4004.99	76.93	75.76	1.17	3929.00
SK-2	01/12/06	4004.99	75.93	75.34	0.59	3929.53
SK-2	02/02/06	4004.99	76.60	75.64	0.96	3929.16
SK-2	03/07/06	4004.99	77.84	76.07	1.77	3928.57
SK-2	04/05/06	4004.99	78.40	76.26	2.14	3928.30

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
SK-2	05/08/06	4004.99	77.64	77.64	0.00	3927.35
SK-2	06/05/06	4004.99	76.85	76.07	0.78	3928.76
SK-2	07/11/06	4004.99	76.30	75.76	0.54	3929.12
SK-2	08/16/06	4004.99	74.80	--	--	3930.19
SK-2	08/30/06	4004.99	74.77	74.66	0.11	3930.31
SK-2	09/07/06	4004.99	75.64	75.24	0.40	3929.67
SK-2	10/11/06	4004.99	77.51	77.51	0.00	3927.48
SK-2	11/08/06	4004.99	74.99	74.99	0.00	3930.00
SK-2	12/04/06	4004.99	75.46	75.46	0.00	3929.53
SK-2	01/04/07	4004.99	74.79	--	--	3930.20
SK-2	02/27/07	4004.99	75.02	74.93	0.09	3930.04
SK-2	03/20/07	4004.99	75.98	75.72	0.26	3929.22
SK-2	04/17/07	4004.99	76.26	76.00	0.26	3928.94
SK-2	05/07/07	4004.99	75.91	75.64	0.27	3929.30
SK-2	06/27/07	4004.99	75.68	75.44	0.24	3929.50
SK-2	07/19/07	4004.99	75.28	--	--	3929.71
SK-2	08/21/07	4004.99	75.41	75.21	0.20	3929.74
SK-2	09/17/07	4004.99	75.25	75.17	0.08	3929.80
SK-2	10/16/07	4004.99	75.22	75.05	0.17	3929.91
SK-2	11/20/07	4004.99	75.20	75.03	0.17	3929.93
SK-2	12/21/07	4004.99	75.02	74.89	0.13	3930.07
SK-2	01/22/08	4004.99	74.98	74.86	0.12	3930.11
SK-2	02/27/08	4004.99	74.33	74.25	0.08	3930.72
SK-2	03/25/08	4004.99	74.86	74.77	0.09	3930.20
SK-2	04/29/08	4004.99	75.02	74.95	0.07	3930.03
SK-2	05/05/08	4004.99	74.99	74.21	0.78	3930.62
SK-2	06/10/08	4004.99	75.06	74.99	0.07	3929.99
SK-2	07/15/08	4004.99	75.08	75.00	0.08	3929.97
SK-2	08/19/08	4004.99	74.28	74.19	0.09	3930.78
SK-2	09/16/08	4004.99	74.32	74.28	0.04	3930.70
SK-2	10/15/08	4004.99	74.28	74.22	0.06	3930.76
SK-2	11/12/08	4004.99	74.16	74.10	0.06	3930.88
SK-2	12/11/08	4004.99	74.90	74.85	0.05	3930.13
SK-2	01/13/09	4004.99	75.12	75.09	0.03	3929.89
SK-2	02/11/09	4004.99	74.91	74.86	0.05	3930.12
SK-2	03/10/09	4004.99	74.77	74.73	0.04	3930.25
SK-2	04/13/09	4004.99	74.86	74.81	0.05	3930.17
SK-2	05/01/09	4004.99	74.72	74.66	0.06	3930.32
SK-2	06/08/09	4004.99	74.65	74.60	0.05	3930.38
SK-2	07/13/09	4004.99	74.73	74.69	0.04	3930.29
SK-2	08/10/09	4004.99	74.76	74.71	0.05	3930.27
SK-2	09/15/09	4004.99	74.65	74.60	0.05	3930.38

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
SK-2	10/06/09	4004.99	74.61	74.54	0.07	3930.44
SK-2	11/09/09	4004.99	74.91	74.73	0.18	3930.22
SK-2	12/23/09	4004.99	74.74	74.22	0.52	3930.67
SK-2	01/20/10	4004.99	74.86	74.17	0.69	3930.68
SK-2	02/09/10	4004.99	75.86	75.00	0.86	3929.82
SK-2	03/09/10	4004.99	75.70	74.54	1.16	3930.22
SK-2	04/12/10	4004.99	76.47	74.88	1.59	3929.79
SK-2	05/24/10	4004.99	75.17	74.57	0.60	3930.30
SK-2	06/14/10	4004.99	76.66	--	--	3928.33
SK-2	07/20/10	4004.99	75.07	74.81	0.26	3930.13
SK-2	08/11/10	4004.99	75.14	74.82	0.32	3930.11
SK-2	09/21/10	4004.99	75.11	74.69	0.42	3930.22
SK-2	09/28/10	4004.99	75.20	74.88	0.32	3930.05
SK-2	10/20/10	4004.99	75.28	74.97	0.31	3929.96
SK-2	11/08/10	4004.99	75.17	74.78	0.39	3930.13
SK-2	12/07/10	4004.99	75.47	74.97	0.50	3929.92
SK-2	01/18/11	4004.99	76.03	75.21	0.82	3929.62
SK-2	02/08/11	4004.99	NM	NM	NM	NM
SK-2	03/08/11	4004.99	74.43	74.18	0.25	3930.76
SK-2	04/13/11	4004.99	74.25	74.03	0.22	3930.92
SK-2	05/23/11	4004.99	74.02	73.83	0.19	3931.12
SK-2	06/28/11	4004.99	75.53	75.32	0.21	3929.63
SK-2	07/19/11	4004.99	75.57	75.39	0.18	3929.56
SK-2	08/31/11	4004.99	75.75	75.50	0.25	3929.44
SK-2	09/27/11	4004.99	76.01	75.63	0.38	3929.28
SK-2	10/24/11	4004.99	75.91	75.31	0.60	3929.56
SK-2	11/29/11	4004.99	76.85	75.84	1.01	3928.95
SK-2	12/23/11	4004.99	77.28	75.98	1.30	3928.75
SK-2	01/31/12	4004.99	78.76	75.71	3.05	3928.67
SK-2	02/29/12	4004.99	77.07	76.03	1.04	3928.75
SK-2	03/27/12	4004.99	77.07	75.98	1.09	3928.79
SK-2	04/18/12	4004.99	77.19	76.14	1.05	3928.64
SK-2	05/21/12	4004.99	77.51	76.42	1.09	3928.35
SK-2	07/17/12	4004.99	75.57	75.04	0.53	3929.84
SK-2	08/21/12	4004.99	76.22	75.91	0.31	3929.02
SK-2	09/17/12	4004.99	75.10	74.77	0.33	3930.15
SK-2	12/13/12	4004.99	75.19	74.93	0.26	3930.01
SK-2	01/09/13	4004.99	75.39	75.02	0.37	3929.90
SK-2	02/06/13	4004.99	75.45	74.99	0.46	3929.91
SK-2	03/06/13	4004.99	75.62	75.16	0.46	3929.74
SK-2	05/01/13	4004.99	75.36	74.92	0.44	3929.98
SK-2	06/05/13	4004.99	77.05	76.39	0.66	3928.47

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
SK-2	07/03/13	4004.99	76.76	--	--	3928.23
SK-2	07/30/13	4004.99	77.58	76.87	0.71	3927.98
SK-2	08/15/13	4004.99	76.93	76.24	0.69	3928.61
SK-2	10/02/13	4004.99	76.99	76.31	0.68	3928.54
SK-2	12/23/13	4004.99	76.77	75.90	0.87	3928.92
SK-2	01/09/14	4004.99	76.30	75.59	0.71	3929.26
SK-2	02/12/14	4004.99	76.55	75.77	0.78	3929.06
SK-2	03/19/14	4004.99	76.71	75.86	0.85	3928.96
SK-2	04/03/14	4004.99	NM	NM	NM	NM
SK-2	05/07/14	4004.99	76.29	75.63	0.66	3929.23
SK-2	06/05/14	4004.99	76.40	75.73	0.67	3929.13
SK-2	07/01/14	4004.99	76.62	75.90	0.72	3928.95
SK-2	07/22/14	4004.99	76.89	75.99	0.90	3928.82
SK-2	08/05/14	4004.99	76.89	76.04	0.85	3928.78
SK-2	09/04/14	4004.99	76.68	76.13	0.55	3928.75
SK-2	10/02/14	4004.99	76.74	76.23	0.51	3928.66
SK-2	11/06/14	4004.99	77.07	76.59	0.48	3928.30
SK-2	12/04/14	4004.99	76.47	76.40	0.07	3928.58
SK-2	01/15/15	4004.99	76.69	76.65	0.04	3928.33
SK-2	04/21/15	4004.99	76.39	76.37	0.02	3928.62
SK-2	05/15/15	4004.99	76.39	76.35	0.04	3928.63
SK-2	06/11/15	4004.99	76.40	76.37	0.03	3928.61
SK-2	08/24/15	4004.99	76.50	76.46	0.04	3928.52
SK-2	09/02/15	4004.99	76.59	76.54	0.05	3928.44
SK-2	10/05/15	4004.99	76.71	76.65	0.06	3928.33
SK-2	11/23/15	4004.99	76.57	76.52	0.05	3928.46
SK-2	01/20/16	4004.99	76.30	76.26	0.04	3928.72
SK-2	02/16/16	4004.99	76.35	76.31	0.04	3928.67
SK-2	03/15/16	4004.99	76.28	--	--	3928.71
SK-2	04/20/16	4004.99	76.14	76.13	0.01	3928.86
SK-2	05/18/16	4004.99	76.51	76.15	0.36	3928.77
SK-2	06/21/16	4004.99	76.73	76.07	0.66	3928.79
SK-2	08/08/16	4004.99	76.15	75.51	0.64	3929.35
SK-2	08/16/16	4004.99	76.49	75.95	0.54	3928.93
SK-2	09/20/16	4004.99	76.23	75.79	0.44	3929.11
SK-2	10/18/16	4004.99	76.00	75.39	0.61	3929.48
SK-2	12/20/16	4004.99	76.09	75.53	0.56	3929.35

Historical Groundwater Elevation Data
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to Water (ft-btoc)	Depth to LNAPL (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
SK-2	01/16/17	4004.99	75.73	75.15	0.58	3929.72
SK-2	04/19/17	4004.99	75.43	74.86	0.57	3930.02
SK-2	05/17/17	4004.99	75.26	74.65	0.61	3930.22
SK-2	08/21/17	4004.99	75.18	74.52	0.66	3930.34

Notes:

LNAPL = Light non-aqueous phase liquid
Corrected groundwater elevation calculated using an assumed specific gravity value of 0.8 for LNAPL.
DRY = fluids not detected
NM = not measured
-- = not detected
Monitoring wells MW-6, MW-7, MW-12, MW-20, SK-1, and SK-2 were re-surveyed for location and elevation of top of casing on 12/21/07.
Monitoring wells MW-21, MW-22, and MW-23 were surveyed for location and elevation of top of casing on 08/25/2015

Table 3

Groundwater Analytical Results Summary - BTEX and Inorganics
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	Chloride (mg/L)	Nitrate as N (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
NMWQCC Groundwater Quality Standards		**0.010**	**0.75**	**0.75**	**0.62**	**250**	**10**	**600**	**1000**
MW-2	08/22/17	**57.8**	**13.0**	0.694	<1.50	**614**	<0.10	2.0	**2550**
MW-3	08/22/17	**1.73**	**0.04**	0.0899	<0.0750	**823**	<0.10	7.4	**2330**
MW-5	08/22/17	<0.0100	<0.0100	<0.0100	<0.0300	**635**	<0.10	3.8	**2140**
MW-8	08/22/17	**10.00**	0.319	0.301	0.195	**632**	<0.10	<1	**2270**
MW-10	08/22/17	<0.0010	<0.0010	<0.0010	<0.0030	**2340**	2.6	286	**6880**
Duplicate	08/22/17	<0.0010	<0.0010	<0.0010	<0.0030	**2330**	1.8	282	**7230**
MW-11	08/22/17	<0.0010	<0.0010	<0.0010	<0.0030	**492**	4.5	107	**1800**
MW-13	08/22/17	<0.0010	<0.0010	<0.0010	<0.0030	200	**15.9**	251	**1040**
MW-15	08/22/17	<0.0010	<0.0010	<0.0010	<0.0030	139	<0.10	66.1	575
MW-16	08/22/17	<0.0010	<0.0010	<0.0010	<0.0030	179	<0.10	40.0	746
MW-17	08/22/17	<0.0010	<0.0010	<0.0010	<0.0030	**568**	<0.10	237	**1790**
MW-21	08/22/17	<0.0010	<0.0010	<0.0010	<0.0030	**1220**	<0.10	220	**3410**

Table 3

Groundwater Analytical Results Summary - BTEX and Inorganics
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	Chloride (mg/L)	Nitrate as N (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
NMWQCC Groundwater Quality Standards		**0.010**	**0.75**	**0.75**	**0.62**	**250**	**10**	**600**	**1000**
MW-24	08/22/17	**0.0470**	<0.0010	0.0035	0.0305	**399**	<0.10	4	**1500**
Duplicate	08/22/17	**0.0523**	<0.0010	0.0038	0.0337	**387**	<0.10	3.7	**1540**

Notes:
mg/L = miligrams per liter
N = Nitrogen
NMWQCC = New Mexico Water Quality Control Commission
< = analyte was not detected at or above the reported detection limit
ND = analyte was not detected at or above the reported detection limit
J = indicates estimated value
Shaded/bolded values exceed their respective NMWQCC Standard for Groundwater
Duplicate = duplicate sample

Historical Groundwater Analytical Results - BTEX
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)
NMWQCC Groundwater Quality Standards		**0.010**	**0.75**	**0.75**	**0.62**
WW	05/08/07	ND	ND	ND	ND
WW	05/06/08	ND	ND	ND	ND
WW	05/05/09	ND	ND	ND	ND
WW	05/25/10	ND	ND	ND	ND
WW	05/24/11	<0.002	<0.002	<0.002	<0.006
WW	10/25/11	<0.001	<0.0046	<0.001	<0.003
WW	07/18/12	<0.001	<0.001	<0.001	<0.003
WW	08/01/13	<0.001	<0.001	<0.001	<0.003
WW	07/23/14	<0.001	<0.001	<0.001	<0.003
WW Duplicate	07/23/14	<0.001	<0.001	<0.001	<0.003
WW	08/10/16	**0.074J**	<0.001	<0.001	<0.003
MW-1	08/05/13	**10.6**	<0.02	0.463	0.357
MW-1	07/23/14	**9.47**	<0.001	0.323	0.161
MW-1	08/26/15	**13.50**	0.070	0.630	0.400
MW-2	05/10/07	**54.0**	**12.0**	ND	ND
MW-2	05/06/08	**49.0**	**12.0**	**570.57**	0.42 J
MW-2	05/05/09	**48.0**	**12.0**	0.6 J	0.48 J
MW-2	05/25/10	**49.0**	**13.0**	0.64	0.44
MW-2	05/24/11	**51.3**	**12.9**	0.679	0.571
MW-2	10/25/11	**49.4**	**11.8**	**1.11**	<0.003
MW-2	07/18/12	**48.1**	**11.9**	0.741	<1.5
MW-2	08/05/13	**52.5**	**12.9**	**0.929**	**0.659**
MW-2	07/23/14	**43.3**	**10.8**	**0.807**	0.546
MW-2	08/26/15	**49.7**	**12.2**	0.710	ND
MW-2	08/10/16	**43.4**	**66.6**	.266J	<1.5
MW-2	08/22/17	**57.8**	**13.0**	0.694	<1.50
MW-3	07/18/12	**17.1**	**1.9**	0.338	0.278
MW-3	08/01/13	**8.61**	**1.21**	0.345	0.309
MW-3	08/26/15	**45.20**	**4.00**	0.620	0.570
MW-3	08/10/16	**37.50**	**1.91**	.221J	<1.5
MW-3	08/22/17	**1.73**	**0.04**	0.0899	<0.0750
MW-4	05/08/07	0.0077	ND	0.036	0.045
MW-4	05/06/08	**0.10**	ND	0.047	0.049
MW-4	05/05/09	**0.15**	ND	0.043	0.039
MW-4	05/25/10	**0.084**	ND	0.045	0.0418
MW-4	05/24/11	**0.0475**	<0.002	0.0601	0.0417
MW-4	10/25/11	**0.0345**	<0.001	0.050	0.0136
MW-4 Duplicate	10/25/11	**0.0438**	<0.001	0.0619	0.0175
MW-4	07/18/12	**0.038**	<0.0001	0.0596	0.0205

Historical Groundwater Analytical Results - BTEX
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)
NMWQCC Groundwater Quality Standards		**0.010**	**0.75**	**0.75**	**0.62**
MW-4	08/02/13	**0.0295**	<0.001	0.0388	0.0117
MW-4	07/23/14	**0.0495**	<0.001	0.0891	0.0188
MW-4	08/26/15	**0.0580**	<0.0010	0.0790	0.0260
MW-5	05/06/08	**0.088**	0.04	0.017	0.018
MW-5	05/05/09	**0.032**	0.017	0.045	0.029
MW-5	05/25/10	0.0034	0.0012	0.029	0.016
MW-5	05/24/11	0.0013	0.00044	0.0696	0.0679
MW-5	08/05/13	<0.001	<0.001	0.0229	0.0145
MW-5	07/23/14	<0.001	<0.001	0.0125	0.0065
MW-5	08/10/16	0.0005J	0.00018J	0.0098J	<0.003
MW-5	08/22/17	<0.0100	<0.0100	<0.0100	<0.0300
MW-6	05/08/07	**12.0**	0.26	0.26	ND
MW-6 Duplicate	05/08/07	**11.0**	0.71	0.27	0.19
MW-6	05/06/08	**12.0**	0.20	0.25 J	0.114
MW-6 Duplicate	05/06/08	**11.0**	0.20	0.25 J	0.11
MW-6	05/05/09	**12.0**	0.65	0.2 J	0.122
MW-6 Duplicate	05/05/09	**12.0**	0.65	0.19 J	0.115
MW-6	05/25/10	**11.0**	0.65	0.18	0.10
MW-6 Duplicate	05/25/10	**10.0**	0.59	0.17	0.096
MW-6	05/24/11	**7.65**	0.483	0.268	0.182
MW-6 Duplicate	05/24/11	**11.10**	0.649	0.283	0.2
MW-6	10/25/11	**0.808**	0.203	0.234	0.174
MW-7	05/08/07	**29.0**	**4.8**	0.53	**0.64**
MW-7	05/05/09	**21.0**	**2.6**	0.74 J	0.88 J
MW-8	07/18/12	**16.2**	**1.96**	0.462	0.431
MW-8	08/01/13	**8.62**	0.514	0.402	0.323
MW-8	08/10/16	**5.56**	0.235	0.192	0.224
MW-8	08/22/17	**10.00**	0.319	0.301	0.195
MW-9	07/18/12	**15.6**	<0.05	**0.957**	**1.19**
MW-9	08/05/13	**15.9**	0.029	**1.49**	**1.93**
MW-9 Duplicate	08/05/13	**15.9**	0.0688	**1.63**	**2.09**

Table 4

Historical Groundwater Analytical Results - BTEX
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)
NMWQCC Groundwater Quality Standards		**0.010**	**0.75**	**0.75**	**0.62**
MW-10	05/08/07	ND	ND	ND	ND
MW-10	05/06/08	ND	ND	ND	ND
MW-10	05/05/09	ND	ND	ND	ND
MW-10	05/25/10	ND	ND	ND	ND
MW-10	05/24/11	<0.002	<0.002	<0.002	<0.006
MW-10	10/25/11	<0.001	<0.001	<0.001	<0.003
MW-10	07/18/12	<0.001	<0.001	<0.001	<0.003
MW-10	08/01/13	<0.001	<0.001	<0.001	<0.003
MW-10	07/23/14	<0.001	<0.001	<0.001	<0.003
MW-10	08/26/15	<0.0010	<0.0010	<0.0010	<0.0030
MW-10	08/10/16	0.00032J	<0.0010	<0.0010	<0.0030
MW-10	08/22/17	<0.0010	<0.0010	<0.0010	<0.0030
Duplicate	08/22/17	<0.0010	<0.0010	<0.0010	<0.0030
MW-11	05/08/07	ND	ND	ND	ND
MW-11	05/06/08	0.009	ND	ND	ND
MW-11	05/05/09	**0.02**	ND	ND	ND
MW-11	05/25/10	**0.039**	ND	ND	ND
MW-11	05/24/11	**0.0912**	<0.002	<0.002	<0.006
MW-11	10/25/11	<0.001	<0.001	<0.001	<0.003
Duplicate	10/25/11	<0.001	<0.001	<0.001	<0.003
MW-11	07/18/12	<0.001	<0.001	<0.001	<0.003
MW-11	08/02/13	0.0056	<0.001	<0.001	<0.003
MW-11	07/23/14	<0.001	<0.001	<0.001	<0.003
MW-11	08/26/15	<0.0010	<0.0010	<0.0010	<0.0030
MW-11	08/10/16	0.000079J	<0.0010	<0.0010	<0.0030
MW-11	08/22/17	<0.0010	<0.0010	<0.0010	<0.0030
MW-12	05/08/07	ND	ND	ND	ND
Duplicate	05/08/07	ND	ND	ND	ND
MW-12	05/06/08	ND	ND	ND	ND
MW-12 Duplicate	05/06/08	ND	ND	ND	ND
MW-12	05/05/09	ND	ND	ND	ND
MW-12 Duplicate	05/05/09	ND	ND	ND	ND
MW-12	05/25/10	ND	ND	ND	ND
MW-12 Duplicate	05/25/10	ND	ND	ND	ND
MW-12	05/24/11	<0.002	<0.002	<0.002	<0.006
MW-12 Duplicate	05/24/11	<0.002	<0.002	<0.002	<0.006
MW-12	10/25/11	<0.001	<0.001	<0.001	<0.003

