AP - 115

2012 AGWMR

04 / 11 / 2012

GW-20

CONESTOGA-ROVERS
& ASSOCIATES

2270 Springlake Road, Suite 800, Dallas, Texas 75234
Telephone: (972) 331-8500 Fax: (972) 331-8501
www.CRAworld.com

April 11, 2013

Reference No. 075018

Mr. Glenn Von Gonten
Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Dr.
Santa Fe, NM 87505

Dear Mr. Von Gonten:

Re: Annual Groundwater Monitoring and Remediation Report
January through December 2012
Maljamar Gas Plant, Maljamar, NM

Conestoga-Rovers & Associates (CRA) is submitting the attached Annual Groundwater Monitoring and Remediation Report, January through December 2012, on behalf of Phillips 66 Company.

If you have any questions or comments, please call me at (972) 331-8500.

Sincerely,

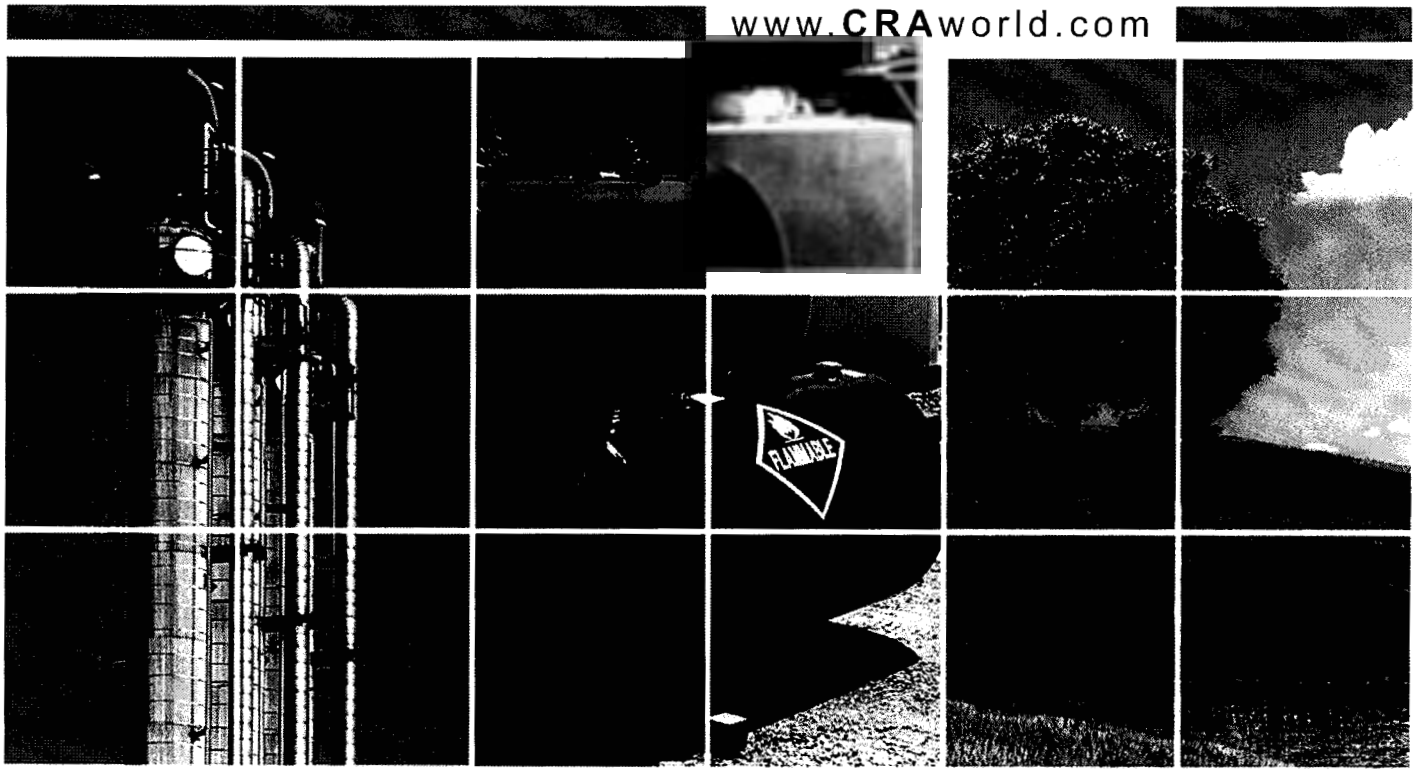
CONESTOGA-ROVERS & ASSOCIATES

Moshghan Mansoori
Project Manager

MM/cd/2
Encl.