Historical Groundwater Analytical Results - BTEX
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)
NMWQCC Groundwater Quality Standards		**0.010**	**0.75**	**0.75**	**0.62**
MW-12	07/18/12	<0.001	<0.001	<0.001	<0.003
MW-12	08/01/13	<0.001	<0.001	<0.001	<0.003
MW-12	07/23/14	<0.001	<0.001	<0.001	<0.003
MW-13	05/08/07	ND	ND	ND	ND
MW-13	05/06/08	ND	ND	ND	ND
MW-13	05/05/09	ND	ND	ND	ND
MW-13	05/25/10	ND	ND	ND	ND
MW-13	05/24/11	<0.002	<0.002	<0.002	<0.006
MW-13	10/25/11	<0.001	<0.001	<0.001	<0.003
MW-13	07/18/12	<0.001	<0.001	<0.001	<0.003
MW-13	08/01/13	<0.001	<0.001	<0.001	<0.003
MW-13	07/23/14	<0.001	<0.001	<0.001	<0.003
MW-13	08/26/15	<0.0010	<0.0010	<0.0010	<0.0030
MW-13	08/10/16	<0.0010	<0.0010	<0.0010	<0.0030
MW-13	08/22/17	<0.0010	<0.0010	<0.0010	<0.0030
MW-14	05/08/07	ND	ND	ND	ND
MW-14	05/06/08	ND	ND	ND	ND
MW-14	05/05/09	ND	ND	ND	ND
MW-14	05/25/10	ND	ND	ND	ND
MW-14	05/24/11	<0.002	<0.002	<0.002	<0.006
MW-14	10/25/11	<0.001	<0.001	<0.001	<0.003
MW-14	07/18/12	<0.001	<0.001	<0.001	<0.003
MW-14	08/01/13	<0.001	<0.001	<0.001	<0.003
MW-14 Duplicate	08/01/13	<0.001	<0.001	<0.001	<0.003
MW-14	07/23/14	<0.001	<0.001	<0.001	<0.003
MW-14 Duplicate	07/23/14	<0.001	<0.001	<0.001	<0.003
MW-15	05/08/07	ND	ND	ND	ND
MW-15	05/06/08	ND	ND	ND	ND
MW-15	05/05/09	ND	ND	ND	ND
MW-15	05/25/10	ND	ND	ND	ND
MW-15	05/24/11	<0.002	<0.002	<0.002	<0.006
MW-15	10/25/11	<0.001	<0.001	<0.001	<0.003
MW-15	07/18/12	<0.001	<0.001	<0.001	<0.003
MW-15	07/31/13	<0.001	<0.001	<0.001	<0.003
MW-15	07/23/14	<0.001	<0.001	<0.001	<0.003
MW-15	08/26/15	<0.001	<0.001	<0.001	<0.003
MW-15	08/10/16	0.000066J	<0.001	<0.001	<0.003
MW-15	08/22/17	<0.0010	<0.0010	<0.0010	<0.0030

Historical Groundwater Analytical Results - BTEX
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)
NMWQCC Groundwater Quality Standards		**0.010**	**0.75**	**0.75**	**0.62**
MW-16	05/08/07	ND	ND	ND	ND
MW-16	05/06/08	ND	ND	ND	ND
MW-16	05/05/09	ND	ND	ND	ND
MW-16	05/25/10	ND	ND	ND	ND
MW-16	05/24/11	<0.002	<0.002	<0.002	<0.006
MW-16	10/25/11	0.0018	0.0011	<0.001	<0.003
MW-16	07/18/12	<0.001	<0.001	<0.001	<0.003
MW-16	07/31/13	<0.001	<0.001	<0.001	<0.003
MW-16	07/23/14	<0.001	<0.001	<0.001	<0.003
MW-16	08/26/15	<0.001	<0.001	<0.001	<0.003
MW-16	08/10/16	0.00034J	0.00025J	<0.001	<0.003
MW-16	08/22/17	<0.0010	<0.0010	<0.0010	<0.0030
MW-17	05/08/07	ND	ND	ND	ND
MW-17	05/06/08	ND	ND	ND	ND
MW-17	05/05/09	ND	ND	ND	ND
MW-17	05/25/10	ND	ND	ND	ND
MW-17	05/24/11	<0.002	<0.002	<0.002	<0.006
MW-17	10/25/11	<0.001	<0.001	<0.001	<0.003
MW-17	07/18/12	<0.001	<0.001	<0.001	<0.003
MW-17	07/31/13	<0.001	<0.001	<0.001	<0.003
MW-17	07/23/14	<0.001	<0.001	<0.001	<0.003
MW-17	08/26/15	<0.001	<0.001	<0.001	<0.003
MW-17	08/10/16	0.000097J	<0.001	<0.001	<0.003
MW-17	08/22/17	<0.0010	<0.0010	<0.0010	<0.0030
MW-18	05/08/07	ND	ND	ND	ND
MW-18	05/06/08	ND	ND	ND	ND
MW-18	05/05/09	ND	ND	ND	ND
MW-18	05/25/10	ND	ND	ND	ND
MW-18	05/24/11	<0.002	<0.002	<0.002	<0.006
MW-18	10/25/11	<0.001	<0.001	<0.001	<0.003
MW-18	07/18/12	<0.001	<0.001	<0.001	<0.003
MW-18	07/31/13	<0.001	<0.001	<0.001	<0.003
MW-18	07/23/14	<0.001	<0.001	<0.001	<0.003
MW-19	05/08/07	ND	ND	ND	ND
MW-19	05/06/08	ND	ND	ND	ND
MW-19	05/05/09	ND	ND	ND	ND
MW-19	05/25/10	ND	ND	ND	ND
MW-19	05/24/11	<0.002	<0.002	<0.002	<0.006
MW-19	10/25/11	<0.001	<0.001	<0.001	<0.003
MW-19	07/18/12	<0.001	<0.001	<0.001	<0.003

Historical Groundwater Analytical Results - BTEX
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)
NMWQCC Groundwater Quality Standards		**0.010**	**0.75**	**0.75**	**0.62**
MW-19	08/01/13	<0.001	<0.001	<0.001	<0.003
MW-19	07/23/14	<0.001	<0.001	<0.001	<0.003
MW-20	05/06/08	ND	ND	ND	ND
MW-20	05/05/09	ND	ND	ND	ND
MW-20	05/25/10	ND	ND	ND	ND
MW-20	05/24/11	<0.002	<0.002	<0.002	<0.006
MW-20	10/25/11	<0.001	<0.001	<0.001	<0.003
MW-20	07/18/12	<0.001	<0.001	<0.001	<0.003
MW-20	07/31/13	<0.001	<0.001	<0.001	<0.003
MW-20	07/23/14	<0.001	<0.001	<0.001	<0.003
MW-21	07/23/14	<0.001	<0.001	<0.001	<0.003
MW-21	08/26/15	<0.001	<0.001	<0.001	<0.003
MW-21	08/10/16	<0.001	<0.001	<0.001	<0.003
MW-21	08/22/17	<0.0010	<0.0010	<0.0010	<0.0030
MW-22	07/15/15	ND	ND	ND	ND
MW-22	08/26/15	<0.001	<0.001	<0.001	<0.003
MW-22 Duplicate	08/26/15	<0.001	<0.001	<0.001	<0.003
MW-22	08/10/16	0.000080J	<0.001	<0.001	<0.003
MW-23	07/14/15	ND	ND	ND	ND
MW-23	08/26/15	<0.001	<0.001	<0.001	<0.003
MW-23	08/10/16	0.00026J	<0.001	<0.001	<0.003
MW-24	08/22/17	**0.0470**	<0.0010	0.0035	0.0305
DUP2	08/22/17	**0.0523**	<0.0010	0.0038	0.0337

Notes:

mg/L = miligrams per liter
NMWQCC = New Mexico Water Quality Control Commission
< = analyte was not detected at or above the reported detection limit
ND = non detect
J = indicates estimated value
Shaded/bolded values exceed their respective NMWQCC Standard for Groundwater
Duplicate = duplicate sample

Table 5

Historical Groundwater Analytical Results - Inorganics
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Carbonate Alkalinity (mg/L)	Bicarbonate Alkalinity (mg/L)	Total Alkalinity (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Nitrate as N (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
NMWQCC Groundwater Quality Standards		**NE**	**NE**	**NE**	**NE**	**250**	**10**	**600**	**1000**
WW	05/08/07	ND	205	205	3	**489**	ND	152	**2260**
WW	05/06/08	ND	187	187	ND	**475**	ND	144	**2130**
WW	05/05/09	ND	172	172	ND	**387**	0.509	106	**1530**
WW	05/25/10	ND	204	204	ND	**473**	ND	149	**58800**
WW	05/24/11	<5	112	112	2.6	**486**	<0.5	127	**1300**
WW	10/25/11	<20	160	160	2.7	**509**	<0.5	94.9	**1280**
WW	07/18/12	<20	141	141	3.0	**451**	<0.1	139	**1250**
WW	08/01/13	<20	206	206	2.6	**416**	<0.1	143	**1320**
WW	07/23/14	NA	NA	NA	2.8	**435**	NA	146	**1260**
WW Duplicate	07/23/14	NA	NA	NA	2.7	**430**	NA	147	**1310**
WW	08/10/16	NA	NA	NA	NA	**536**	0.014J	95.1	**1760**
MW-1	08/05/13	<20	248	248	2.3	**616**	<0.1	12.2	**1940**
MW-1	07/23/14	NA	NA	NA	2.3	**675**	NA	3.6	**1980**
MW-1	08/26/15	NA	NA	NA	NA	**564**	ND	1.5	**3120**
MW-2	05/08/07	ND	321	321	3.3	**312**	ND	10.7	**1580**
MW-2	05/06/08	ND	308	308	4.55	**633**	ND	4.53	**2710**
MW-2	05/05/09	ND	121	121	ND	**733**	0.769	3.48	**2970**
MW-2	05/25/10	ND	313	313	4.85	**563**	ND	1.34	**2090**
MW-2	05/24/11	<5	322	322	3.9	**563**	<0.5	5.3	**1740**
MW-2	10/25/11	<20	560	560	3.6	**528**	<0.5	5.4	**1640**
MW-2	07/18/12	<20	606	606	7.8	**461**	<0.1	2.8	**1620**
MW-2	08/05/13	<20	303	303	3.6	**444**	<0.1	6.0	**1690**
MW-2	07/23/14	NA	NA	NA	3.3	**454**	NA	1.1	**1810**
MW-2	08/26/15	NA	NA	NA	NA	**443**	ND	1.5	**2580**
MW-2	08/10/16	NA	NA	NA	NA	**606**	<0.10	1.7	**2110**
MW-2	08/22/17	NA	NA	NA	NA	**614**	<0.10	2.0	**2550**

Table 5

Historical Groundwater Analytical Results - Inorganics
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Carbonate Alkalinity (mg/L)	Bicarbonate Alkalinity (mg/L)	Total Alkalinity (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Nitrate as N (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
NMWQCC Groundwater Quality Standards		**NE**	**NE**	**NE**	**NE**	**250**	**10**	**600**	**1000**
MW-3	07/18/12	<20	357	357	7.5	**672**	<0.1	29.2	**2300**
MW-3	08/01/13	<20	376	376	3.1	**686**	<0.1	25.0	**2750**
MW-3	08/26/15	NA	NA	NA	NA	**850**	ND	3.0	**4770**
MW-3	08/10/16	NA	NA	NA	NA	**888**	<0.10	3.2	**3610**
MW-3	08/22/17	NA	NA	NA	NA	**823**	<0.10	7.4	**2330**
MW-4	05/08/07	ND	174	174	2.3	**415**	ND	ND	**1240**
MW-4	05/06/08	ND	174	174	ND	**425**	ND	ND	**1660**
MW-4	05/05/09	ND	355	355	ND	**409**	ND	0.778	**2150**
MW-4	05/25/10	ND	161	161	2.34	**437**	ND	ND	**4550**
MW-4	05/24/11	<5	164	164	2.2	**624**	<0.5	3.2	**1410**
MW-4	10/25/11	<20	184	184	2.4	**515**	<0.5	<20	**1300**
MW-4 Duplicate	10/25/11	<20	192	192	2.4	**522**	<0.5	<20	**1380**
MW-4	07/18/12	<20	173	173	4.3	**507**	<0.1	<1	**1510**
MW-4	08/02/13	<20	180	180	2.8	**510**	<0.1	<1	**1740**
MW-4	07/23/14	NA	NA	NA	2.5	**515**	NA	<1	**1690**
MW-4	08/26/15	NA	NA	NA	NA	**479**	ND	ND	**2320**
MW-5	05/06/08	ND	417	417	ND	**333**	ND	21.3	**1430**
MW-5	05/05/09	ND	504	504	ND	**336**	ND	7.27	**1360**
MW-5	05/25/10	ND	474	474	1.37	**501**	ND	10.9	**1640**
MW-5	05/24/11	<5	443	444	1.2	**499**	<0.5	4.1	**1520**
MW-5	08/05/13	<20	454	454	1.5	**545**	<0.1	2.8	**1660**
MW-5	07/23/14	NA	NA	NA	1.0	**445**	NA	1.6	**1460**
MW-5	08/10/16	NA	NA	NA	1.0	**525**	<0.10	5.9	**1670**
MW-5	08/22/17	NA	NA	NA	NA	**635**	<0.10	3.8	**2140**

Table 5

Historical Groundwater Analytical Results - Inorganics
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Carbonate Alkalinity (mg/L)	Bicarbonate Alkalinity (mg/L)	Total Alkalinity (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Nitrate as N (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
NMWQCC Groundwater Quality Standards		**NE**	**NE**	**NE**	**NE**	**250**	**10**	**600**	**1000**
MW-6	05/08/07	ND	230	230	2.4	**527**	ND	19.7	**1370**
MW-6 Duplicate	05/08/07	ND	227	227	2.4	**416**	ND	17.2	**1270**
MW-6	05/06/08	ND	218	218	ND	**616**	ND	25.5	**2870**
MW-6 Duplicate	05/06/08	ND	219	219	ND	**660**	ND	20.6	**4390**
MW-6	05/05/09	ND	241	241	ND	**537**	ND	ND	**2280**
MW-6 Duplicate	05/05/09	ND	237	237	ND	**557**	ND	ND	**2230**
MW-6	05/25/10	ND	230	230	1.99	**480**	ND	40.7	**2330**
MW-6 Duplicate	05/25/10	ND	225	225	ND	**513**	ND	34.2	**1940**
MW-6	05/24/11	<5	203	204	1.9	**531**	<0.5	33.7	**1460**
MW-6 Duplicate	05/24/11	<5	211	212	1.9	**549**	<0.5	43.7	**1380**
MW-6	10/25/11	<20	212	212	2.7	**791**	<0.5	36.9	**1960**
MW-7	05/08/07	ND	245	245	2.5	**537**	ND	1.8	**1330**
MW-7	05/05/09	ND	209	209	ND	**915**	ND	0.511	**3190**
MW-8	07/18/12	<20	188	188	5.3	**522**	<0.1	2.8	**1590**
MW-8	08/01/13	<20	217	217	2.9	**505**	<0.1	<1	**2240**
MW-8	08/10/16	NA	NA	NA	NA	**616**	<0.10	0.69J	**2370**
MW-8	08/22/17	NA	NA	NA	NA	**632**	<0.10	<1	**2270**
MW-9	07/18/12	<20	431	431	2.4	64.9	<0.1	12.1	617
MW-9	08/05/13	<20	431	431	<1	67.7	1.7	10.3	647
MW-9 Duplicate	08/05/13	<20	451	451	<1	66.9	<0.1	7.2	627

Table 5

Historical Groundwater Analytical Results - Inorganics
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Carbonate Alkalinity (mg/L)	Bicarbonate Alkalinity (mg/L)	Total Alkalinity (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Nitrate as N (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
NMWQCC Groundwater Quality Standards		**NE**	**NE**	**NE**	**NE**	**250**	**10**	**600**	**1000**
MW-10	05/08/07	ND	175	175	5.3	**4260**	4.3	436	**8400**
MW-10	05/06/08	ND	150	150	14.4	**2520**	4.16	398	**6880**
MW-10	05/05/09	ND	209	209	ND	**915**	ND	0.511	**3190**
MW-10	05/25/10	ND	168	168	4.49	**4010**	4.56	353	**8200**
MW-10	05/24/11	<5	168	168	8.8	**10500**	5.60	**634**	**19600**
MW-10	10/25/11	<20	300	300	5.1	**2880**	3	369	**6480**
MW-10	07/18/12	<20	239	239	11.5	**2750**	2.9	335	**6960**
MW-10	08/01/13	<20	210	210	2.8	**2700**	3.2	307	**9680**
MW-10	07/23/14	NA	NA	NA	<10	**2530**	NA	307	**7560**
MW-10	08/26/15	NA	NA	NA	NA	**2600**	2.5	267	**22000**
MW-10	08/10/16	NA	NA	NA	NA	**7870**	7.2	585	**16500**
MW-10	08/22/17	NA	NA	NA	NA	**2340**	2.6	286	**6880**
Duplicate	08/22/17	NA	NA	NA	NA	**2330**	1.8	282	**7230**
MW-11	05/08/07	ND	197	197	4.6	**3570**	ND	440	**7400**
MW-11	05/06/08	ND	168	168	8.18	**1560**	ND	163	**4140**
MW-11	05/05/09	ND	162	162	6.82	**1140**	ND	149	**3430**
MW-11	05/25/10	ND	139	139	ND	**1010**	ND	142	**3630**
MW-11	05/24/11	<5	149	149	2.6	**811**	3.6	99.9	**2510**
MW-11	10/25/11	<20	220	220	2.7	**715**	4.9	90.9	**1790**
MW-11 Duplicate	10/25/11	<5	208	208	2.5	**659**	6.1	84.6	**1910**
MW-11	07/18/12	<20	144	144	4.1	**560**	7.3	55.3	**1780**
MW-11	08/02/13	<20	198	198	4.4	**801**	4.7	98.1	**2640**
MW-11	07/23/14	NA	NA	NA	2.3	**532**	NA	50.4	**1760**
MW-11	08/26/15	NA	NA	NA	NA	**543**	6.2	60.5	**3530**
MW-11	08/10/16	NA	NA	NA	NA	**721**	1.5	103	**2950**
MW-11	08/22/17	NA	NA	NA	NA	**492**	4.5	107	**1800**

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Historical Groundwater Analytical Results - Inorganics
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Carbonate Alkalinity (mg/L)	Bicarbonate Alkalinity (mg/L)	Total Alkalinity (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Nitrate as N (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
NMWQCC Groundwater Quality Standards		**NE**	**NE**	**NE**	**NE**	**250**	**10**	**600**	**1000**
MW-12	05/08/07	ND	79.8	79.8	19.2	**61700**	ND	**1,690**	**107000**
MW-12 Duplicate	05/08/07	ND	79.9	79.9	19.2	**50200**	ND	**1,630**	**104000**
MW-12	05/06/08	ND	97	97	ND	**48600**	ND	**1,600**	**88500**
MW-12 Duplicate	05/06/08	ND	97	97	ND	**45100**	ND	**1,610**	**84300**
MW-12	05/05/09	ND	101	101	ND	**35300**	1.79	**1,140**	**71200**
MW-12 Duplicate	05/05/09	ND	116	116	ND	**31400**	1.94	**1,180**	**69800**
MW-12	05/25/10	ND	106	106	ND	**59300**	ND	**1,210**	**7200**
MW-12 Duplicate	05/25/10	ND	108	108	ND	**47700**	ND	**1,450**	**79000**
MW-12	05/24/11	<20	114	114	9.7	**45500**	2.2	**1,170**	**66400**
MW-12 Duplicate	05/24/11	<5	105	105	10.2	**46600**	**2**	**1,350**	**75500**
MW-12	10/25/11	<20	138	138	<1	**32200**	3.0	**1,020**	**55900**
MW-12	07/18/12	<20	122	122	32.6	**25000**	3.3	**716**	**57200**
MW-12	08/01/13	<20	163	163	<50	**21400**	3.6	**731**	**47000**
MW-12	07/23/14	NA	NA	NA	<50	**38500**	NA	**1,680**	**72200**
MW-13	05/08/07	ND	209	209	0.9	217	**16.0**	249	**1160**
MW-13	05/06/08	ND	201	201	ND	192	**11.9**	234	**1270**
MW-13	05/05/09	ND	204	204	1.32	212	**15.9**	236	**1400**
MW-13	05/25/10	ND	196	196	1.42	214	**17.8**	276	**1500**
MW-13	05/24/11	<5	217	218	1.4	235	**15.0**	267	**1120**
MW-13	10/25/11	<20	765	765	1.3	233	**18.1**	253	**1090**
MW-13	07/18/12	<20	340	340	2.4	230	**15.2**	239	**1240**
MW-13	08/01/13	<20	243	243	1.7	221	**15.7**	232	**1420**
MW-13	07/23/14	NA	NA	NA	1.7	206	NA	284	**1160**
MW-13	08/26/15	NA	NA	NA	NA	203	**13.6**	286	**1940**
MW-13	08/10/16	NA	NA	NA	NA	198	3.2	314	**1270**
MW-13	08/22/17	NA	NA	NA	NA	200	**15.9**	251	**1040**

Table 5

Historical Groundwater Analytical Results - Inorganics
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Carbonate Alkalinity (mg/L)	Bicarbonate Alkalinity (mg/L)	Total Alkalinity (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Nitrate as N (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
NMWQCC Groundwater Quality Standards		**NE**	**NE**	**NE**	**NE**	**250**	**10**	**600**	**1000**
MW-14	05/08/07	ND	203	203	7.1	**1000**	**10.7**	**1,010**	**4990**
MW-14	05/06/08	ND	208	208	8.04	**658**	**10.1**	**904**	**3760**
MW-14	05/05/09	ND	230	230	6.05	**576**	**11.8**	**774**	**3740**
MW-14	05/25/10	ND	263	263	4.96	**566**	**13.7**	**1,030**	**2430**
MW-14	05/24/11	<5	276	276	4.2	**527**	**16.0**	**1,110**	**2980**
MW-14	10/25/11	<20	390	390	3.4	**408**	**20.0**	**848**	**2350**
MW-14	07/18/12	<20	314	314	1.1	**382**	**16.0**	**812**	**2430**
MW-14	08/01/13	<20	293	293	3.0	**333**	**19.6**	**863**	**2150**
MW-14 Duplicate	08/01/13	<20	289	289	3.0	**359**	**20.8**	**946**	**2170**
MW-14	07/23/14	NA	NA	NA	3.2	**393**	NA	**847**	**2430**
MW-14 Duplicate	07/23/14	NA	NA	NA	3.2	**362**	NA	**784**	**2280**
MW-15	05/08/07	ND	267	267	1.4	189	ND	67	821
MW-15	05/06/08	ND	229	229	0.845	135	ND	68.5	814
MW-15	05/05/09	ND	243	243	ND	93.4	ND	58.7	665
MW-15	05/25/10	ND	238	238	0.885	114	ND	58.3	640
MW-15	05/24/11	<5	213	216	0.98	144	<0.5	58.3	638
MW-15	10/25/11	<20	452	452	1.0	123	<0.5	56.4	552
MW-15	07/18/12	<20	258	258	2.4	110	<0.1	52.7	601
MW-15	07/31/13	<20	269	269	1.5	116	<0.1	56.8	569
MW-15	07/23/14	NA	NA	NA	1.3	118	NA	61.8	512
MW-15	08/26/15	NA	NA	NA	NA	122	ND	66.8	855
MW-15	08/10/16	NA	NA	NA	NA	134	<0.10	70.0	641
MW-15	08/22/17	NA	NA	NA	NA	139	<0.10	66.1	575