cc: Tom Wynn, Phillips 66 Company

www.CRAworld.com



Annual Groundwater Monitoring and Remediation Report

January through December 2012
Maljamar Gas Plant
Maljamar, Lea County, New Mexico

Prepared for: Phillips 66 Company (P66)

Conestoga-Rovers & Associates
2270 Springlake Road, Suite 800
Dallas, Texas 75234

April 2013 • #075018
Report Number:4

TABLE OF CONTENTS

LIST OF FIGURES
(Following Text)

LIST OF TABLES
(Following Text)

LIST OF APPENDICES

1.0 INTRODUCTION

On behalf of Phillips 66 Company (Phillips 66), Conestoga-Rovers & Associates (CRA) is providing environmental and remedial project related activities at the Maljamar Gas Plant site (Site). The Site is located in Lea County, New Mexico (Figure 1). The information in this report includes a brief review of previous Site activities, groundwater sampling data collected in July 2012, groundwater extraction data collected from January through December 2012 during operation of the groundwater extraction well (MW-6) at the Site, and results of the alternating operation of hydrocarbon skimmer pumps in monitoring/recovery wells MW-1, MW-7, MW-9, SK-1, and SK-2. The report presents the following in detail.

- Background information and Site characteristics
- Site hydrogeology summary
- Groundwater monitoring activities and results
- Summary and recommendations

2.0 BACKGROUND INFORMATION AND SITE HISTORY

The Site is located in Lea County, New Mexico (Sec 21, T17S, R32E; Figure 1). During previous investigative and remedial activities at the Maljamar Gas Plant, 12 soil borings were drilled and sampled, 19 groundwater monitoring wells, one (1) groundwater extraction wells and two (2) hydrocarbon recovery wells were installed, groundwater samples and water level data were collected, surface and borehole geophysical surveys were performed, an aquifer pump test was conducted, and the groundwater extraction wells were operated. The following is a summary of those activities:

- A subsurface investigation was performed in June 2000 to assess the potential for impacts to the subsurface underlying two earthen bermed areas where condensate was historically stored and a 15 barrel condensate release occurred February 13, 2000. The assessment consisted of drilling, collecting and analyzing soil samples from twelve (12) soil borings. One monitoring well (MW-1) was installed to a depth of 92 feet below ground surface (fbgs). Data collected from this investigation was submitted to the New Mexico Oil Conservation Commission (NMOCD) in the August 8, 2000 Subsurface Investigation Report (Maxim, 2000).
- Two (2) groundwater monitoring wells (MW-2 and MW-3) were installed at the site in September 2000.
- A groundwater investigation was initiated in May 2001 to define groundwater impacts at the Maljamar Gas Plant. Five (5) monitoring wells were installed (MW-4, 5, 7, 8 and 9). All 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).
- Four (4) groundwater monitoring wells (MW-10, 11, 12 and 13) were installed in December 2001 and one (1) groundwater monitoring well (MW-14) was installed in March 2002.
- A groundwater investigation was performed in September 2002 to further delineate the groundwater flow system to the north, northeast, east, southeast, south, and southwest of the Maljamar Gas Plant and refine the site conceptual hydrogeologic model of the area around the gas plant. Six groundwater monitoring wells (MW-15, 16, 17, 18, 19, and 20) were installed during this investigation. The water level elevations collected during this investigation indicated that a well-defined groundwater mound with a relatively uniform gradient field 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).