Table 5

Historical Groundwater Analytical Results - Inorganics
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Carbonate Alkalinity (mg/L)	Bicarbonate Alkalinity (mg/L)	Total Alkalinity (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Nitrate as N (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
NMWQCC Groundwater Quality Standards		**NE**	**NE**	**NE**	**NE**	**250**	**10**	**600**	**1000**
MW-16	05/08/07	ND	246	246	1.4	**254**	ND	136	**1120**
MW-16	05/06/08	ND	246	246	1.31	**262**	ND	140	**1350**
MW-16	05/05/09	ND	246	246	ND	**256**	ND	112	**1450**
MW-16	05/25/10	ND	262	262	ND	244	ND	120	**1190**
MW-16	05/24/11	<5	285	286	1.2	244	<0.5	92.2	894
MW-16	10/25/11	<20	444	444	1.3	230	<0.5	76.4	830
MW-16	07/18/12	<20	336	336	3.3	199	<0.1	54.4	801
MW-16	07/31/13	<20	291	291	1.7	195	<0.1	71.3	792
MW-16	07/23/14	NA	NA	NA	1.4	196	NA	85.4	839
MW-16	08/26/15	NA	NA	NA	NA	190	ND	91.0	**1140**
MW-16	08/10/16	NA	NA	NA	NA	174	<0.10	79.1	858
MW-16	08/22/17	NA	NA	NA	NA	179	<0.10	40.0	746
MW-17	05/08/07	ND	176	176	2.0	**876**	ND	295	**2020**
MW-17	05/06/08	ND	186	186	3.96	**724**	ND	295	**2750**
MW-17	05/05/09	ND	269	269	ND	**633**	ND	265	**3230**
MW-17	05/25/10	ND	157	157	2.16	**676**	ND	303	**1880**
MW-17	05/24/11	<5	182	182	1.8	**683**	<0.5	281	**1960**
MW-17	10/25/11	<20	244	244	1.8	**654**	<0.5	274	**1750**
MW-17	07/18/12	<20	289	289	2.8	**637**	<0.1	262	**1960**
MW-17	07/31/13	<20	200	200	3.0	**687**	<0.1	287	**1680**
MW-17	07/23/14	NA	NA	NA	2.0	**602**	NA	260	**1960**
MW-17	08/26/15	NA	NA	NA	NA	**562**	ND	242	**3300**
MW-17	08/10/16	NA	NA	NA	NA	**623**	<0.10	275	**1910**
MW-17	08/22/17	NA	NA	NA	NA	**568**	<0.10	237	**1790**
MW-18	05/08/07	ND	117	117	11.1	**7,780**	ND	**822**	**19500**
MW-18	05/06/08	ND	107	107	50.5	**11,300**	8.36	**718**	**37100**
MW-18	05/05/09	ND	118	118	ND	**11,700**	3.44	557	**22300**
MW-18	05/25/10	ND	121	121	11.1	**12,100**	3.59	**841**	**32000**
MW-18	05/24/11	<5	130	130	9.5	**15,900**	3.4	**858**	**25500**
MW-18	10/25/11	<20	224	224	<1	**11,100**	3.7	**762**	**22700**

Table 5

Historical Groundwater Analytical Results - Inorganics
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Carbonate Alkalinity (mg/L)	Bicarbonate Alkalinity (mg/L)	Total Alkalinity (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Nitrate as N (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
NMWQCC Groundwater Quality Standards		**NE**	**NE**	**NE**	**NE**	**250**	**10**	**600**	**1000**
MW-18	07/18/12	<20	393	393	<100	**10,100**	3.8	**672**	**27300**
MW-18	07/31/13	<20	174	174	<50	**10,200**	3.8	**727**	**23400**
MW-18	07/23/14	NA	NA	NA	<20	**9,750**	NA	**707**	**23300**
MW-19	05/08/07	ND	272	272	1.1	101	0.75	20.8	837
MW-19	05/06/08	ND	229	229	ND	114	1.06	29.3	**1190**
MW-19	05/05/09	ND	241	241	0.836	105	0.944	26.7	597
MW-19	05/25/10	ND	245	245	0.97	108	0.867	33.2	**1080**
MW-19	05/24/11	<5	255	256	1.1	140	1.4	27.4	589
MW-19	10/25/11	<20	436	436	<1	122	2.2	32.9	523
MW-19	07/18/12	<20	635	635	1.4	113	2.6	27.8	585
MW-19	08/01/13	<20	289	289	1.3	112	3.1	27.8	583
MW-19	07/23/14	NA	NA	NA	1.4	113	NA	31.3	557
MW-20	05/06/08	ND	111	111	19.8	**5120**	ND	467	**5790**
MW-20	05/05/09	ND	133	133	ND	**4880**	2.64	485	**20800**
MW-20	05/25/10	ND	111	111	ND	**5620**	1.05	538	**19700**
MW-20	05/24/11	<5	101	101	7.6	**6720**	3.4	571	**15200**
MW-20	10/25/11	<20	4790	4790	<1	**5950**	3.9	551	**13100**
MW-20	07/18/12	<20	1820	1820	13.6	<1	4.3	508	**14000**
MW-20	07/31/13	<20	139	139	<50	**6020**	4.3	555	**17000**
MW-20	07/23/14	NA	NA	NA	11.9	**7070**	NA	597	**17100**
MW-21	07/23/14	NA	NA	NA	2.3	**1390**	NA	248	**4110**
MW-21	08/26/15	NA	NA	NA	NA	**1350**	0.35	239	**12000**
MW-21	08/10/16	NA	NA	NA	NA	**1300**	0.28	273	**3920**
MW-21	08/22/17	NA	NA	NA	NA	**1220**	<0.10	220	**3410**
MW-22	08/26/15	NA	NA	NA	NA	**282**	0.59	171	**2110**
MW-22 Duplicate	08/26/15	NA	NA	NA	NA	**283**	0.55	172	**2080**
MW-22	08/10/16	NA	NA	NA	NA	**346**	1.4	275	**1280**

Table 5

Historical Groundwater Analytical Results - Inorganics
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Carbonate Alkalinity (mg/L)	Bicarbonate Alkalinity (mg/L)	Total Alkalinity (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Nitrate as N (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
NMWQCC Groundwater Quality Standards		**NE**	**NE**	**NE**	**NE**	**250**	**10**	**600**	**1000**
MW-23	08/26/15	NA	NA	NA	NA	**338**	1.6	184	**2430**
MW-23	08/10/16	NA	NA	NA	NA	**336**	2.3	188	**1230**
MW-24	08/22/17	NA	NA	NA	NA	**399**	<0.10	4	**1500**
Duplicate	08/22/17	NA	NA	NA	NA	**387**	<0.10	3.7	**1540**

Notes:

mg/L = miligrams per liter
N = Nitrogen
NMWQCC = New Mexico Water Quality Control Commission
< = analyte was not detected at or above the reported detection limit.
NE = not established
NA = not analyzed
ND = non detect
Shaded/bolded values exceed their respective NMWQCC Stand ard for Groundwater.
duplicate = duplicate sample

Historical Groundwater Analytical Results Summary - Metals 2007 through 2013
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)
NMWQCC Groundwater Quality Standards		**NE**	**NE**	**NE**	**NE**
WW	05/08/07	191	67.9	ND	142
WW	05/06/08	184	62.9	3.63	140
WW	05/05/09	198	64.1	5.12	149
WW	05/25/10	173	62.3	4.39	136
WW	05/24/11	141	59.5	<5.0	140
WW	10/25/11	142	58.6	4.12	149
WW	07/18/12	112	60.7	5.74	171
WW	08/01/13	137	60.1	5.44	173
MW-1	08/05/13	215	51.6	2.58	153
MW-2	05/08/07	240	44.9	ND	66.4
MW-2	05/06/08	323	67.7	3.09	72.9
MW-2	05/05/09	344	73.9	3.88	77.7
MW-2	05/25/10	282	61.9	3.09	65.8
MW-2	05/24/11	291	57.2	<5.0	63.6
MW-2	10/25/11	289	52.7	3.42	72
MW-2	07/18/12	344	58.0	5.02	69.4
MW-2	08/05/13	306	485	3.86	76.9
MW-3	07/18/12	324	72.2	2.82	115
MW-3	08/01/13	340	64.3	3.07	130
MW-4	05/08/07	160	44.8	7.0	83.9
MW-4	05/06/08	156	48.3	8.04	79.2
MW-4	05/05/09	170	49.4	7.38	82.8
MW-4	05/25/10	162	50.5	7.78	74.0
MW-4	05/24/11	183	51.7	83.8	111
MW-4	10/25/11	201	54.6	8.14	82.7
MW-4 Duplicate	10/25/11	195	55.2	7.83	82.8
MW-4	07/18/12	182	53.7	7.85	75.1
MW-4	08/02/13	183	54.8	8.07	83.9
MW-5	05/06/08	176	32.8	3.09	158
MW-5	05/05/09	211	34.0	3.19	191
MW-5	05/25/10	245	44.2	3.1	182
MW-5	05/24/11	250	40.9	5.03	160
MW-5	08/05/13	212	44.6	3.59	209
MW-6	05/08/07	170	72.0	ND	95.4
MW-6 Duplicate	05/08/07	174	80.1	ND	95.9
MW-6	05/06/08	182	78.0	4.18	145
MW-6 Duplicate	05/06/08	188	81.3	3.61	147
MW-6	05/05/09	180	74.8	4.0	121

Historical Groundwater Analytical Results Summary - Metals 2007 through 2013
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)
NMWQCC Groundwater Quality Standards		**NE**	**NE**	**NE**	**NE**
MW-6 Duplicate	05/05/09	170	72.4	3.99	122
MW-6	05/25/10	166	69.6	3.77	101
MW-6 Duplicate	05/25/10	162	68.2	3.72	100
MW-6	05/24/11	174	68.3	<5.0	100
MW-6 Duplicate	05/24/11	192	74.0	<5.0	92.5
MW-6	10/25/11	185	73.2	3.95	188
MW-7	05/08/07	212	71.2	ND	72.1
MW-7	05/05/09	394	108	4.0	84.0
MW-8	07/18/12	232	55.2	2.96	32.4
MW-8	08/01/13	243	56.5	3.16	35.3
MW-9	07/18/12	10.0	2.68	0.757	176
MW-9	08/05/13	116	22.6	7.46	213
MW-9 Duplicate	08/05/13	122	16.3	4.91	196
MW-10	05/08/07	761	203	12.0	1530
MW-10	05/06/08	819	188	8.24	785
MW-10	05/05/09	825	188	7.66	820
MW-10	05/25/10	756	178	ND	1200
MW-10	05/24/11	1310	327	28.3	3210
MW-10	10/25/11	856	181	10.5	778
MW-10	07/18/12	790	170	10.9	749
MW-10	08/01/13	733	174	9.19	802
MW-11	05/08/07	1060	258	7.8	496
MW-11	05/06/08	615	166	8.62	204
MW-11	05/05/09	528	150	6.0	172
MW-11	05/25/10	332	105	4.44	118
MW-11	05/24/11	298	83.7	6.61	103
MW-11	10/25/11	325	86.0	6.0	101
MW-11 Duplicate	10/25/11	352	93.0	6.0	108
MW-11	07/18/12	215	64.2	3.6	80.6
MW-11	08/02/13	325	97.5	8.37	93.2
MW-12	05/08/07	4760	1,330	143	15800
MW-12 Duplicate	05/08/07	5040	1,430	146	32800
MW-12	05/06/08	3880	1,030	84.3	24000
MW-12 Duplicate	05/06/08	3840	1,030	85.4	23100
MW-12	05/05/09	3720	844	59.3	21200
MW-12 Duplicate	05/05/09	3760	872	54.8	22200
MW-12	05/25/10	2490	700	42.4	14300
MW-12 Duplicate	05/25/10	2760	788	47.2	14900

Historical Groundwater Analytical Results Summary - Metals 2007 through 2013
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)
NMWQCC Groundwater Quality Standards		**NE**	**NE**	**NE**	**NE**
MW-12	05/24/11	3260	794	79.1	15100
MW-12 Duplicate	05/24/11	3230	808	83.7	15700
MW-12	10/25/11	3370	743	54	14800
MW-12	07/18/12	3420	812	56.5	11400
MW-12	08/01/13	2580	613	60.6	12100
MW-13	05/08/07	198	43.1	ND	72.4
MW-13	05/06/08	193	43.9	3.09	66.8
MW-13	05/05/09	226	46.8	3.1	74.4
MW-13	05/25/10	203	42.4	2.81	71.9
MW-13	05/24/11	204	41.4	<5.0	73.5
MW-13	10/25/11	541	99.6	16.9	81.3
MW-13	07/18/12	252	53.4	6.24	71.5
MW-13	08/01/13	321	51.0	6.22	74.9
MW-14	05/08/07	656	197	5.7	65.3
MW-14	05/06/08	613	165	6.09	57.1
MW-14	05/05/09	648	176	5.74	51.3
MW-14	05/25/10	544	150	6.04	79.3
MW-14	05/24/11	525	133	<5.0	57.7
MW-14	10/25/11	532	159	14.4	58.1
MW-14	07/18/12	455	137	8.79	49.8
MW-14	08/01/13	454	130	5.29	60.2
MW-14 Duplicate	08/01/13	452	132	5.56	62.2
MW-15	05/08/07	364	82.7	15.3	56.1
MW-15	05/06/08	92.8	38.2	2.71	53.0
MW-15	05/05/09	327	44.2	4.5	58.2
MW-15	05/25/10	517	43.3	3.35	52.2
MW-15	05/24/11	101	38.2	<5.0	57.4
MW-15	10/25/11	221	51.0	7.4	58.2
MW-15	07/18/12	91.0	34.8	3.14	55.6
MW-15	07/31/13	84.8	33.9	2.49	60.4
MW-16	05/08/07	203	52.6	ND	78.1
MW-16	05/06/08	171	49.1	2.90	70.4
MW-16	05/05/09	187	52	2.66	76.9
MW-16	05/25/10	160	48.6	2.45	64.6
MW-16	05/24/11	158	45.3	<5.0	61.6
MW-16	10/25/11	232	45.6	3.08	58.1
MW-16	07/18/12	160	45.8	2.78	51.7
MW-16	07/31/13	168	43.8	2.36	53.4

Historical Groundwater Analytical Results Summary - Metals 2007 through 2013
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

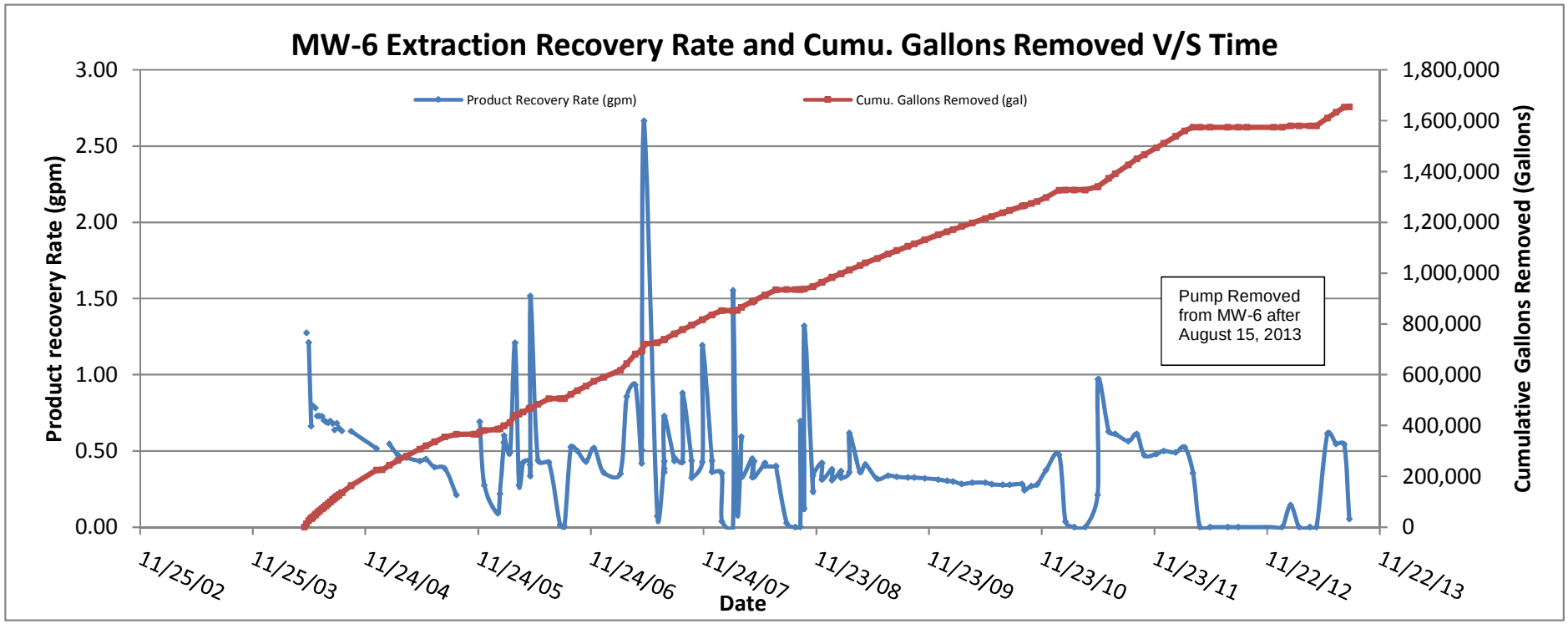
Monitoring Well ID	Sample Date	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)
NMWQCC Groundwater Quality Standards		NE	NE	NE	NE
MW-17	05/08/07	532	87.2	12.6	243
MW-17	05/06/08	NA	NA	NA	NA
MW-17	05/05/09	415	63.5	ND	272
MW-17	05/25/10	299	54.0	3.61	230
MW-17	05/24/11	254	49.7	<5.0	237
MW-17	10/25/11	326	60.3	7.4	239
MW-17	07/18/12	344	68.0	10.3	238
MW-17	07/31/13	232	47.8	3.02	245
MW-18	05/08/07	2210	707	35.4	3300
MW-18	05/06/08	2200	727	25.3	3260
MW-18	05/05/09	2540	734	21.3	4010
MW-18	05/25/10	1900	654	21.1	3240
MW-18	05/24/11	2090	680	33.2	3290
MW-18	10/25/11	2850	772	51.2	3450
MW-18	07/18/12	2300	714	39.1	3320
MW-18	07/31/13	2090	667	29.9	3330
MW-19	05/08/07	147	41.1	5.5	50.9
MW-19	05/06/08	359	48.6	9.56	50.2
MW-19	05/05/09	394	42.5	6.16	52.1
MW-19	05/25/10	1050	51.4	7.34	49.6
MW-19	05/24/11	126	34.5	<5.0	56
MW-19	10/25/11	207	41.7	5.46	56.2
MW-19	07/18/12	422	50.3	8.67	49.4
MW-19	08/01/13	203	36.9	4.16	52.5
MW-20	05/06/08	1690	571	24.7	983
MW-20	05/05/09	3220	617	27.8	1260
MW-20	05/25/10	1850	664	21.5	1020
MW-20	05/24/11	2050	632	53.8	1000
MW-20	10/25/11	3080	640	41.9	1050

Historical Groundwater Analytical Results Summary - Metals 2007 through 2013
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Monitoring Well ID	Sample Date	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)
NMWQCC Groundwater Quality Standards		**NE**	**NE**	**NE**	**NE**
MW-20	07/18/12	2240	654	39.6	1070
MW-20	07/31/13	1860	632	24.4	1200

Notes:

Analytical results are presented in mg/L.
< = analyte was not detected at or above the reported detection limit.
ne = not established
na = not analyzed
nd = non detect
Shaded/bolded values exceed their respective NMWQCC Standard for Ground Water.
duplicate = duplicate sample


MW-6 Extraction Recovery Rate and Cumu. Gallons Removed V/S Time
Product Recovery Rate (gpm)
Cumu. Gallons Removed (gal)
Pump Removed from MW-6 after August 15, 2013
Product recovery Rate (gpm)
Cumulative Gallons Removed (Gallons)
3.00
2.50
2.00
1.50
1.00
0.50
0.00
1,800,000
1,600,000
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
11/25/02
11/25/03
11/24/04
11/24/05
11/24/06
11/24/07
11/23/08
11/23/09
11/23/10
11/23/11
11/22/12
11/22/13
Date

Historical Extraction Well Recovery Volumes - MW-6
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Date	Time	Flowmeter Reading	Gallons Per Reading	Cumulative Gallons	Gallons Per Pumping Cycle	Gallons Per Minute	Comments
04/05/04	14:45	1,506.45					Start pumping MW-6
05/10/04	10:35	1,770.90	264.45				
05/10/04	12:28	1,940.00	169.10	433.55			
05/17/04	14:50	14,792.65	12,852.65	13,286.20		1.28	
05/17/04	17:09	15,045.55	252.90	13,539.10			
05/24/04	13:51	27,260.85	12,215.30	25,754.40		1.21	
06/01/04	8:07	34,896.40	7,635.55	33,389.95		0.66	
06/01/04	9:41	34,910.00	13.60	33,403.55			
06/01/04	10:51	35,008.60	98.60	33,502.15	112.20		
06/01/04	12:12	35,040.00	31.40	33,533.55			
06/01/04	12:31	35,123.25	83.25	33,616.80	83.25		
06/01/04	13:51	35,130.30	7.05	33,623.85			
06/07/04	8:04	42,007.30	6,877.00	40,500.85		0.80	
06/07/04	9:19	42,080.90	73.60	40,574.45	73.60		
06/07/04	11:06	42,164.65	83.75	40,658.20	83.75		
06/15/04	8:06	51,167.30	9,002.65	49,660.85		0.78	
06/15/04	9:10	51,230.00	62.70	49,723.55	95.65		
06/15/04	9:16	51,260.00	30.00	49,753.55			
06/15/04	9:52	51,262.95	2.95	49,756.50			
06/15/04	11:19	51,358.25	95.30	49,851.80	95.30		
06/21/04	8:21	57,670.00	6,311.75	56,163.55		0.73	
06/21/04	8:27	57,710.00	40.00	56,203.55			
06/21/04	8:56	57,735.65	25.65	56,229.20			
06/21/04	10:47	57,830.35	94.70	56,323.90	94.70		
06/28/04	8:18	65,189.50	7,359.15	63,683.05		0.73	
06/28/04	10:17	65,282.70	93.20	63,776.25	93.20		
06/28/04	12:28	65,376.90	94.20	63,870.45	94.20		
07/06/04	8:08	73,765.10	8,388.20	72,258.65		0.73	
07/06/04	8:46	73,868.50	103.40	72,362.05	103.40		
07/06/04	13:41	74,044.45	175.95	72,538.00	175.95		
07/12/04	9:07	80,116.10	6,071.65	78,609.65		0.70	
07/12/04	10:37	80,207.95	91.85	78,701.50	91.85		
07/12/04	13:07	80,300.40	92.45	78,793.95			
07/19/04	8:08	87,253.85	6,953.45	85,747.40		0.69	
07/19/04	8:45	87,358.20	104.35	85,851.75	104.35		
07/19/04	10:59	87,442.75	84.55	85,936.30	84.55		
07/26/04	9:01	94,366.45	6,923.70	92,860.00		0.69	
07/26/04	9:31	94,460.95	94.50	92,954.50	94.50		
07/26/04	11:49	94,554.90	93.95	93,048.45	93.95		
08/02/04	8:05	101,564.60	7,009.70	100,058.15		0.70	
08/02/04	8:45	101,658.50	93.90	100,152.05	93.90		
08/02/04	10:49	101,750.60	92.10	100,244.15	92.10		
08/10/04	8:26	109,577.25	7,826.65	108,070.80		0.68	
08/10/04	10:29	109,668.75	91.50	108,162.30	91.50		
08/10/04	12:44	109,769.50	100.75	108,263.05	100.75		
08/16/04	8:12	115,282.00	5,512.50	113,775.55		0.64	
08/16/04	9:03	115,374.45	92.45	113,868.00	92.45		
08/16/04	11:28	115,466.40	91.95	113,959.95	91.95		
08/23/04	8:27	122,334.20	6,867.80	120,827.75		0.68	
08/23/04	11:13	122,424.30	90.10	120,917.85	90.10		

Historical Extraction Well Recovery Volumes - MW-6
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Date	Time	Flowmeter Reading	Gallons Per Reading	Cumulative Gallons	Gallons Per Pumping Cycle	Gallons Per Minute	Comments
08/23/04	12:43	122,513.25	88.95	121,006.80	88.95		
08/30/04	8:09	129,069.60	6,556.35	127,563.15		0.65	
08/30/04	9:27	129,150.00	80.40	127,643.55			
08/30/04	12:03	129,239.55	89.55	127,733.10	89.55		
09/08/04	7:56	137,417.20	8,177.65	135,910.75		0.63	
09/08/04	9:13	137,503.90	86.70	135,997.45	86.70		
09/08/04	12:01	137,587.95	84.05	136,081.50	84.05		
10/08/04	12:10	164,776.80	27,188.85	163,270.35		0.63	
12/30/04	8:55	226,579.30	61,802.50	225,072.85		0.52	
01/17/05	13:30	251.50	251.50	225,324.35			Replace flowmeter
02/09/05	12:20	18,330.70	18,079.20	243,403.55		0.55	
03/09/05	13:25	37,412.00	19,081.30	262,484.85		0.47	
04/05/05	12:38	55,160.60	17,748.60	280,233.45		0.46	
05/19/05	10:15	82,715.00	27,554.40	307,787.85		0.43	
06/08/05	11:15	95,551.00	12,836.00	320,623.85		0.45	
07/05/05	14:30	110,883.80	15,332.80	335,956.65		0.39	
08/08/05	12:45	129,746.00	18,862.20	354,818.85		0.39	
09/14/05	10:15	141,031.00	11,285.00	366,103.85		0.21	
11/09/05	11:00	141,182.10	151.10	366,254.95			Pump not working
11/15/05	10:00	141,182.10	0.00	366,254.95			Pull pump for repairs
11/21/05	10:30	141,322.20	140.10	366,395.05			Reinstall pump
11/29/05	12:30	149,304.10	7,981.90	374,376.95		0.69	
12/14/05	12:00	155,239.90	5,935.80	380,312.75		0.27	Float switch & freezing problems
01/26/06	12:15	160,817.90	5,578.00	385,890.75		0.09	Float switch & freezing problems
02/02/06	14:30	163,014.50	2,196.60	388,087.35		0.22	Float switch & freezing problems
02/15/06	11:00	173,406.30	10,391.80	398,479.15		0.56	Install heat trace & insulation
02/16/06	12:25	174,273.60	867.30	399,346.45		0.60	
03/07/06	11:05	187,632.40	13,358.80	412,705.25		0.49	
03/23/06	11:15	215,507.00	27,874.60	440,579.85		1.21	
04/05/06	11:43	220,641.00	5,134.00	445,713.85		0.27	
04/18/06	10:00	228,578.50	7,937.50	453,651.35		0.42	
05/08/06	15:31	241,171.50	12,593.00	466,244.35		0.44	
05/11/06	13:40	242,939.70	1,768.20	468,012.55		0.41	
05/12/06	8:22	243,424.10	484.40	468,496.95		0.34	
05/12/06	8:40	243,451.40	27.30	468,524.25		1.52	
06/05/06	12:25	258,570.00	15,118.60	483,642.85		0.44	
07/11/06	12:10	280,703.30	22,133.30	505,776.15		0.43	
08/16/06	8:20	281,423.30	720.00	506,496.15		0.01	Pump off from 7/24/06 f/ tank repairs
08/30/06	10:50	281,484.50	61.20	506,557.35		0.00	Restart pump on 8/30/06
09/20/06	12:42	297,406.90	15,922.40	522,479.75		0.53	
10/11/06	10:40	312,557.10	15,150.20	537,629.95		0.50	
11/08/06	9:00	329,920.90	17,363.80	554,993.75		0.43	Pump off from 11/07/06 tank full
12/04/06	10:10	349,386.10	19,465.20	574,458.95		0.52	
01/04/07	11:05	365,410.80	16,024.70	590,483.65		0.36	
02/27/07	10:50	392,701.40	27,290.60	617,774.25		0.35	
03/20/07	9:15	418,632.10	25,930.70	643,704.95		0.86	
04/17/07	13:56	456,282.30	37,650.20	681,355.15		0.93	
05/07/07	10:46	468,334.40	12,052.10	693,407.25		0.42	
05/08/07	15:17	469,062.40	728.00	694,135.25		0.51	
05/15/07	11:12	495,925.30	26,862.90	720,998.15		2.67	

Historical Extraction Well Recovery Volumes - MW-6
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Date	Time	Flowmeter Reading	Gallons Per Reading	Cumulative Gallons	Gallons Per Pumping Cycle	Gallons Per Minute	Comments
06/27/07	10:29	500,361.20	4,435.90	725,434.05		0.07	Pump off intermittently f/ tank work
07/19/07	8:45	514,061.50	13,700.30	739,134.35		0.43	
07/19/07	11:25	514,119.20	57.70	739,192.05		0.36	
07/19/07	15:07	514,204.40	85.20	739,277.25		0.38	
07/19/07	16:12	514,251.80	47.40	739,324.65		0.73	
08/21/07	10:55	534,891.20	20,639.40	759,964.05		0.43	
08/21/07	14:23	534,986.50	95.30	760,059.35		0.46	
09/17/07	10:06	551,664.60	16,678.10	776,737.45		0.43	
09/17/07	10:59	551,711.20	46.60	776,784.05		0.88	
10/16/07	8:45	569,938.40	18,227.20	795,011.25		0.44	
10/16/07	11:11	569,985.80	47.40	795,058.65		0.32	
11/20/07	8:40	591,598.70	21,612.90	816,671.55		0.43	
11/20/07	9:11	591,635.70	37.00	816,708.55		1.19	
12/21/07	8:15	611,077.40	19,441.70	836,150.25		0.44	
12/21/07	10:22	611,123.40	46.00	836,196.25		0.36	
01/22/08	10:50	627,483.90	16,360.50	852,556.75		0.36	
01/22/08	12:35	627,488.90	5.00	852,561.75		0.04	
02/27/08	8:52	626,666.60	-822.30	851,739.45		-0.02	****
02/27/08	11:25	626,863.90	197.30	851,936.75		1.55	
03/12/08	10:50	628,820.00	1,956.10	853,892.85		0.10	
03/25/08	9:35	639,930.90	11,110.90	865,003.75		0.59	
03/25/08	11:23	639,972.50	41.60	865,045.35		0.33	
04/29/08	8:50	662,693.50	22,721.00	887,766.35		0.45	
04/29/08	10:35	662,735.30	41.80	887,808.15		0.33	
05/05/08	13:45	666,464.20	3,728.90	891,537.05		0.43	
05/05/08	14:39	666,506.10	41.90	891,578.95		0.33	
06/10/08	8:45	688,437.80	21,931.70	913,510.65		0.42	
06/10/08	10:55	688,488.80	51.00	913,561.65		0.40	
07/15/08	9:10	708,547.60	20,058.80	933,620.45		0.40	
07/15/08	10:55	708,598.70	51.10	933,671.55		0.40	
08/19/08	8:40	709,904.40	1,305.70	934,977.25		0.03	Pump would not come on.
09/16/08	9:20	709,904.40	0.00	934,977.25		0.00	
10/02/08	8:30	709,949.00	44.60	935,021.85		0.00	Replace pump and restart pumping
10/02/08	10:15	710,037.40	88.40	935,110.25		0.70	
10/15/08	9:20	712,327.00	2,289.60	937,399.85		0.12	Repair piping insulation & heat tape
10/15/08	12:42	712,494.70	167.70	937,567.55		1.32	
11/12/08	8:43	721,969.10	9,474.40	947,041.95		0.23	
11/12/08	11:11	722,012.10	43.00	947,084.95		0.34	
12/11/08	9:00	739,633.90	17,621.80	964,706.75		0.42	
12/11/08	10:36	739,673.50	39.60	964,746.35		0.31	
01/13/09	9:19	757,707.20	18,033.70	982,780.05		0.38	
01/13/09	11:12	757,746.40	39.20	982,819.25		0.31	
02/11/09	9:19	773,145.50	15,399.10	998,218.35		0.37	
02/11/09	10:16	773,186.70	41.20	998,259.55		0.32	
03/10/09	9:15	787,205.80	14,019.10	1,012,278.65		0.36	
03/10/09	12:12	787,284.30	78.50	1,012,357.15		0.62	
04/13/09	11:20	805,014.60	17,730.30	1,030,087.45		0.36	

Historical Extraction Well Recovery Volumes - MW-6
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Date	Time	Flowmeter Reading	Gallons Per Reading	Cumulative Gallons	Gallons Per Pumping Cycle	Gallons Per Minute	Comments
05/01/09	13:05	815,677.00	10,662.40	1,040,749.85		0.41	
06/08/09	11:11	833,037.90	17,360.90	1,058,110.75		0.32	
07/13/09	10:58	850,122.40	17,084.50	1,075,195.25		0.34	
08/10/09	11:00	863,446.60	13,324.20	1,088,519.45		0.33	
09/15/09	10:45	880,356.20	16,909.60	1,105,429.05		0.33	
10/06/09	11:08	890,205.00	9,848.80	1,115,277.85		0.33	
11/09/09	10:34	905,901.70	15,696.70	1,130,974.55		0.32	
12/23/09	11:48	925,741.90	19,840.20	1,150,814.75		0.31	
01/20/10	10:22	937,973.00	12,231.10	1,163,045.85		0.30	
02/09/10	10:49	946,651.00	8,678.00	1,171,723.85		0.30	
03/09/10	10:35	958,080.00	11,429.00	1,183,152.85		0.28	
04/12/10	10:54	972,369.70	14,289.70	1,197,442.55		0.29	
05/24/10	10:28	990,012.80	17,643.10	1,215,085.65		0.29	
06/14/10	10:27	998,522.90	8,510.10	1,223,595.75		0.28	
07/20/10	10:12	1,012,908.80	14,385.90	1,237,981.65		0.28	
08/11/10	9:49	1,021,696.40	8,787.60	1,246,769.25		0.28	
09/21/10	11:14	1,038,378.10	16,681.70	1,263,450.95		0.28	
09/28/10	11:30	1,040,828.30	2,450.20	1,265,901.15		0.24	
10/20/10	10:45	1,049,402.70	8,574.40	1,274,475.55		0.27	
11/08/10	10:52	1,057,100.30	7,697.60	1,282,173.15		0.28	
12/07/10	10:42	1,072,691.90	15,591.60	1,297,764.75		0.37	
01/18/11	10:02	1,101,378.30	28,686.40	1,326,451.15		0.47	
02/08/11	8:50	1,102,475.20	1,096.90	1,327,548.05		0.04	pump off for repairs to flowline
03/08/11	9:15	1,102,475.20	0.00	1,327,548.05		0.00	pump off for repairs to tank
04/13/11	10:20	1,102,475.20	0.00	1,327,548.05		0.00	pump off for repairs to tank
05/23/11	11:02	1,114,673.40	12,198.20	1,339,746.25		0.21	
05/24/11	11:00	1,116,070.00	1,396.60	1,341,142.85		0.97	sample well
06/28/11	10:20	1,147,670.50	31,600.50	1,372,743.35		0.63	
07/19/11	10:45	1,166,178.10	18,507.60	1,391,250.95		0.61	
08/31/11	11:35	1,201,138.50	34,960.40	1,426,211.35		0.56	
09/27/11	11:28	1,224,932.00	23,793.50	1,450,004.85		0.61	
10/21/11	13:00	1,241,283.3	16,351.30	1,466,356.15		0.47	
11/29/11	11:24	1,268,280.8	26,997.50	1,493,353.65		0.48	
12/23/11	13:41	1,285,590.50	17,309.70	1,510,663.35		0.50	
01/31/12	11:45	1,313,121.60	27,531.10	1,538,194.45		0.49	
02/29/12	12:45	1,335,028.70	21,907.10	1,560,101.55		0.52	
03/27/12	1:00	1,348,829.40	13,800.70	1,573,902.25		0.35	
04/18/12		1,348,829.40	0.00	1,573,902.25		0.00	System shut down
05/21/12		1,348,829.40	0.00	1,573,902.25		0.00	System shut down
07/17/12		1,348,829.40	0.00	1,573,902.25		0.00	System shut down
08/21/12		1,348,829.40	0.00	1,573,902.25		0.00	System shut down
09/17/12	16:30	1,348,827.80	-1.60	1,573,900.65		0.00	System shut down
12/13/12	13:20	1,348,827.60	-0.20	1,573,900.45		0.00	System shut down
01/10/13	16:04	0.00	0.00	1,573,900.45		0.00	Replaced meter
02/06/13	14:39	5,620.70	5,620.70	1,579,521.15		0.14	
03/06/13	14:55	5,620.70	0.00	1,579,521.15		0.00	
04/10/13	11:37	5,620.70	0.00	1,579,521.15		0.00	
05/01/13	13:30	5,640.00	19.30	1,579,540.45		0.00	
06/05/13	14:00	36,610.00	30,970.00	1,610,510.45		0.61	
07/03/13	12:00	58,649.00	22,039.00	1,632,549.45		0.55	

Historical Extraction Well Recovery Volumes - MW-6
Phillips 66 Company
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Date	Time	Flowmeter Reading	Gallons Per Reading	Cumulative Gallons	Gallons Per Pumping Cycle	Gallons Per Minute	Comments
07/30/13	15:50	79,774.60	21,125.60	1,653,675.05		0.54	
08/15/13	15:11	81,044.20	1,269.60	1,654,944.65		0.06	Pump Removed from MW-6

Appendices

Appendix A
New Mexico Oil Conservation Division Letter

Thomas R. Wynn
Program Manager
Phillips 66 Remediation Management
1708-02 Phillips Building
420 S. Keeler Avenue
Bartlesville, OK 74004
Phone 918-977-4094

October 17, 2014

Mr. Glenn von Gonten
New Mexico Oil Conservation Division
1220 S St. Francis Dr.
Santa Fe, NM 87505

RE: Maljamar Gas Plant
Lea County, New Mexico
NMOCD AP-115

Dear Mr. von Gonten:

The Maljamar Gas Plant (Site) is located in Lea County, New Mexico (Sec 21, T17S, R32E; Figure 1). Impacts at the Site pertain to a release of natural gas condensate that occurred in February 2000. On behalf of Phillips 66 Company (Phillips 66), Conestoga-Rovers & Associates (CRA) is managing the related project which generally consists of remedial and monitoring tasks. Significant concentrations of chloride and total dissolved solids (TDS) have not been detected at the Site. However, chloride and TDS impacts are present upgradient of the Site. These produced water impacts are related to an off-site project and recovery and remediation activities for those impacts are managed by ConocoPhillips Company (ConocoPhillips). A monitoring well network is present in the area that was once utilized to monitor groundwater and related impacts for both projects, originally by ConocoPhillips.

As ConocoPhillips is managing the Maljamar E & P project and wells related to chloride and TDS impacts, Phillips 66 will accept responsibility for the following wells due to being solely impacted by hydrocarbon.

MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8
MW-9
MW-10
MW-15
MW-16
MW-17
MW-21
SK-1
SK-2

ConocoPhillips will provide access to Phillips 66 for sample collection from the following wells:

MW-11
MW-13

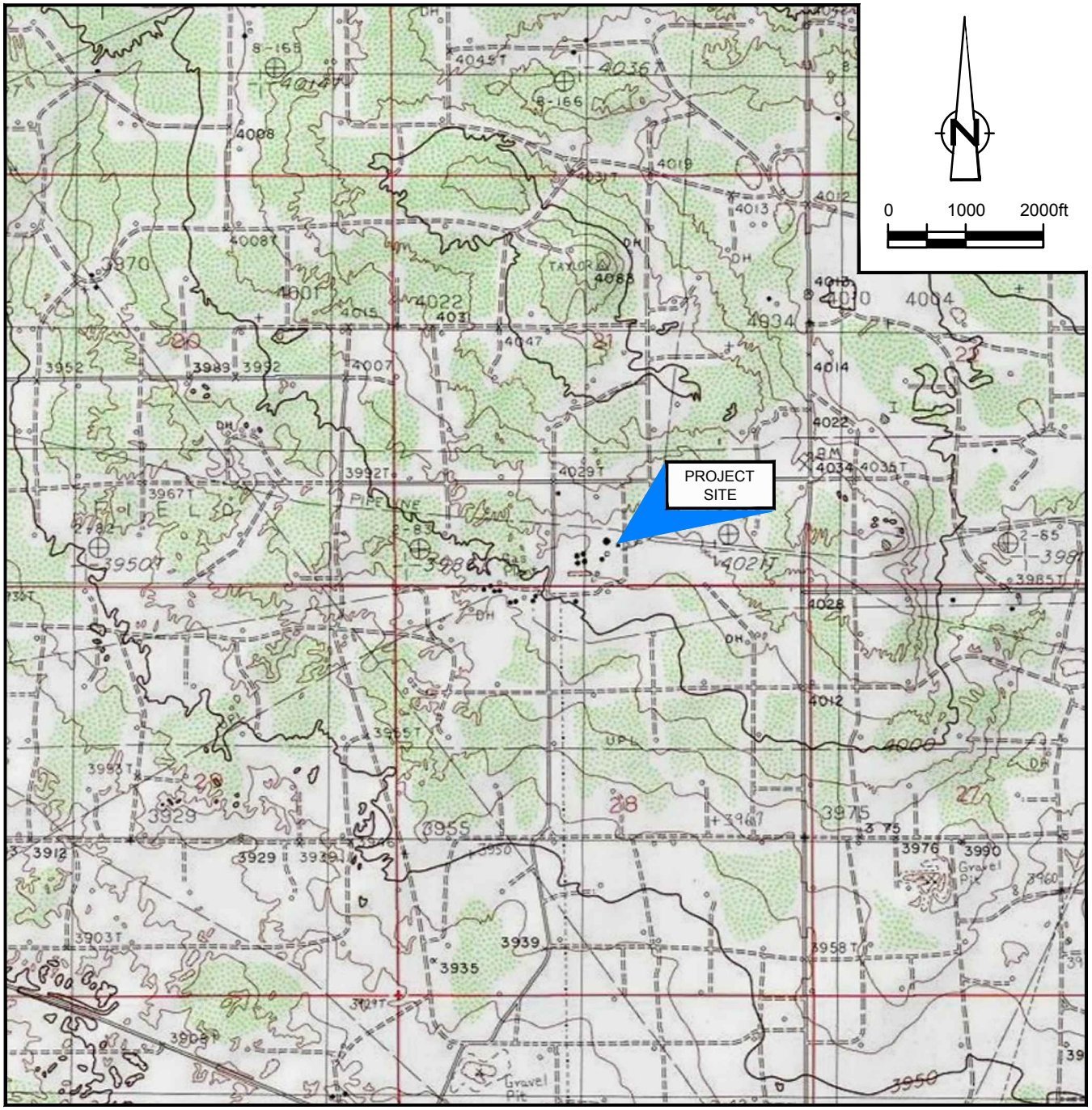
It should be noted that chloride and TDS impacts in the area of MW-18 and MW-20 are well south of and unrelated to either of the above-referenced projects. Therefore, wells MW-18 and MW-20 will no longer be monitored as part of either project. Locations of monitor wells and other features are presented on Figure 2.

Please let me know if you have any questions.