- Condensate recovery wells SK-1 and SK-2 were installed at the site in March and December 2002, respectively.
- A magnetometer survey was performed in January 2003 to locate suspected abandoned exploration wells in the area over the groundwater mound that underlies the Maljamar Gas Plant. 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 short-circuit upward through an abandoned well or annulus of an existing production well. However, no short-circuit pathways due to an abandoned well were discovered during this survey.
- A borehole geophysical investigation was initiated in March 2003 to ascertain the subsurface stratigraphy to facilitate free condensate removal and any subsequent groundwater remediation efforts. The study indicated mappable units, exhibiting lateral and vertical correlation properties, were underlying the gas plant.
- An aquifer pump test was performed at the site in September 2003 to gather hydrogeologic data from the uppermost saturated zone, exhibiting both condensate and chloride impacts, in order to develop a remediation plan. The data were 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.
- A groundwater extraction well (MW-6) was installed in the vicinity of wells SK-1, SK-2 and MW-7 on March 31, 2004. 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 from May 17, 2004 until September 8, 2004, and continued monthly thereafter.
- The results of the aquifer pump test and the magnetometer and borehole geophysical surveys were submitted to the NMOCD in the Comprehensive Groundwater Report, dated March 1, 2004 (Maxim, 2004a).
- 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 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 liquid phase hydrocarbons (LPH) 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 LPH layer present in this well. Results of the pilot test at MW-9 were reported in the Annual Report dated September 22, 2006 (Tetra Tech, 2006).
- ConocoPhillips Maljamar E&P site Groundwater extraction well EW-1 was installed adjacent to monitoring well MW-12 between May 14 and June 22, 2007. Extracted groundwater from EW-1 is pumped into a flowline connected to MW-6.
- Monitoring well MW-20 surface casing was damaged during the placement of an oil well drilling rig and was not available for sampling during the May 2007 sampling event. The well was rehabilitated on May 15, 2007 and completed at the surface with upright steel security casing and a cement pad.
- On December 21, 2007, wells MW-6, MW-7, MW-12, MW-20, SK-1, SK-2, and EW-1 were surveyed for location coordinates and elevation of top of casing.
- A Durham Geo F.A.P. Plus pneumatic skimmer pump was installed in MW-9 on March 24, 2008, based on the results of a hydrocarbon recovery pilot test performed at this well (Tetra Tech, 2006). The skimmer pump was started on March 25, 2008 to remove LPH present in the well.
- On August 10, 2010, the skimmer pump was removed from MW-9 after the LPH thickness in this well was reduced to 0.10 feet. The skimmer pump was then installed into MW-1 to remove LPH present in this well.
- On behalf of Phillips 66, CRA assumed remedial oversight duties of the Site in August 2011. Monthly groundwater level measurements were recorded and an annual groundwater monitoring and sampling event was conducted.

3.0 SITE HYDROGEOLOGY SUMMARY

Previous groundwater investigations and sampling performed at the Site by prior consultants (i.e., Maxim and Tetra Tech) have revealed that groundwater beneath the Site occurs under confining conditions within two sand units ranging in thickness from several feet to no more than 10 to 12 feet thick at a depth of approximately 70 to 95 fbgs. At a depth of approximately 72 fbgs in the vicinity of wells SK-1 and MW-7, an 11-foot-thick upper water-bearing sandstone layer overlies a 4-foot-thick shale layer, which in turn overlies a lower 13-foot-thick water-bearing sandstone layer. Generally, the overlying deposits consist of approximately 60 feet of light colored sands and sandy silts with occasional caliche interbeds, shale stringers and intermittent gravels representative of the Quaternary age alluvium/bolson-fill which are underlain by approximately 30 to 50 feet of green to grayish green to dark green silty shales of the Triassic age Chinle Shale. The Tertiary age Ogallala Formation outcrops in a prominent escarpment (Mescalero Ridge) approximately four miles to the northeast of the Site, where the Ogallala unconformably overlies the Chinle shales. The overlying interbedded shale units presumably confine the groundwater contained in the underlying water-bearing sandstone units. A detailed conceptual model of the hydrogeologic conditions existing at the Site is presented in the *Comprehensive Groundwater Report* (Maxim, 2004).

Previous groundwater investigations and monitoring events have revealed that the groundwater potentiometric surface in the immediate vicinity of the Site is mounded, with the center of the mound occurring northwest of the Site. In exploration borings completed approximately 1,000 feet west, northwest, and southwest of the mound centroid, no sand interval was encountered indicating the mound is truncated toward the west, which is most likely due to a subsurface stratigraphic pinch-out or fault. To the north, south and east of the mound centroid, groundwater occurs under unconfined conditions, demonstrating that further away from the mound recharge zone, confining pressures diminish (Maxim, 2004).

4.0 SAMPLING METHODOLOGY AND ANALYTICAL RESULTS

4.1 GROUNDWATER SAMPLING METHODOLOGY

Groundwater monitoring activities were performed on existing Site monitoring and recovery wells from January through December 2012. Activities included performing a round of groundwater sampling and analyses in July 2012; operating groundwater extraction well MW-6; collecting monthly groundwater level measurements at the Site monitoring wells and periodic water quality data during the operation of extraction well MW-6; operation of a skimmer pump in MW-1; and alternating skimmer pump between SK-1, SK-2, and MW-7.

Groundwater Level and Water Quality Data Collection

Monthly groundwater level measurements were recorded from each monitoring well at the Site from January to December 2012. An oil/water interface probe was used to measure groundwater depths and check for the presence hydrocarbon in each of the Site monitor wells. Groundwater measurements proceeded from the cleanest wells to the wells containing hydrocarbons. These data, along with casing diameter and total depth information, were used to calculate the water volume in each monitor well. Before and after each use, the oil/water interface probe was cleaned with an Alconox®/de-ionized water solution and rinsed with de-ionized water.