Sincerely,

Thomas R. Wynn

cc: Moshghan Mansoori, Conestoga-Rovers & Associate



SOURCE: USGS 7.5 MINUTE QUAD
"MALJAMAR, NEW MEXICO"

LAT/LONG: 32.8153° NORTH, 103.7719° WEST
COORDINATE: NAD83 DATUM, U.S. FOOT
STATE PLANE ZONE - NEW MEXICO EAST

figure 1

SITE LOCATION MAP
MALJAMAR GAS PLANT
LEA COUNTY, NEW MEXICO
Phillips 66 Company

075018-00(006)GN-DL001 MAR 27/2014


N
0 200 400
Feet
MW-13
MW-15
MW-11
MW-4
MW-6
MW-7
SK 1,2
MW-10
MW-2
MW-16
MW-5
MW-3
MW-1
MW-8
MW-9
MW-17
MW-21
MW-20
MW-18
Legend
ConocoPhillips
Phillips 66
Remove Wells
Figure 2
SITE MAP
MALJAMAR GAS PLANT
LEA COUNTY, NEW MEXICO
Phillips 66 Company
Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Appendix B
Office of the State Engineer Well Record and Log

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
RW-1		RA-12522

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Phillips 66	918-914-3846

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
420 S Keeler Ave. (1708-01 Phillips Building)	Bartlesville	OK	74003

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	48	43.50	N
	LONGITUDE	103	46	19.98	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND

* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

Maljamar Gas Plant

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1456	John W. White	White Drilling Company, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
07/25/2017	07/26/2017	100.0		

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☑ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 81.40

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
-2.5	70.0	7 7/8	Sch. 40 PVC Riser	Threads	4.0	1/4"	
70.0	100.00	7 7/8	Sch. 40 PVC Screen	Threads	4.0	1/4"	.020

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0.0	60.0	7 7/8	Portland Grout	15 Bags	Pump Mix w/Tremmie Pi
60.0	67.0	7 7/8	Bentonite Chips	2 Bags	Hand Mix
67.0	100.0	7 7/8	8/16 Sand	13 Bags	Hand Mix

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0.0	7.5	7.5	Red/brown sand	Y ✓N	
7.5	11.0	3.5	Reddish brown/brown sand/sanstone	Y ✓N	
11.0	15.0	4.0	Light brown sand/sandstone	Y ✓N	
15.0	16.0	1.0	Reddish brown sand w/gravel	Y ✓N	
16.0	24.0	8.0	Reddish brown silty sand	Y ✓N	
24.0	26.0	2.0	Reddish brown sand w/gravel	Y ✓N	
26.0	37.0	11.0	Reddish brown sand	Y ✓N	
37.0	41.0	4.0	Purple and reddish brown silty shale	Y ✓N	
41.0	65.0	24.0	Dark reddish brown w/gray silty shale mixed	Y ✓N	
65.0	73.0	7.0	Gray and brown sandstone	Y ✓N	
73.0	78.0	5.0	Dark gray/brown sandstone	Y ✓N	
78.0	86.0	8.0	Dark gray stained sandstone	✓Y N	
86.0	97.0	11.0	Greenish/gray stained sandstone	✓Y N	
97.0	100.0	3.0	Brown sandstone	✓Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Hydrocarbon present in soil

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

William B. Atkins

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

SIGNATURE OF DRILLER / PRINT SIGNEE NAME

8/8/2017

DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S)
RW-2		RA-12522

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Phillips 66	918-914-3846

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
420 S Keeler Ave. (1708-01 Phillips Building)	Bartlesville	OK	74003

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	48	42.73	N
	LONGITUDE	103	46	19.66	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

Maljamar Gas Plant

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1456	John W. White	White Drilling Company, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
07/24/2017	07/26/2017	100.0		

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☑ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 80.23

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
-2.5	70.0	7 7/8	Sch. 40 PVC Riser	Threads	4.0	1/4"	
70.0	100.00	7 7/8	Sch. 40 PVC Screen	Threads	4.0	1/4"	.020

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0.0	60.0	7 7/8	Portland Grout	15 Bags	Pump Mix w/Tremmie Pipe
60.0	67.0	7 7/8	Bentonite Chips	2 Bags	Hand Mix
67.0	100.0	7 7/8	8/16 Sand	15 Bags	Hand Mix

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0.0	6.5	6.5	Brown sand	Y ✓N	
6.5	20.0	13.5	Brown sand w/gravel	Y ✓N	
20.0	32.5	12.5	Brown silty sand	Y ✓N	
32.5	39.0	6.5	Reddish and brown silty sandstone	Y ✓N	
39.0	42.0	3.0	Brown silty sandstone	Y ✓N	
42.0	68.0	26.0	Dark purple/brown silty sandstone	Y ✓N	
68.0	78.0	10.0	Green and gray brown silty sandstone	Y ✓N	
78.0	80.0	2.0	Brown, tan and gray molded sandstone	Y ✓N	
80.0	90.0	10.0	Dark gray stained sandstone	✓Y N	
90.0	96.0	6.0	Gray silty sandstone	✓Y N	
96.0	97.0	1.0	Brown silty sandstone	✓Y N	
97.0	100.0	3.0	Yellow brown sandstone	✓Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Hydrocarbon present in soil

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

William B. Atkins

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

SIGNATURE OF DRILLER / PRINT SIGNEE NAME

8/8/2017

DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
RW-3		RA-12522

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Phillips 66	918-914-3846

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
420 S Keeler Ave. (1708-01 Phillips Building)	Bartlesville	OK	74003

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	48	42.56	N
	LONGITUDE	103	46	18.46	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

Maljamar Gas Plant

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1456	John W. White	White Drilling Company, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
07/20/2017	07/26/2017	100.0		

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☑ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 83.90

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
-2.5	70.0	7 7/8	Sch. 40 PVC Riser	Threads	4.0	1/4"	
70.0	100.00	7 7/8	Sch. 40 PVC Screen	Threads	4.0	1/4"	.020

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0.0	60.0	7 7/8	Portland Grout	15 Bags	Pump Mix w/Tremmie Pipe
60.0	66.0	7 7/8	Bentonite Chips	2 Bags	Hand Mix
66.0	100.0	7 7/8	8/16 Sand	14 Bags	Hand Mix

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0.0	5.0	5.0	Reddish sand	Y ✓N	
5.0	6.5	1.5	Reddish clayey sand	Y ✓N	
6.5	13.0	6.5	Reddish sandy clay w/caliche mixed	Y ✓N	
13.0	20.5	7.5	Reddish silty sandstone/siltstone	Y ✓N	
20.5	22.0	2.5	Reddish sand w/gravel	Y ✓N	
22.0	26.5	4.5	Reddish silty sandstone	Y ✓N	
26.5	29.0	1.5	Brownish sand/sandstone	Y ✓N	
29.0	40.0	11.0	Reddish silty clayey shale	Y ✓N	
40.0	45.0	5.0	Brown sand/sandstone	Y ✓N	
45.0	68.0	23.0	Dark reddish brown and gray silty sand.sandstone	Y ✓N	
68.0	78.0	10.0	Greenish/gray and brown sandstone	Y ✓N	
78.0	82.0	4.0	Dark greenish gray and brown sandstone	Y ✓N	
82.0	93.0	11.0	Light greenish gray silty sandstone	✓Y N	
93.0	97.0	4.0	Grayish sandstone "firm"	✓Y N	
97.0	99.0	2.0	Grayish silty sandstone	✓Y N	
99.0	100.0	1.0	Dark reddish silty shale	✓Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Hydrocarbon present in soil

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

William B. Atkins

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

SIGNATURE OF DRILLER / PRINT SIGNEE NAME

8/8/2017

DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
MW-24		RA-12521

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Phillips 66	918-914-3846

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
420 S Keeler Ave. (1708-01 Phillips Building)	Bartlesville	OK	74003

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	48	48.32	N
	LONGITUDE	103	46	13.21	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

Maljamar Gas Plant

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1456	John W. White	White Drilling Company, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
07/21/2017	07/26/2017	105.0		92.0

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☑ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): 92.0

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0.0	75.0	7 7/8	Sch. 40 PVC Riser	Threads	2.0	1/4"	
75.0	105.0	7 7/8	Sch. 40 PVC Screen	Threads	2.0	1/4"	.020

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0.0	65.0	7 7/8	Portland Grout	8 Bags	Pump Mix w/Tremmie Pipe
65.0	72.0	7 7/8	Bentonite Chips	2 Bags	Hand Mix
72.0	105.0	7 7/8	8/16 Sand	13 Bags	Hand Mix

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0.0	1.0	1	Base Caliche	Y ✓N	
1.0	7.0	6	Brown Sand	Y ✓N	
7.0	10.0	3	Reddish brown olayey sand	Y ✓N	
10.0	18.0	8.0	Light brown sand/sandstone	Y ✓N	
18.0	34.0	16.0	Reddish brown sand/sandstone	Y ✓N	
34.0	40.0	6.0	Dark reddish brown silty shale HC odor @ 39'	Y ✓N	
40.0	42.0	2.0	Reddish brown and brown sandstone	Y ✓N	
42.0	49.0	7.0	Reddish brown silty shale	Y ✓N	
49.0	53.0	4.0	Greenish gray sand/sandstone	Y ✓N	
53.0	70.0	17.0	Purple brown silty sandstone	Y ✓N	
70.0	85.0	15.0	Light brown sand/sandstone	Y ✓N	
85.0	101.0	16.0	Green gray silty sandstone Damp @ 86'	✓Y N	
101.0	105.0	4.0	Gray silty sandstone/shale	✓Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Hydrocarbon present in soil

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SIGNATURE OF DRILLER / PRINT SIGNEE NAME

8/8/2017

DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

Appendix C
Laboratory Analytical Report

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

September 06, 2017

Christopher Knight
GHD Services
13091 Pond Springs Rd
Suite 100
Austin, TX 78729

RE: Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

Dear Christopher Knight:
Enclosed are the analytical results for sample(s) received by the laboratory on August 24, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC 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 Spiller

Alice Spiller
alice.spiller@pacelabs.com
(913)563-1409
Project Manager

Enclosures

cc: Chrissi Rubi, GHD Services
Evan Varnas, GHD Services

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 15-016-0
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
Kansas Field Laboratory Accreditation: # E-92587
Missouri Certification: 10070

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60251637001	**MW-16-082217**	Water	08/22/17 09:00	08/24/17 08:45
60251637002	**MW-17-082217**	Water	08/22/17 09:30	08/24/17 08:45
60251637003	**MW-21-082217**	Water	08/22/17 10:15	08/24/17 08:45
60251637004	**MW-8-082217**	Water	08/22/17 10:50	08/24/17 08:45
60251637005	**MW-3-082217**	Water	08/22/17 11:30	08/24/17 08:45
60251637006	**MW-10-082217**	Water	08/22/17 12:05	08/24/17 08:45
60251637007	**MW-11-082217**	Water	08/22/17 12:50	08/24/17 08:45
60251637008	**MW-13-082217**	Water	08/22/17 13:40	08/24/17 08:45
60251637009	**MW-15-082217**	Water	08/22/17 14:20	08/24/17 08:45
60251637010	**MW-24-082217**	Water	08/22/17 15:10	08/24/17 08:45
60251637011	**MW-5-082217**	Water	08/22/17 15:40	08/24/17 08:45
60251637012	**MW-2-082217**	Water	08/22/17 16:20	08/24/17 08:45
60251637013	**DUP-1-082217**	Water	08/22/17 08:00	08/24/17 08:45
60251637014	**DUP-2-082217**	Water	08/22/17 08:00	08/24/17 08:45
60251637015	**TRIP BLANK 1**	Water	08/22/17 08:00	08/24/17 08:45
60251637016	**TRIP BLANK 2**	Water	08/22/17 08:00	08/24/17 08:45

Pace Analytical Services, LLC
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Lenexa, KS 66219
(913)599-5665

SAMPLE ANALYTE COUNT

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60251637001	**MW-16-082217**	EPA 8260	PGH	8	PASI-K
		SM 2540C	JSS	1	PASI-K
		EPA 300.0	OL	2	PASI-K
		EPA 353.2	RAD	1	PASI-K
60251637002	**MW-17-082217**	EPA 8260	PGH	8	PASI-K
		SM 2540C	JSS	1	PASI-K
		EPA 300.0	OL	2	PASI-K
		EPA 353.2	RAD	1	PASI-K
60251637003	**MW-21-082217**	EPA 8260	PGH	8	PASI-K
		SM 2540C	JSS	1	PASI-K
		EPA 300.0	OL	2	PASI-K
		EPA 353.2	RAD	1	PASI-K
60251637004	**MW-8-082217**	EPA 8260	JTK, PGH	8	PASI-K
		SM 2540C	JSS	1	PASI-K
		EPA 300.0	OL	2	PASI-K
		EPA 353.2	RAD	1	PASI-K
60251637005	**MW-3-082217**	EPA 8260	JTK	8	PASI-K
		SM 2540C	JSS	1	PASI-K
		EPA 300.0	OL	2	PASI-K
		EPA 353.2	RAD	1	PASI-K
60251637006	**MW-10-082217**	EPA 8260	PGH	8	PASI-K
		SM 2540C	JSS	1	PASI-K
		EPA 300.0	OL	2	PASI-K
		EPA 353.2	RAD	1	PASI-K
60251637007	**MW-11-082217**	EPA 8260	PGH	8	PASI-K
		SM 2540C	JSS	1	PASI-K
		EPA 300.0	OL	2	PASI-K
		EPA 353.2	RAD	1	PASI-K
60251637008	**MW-13-082217**	EPA 8260	PGH	8	PASI-K
		SM 2540C	JSS	1	PASI-K
		EPA 300.0	OL	2	PASI-K
		EPA 353.2	RAD	1	PASI-K
60251637009	**MW-15-082217**	EPA 8260	PGH	8	PASI-K
		SM 2540C	JSS	1	PASI-K
		EPA 300.0	OL	2	PASI-K
		EPA 353.2	RAD	1	PASI-K
60251637010	**MW-24-082217**	EPA 8260	PGH	8	PASI-K

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE ANALYTE COUNT

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C	JSS	1	PASI-K
		EPA 300.0	OL	2	PASI-K
		EPA 353.2	RAD	1	PASI-K
60251637011	**MW-5-082217**	EPA 8260	JTK	8	PASI-K
		SM 2540C	JSS	1	PASI-K
		EPA 300.0	OL	2	PASI-K
		EPA 353.2	RAD	1	PASI-K
60251637012	**MW-2-082217**	EPA 8260	PGH	8	PASI-K
		SM 2540C	JSS	1	PASI-K
		EPA 300.0	OL	2	PASI-K
		EPA 353.2	RAD	1	PASI-K
60251637013	**DUP-1-082217**	EPA 8260	PGH	8	PASI-K
		SM 2540C	JSS	1	PASI-K
		EPA 300.0	OL	2	PASI-K
		EPA 353.2	RAD	1	PASI-K
60251637014	**DUP-2-082217**	EPA 8260	PGH	8	PASI-K
		SM 2540C	JSS	1	PASI-K
		EPA 300.0	OL	2	PASI-K
		EPA 353.2	RAD	1	PASI-K
60251637015	**TRIP BLANK 1**	EPA 8260	PGH	8	PASI-K
60251637016	**TRIP BLANK 2**	EPA 8260	PGH	8	PASI-K

Pace Analytical Services, LLC
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Lenexa, KS 66219
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ANALYTICAL RESULTS

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

Sample: MW-16-082217 **Lab ID: 60251637001** Collected: 08/22/17 09:00 Received: 08/24/17 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		08/24/17 16:32	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/24/17 16:32	100-41-4	
Toluene	ND	ug/L	1.0	1		08/24/17 16:32	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/24/17 16:32	1330-20-7	
Surrogates								
Toluene-d8 (S)	98	%	80-108	1		08/24/17 16:32	2037-26-5	
4-Bromofluorobenzene (S)	101	%	80-113	1		08/24/17 16:32	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	80-114	1		08/24/17 16:32	17060-07-0	
Preservation pH	**1.0**		1.0	1		08/24/17 16:32		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**746**	mg/L	5.0	1		08/26/17 12:45		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**179**	mg/L	10.0	10		09/01/17 18:24	16887-00-6	
Sulfate	**40.0**	mg/L	10.0	10		09/01/17 18:24	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		08/24/17 10:13		H1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

Sample: MW-17-082217 **Lab ID: 60251637002** Collected: 08/22/17 09:30 Received: 08/24/17 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		08/24/17 16:46	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/24/17 16:46	100-41-4	
Toluene	ND	ug/L	1.0	1		08/24/17 16:46	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/24/17 16:46	1330-20-7	
Surrogates								
Toluene-d8 (S)	98	%	80-108	1		08/24/17 16:46	2037-26-5	
4-Bromofluorobenzene (S)	99	%	80-113	1		08/24/17 16:46	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	80-114	1		08/24/17 16:46	17060-07-0	
Preservation pH	**1.0**		1.0	1		08/24/17 16:46		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1790**	mg/L	5.0	1		08/26/17 12:46		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**568**	mg/L	50.0	50		09/02/17 13:42	16887-00-6	
Sulfate	**237**	mg/L	20.0	20		09/02/17 13:27	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		08/24/17 10:14		H1

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ANALYTICAL RESULTS

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

Sample: MW-21-082217 **Lab ID: 60251637003** Collected: 08/22/17 10:15 Received: 08/24/17 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		08/24/17 17:00	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/24/17 17:00	100-41-4	
Toluene	ND	ug/L	1.0	1		08/24/17 17:00	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/24/17 17:00	1330-20-7	
Surrogates								
Toluene-d8 (S)	96	%	80-108	1		08/24/17 17:00	2037-26-5	
4-Bromofluorobenzene (S)	99	%	80-113	1		08/24/17 17:00	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	80-114	1		08/24/17 17:00	17060-07-0	
Preservation pH	**1.0**		1.0	1		08/24/17 17:00		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**3410**	mg/L	5.0	1		08/26/17 12:46		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1220**	mg/L	100	100		09/02/17 14:12	16887-00-6	
Sulfate	**220**	mg/L	20.0	20		09/02/17 13:57	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		08/24/17 09:53		

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ANALYTICAL RESULTS

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

Sample: MW-8-082217 **Lab ID: 60251637004** Collected: 08/22/17 10:50 Received: 08/24/17 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**10000**	ug/L	200	200		09/01/17 00:58	71-43-2	
Ethylbenzene	**301**	ug/L	50.0	50		08/24/17 19:08	100-41-4	
Toluene	**319**	ug/L	50.0	50		08/24/17 19:08	108-88-3	
Xylene (Total)	**195**	ug/L	150	50		08/24/17 19:08	1330-20-7	
Surrogates								
Toluene-d8 (S)	96	%	80-108	50		08/24/17 19:08	2037-26-5	
4-Bromofluorobenzene (S)	99	%	80-113	50		08/24/17 19:08	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	80-114	50		08/24/17 19:08	17060-07-0	
Preservation pH	**1.0**		1.0	50		08/24/17 19:08		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**2270**	mg/L	5.0	1		08/26/17 12:47		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**632**	mg/L	50.0	50		09/02/17 14:42	16887-00-6	
Sulfate	ND	mg/L	1.0	1		09/02/17 14:27	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		08/24/17 09:54		

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ANALYTICAL RESULTS

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

Sample: MW-3-082217 **Lab ID: 60251637005** Collected: 08/22/17 11:30 Received: 08/24/17 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**1730**	ug/L	25.0	25		08/31/17 01:35	71-43-2	
Ethylbenzene	**89.9**	ug/L	25.0	25		08/31/17 01:35	100-41-4	
Toluene	**37.5**	ug/L	25.0	25		08/31/17 01:35	108-88-3	
Xylene (Total)	ND	ug/L	75.0	25		08/31/17 01:35	1330-20-7	
Surrogates								
Toluene-d8 (S)	101	%	80-108	25		08/31/17 01:35	2037-26-5	
4-Bromofluorobenzene (S)	105	%	80-113	25		08/31/17 01:35	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-114	25		08/31/17 01:35	17060-07-0	
Preservation pH	**1.0**		1.0	25		08/31/17 01:35		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**2330**	mg/L	5.0	1		08/26/17 12:47		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**823**	mg/L	50.0	50		09/02/17 15:12	16887-00-6	
Sulfate	**7.4**	mg/L	1.0	1		09/02/17 14:57	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		08/24/17 09:55		

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ANALYTICAL RESULTS

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

Sample: MW-10-082217 **Lab ID: 60251637006** Collected: 08/22/17 12:05 Received: 08/24/17 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		08/24/17 17:15	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/24/17 17:15	100-41-4	
Toluene	ND	ug/L	1.0	1		08/24/17 17:15	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/24/17 17:15	1330-20-7	
Surrogates								
Toluene-d8 (S)	97	%	80-108	1		08/24/17 17:15	2037-26-5	
4-Bromofluorobenzene (S)	101	%	80-113	1		08/24/17 17:15	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	80-114	1		08/24/17 17:15	17060-07-0	
Preservation pH	**1.0**		1.0	1		08/24/17 17:15		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**6880**	mg/L	5.0	1		08/26/17 12:48		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**2340**	mg/L	200	200		09/02/17 16:11	16887-00-6	
Sulfate	**286**	mg/L	20.0	20		09/02/17 15:57	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	**2.6**	mg/L	0.10	1		08/24/17 09:56		

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ANALYTICAL RESULTS

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

Sample: MW-11-082217 **Lab ID: 60251637007** Collected: 08/22/17 12:50 Received: 08/24/17 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		08/24/17 17:29	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/24/17 17:29	100-41-4	
Toluene	ND	ug/L	1.0	1		08/24/17 17:29	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/24/17 17:29	1330-20-7	
Surrogates								
Toluene-d8 (S)	96	%	80-108	1		08/24/17 17:29	2037-26-5	
4-Bromofluorobenzene (S)	99	%	80-113	1		08/24/17 17:29	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	80-114	1		08/24/17 17:29	17060-07-0	
Preservation pH	**1.0**		1.0	1		08/24/17 17:29		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1800**	mg/L	5.0	1		08/26/17 12:48		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**492**	mg/L	50.0	50		09/02/17 16:26	16887-00-6	
Sulfate	**107**	mg/L	10.0	10		09/01/17 19:54	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	**4.5**	mg/L	0.10	1		08/24/17 09:57		

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ANALYTICAL RESULTS

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

Sample: MW-13-082217 **Lab ID: 60251637008** Collected: 08/22/17 13:40 Received: 08/24/17 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		08/24/17 17:43	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/24/17 17:43	100-41-4	
Toluene	ND	ug/L	1.0	1		08/24/17 17:43	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/24/17 17:43	1330-20-7	
Surrogates								
Toluene-d8 (S)	98	%	80-108	1		08/24/17 17:43	2037-26-5	
4-Bromofluorobenzene (S)	102	%	80-113	1		08/24/17 17:43	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	80-114	1		08/24/17 17:43	17060-07-0	
Preservation pH	**1.0**		1.0	1		08/24/17 17:43		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1040**	mg/L	5.0	1		08/26/17 12:49		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**200**	mg/L	20.0	20		09/02/17 16:41	16887-00-6	
Sulfate	**251**	mg/L	20.0	20		09/02/17 16:41	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	**15.9**	mg/L	0.50	5		08/24/17 10:08		

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ANALYTICAL RESULTS

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

Sample: MW-15-082217 **Lab ID: 60251637009** Collected: 08/22/17 14:20 Received: 08/24/17 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		08/24/17 17:57	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/24/17 17:57	100-41-4	
Toluene	ND	ug/L	1.0	1		08/24/17 17:57	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/24/17 17:57	1330-20-7	
Surrogates								
Toluene-d8 (S)	96	%	80-108	1		08/24/17 17:57	2037-26-5	
4-Bromofluorobenzene (S)	99	%	80-113	1		08/24/17 17:57	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-114	1		08/24/17 17:57	17060-07-0	
Preservation pH	**1.0**		1.0	1		08/24/17 17:57		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**575**	mg/L	5.0	1		08/26/17 12:49		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**139**	mg/L	10.0	10		09/02/17 16:56	16887-00-6	
Sulfate	**66.1**	mg/L	10.0	10		09/02/17 16:56	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		08/24/17 10:15		

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ANALYTICAL RESULTS

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

Sample: MW-24-082217 **Lab ID: 60251637010** Collected: 08/22/17 15:10 Received: 08/24/17 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**47.0**	ug/L	1.0	1		08/24/17 18:11	71-43-2	
Ethylbenzene	**3.5**	ug/L	1.0	1		08/24/17 18:11	100-41-4	
Toluene	ND	ug/L	1.0	1		08/24/17 18:11	108-88-3	
Xylene (Total)	**30.5**	ug/L	3.0	1		08/24/17 18:11	1330-20-7	
Surrogates								
Toluene-d8 (S)	101	%	80-108	1		08/24/17 18:11	2037-26-5	
4-Bromofluorobenzene (S)	102	%	80-113	1		08/24/17 18:11	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	80-114	1		08/24/17 18:11	17060-07-0	
Preservation pH	**1.0**		1.0	1		08/24/17 18:11		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1500**	mg/L	5.0	1		08/26/17 12:50		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**399**	mg/L	50.0	50		09/02/17 17:26	16887-00-6	
Sulfate	**4.0**	mg/L	1.0	1		09/02/17 17:11	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		08/24/17 09:59		

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ANALYTICAL RESULTS

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

Sample: MW-5-082217 **Lab ID: 60251637011** Collected: 08/22/17 15:40 Received: 08/24/17 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	10.0	10		08/31/17 01:50	71-43-2	
Ethylbenzene	ND	ug/L	10.0	10		08/31/17 01:50	100-41-4	
Toluene	ND	ug/L	10.0	10		08/31/17 01:50	108-88-3	
Xylene (Total)	ND	ug/L	30.0	10		08/31/17 01:50	1330-20-7	
Surrogates								
Toluene-d8 (S)	103	%	80-108	10		08/31/17 01:50	2037-26-5	
4-Bromofluorobenzene (S)	106	%	80-113	10		08/31/17 01:50	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-114	10		08/31/17 01:50	17060-07-0	
Preservation pH	**1.0**		1.0	10		08/31/17 01:50		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**2140**	mg/L	5.0	1		08/26/17 12:51		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**635**	mg/L	50.0	50		09/02/17 17:56	16887-00-6	
Sulfate	**3.8**	mg/L	1.0	1		09/02/17 17:41	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		08/24/17 10:02		

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ANALYTICAL RESULTS

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

Sample: MW-2-082217 **Lab ID: 60251637012** Collected: 08/22/17 16:20 Received: 08/24/17 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**57800**	ug/L	500	500		08/24/17 19:22	71-43-2	
Ethylbenzene	**694**	ug/L	500	500		08/24/17 19:22	100-41-4	
Toluene	**13000**	ug/L	500	500		08/24/17 19:22	108-88-3	
Xylene (Total)	ND	ug/L	1500	500		08/24/17 19:22	1330-20-7	
Surrogates								
Toluene-d8 (S)	96	%	80-108	500		08/24/17 19:22	2037-26-5	
4-Bromofluorobenzene (S)	101	%	80-113	500		08/24/17 19:22	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	80-114	500		08/24/17 19:22	17060-07-0	
Preservation pH	**1.0**		1.0	500		08/24/17 19:22		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**2550**	mg/L	5.0	1		08/26/17 12:51		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**614**	mg/L	50.0	50		09/02/17 18:55	16887-00-6	
Sulfate	**2.0**	mg/L	1.0	1		09/02/17 18:11	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		08/24/17 10:04		

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ANALYTICAL RESULTS

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

Sample: DUP-1-082217 **Lab ID: 60251637013** Collected: 08/22/17 08:00 Received: 08/24/17 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		08/24/17 18:25	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/24/17 18:25	100-41-4	
Toluene	ND	ug/L	1.0	1		08/24/17 18:25	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/24/17 18:25	1330-20-7	
Surrogates								
Toluene-d8 (S)	96	%	80-108	1		08/24/17 18:25	2037-26-5	
4-Bromofluorobenzene (S)	98	%	80-113	1		08/24/17 18:25	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	80-114	1		08/24/17 18:25	17060-07-0	
Preservation pH	**1.0**		1.0	1		08/24/17 18:25		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**7230**	mg/L	5.0	1		08/26/17 12:51		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**2330**	mg/L	200	200		09/02/17 19:25	16887-00-6	
Sulfate	**282**	mg/L	20.0	20		09/02/17 19:10	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	**1.8**	mg/L	0.10	1		08/24/17 10:12		H3

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ANALYTICAL RESULTS

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

Sample: DUP-2-082217 **Lab ID: 60251637014** Collected: 08/22/17 08:00 Received: 08/24/17 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**52.3**	ug/L	1.0	1		08/24/17 18:40	71-43-2	
Ethylbenzene	**3.8**	ug/L	1.0	1		08/24/17 18:40	100-41-4	
Toluene	ND	ug/L	1.0	1		08/24/17 18:40	108-88-3	
Xylene (Total)	**33.7**	ug/L	3.0	1		08/24/17 18:40	1330-20-7	
Surrogates								
Toluene-d8 (S)	98	%	80-108	1		08/24/17 18:40	2037-26-5	
4-Bromofluorobenzene (S)	102	%	80-113	1		08/24/17 18:40	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	80-114	1		08/24/17 18:40	17060-07-0	
Preservation pH	**1.0**		1.0	1		08/24/17 18:40		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1540**	mg/L	5.0	1		08/26/17 12:52		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**387**	mg/L	50.0	50		09/02/17 19:55	16887-00-6	
Sulfate	**3.7**	mg/L	1.0	1		09/02/17 19:40	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		08/24/17 10:10		H3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

Sample: TRIP BLANK 1 **Lab ID: 60251637015** Collected: 08/22/17 08:00 Received: 08/24/17 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		08/24/17 16:04	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/24/17 16:04	100-41-4	
Toluene	ND	ug/L	1.0	1		08/24/17 16:04	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/24/17 16:04	1330-20-7	
Surrogates								
Toluene-d8 (S)	96	%	80-108	1		08/24/17 16:04	2037-26-5	
4-Bromofluorobenzene (S)	102	%	80-113	1		08/24/17 16:04	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	80-114	1		08/24/17 16:04	17060-07-0	
Preservation pH	**1.0**		1.0	1		08/24/17 16:04		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

Sample: TRIP BLANK 2 **Lab ID: 60251637016** Collected: 08/22/17 08:00 Received: 08/24/17 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		08/24/17 16:18	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/24/17 16:18	100-41-4	
Toluene	ND	ug/L	1.0	1		08/24/17 16:18	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/24/17 16:18	1330-20-7	
Surrogates								
Toluene-d8 (S)	99	%	80-108	1		08/24/17 16:18	2037-26-5	
4-Bromofluorobenzene (S)	101	%	80-113	1		08/24/17 16:18	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	80-114	1		08/24/17 16:18	17060-07-0	
Preservation pH	**1.0**		1.0	1		08/24/17 16:18		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

QC Batch: 491373 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60251637001, 60251637002, 60251637003, 60251637004, 60251637006, 60251637007, 60251637008, 60251637009, 60251637010, 60251637012, 60251637013, 60251637014, 60251637015, 60251637016

METHOD BLANK: 2011133 Matrix: Water
Associated Lab Samples: 60251637001, 60251637002, 60251637003, 60251637004, 60251637006, 60251637007, 60251637008, 60251637009, 60251637010, 60251637012, 60251637013, 60251637014, 60251637015, 60251637016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	08/24/17 15:50	
Ethylbenzene	ug/L	ND	1.0	08/24/17 15:50	
Toluene	ug/L	ND	1.0	08/24/17 15:50	
Xylene (Total)	ug/L	ND	3.0	08/24/17 15:50	
1,2-Dichloroethane-d4 (S)	%	100	80-114	08/24/17 15:50	
4-Bromofluorobenzene (S)	%	102	80-113	08/24/17 15:50	
Toluene-d8 (S)	%	99	80-108	08/24/17 15:50	

LABORATORY CONTROL SAMPLE: 2011134

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	21.6	108	82-115	
Ethylbenzene	ug/L	20	20.6	103	83-112	
Toluene	ug/L	20	20.8	104	78-113	
Xylene (Total)	ug/L	60	62.1	104	83-114	
1,2-Dichloroethane-d4 (S)	%			97	80-114	
4-Bromofluorobenzene (S)	%			98	80-113	
Toluene-d8 (S)	%			100	80-108	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

QC Batch: 492285 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60251637005, 60251637011

METHOD BLANK: 2014429 Matrix: Water
Associated Lab Samples: 60251637005, 60251637011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	08/31/17 00:19	
Ethylbenzene	ug/L	ND	1.0	08/31/17 00:19	
Toluene	ug/L	ND	1.0	08/31/17 00:19	
Xylene (Total)	ug/L	ND	3.0	08/31/17 00:19	
1,2-Dichloroethane-d4 (S)	%	102	80-114	08/31/17 00:19	
4-Bromofluorobenzene (S)	%	106	80-113	08/31/17 00:19	
Toluene-d8 (S)	%	100	80-108	08/31/17 00:19	

LABORATORY CONTROL SAMPLE: 2014430

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	18.1	91	82-115	
Ethylbenzene	ug/L	20	19.6	98	83-112	
Toluene	ug/L	20	18.6	93	78-113	
Xylene (Total)	ug/L	60	59.4	99	83-114	
1,2-Dichloroethane-d4 (S)	%			101	80-114	
4-Bromofluorobenzene (S)	%			105	80-113	
Toluene-d8 (S)	%			102	80-108	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

QC Batch: 492457
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60251637004

METHOD BLANK: 2015030 Matrix: Water
Associated Lab Samples: 60251637004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	08/31/17 20:55	
1,2-Dichloroethane-d4 (S)	%	104	80-114	08/31/17 20:55	
4-Bromofluorobenzene (S)	%	106	80-113	08/31/17 20:55	
Toluene-d8 (S)	%	101	80-108	08/31/17 20:55	

LABORATORY CONTROL SAMPLE: 2015031

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	17.9	89	82-115	
1,2-Dichloroethane-d4 (S)	%			101	80-114	
4-Bromofluorobenzene (S)	%			104	80-113	
Toluene-d8 (S)	%			102	80-108	

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QUALITY CONTROL DATA

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

QC Batch: 491616 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 60251637001, 60251637002, 60251637003, 60251637004, 60251637005, 60251637006, 60251637007, 60251637008, 60251637009, 60251637010, 60251637011, 60251637012, 60251637013, 60251637014

METHOD BLANK: 2012339 Matrix: Water
Associated Lab Samples: 60251637001, 60251637002, 60251637003, 60251637004, 60251637005, 60251637006, 60251637007, 60251637008, 60251637009, 60251637010, 60251637011, 60251637012, 60251637013, 60251637014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	08/26/17 12:41	

LABORATORY CONTROL SAMPLE: 2012340

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1000	990	99	80-120	

SAMPLE DUPLICATE: 2012341

Parameter	Units	60251427001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	317	309	3	10	

SAMPLE DUPLICATE: 2012342

Parameter	Units	60251637005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2330	2340	1	10	

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QUALITY CONTROL DATA

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

QC Batch: 492590 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 60251637001, 60251637007

METHOD BLANK: 2015484 Matrix: Water
Associated Lab Samples: 60251637001, 60251637007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	09/01/17 15:10	
Sulfate	mg/L	ND	1.0	09/01/17 15:10	

LABORATORY CONTROL SAMPLE: 2015485

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	4.7	94	90-110	
Sulfate	mg/L	5	4.8	96	90-110	

MATRIX SPIKE SAMPLE: 2015488

Parameter	Units	60251516001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	4.2	5	9.1	100	80-120	
Sulfate	mg/L	4.6	5	9.7	103	80-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

QC Batch: 492642 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 60251637002, 60251637003, 60251637004, 60251637005, 60251637006, 60251637007, 60251637008, 60251637009, 60251637010, 60251637011, 60251637012, 60251637013, 60251637014

METHOD BLANK: 2015839 Matrix: Water
Associated Lab Samples: 60251637002, 60251637003, 60251637004, 60251637005, 60251637006, 60251637007, 60251637008, 60251637009, 60251637010, 60251637011, 60251637012, 60251637013, 60251637014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	09/02/17 09:08	
Sulfate	mg/L	ND	1.0	09/02/17 09:08	

LABORATORY CONTROL SAMPLE: 2015840

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	4.8	95	90-110	
Sulfate	mg/L	5	4.8	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2015841 2015842

Parameter	Units	40155740006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	23.1	10	10	33.6	33.9	105	108	80-120	1	15	

MATRIX SPIKE SAMPLE: 2015843

Parameter	Units	7572452001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	23.8	25	47.5	95	80-120	
Sulfate	mg/L	65.2	25	87.9	91	80-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

QC Batch: 491273 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 60251637001, 60251637002, 60251637003, 60251637004, 60251637005, 60251637006, 60251637007, 60251637008, 60251637009, 60251637010, 60251637011, 60251637012, 60251637013, 60251637014

METHOD BLANK: 2010808 Matrix: Water
Associated Lab Samples: 60251637001, 60251637002, 60251637003, 60251637004, 60251637005, 60251637006, 60251637007, 60251637008, 60251637009, 60251637010, 60251637011, 60251637012, 60251637013, 60251637014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	08/24/17 09:51	

LABORATORY CONTROL SAMPLE: 2010809

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.1	106	70-130	

MATRIX SPIKE SAMPLE: 2010810

Parameter	Units	60251637011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.0	105	70-130	

MATRIX SPIKE SAMPLE: 2010830

Parameter	Units	60251631002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.1	1	2.1	101	70-130	

SAMPLE DUPLICATE: 2010811

Parameter	Units	60251637012 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	ND	ND		20	

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QUALIFIERS

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

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.

TNTC - Too Numerous To Count

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: 491373

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

Batch: 492285

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

Batch: 492457

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

ANALYTE QUALIFIERS

H1	Analysis conducted outside the EPA method holding time.
H3	Sample was received or analysis requested beyond the recognized method holding time.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60251637001	MW-16-082217	EPA 8260	491373		
60251637002	MW-17-082217	EPA 8260	491373		
60251637003	MW-21-082217	EPA 8260	491373		
60251637004	MW-8-082217	EPA 8260	491373		
60251637004	MW-8-082217	EPA 8260	492457		
60251637005	MW-3-082217	EPA 8260	492285		
60251637006	MW-10-082217	EPA 8260	491373		
60251637007	MW-11-082217	EPA 8260	491373		
60251637008	MW-13-082217	EPA 8260	491373		
60251637009	MW-15-082217	EPA 8260	491373		
60251637010	MW-24-082217	EPA 8260	491373		
60251637011	MW-5-082217	EPA 8260	492285		
60251637012	MW-2-082217	EPA 8260	491373		
60251637013	DUP-1-082217	EPA 8260	491373		
60251637014	DUP-2-082217	EPA 8260	491373		
60251637015	TRIP BLANK 1	EPA 8260	491373		
60251637016	TRIP BLANK 2	EPA 8260	491373		
60251637001	MW-16-082217	SM 2540C	491616		
60251637002	MW-17-082217	SM 2540C	491616		
60251637003	MW-21-082217	SM 2540C	491616		
60251637004	MW-8-082217	SM 2540C	491616		
60251637005	MW-3-082217	SM 2540C	491616		
60251637006	MW-10-082217	SM 2540C	491616		
60251637007	MW-11-082217	SM 2540C	491616		
60251637008	MW-13-082217	SM 2540C	491616		
60251637009	MW-15-082217	SM 2540C	491616		
60251637010	MW-24-082217	SM 2540C	491616		
60251637011	MW-5-082217	SM 2540C	491616		
60251637012	MW-2-082217	SM 2540C	491616		
60251637013	DUP-1-082217	SM 2540C	491616		
60251637014	DUP-2-082217	SM 2540C	491616		
60251637001	MW-16-082217	EPA 300.0	492590		
60251637002	MW-17-082217	EPA 300.0	492642		
60251637003	MW-21-082217	EPA 300.0	492642		
60251637004	MW-8-082217	EPA 300.0	492642		
60251637005	MW-3-082217	EPA 300.0	492642		
60251637006	MW-10-082217	EPA 300.0	492642		
60251637007	MW-11-082217	EPA 300.0	492590		
60251637007	MW-11-082217	EPA 300.0	492642		
60251637008	MW-13-082217	EPA 300.0	492642		
60251637009	MW-15-082217	EPA 300.0	492642		
60251637010	MW-24-082217	EPA 300.0	492642		
60251637011	MW-5-082217	EPA 300.0	492642		
60251637012	MW-2-082217	EPA 300.0	492642		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 075018 P66 MALJAMAR GAS PLANT
Pace Project No.: 60251637

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60251637013	**DUP-1-082217**	EPA 300.0	492642		
60251637014	**DUP-2-082217**	EPA 300.0	492642		
60251637001	**MW-16-082217**	EPA 353.2	491273		
60251637002	**MW-17-082217**	EPA 353.2	491273		
60251637003	**MW-21-082217**	EPA 353.2	491273		
60251637004	**MW-8-082217**	EPA 353.2	491273		
60251637005	**MW-3-082217**	EPA 353.2	491273		
60251637006	**MW-10-082217**	EPA 353.2	491273		
60251637007	**MW-11-082217**	EPA 353.2	491273		
60251637008	**MW-13-082217**	EPA 353.2	491273		
60251637009	**MW-15-082217**	EPA 353.2	491273		
60251637010	**MW-24-082217**	EPA 353.2	491273		
60251637011	**MW-5-082217**	EPA 353.2	491273		
60251637012	**MW-2-082217**	EPA 353.2	491273		
60251637013	**DUP-1-082217**	EPA 353.2	491273		
60251637014	**DUP-2-082217**	EPA 353.2	491273		

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Sample Condition Upon Receipt
ESI Tech Spec Client

WO# : 60251637

60251637

Client Name: GHD

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

Tracking #: 7285 6595 7842, 7820 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: (CF 0.0) T-260 / (CF +0.3) T-239 **Type of Ice:** (Wet) Blue None

Cooler Temperature (°C): As-read 5.1/4.2 Corr. Factor (CF 0.0) (CF +0.3) Corrected 5.1/4.2

Temperature should be above freezing to 6°C

Date and initials of person examining contents: DW 8/24/17

Chain of Custody present:	☑Yes ☐No ☐N/A	
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	
Samples arrived within holding time:	☑Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☑Yes ☐No ☐N/A	NO3
Rush Turn Around Time requested:	☐Yes ☑No ☐N/A	
Sufficient volume:	☑Yes ☐No ☐N/A	MW-16 and 17 NO3 was
Correct containers used:	☑Yes ☐No ☐N/A	receive with hold but not
Pace containers used:	☑Yes ☐No ☐N/A	enough time to process the tst.
Containers intact:	☑Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐Yes ☐No ☑N/A	
Filtered volume received for dissolved tests?	☐Yes ☐No ☑N/A	
Sample labels match COC: Date / time / ID / analyses	☑Yes ☐No ☐N/A	
Samples contain multiple phases? Matrix: WT	☐Yes ☑No ☐N/A	
Containers requiring pH preservation in compliance? (HNO_3, H_2SO_4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	☑Yes ☐No ☐N/A	
Cyanide water sample checks: ☑N/A Lead acetate strip turns dark? (Record only) Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No ☐Yes ☐No	
Trip Blank present:	☑Yes ☐No ☐N/A	
Headspace in VOA vials (>6mm):	☐Yes ☑No ☐N/A	
Samples from USDA Regulated Area: State:	☐Yes ☐No ☑N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☐No ☑N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

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

Start: 0910	Start:
End: 0922	End:
Temp:	Temp:

CHAIN-OF-CUSTODY / Analytical Request Document

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

Pace Analytical

Page : 1 Of 2

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: GHD Services Phillips 66 Oklahoma	Report To: Christopher Knight	Attention:
Address: 13091 Pond Springs Road	Copy To:	Company Name:
Austin, TX 78729		Address:
Email: christopher.knight@ghd.com	Purchase Order #:	Pace Quote:
Phone: 512-777-5833 Fax:	Project Name: 075018 P66 Maljamar Gas Plant	Pace Project Manager: alice.spiller@pacelabs.com,
Requested Due Date:	Project #:	Pace Profile #: 9685

Regulatory Agency:

State / Location: NM

SAMPLE ID — One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique

MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	START TIME	END DATE	END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Chloride,Sulfate,Nitrate	TDS	8260 BTEX	Residual Chlorine (Y/N)	6025163S
1	mw-16-082217			8-22-17	900				5				X						X	X	X		3D6GH 2B P3U a1
2	mw-17-082217			↓	930				↓				↓						↓	↓	↓		↓ a2
3	mw-21-082217				1015																		a3
4	mw-8-082217				1050																		a4
5	mw-3-082217				1130																		a5
6	mw-10-082217				1205																		a6
7	mw-11-082217				1250																		a7
8	mw-13-082217				1340																		a8
9	mw-15-082217				1420																		a9
10	mw-24-082217				1510																		a10
11	mw-5-082217				1540																		a11
12	mw-2-082217			↓	1620				↓				↓						↓	↓	↓		↓ a12

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature] GHD	8-23-17	1030	[signature] PACE	8/24/17	0845	5.1	Y	Y	Y
							4.2	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Mixon

SIGNATURE of SAMPLER: [signature] DATE Signed: 8-22-17

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page : 2 Of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GHD Services Phillips 66 Oklahoma	Report To:	Christopher Knight	Attention:	
Address:	13091 Pond Springs Road	Copy To:		Company Name:	
Austin, TX 78729				Address:	
Email:	christopher.knight@ghd.com	Purchase Order #:		Pace Quote:	
Phone:	512-777-5833 Fax:	Project Name:	075018 P66 Maljamar Gas Plant	Pace Project Manager:	alice.spiller@pacelabs.com,
Requested Due Date:		Project #:		Pace Profile #:	9685

Regulatory Agency	
State / Location	NM

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Chloride, Sulfate, Nitrate	TDS	8260 BTEX	Residual Chlorine (Y/N)	60251637
1	Dup-1 -082217			8-22-17	—		—		5										X	X	X		3D69H 2B834 003
2	Dup-2-082217				—		—		5										X	X	X		↓ ↓ 004
3	TripBlank				—		—		2												X		2D69H 005
4	TripBlank			↓	—		—		2												X		↓ 006
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	GHD	8-23-17	1030	PACE	8/24/17	0845

SAMPLE CONDITIONS				
	TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
5.1	X	X	X	
4.2	X	X	X	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Nixon

SIGNATURE of SAMPLER: DATE Signed: 8-22-17

Appendix D
Historical Extraction Well Recovery Volumes - MW 6

AcuVac Remediation, LLC
1656-H Townhurst, Houston, Texas 77043
713.468.6688 • www.acuvac.com

May 15, 2017

Ms. Chrissi Ruby
Project Manager
GHD Services, Inc.
Golden, CO

Dear Chrissi:

Re: Event #1- Maljamar Gas Plant, Maljamar, NM, Project # 075018

At your request, we performed four Mobile Dual Phase Extraction (MDPE) Events; Event #1A on well MW-7, Event #1B on well MW-1, Event #1C on well MW-9 and Event #1D on well MW-4 at the above referenced site on May 9, 10, 11 and 12, 2017. Following is the Event Report and a copy of the Operating Data collected during Event #1. Additionally, Table #1 contains the Summary Well Data, and Table #2 contains the Summary Recovery Data.

An MDPE Event is designed to maximize the recovery of Phase Separated Hydrocarbons (PSH) through the use of controlled vacuum and groundwater pumping. The recovery was monitored throughout the course of the event. Adjustments were made to the induced vacuum and groundwater pumping as appropriate to achieve the stated goal. PSH is referred to as Light Non-Aqueous Phase Liquids (LNAPL). The source of the LNAPL is a historical release of natural gas condensate.

OBJECTIVES

The Objectives of the MDPE event were to:

- Evaluate the potential for removing liquid and vapor phase LNAPL from the groundwater and soils in the subsurface formations within the influence of the extraction well.
- Expose the capillary fringe area and below to the extraction well induced vacuums.
- Increase the groundwater and contaminant specific yields with high induced vacuums.
- Provide an induced hydraulic gradient to gain hydraulic control of the area during the event period.

METHODS AND EQUIPMENT

AcuVac owns and maintains an inventory of equipment to perform MDPE events. No third party equipment was utilized. The events at the above referenced site were conducted using the AcuVac I-6 System with a Roots RAI-33 blower used as a vacuum pump and Roots RAI-22 positive displacement blower. The following table lists equipment and instrumentation employed in these events and the data captured by each.

Instrumentation Employed by AcuVac	
Measurement Equipment	Data Element
Extraction Well Induced Vacuum and Flow	
Dwyer Magnehelic Gauges	Extraction Well Vacuum
Dwyer Averaging Pitot Tubes / Magnehelic Gauges	Extractions Well Vapor Flow
Observation Wells	
Dwyer Digital Manometer	Vacuum / Pressure Influence
Well Vapor Samples	
V-1 vacuum box	Extraction Well Non-Diluted Vapor Samples
HORIBA® Analyzer	Extraction Well Vapor LNAPL Concentration
Lumidor MicroMax Pro O_2 Monitor	Extraction Well Vapor Oxygen Content
LNAPL Thickness (if present)	
Solinst Interface Probes Model 122	Depth to LNAPL and Depth to Groundwater
Liquid Recovery	
Blancett 1100 Turbine Flow Meter	Liquid Flow and Total Volume
Blancett B3000 Flow Monitor	Liquid Flow and Total Volume
Grundfos Redi-Flo 2 Total Fluids Pump	Liquid Volume
Grundfos/Baldor Electronic Pump Controller	Pump Speed, Other Diagnostics
Groundwater Depression / Upwelling	
In-Situ Level Troll 700 Data Logger	Liquid Column in Extraction and Observation Wells
In-Situ Vented Cable with Chamber	Equalize Well Vacuum/Pressure
In-Situ Rugged Reader Data Logger Interface	Capture Readings from Data Logger Trolls
Atmospheric Conditions	
Testo Model 511	Relative and Absolute Barometric Pressure

The vacuum extraction portion of the AcuVac System consists of a vacuum pump driven by an internal combustion (IC) engine. The vacuum pump is connected to the extraction well and the vacuum created on the extraction well causes light hydrocarbons in the soil and on the groundwater to volatilize and flow through a moisture knockout tank to the vacuum pump and IC engine where they are burned as part of the normal combustion process. Propane is used as auxiliary fuel to help power the engine if the well vapors do not provide the required energy.

AcuVac utilizes a HORIBA® Analyzer to test the Total Petroleum Hydrocarbons (TPH) contained in the extraction well vapors. A non-diluted vapor sample is obtained from the AcuVac well manifold. The non-diluted vapor sample is then processed by the HORIBA® to determine the TPH content. Well vapor samples are obtained throughout the event to calculate the TPH vapors burned as IC engine fuel. The manifold is designed to enable all of the induced well vacuum to be applied to the entire available well screen to ensure a representative vapor sample.

The AcuVac internal combustion engine is fully loaded for the maximum power necessary to achieve and maintain high induced vacuums and/or high well vapor flows required to maximize the vacuum radius of influence for pilot tests and short term event remediation. Emissions from the engine are passed through two of three catalytic converters to ensure maximum destruction of removed hydrocarbon vapors. The engine's fuel-to-air ratio can be adjusted to maintain efficient combustion. Because the engine is the power source for all equipment, all systems stop when the engine stops, thus eliminating any uncontrolled release of hydrocarbons. Since the AcuVac System is held entirely under vacuum, any leaks in the seals or connections are leaked into the AcuVac System and not emitted into the atmosphere. The engine is automatically shut down by vacuum loss, low oil pressure, over speed, or overheating.

Groundwater extraction is provided by an in-well, Redi-Flo 2 total fluids pump that has the discharge line connected to a total volume meter. The discharge line from the volume meter is then connected to the stand-by collection tank. The electrical power for the groundwater pump was supplied from a 120v Honda generator. The groundwater flow rate can be adjusted to maintain a target level. Interface meters are used to collect depth to groundwater and depth to LNAPL measurements. Groundwater samples were taken periodically in a graduated cylinder to determine the average liquid LNAPL percentages and volume.

The design of the AcuVac System enables independent control of both the induced well vacuum and the groundwater pumping functions such that the AcuVac team can control the induced hydraulic gradient to increase exposure of the formation to SVE. The ability to separate the vacuum and liquid flows within the extraction well improves the LNAPL recovery rates and enables the AcuVac team to record data specific to each media.

RECOVERY SUMMARY FOR MDPE EVENT #1

The following table summarizes the groundwater and NAPL recovery data for Event #1.

	1A MW-7	1B MW-1	1C MW-9	1D MW-4	Total Event #1
Event Hours	8.0	8.0	8.0	8.0	32.0
Groundwater Recovery	284	175	257	815	1,531
LNAPL Recovery					
Liquid	4.26	4.37	30.50	8.62	47.75
Vapor	1.94	3.60	3.22	6.31	15.07
Total	6.20	7.97	33.72	14.93	62.82
Gallons/Hour	**0.78**	**1.00**	**4.22**	**1.87**	**1.96**

Event #1 was conducted over a four day period. In the days after each event was performed, the corresponding well was gauged each subsequent day to determine the extent of the rebound, if any, in each well. The gauging data for Event #1 is contained in Table #1 on the following page.

EXTRACTION AND OBSERVATION WELLS
LNAPL THICKNESS DATA
EVENT #1
TABLE #1

		MW-7	SK-1	SK-2	MW-1	MW-9	MW-4
Well Data							
TD	BTOC ft	100.0	105.0	105.0	93.0	100.0	105.0
Screen	BTOC ft	70.0 - 100.0	85.0 - 105.0	85.0 - 105.0	73.0 - 93.0	80.0 - 100.0	85.0 - 105.0
Well Size	in	2.0	2.0	2.0	2.0	2.0	2.0
Day One Start Data - 05/09/2017 0730 Hrs							
DTGW	BTOC ft	75.71	75.58	75.21	-	-	-
DTGW Hydro Equivalent	BTOC ft	73.11	75.57	74.77	-	-	-
DTNAPL	BTOC ft	72.20	75.57	74.62	-	-	-
NAPL Thickness	ft	**3.51**	**0.01**	**0.59**	**-**	**-**	**-**
Day One Stop Data - 05/09/2017 1550 Hrs							
DTGW	BTOC ft	80.30	79.38	75.51	-	-	-
DTGW Hydro Equivalent	BTOC ft	79.92	79.37	75.07	-	-	-
DTNAPL	BTOC ft	79.78	79.36	74.91	-	-	-
NAPL Thickness	ft	0.52	0.02	0.60	-	-	-
Change In NAPL Thickness- Day One		**-2.99**	**0.01**	**0.01**	**-**	**-**	**-**
Day Two Start Data - 05/10/2017 0730 Hrs							
DTGW	BTOC ft	74.62	-	-	85.63	-	-
DTGW Hydro Equivalent	BTOC ft	73.54	-	-	80.51	-	-
DTNAPL	BTOC ft	73.16	-	-	78.71	-	-
NAPL Thickness	ft	1.46	-	-	6.92	-	-
Day Two Stop Data - 05/10/2017 1530 Hrs							
DTGW	BTOC ft	-	-	-	85.95	-	-
DTGW Hydro Equivalent	BTOC ft	-	-	-	85.28	-	-
DTNAPL	BTOC ft	-	-	-	85.04	-	-
NAPL Thickness	ft	-	-	-	0.91	-	-
Change In NAPL Thickness- Day Two		**0.94**	**-**	**-**	**-6.01**	**-**	**-**
Day Three Start Data - 05/11/2017 0730 Hrs							
DTGW	BTOC ft	74.60	75.96	75.57	81.61	87.58	-
DTGW Hydro Equivalent	BTOC ft	73.22	75.95	75.12	80.50	83.41	-
DTNAPL	BTOC ft	72.73	75.95	74.96	80.11	81.94	-
NAPL Thickness	ft	1.87	0.01	0.61	1.50	5.64	-
Day Three Stop Data - 05/11/2017 1530 Hrs							
DTGW	BTOC ft	-	-	-	-	87.47	-
DTGW Hydro Equivalent	BTOC ft	-	-	-	-	85.03	-
DTNAPL	BTOC ft	-	-	-	-	84.17	-
NAPL Thickness	ft	-	-	-	-	3.30	-
Change In NAPL Thickness- Day Three		**0.41**	**-0.01**	**0.01**	**0.59**	**-2.34**	**-**
Day Four Start Data - 05/12/2017 0545 Hrs							
DTGW	BTOC ft	74.64	76.03	75.63	81.66	86.75	97.06
DTGW Hydro Equivalent	BTOC ft	73.29	76.02	75.19	80.56	83.75	96.56
DTNAPL	BTOC ft	72.81	76.02	75.03	80.17	82.69	96.38
NAPL Thickness	ft	1.83	0.01	0.60	1.49	4.06	0.68
Day Four Stop Data - 05/12/2017 1345 Hrs							
DTGW	BTOC ft	-	-	-	-	-	99.32
DTGW Hydro Equivalent	BTOC ft	-	-	-	-	-	98.85
DTNAPL	BTOC ft	-	-	-	-	-	98.69
NAPL Thickness	ft	-	-	-	-	-	0.63
Change In NAPL Thickness- Day Four		**-0.04**	**0.00**	**-0.01**	**-0.01**	**0.76**	**-0.05**
CHANGE IN NAPL THICKNESS EVENT #1		**-1.68**	**0.00**	**0.01**	**-5.43**	**-1.58**	**-0.05**

Specific Gravity 0.74

SUMMARY OF MDPE EVENT #1A- WELL MW-7

- The total event time was 8.0 hours. The event was conducted on May 9, 2017. This was the first event completed from well MW-7, and therefore, there was no comparative data from this well.
- The total liquid volume recovered was 284 gals, of which 4.26 gals or 1.50% of liquid LNAPL was recovered.
- Based on the HORIBA® analytical data, total vapor LNAPL burned as IC engine fuel was 1.94 gals, for a total liquid and vapor LNAPL recovery of 6.20 gals, or 0.78 gals per hour.
- Average HORIBA® analytical data from the influent vapor samples was: TPH = 26,933 ppmv, Carbon dioxide (CO_2) = 3.10%, Carbon monoxide (CO) = 0.27%, Oxygen (O_2) = 11.8% and Hydrogen sulfide (H_2S) =0 ppm.
- The maximum HORIBA® analytical data from the influent vapor samples for TPH was 29,220 ppmv.
- The average extraction well induced vacuum was 83.53 inches of water ("H_2O) with a maximum vacuum of 130.00"H_2O.
- The average extraction well vapor flow was 4.17 scfm with a maximum well vapor flow of 5.48 scfm.
- The groundwater pump inlet was initially set at approximately 76.1 ft BTOC. At 0830 hrs, the groundwater pump was repositioned at 90.0 ft BTOC approximately 5.0 ft above the well bottom to increase liquid recovery. The average groundwater pump rate for Event #1A was 0.56 gpm, and the maximum groundwater pump rate was 0.79 gpm.
- The average groundwater depression, based on the positioning of the groundwater pump, was approximately 14.47 ft below the hydro-equivalent static level.
- An LNAPL thickness of 3.51 ft was recorded in well MW-7 prior to the start of Event #1A, and an LNAPL thickness of 0.52 ft was recorded at the conclusion of the Event #1A.

The total LNAPL removed, including liquid and vapor, during the 8.0 hour Event #1A, Well MW-7, was 6.20 gals.

ADDITIONAL INFORMATION

- Initially, the groundwater pump was positioned approximately 3.0 ft below the hydro-equivalent. At 0830 hrs, the pump was repositioned to approximately 90.0 ft BTOC, or 5.0 ft above the well bottom.
- Well MW-7 produced a low volume of liquid. This combined with the fact that it is 2.0 inch well, limited the amount of vacuum that could be applied to the well. High induced vacuum tended to pull the liquid past the inlet of the in-well pump limiting the liquid recovery that could be achieved.
- From 0730 hrs until 0930 hrs, the induced well vacuum and the groundwater pump were monitored and adjusted to create a steady liquid flow from well MW-7. At approximately 0930 hrs, a steady pump rate and corresponding constant groundwater depression were achieved.
- During the course of Event #1, the groundwater level in wells SK-1 (6.50 ft) and well SK-2 (15.70 ft) were monitored to determine the effect, if any of the groundwater on the hydro equivalent in each well. At the conclusion of Event #1A, the hydro equivalent in well SK-1 had been reduced from 75.57 ft BTOC to 79.37 ft BTOC and decrease of 3.80 ft. for well SK-2, the hydro equivalent had been reduced from 74.77 ft BTOC to 75.07 ft BTOC, a

decrease of 0.30 ft. This indicates a very limited induced hydraulic gradient radius of influence.

- Well MW-7 was gauged on May 10, 2017, approximately 20 hours after the conclusion of Event #1A, and the LNAPL thickness had increased from 0.52 at the conclusion of the event to 1.46 ft. Well MW-7 was gauged on May 11, 2017, and the LNAPL thickness had increased to 1.87 ft. On May 12, 2017, well MW-7 was gauged and the LNAPL thickness had decreased to 1.83 ft., or 1.68 ft less than the LNAPL prior to the start of Event #1A.
- The LNAPL recovery rate was determined by gauging the collection tank at the end of the event and calculating the volume of LNAPL.
- The low amount of vapor burned as fuel was due to the low well vapor flow.

SUMMARY OF MDPE EVENT #1B- WELL MW-1

- The total event time was 8.0 hours. The event was conducted on May 10, 2017. This was the first event completed from well MW-1, and therefore, there was no comparative data from this well.
- The total liquid volume recovered was 175 gals, of which 4.37 gals or 2.50% of liquid LNAPL was recovered.
- Based on the HORIBA® analytical data, total vapor LNAPL burned as IC engine fuel was 3.60 gals, for a total liquid and vapor LNAPL recovery of 7.97 gals, or 1.00 gals per hour.
- Average HORIBA® analytical data from the influent vapor samples was: TPH = 26,000 ppmv, CO_2 = 6.48%, CO = 0.13%, O_2 = 10.2% and H_2S = 0 ppm.
- The maximum HORIBA® analytical data from the influent vapor samples for TPH was 28,260 ppmv.
- The average extraction well induced vacuum was 102.94"H_2O with a maximum vacuum of 110.00"H_2O.
- The average extraction well vapor flow was 8.01 scfm with a maximum well vapor flow of 8.40 scfm.
- The groundwater pump inlet was set at approximately 88.5 ft BTOC, or 5.0 ft above the well bottom. The average groundwater pump rate for Event #1B was 0.34 gpm, and the maximum groundwater pump rate was 0.50 gpm.
- The average groundwater depression, based on the positioning of the groundwater pump, was approximately 8.0 ft below the hydro-equivalent static level.
- An LNAPL thickness of 6.92 ft was recorded in well MW-1 prior to the start of Event #1B, and an LNAPL thickness of 0.91 ft was recorded at the conclusion of the Event #1B.

The total LNAPL removed, including liquid and vapor, during the 8.0 hour Event #1B, Well MW-1, was 7.97 gals.

ADDITIONAL INFORMATION

- Well MW-1 produced a low volume of liquid. This combined with the fact that it is 2.0 inch well limited the amount of vacuum that could be applied to the well. High induced vacuum tended to pull the liquid past the inlet of the in-well pump limiting the liquid recovery that could be achieved.

- During the first 30 minutes of the event, the induced well vacuum and the groundwater pump were monitored and adjusted to create a steady liquid flow from the well. At approximately 0800 hrs, a steady pump rate and constant groundwater depression were achieved.
- The LNAPL recovery rate was determined by gauging the collection tank at the end of the event and calculating the volume of LNAPL.
- Well MW-1 was gauged on May 11, 2017 approximately 18 hours after the conclusion of Event #1B and the LNAPL thickness had increased from 0.91 ft at the conclusion of the event to 1.50 ft. On May 12, 2017 well MW-1 was gauged and the LNAPL thickness had decreased to 1.49 ft.
- The low amount of vapor burned as fuel was due to the low well vapor flow.

SUMMARY OF MDPE EVENT #1C- WELL MW-9

- The total event time was 8.0 hours. The event was conducted on May 11, 2017. This was the first event completed from well MW-9, and therefore, there was no comparative data from this well.
- The total liquid volume recovered was 257 gals, of which 30.50 gals or 11.87% of liquid LNAPL was recovered.
- Based on the HORIBA® analytical data, total vapor LNAPL burned as IC engine fuel was 3.22 gals, for a total liquid and vapor LNAPL recovery of 33.72 gals, or 4.22 gals per hour.
- Average HORIBA® analytical data from the influent vapor samples was: TPH = 32,818 ppmv, CO_2 = 4.75%, CO = 0.98%, O_2 = 8.7% and H_2S = 0 ppm.
- The maximum HORIBA® analytical data from the influent vapor samples for TPH was 68,720 ppmv.
- The average extraction well induced vacuum was 115.00"H_2O with a maximum vacuum of 115.00"H_2O.
- The average extraction well vapor flow was 5.67 scfm with a maximum well vapor flow of 5.67 scfm.
- The groundwater pump inlet was set at approximately 95.0 ft BTOC, or 5.0 ft above the well bottom. The average groundwater pump rate for Event #1C was 0.50 gpm, and the maximum groundwater pump rate was 0.71 gpm.
- The average groundwater depression, based on the positioning of the groundwater pump, was approximately 11.50 ft below the hydro-equivalent static level.
- An LNAPL thickness of 5.64 ft was recorded in well MW-9 prior to the start of Event #1C, and an LNAPL thickness of 3.30 ft was recorded at the conclusion of the Event #1C.

The total LNAPL removed, including liquid and vapor, during the 8.0 hour Event #1C, Well MW-9, was 33.72 gals.

ADDITIONAL INFORMATION

- Well MW-9 had high TPH well vapors. During the first 30 minutes of Event #1C, the well vapors powered the IC Engine. The vapors then decreased, and supplemental propane was added to fuel the engine.
- Well MW-9 produced a higher percentage of LNAPL than the other wells on which MDPE was performed. The liquid samples taken in the graduated cylinder were steady in the 30 to 35% range. However, the liquid did not separate in the collection tank to the extent to

document the LNAPL recovery rate. The LNAPL recovery rate was based upon the measurable LNAL in the collection tote. See accompanying photos of Event #1C to document the liquid samples obtained.

SUMMARY OF MDPE EVENT #1D- WELL MW-4

- The total event time was 8.0 hours. The event was conducted on May 12, 2017. This was the first event completed from well MW-4, and therefore, there was no comparative data from this well.
- The total liquid volume recovered was 815 gals, of which 8.62 gals or 1.06% of liquid LNAPL was recovered.
- Based on the HORIBA® analytical data, total vapor LNAPL burned as IC engine fuel was 6.31 gals, for a total liquid and vapor LNAPL recovery of 14.93 gals, or 1.87 gals per hour.
- Average HORIBA® analytical data from the influent vapor samples was: TPH = 73,925 ppmv, CO_2 = 1.14%, CO = 3.84%, O_2 = 7.3% and H_2S = 0 ppm.
- The maximum HORIBA® analytical data from the influent vapor samples for TPH was 75,220 ppmv.
- The average extraction well induced vacuum was 92.06"H_2O with a maximum vacuum of 130.00"H_2O.
- The average extraction well vapor flow was 4.94 scfm with a maximum well vapor flow of 5.48 scfm.
- The groundwater pump inlet was set at approximately 100.0 ft BTOC, or 5.0 ft above the well bottom. The average groundwater pump rate for Event #1D was 1.60 gpm, and the maximum groundwater pump rate was 2.28 gpm.
- The average groundwater depression, based on the positioning of the groundwater pump, was approximately 5.0 ft below the hydro-equivalent static level.
- An LNAPL thickness of 0.68 ft was recorded in well MW-4 prior to the start of Event #1D, and an LNAPL thickness of 0.63 ft was recorded at the conclusion of the Event #1D.

The total LNAPL removed, including liquid and vapor, during the 8.0 hour Event #1D, Well MW-4, was 14.93 gals.

ADDITIONAL INFORMATION

- Well MW-4 produced the highest liquid recovery. The LNAPL recovery rate was determined by gauging the collection tank at the end of the event and calculating the volume of LNAPL.
- During the first 120 minutes of the event, the induced well vacuum and the groundwater pump were monitored and adjusted to create a steady liquid flow from the well. At approximately 0745 hrs, a steady pump rate and constant groundwater depression were achieved.

CONCLUSION

Event #1 proved successful for recovering LNAPL from and reducing the LNAPL thickness in wells MW-7, MW-1, MW-9 and MW-4. Well MW-9 produced the largest volume of LNAPL, and well MW-4 produced the largest volume of liquid. The objective with each well was to create a constant drawdown in an attempt to create a large induced hydraulic gradient radius of influence to draw the LNAPL to the extraction well. Overall, this proved successful. For any future events, a pulsed recovery could be evaluated whereby very high induced vacuums are used to draw the LNAPL into the well bore; the vacuum is then reduced and the liquid is vacated from the well. This cycle is repeated throughout the event period. The recovery volumes could then be compared to Event #1 to determine which approach produces a greater yield.

METHOD OF CALIBRATION AND CALCULATIONS

The HORIBA® Analytical instrument is calibrated with Hexane, CO and CO_2.

The formula used to calculate the emission rate is:

$$ER = HC\ (ppmv) \times MW\ (Hexane) \times Flow\ Rate\ (scfm) \times 1.58E^{-7} \frac{(min)(lb\ mole)}{(hr)(ppmv)(ft^3)} = lbs/hr$$

INFORMATION INCLUDED WITH REPORT

- Table #1 Summary Well Data
- Table #2 Summary Recovery Data
- Recorded Data
- Photographs of Events #1.

After you have reviewed the report and if you have any questions, please contact me. We appreciate you selecting AcuVac to provide this service.

Sincerely,
ACUVAC REMEDIATION, LLC

Paul D. Faucher
Vice President, Operations

Summary Well Data
Table #1

Event		1A	1B	1C	1D
WELL NO.		**MW-7**	**MW-1**	**MW-9**	**MW-4**
Total Event Hours		8.0	8.0	8.0	8.0
TD	ft BTOC	100.0	93.0	100.0	105.0
Well Screen	ft BTOC	85.0 – 100.0	73.0 – 93.0	80.0 – 100.0	85.0 – 105.0
Well Size	in	2.0	2.0	2.0	2.0
Well Data					
Depth To Groundwater - Static - Start Event	ft BTOC	75.71	85.63	87.58	97.06
Depth To LNAPL - Static - Start Event	ft BTOC	72.20	78.71	81.94	96.38
LNAPL	ft BTOC	3.51	6.92	5.64	0.68
Hydro-Equivalent- Beginning	ft BTOC	73.11	80.51	83.41	96.56
Depth To Groundwater - End Event	ft BTOC	80.30	85.95	87.47	99.32
Depth To LNAPL - End Event	ft BTOC	79.78	85.04	84.17	98.69
LNAPL	ft BTOC	0.52	0.91	3.30	0.63
Hydro-Equivalent- Ending	ft BTOC	79.92	85.28	85.03	98.85
Extraction Data					
Average Extraction Well Vacuum	"H_2O	83.53	102.94	115.00	92.06
Maximum Extraction Well Vacuum	"H_2O	130.00	110.00	115.00	130.00
Average Extraction Well Vapor Flow	scfm	4.17	8.01	5.67	4.94
Maximum Extraction Well Vapor Flow	scfm	5.48	8.40	5.67	5.48
Average GW / LNAPL Pump Rate	gpm	0.56	0.34	0.50	1.60
Maximum GW / LNAPL Pump Rate	gpm	0.79	0.50	0.71	2.28
Influent Data					
Maximum TPH	ppmv	29,220	28,260	68,720	75,220
Average TPH	ppmv	26,933	26,000	32,818	73,925
Average CO_2	%	3.10	6.48	4.75	1.14
Average CO	%	0.27	0.13	0.98	3.84
Average O_2	%	11.8	10.2	8.7	7.3
Average H_2S	ppm	0	0	0	0

Summary Recovery Data
Table #2

Event		1A	1B	1C	1D
WELL NO.		**MW-7**	**MW-1**	**MW-9**	**MW-4**
Recovery Data- Current Event					
Total Liquid Volume Recovered	gals	284	175	257	815
Total Liquid LNAPL Recovered	gals	4.26	4.37	30.50	8.62
Total Liquid LNAPL Recovered / Total Liquid	%	1.50	2.50	11.87	1.06
Total Liquid LNAPL Recovered / Total LNAPL	%	68.69	54.82	90.46	57.73
Total Vapor LNAPL Recovered	gals	1.94	3.60	3.22	6.31
Total Vapor LNAPL Recovered / Total LNAPL	%	31.31	45.18	9.54	42.27
Total Vapor and Liquid LNAPL Recovered	gals	6.20	7.97	33.72	14.94
Average LNAPL Recovery	gals/hr	0.78	1.00	4.21	1.87
Total LNAPL Recovered	lbs	43	56	236	105
Total Volume of Well Vapors	cu. ft	2,002	3,845	2,722	2,371
Recovery Data- Cumulative					
Total Liquid Volume Recovered	gals	284	175	257	815
Total Liquid LNAPL Recovered	gals	4.26	4.37	30.50	8.62
Total Vapor LNAPL Recovered	gals	1.94	3.60	3.22	6.31
Total Vapor and Liquid LNAPL Recovered	gals	6.20	7.97	33.72	14.94
Average LNAPL Recovery	gals/hr	0.78	1.00	4.21	1.87
Total LNAPL Recovered	lbs	43	56	236	105
Total Volume of Well Vapors	cu. ft	2,002	3,845	2,722	2,371

AcuVac Remediation

OPERATING DATA – EVENT # 1A **PAGE # 1** **ACUVAC MDP SYSTEM**

Location: Maljamar Gas Plant, Maljamar, Lea County, NM **Project Managers: Faucher / Hendley**

Well # MW-7		Date	5/9/17					
		Time	0730	0800	0830	0900	0930	1000
		Hr Meter	7783.0	7783.5	7784.0	7784.5	7785.0	7785.5
ENGINE / BLOWER	Engine Speed	RPM	1900	1900	1900	1900	1900	1900
	Oil Pressure	psi	50	50	50	50	50	500
	Water Temp	°F	130	130	130	130	130	130
	Alternator	Volts	14	14	14	14	14	14
	Intake Vacuum	"Hg	20	20	20	20	20	20
	Gas Flow Fuel/Propane	cfh	125	125	125	125	125	125
ATMOSPHERE VACUUM / AIR	Extraction Well Vac.	"H_2O	60	120	130	70	70	70
	Extraction Well Flow	scfm	3.77	4.86	5.48	4.12	4.12	4.12
	Influent Vapor Temp.	°F	70	70	70	70	70	70
	Air Temp	°F	64	65	66	66	67	68
	Barometric Pressure	"Hg	29.97	29.97	29.97	29.97	29.97	29.97
VAPOR / INFLUENT	TPH	ppmv	-	-	-	-	27,820	-
	CO_2	%	-	-	-	-	3.54	-
	CO	%	-	-	-	-	0.31	-
	O_2	%	-	-	-	-	9.2	-
	H_2S	ppm	-	-	-	-	0	-
NOTES	0730 HRS EVENT STARTED. INITIAL WELL VAC SET AT 60"H_2O W/WVF OF 3.77 SCFM. GW PUMP STARTED, RAN BRIEFLY AND THE STOPPED. 0800 HRS WELL VAC ↑ 120"H_2O, WVF 4.86 SCFM. COULD NOT MAINTAIN CONSTANT FLOW. 0830 REPOSITIONED GW PUMP AT 90.0 & BTOC. INCREASED WELL VAC TO 130"H_2O W/WVF OF 5.48. AT 0900 HRS ↓ WELL VAC TO 70"H_2O W/WVF 4.12 SCFM. STEADY GW PUMP ACHIEVED. 0930 WELL VAPOR SAMPLE TPH VAPORS 27,820 PPMV. TPH VAPORS PROVIDED LITTLE FUEL FOR IC ENGINE DUE TO LOW WVF.							
RECOVERY	GW Pump	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON	ON	ON
	TOTAL HOUR READING	gals/	1214.00	1223.48	1231.17	1254.82	1271.98	1293.58
	Total Volume	gals	-	9.48	17.17	40.82	57.98	79.58
	NAPL	% Vol	-	1.5	1.50	1.50	1.50	1.50
	NAPL	Gals	-	.14	.12	.35	.26	.32
EW	Data Logger Head	ft	-	-	-	-	-	-
	GW Depression	ft	-3.00	-3.00	-16.00	-16.0	-16.0	-16.0
	Extraction Well	DTNAPL	72.20					
	Extraction Well	DTGW	75.71					

3.51

AcuVac Remediation

OPERATING NOTES – Event # 1A PAGE # 2 ACUVAC MDP SYSTEM

Location: Maljamar Gas Plant, Maljamar, Lea County, NM Project Managers: Faucher / Hendley

Date:

NOTES

5/7/17 1300 HRS ARRIVED ON SITE. PARTICIPATED IN THE AKA PLANT TRAINING SEMINAR. TOOK EXAM 20/20 OF QUESTIONS CORRECT.

1400 HRS. MET W/ MATT BURROWS AND JUSTIN NIXON OF GHD. PROCEEDED TO WELL MW-7. HELD TAILGATE SAFETY MTG. REVIEWED THE GHD HASP, ACUVAC JSA AND P-66 REQUIRMENTS. AFTER CONCLUSION OF SAFETY MTG, ASSESSED THE SITE FOR PLACEMENT OF ACUVAC SYSTEM AND EQUIPMENT, AND THE LOCATION OF THE COLLECTION TOTES / TANKS.

POSITIONED THE ACUVAC SYSTEM NEAR WELL MW-7. GAUGED THE WELL FOR DTNAPL 72.20 FT BTOC AND DTGW 75.71 FT BTOC, NAPL THICKNESS 3.51 FT. HE IS 73.11 FT BTOC. POSITIONED IN-WELL PUMP AT 76.1 FT BTOC TO ENABLE A 3.0 FT GROUNDWATER DEPRESSION.

LAID OUT THE VAC HOSES, FLOW METER AND DISCHARGE HOSES. DEPARTED SITE.

05/09/17 0645 HRS. ARRIVED ON SITE. MOBILIZED THE GENERATOR, PUMP CONTROLLER AND OTHER EQUIPMENT.

0720 TOTES DELIVERED, COMPLETED CONNECTIONS OF DISCHARGE LINES.

0730 EVENT STARTED WITH INDUCED WELL VAC ONLY. HELD TAILGATE SAFETY MEETING, REVIEWED HASP AND JSA.

0740 GROUNDWATER PUMPING STARTED.

AcuVac Remediation

OPERATING DATA – EVENT # 1A | PAGE # 3 | ACUVAC MDP SYSTEM

Location: Maljamar Gas Plant, Maljamar, Lea County, NM | **Project Managers:** Faucher / Hendley

Well # MW-7		Date	5/9/17					
		Time	1030	1100	1130	1200	1230	1300
		Hr Meter	7886.0	7886.5	7887.0	7887.5	7888.0	7888.5
ENGINE / BLOWER	Engine Speed	RPM	1900	1800	1800	1800	1800	1800
	Oil Pressure	psi	50	50	50	50	50	50
	Water Temp	°F	130	130	130	130	130	130
	Alternator	Volts	14	14	14	14	14	14
	Intake Vacuum	"Hg	20	20	20	20	20	20
	Gas Flow Fuel/Propane	cfh	125	125	125	125	125	125
ATMOSPHERE VACUUM / AIR	Extraction Well Vac.	"H_2O	70	70	70	75	80	85
	Extraction Well Flow	scfm	4.12	4.12	4.12	4.08	4.05	4.01
	Influent Vapor Temp.	°F	70	70	70	70	70	70
	Air Temp	°F	69	72	75	77	77	77
	Barometric Pressure	"Hg	29.96	29.96	29.96	29.94	29.92	29.91
VAPOR / INFLUENT	TPH	ppmv	–	–	23,760	–	–	–
	CO_2	%	–	–	2.68	–	–	–
	CO	%	–	–	.18	–	–	–
	O_2	%	–	–	11.2	–	–	–
	H_2S	ppm	–		0	–	–	–
NOTES	AT 1200 HRS THE WELL VACUUM STARTED AN INCREASING TREND FROM 70" H_2O TO 85" H_2O. THE WVF STARTED A DECREASING TREND FROM 4.12 SCFM TO 4.01 SCFM. WELL VACUUM AND WELL FLOW ARE INVERSELY RELATED, SO THE DECREASE IN WELL FLOW IS NOT UNUSUAL.							
RECOVERY	GW Pump	ON/OFF	ON	ON	ON	ON	ON	ON
	TOTALIZER READING	gals/	1313.64	1335.91	1352.98	1372.15	1393.2	1412.08
	Total Volume	gals	99.64	121.95	138.98	158.15	179.20	198.08
	NAPL	% Vol	1.5	1.5	1.5	1.5	1.5	1.5
	NAPL	Gals	.30	.33	.26	.29	.32	.28
EW	Data Logger Head	ft	–	–	–	–	–	–
	GW Depression	ft	-16.0	-16.0	-16.0	-16.0	-16.0	-16.0
	Extraction Well	DTNAPL						
	Extraction Well	DTGW						

AcuVac Remediation

OPERATING DATA – EVENT # 1A | PAGE # 4 | ACUVAC MDP SYSTEM

Location: Maljamar Gas Plant, Maljamar, Lea County, NM | **Project Managers:** Faucher / Hendley

Well # MW-7

		Date	5/9/17					
		Time	1330	1400	1430	1500	1530	
		Hr Meter	7889.5	7890.0	7890.5	7891.0	7891.5	
ENGINE / BLOWER	Engine Speed	RPM	1800	1800	1800	1800	1800	
	Oil Pressure	psi	50	50	50	50	50	
	Water Temp	°F	140	150	150	150	150	
	Alternator	Volts	14	14	14	14	14	
	Intake Vacuum	"Hg	20	20	20	20	20	
	Gas Flow Fuel/Propane	cfh	125	125	125	125	125	
ATMOSPHERE VACUUM / AIR	Extraction Well Vac.	"H_2O	90	90	90	90	90	
	Extraction Well Flow	scfm	3.97	3.97	3.97	3.97	3.97	
	Influent Vapor Temp.	°F	70	70	70	70	70	
	Air Temp	°F	79	80	81	82	82	
	Barometric Pressure	"Hg	29.91	29.88	29.87	29.86	29.86	
VAPOR / INFLUENT	TPH	ppmv	29,220	-	-	-	-	
	CO_2	%	3.08	-	-	-	-	
	CO	%	.31	-	-	-	-	
	O_2	%	15.1	-	-	-	-	
	H_2S	ppm	0	-	-	-	-	

NOTES

WELL VAC AND WVF STEADY DURING PERIOD. WELL VAPOR SAMPLE AT 1530 HRS HAD HIGHEST VALUE OF EVENT AT 29,220 PPMV.

AT 1530 HRS THE EVENT CONCLUDED DEMOBED ACUVAC SYSTEM AND EQUIPMENT AT 1550 HRS GAUGED WELL DTNAPL 79.78 FT BTOC, DTGW 80.30 FT BTOC, AND A NAPL THICKNESS OF .52 FT. THE HE WAS 79.92 FT BTOC WHICH WAS 6.80 FT BELOW THE STARTING HE. AT APPROXIMATELY 0930 HRS ON 5/10/17 THE WELL WAS GAUGED. NAPL THICKNESS 1.46 FT, HE 73.54 WHICH IS .43 FT BELOW STARTING HE

RECOVERY	GW Pump	ON/OFF	ON	ON	ON	ON	OFF	
	TOTALIZER READING	gals	1430.48	1447.10	1469.34	1487.94	1498.02	
	Total Volume	gals	216.48	233.10	255.34	273.94	284.02	
	NAPL	% Vol	1.5	1.5	1.5	1.5	1.5	
	NAPL	Gals	.28	.25	.33	.30	.30	
EW	Data Logger Head	ft	-	-	-	-	-	
	GW Depression	ft	-16.0	-16.0	-16.0	-16.0	-16.0	
	Extraction Well	DTNAPL					79.78	
	Extraction Well	DTGW					80.30	

NAPL .52 1550 HRS

Appendix E
AcuVac Mobile Dual Phase Extraction Reportand Photos

MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NM

MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NM

MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NM

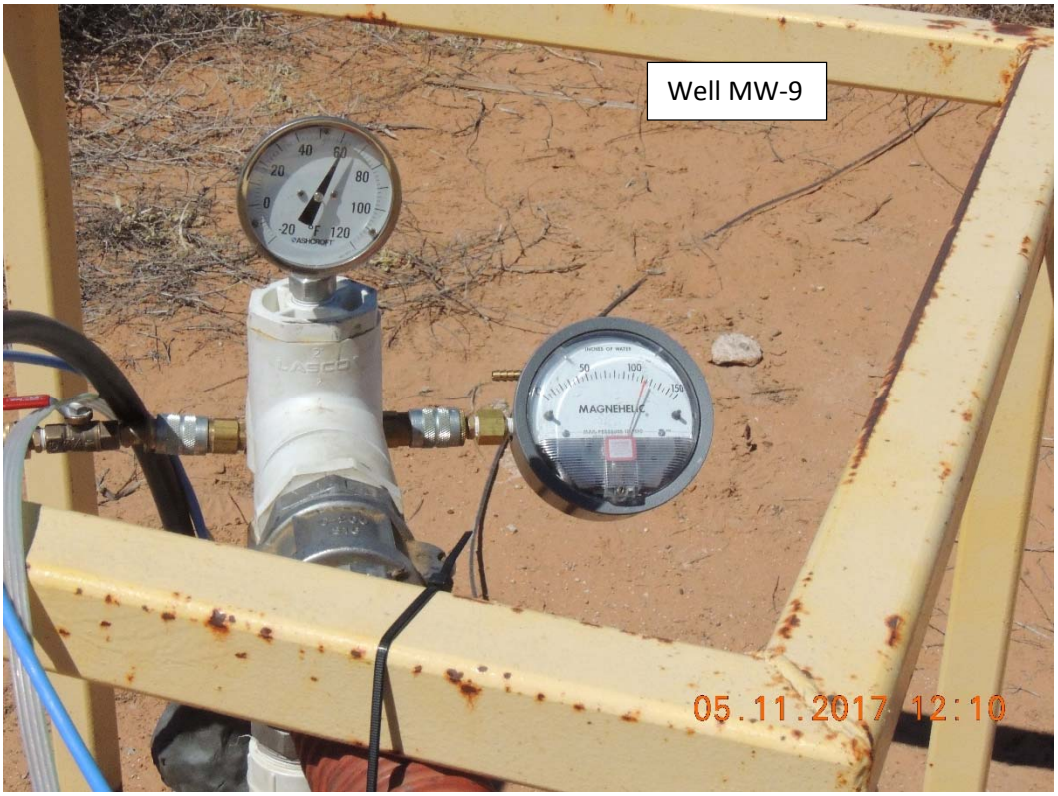
AcuVac System Event #1B Well MW-1

AcuVac System Event #1B Well MW-1

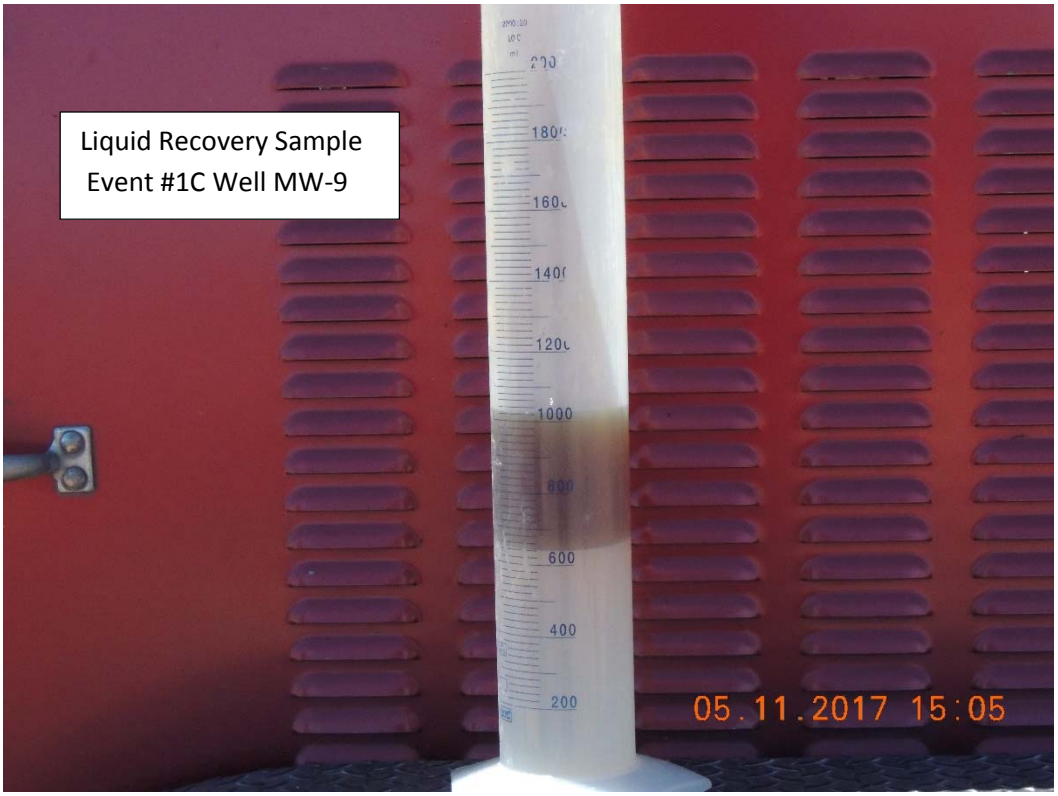
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NM

MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NM

MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NM



MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NM



MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NM

MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NM