Table 1 presents the well construction details for the monitoring and remediation wells installed at the Site. Groundwater and hydrocarbon depth measurements and elevations for January through December 2011 are summarized in Table 2. A summary of historical groundwater monitoring well gauging data is presented in Appendix B. Groundwater elevations show an overall leveling to slightly decreasing trend at the Site, as shown on the hydrographs in Appendix C.

Groundwater quality measurements of the MW-6 discharge water were collected during the sampling on July 18, 2012 using a portable field instrument. Measurement parameters included specific conductivity, salinity, pH, and temperature. Table 4 presents groundwater quality measurement data for discharge water from extraction well MW-6.

Groundwater Monitoring and Sampling

On July 18, 2012, groundwater samples were collected from monitoring wells MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, and MW-10 through MW-20 at the Site. Groundwater level measurements were recorded from each monitoring well at the Site to check for presence of hydrocarbon. During the July 2012 groundwater sampling

event, the groundwater flow direction was to the northeast at an approximate gradient of 0.0081 ft/ft, to the east at an approximate gradient of 0.014 ft/ft, and to the southeast at an approximate gradient of 0.0081 ft/ft due to a groundwater mound that underlies the Site.

A potentiometric groundwater surface elevation map is presented in Figure 3. Table 2 presents the groundwater gauging data for January through December 2012. A hydrocarbon thickness concentration map for July 2012 is included as Figure 5.

Following groundwater measurement activities water was purged and sampled utilizing hand bailing techniques. The wells were purged of three well volumes of groundwater prior to sample collection with single-use, polyethylene hand bailers suspended with new string. Disposable nitrile gloves were worn by sampling personnel and were changed at each well location. Each sample was transferred to laboratory-provided containers that were subsequently sealed, labeled, and placed in an ice-cooled chest for storage and transport to Pace Analytical Services, Inc. in Lenexa, Kansas. Proper chain of custody documentation was maintained throughout the sampling, storage, and shipping process.

4.2 GROUNDWATER ANALYTICAL RESULTS

During the July 2012 sampling event, groundwater samples collected from monitoring wells MW-2, MW-4, MW-5, MW-6, and MW-10 through MW-20 were submitted to Pace Analytical Services, Inc. of Lenexa, Kansas for analyses of benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8260; semi-volatile organic compounds-polynuclear aromatic hydrocarbons (PAHs) by Method 8270; calcium, magnesium, sodium, and potassium by Method 6010B; bromide, chloride, nitrate, and sulfate by Method 300.0A; total dissolved solids (TDS) by Method 160.1; and alkalinity (carbonate, bicarbonate, and total) by Method 310.1. The analytical results have been summarized and are presented in Table 3. Analytical results were compared to the New Mexico Water Quality Control Commission (NMWQCC) groundwater quality standards contained in Title 20, Chapter 6, Part 2, Section 3103 of the New Mexico Administrative Code (20.6.2.3103 NMAC).

Duplicate samples were collected from MW-4 and MW-11 and the analytical results were consistent with the results for the primary sample.

The following results were noted from the July 2012 annual groundwater sampling event:

- Benzene was detected above the NMWQCC standard (0.01 milligrams per liter (mg/L)) in MW-2 at 49.4 mg/L, MW-4 at 0.0345 mg/L (duplicate 0.0438 mg/L), and MW-6 at 0.808 mg/L.
- Ethylbenzene was detected above the NMWQCC standard (0.75 mg/L) in MW-2 at 1.110 mg/L and MW-4.
- Toluene was detected above the NMWQCC standard (0.75 mg/L) in MW-2 at 11.8 mg/L.
- Chloride was detected above the NMWQCC standard (250 mg/L) in WW (509 mg/L), MW-2 (528 mg/L), MW-4 (515 mg/L and duplicate 522 mg/L), MW-6 (791 mg/L), MW-10 (2,880 mg/L), MW-11 (715 mg/L and duplicate 659 mg/L), MW-12 (32,200 mg/L), MW-14 (408 mg/L), MW-17 (654 mg/L), MW-18 (11,100 mg/L), and MW-20 (5,950 mg/L).
- Nitrate as N was detected above the NMWQCC standard (10 mg/L) in MW-13 at 18.1 mg/L and MW-14 at 20 mg/L.
- Sulfate was detected above the NMWQCC standard (600 mg/L) in MW-12 at 1,020 mg/L, MW-14 at 848 mg/L, and MW-18 at 762 mg/L.
- TDS was detected above the NMWQCC standard (1,000 mg/L) in WW (1,280 mg/L), MW-2 (1,640 mg/L), MW-4 (1,300 mg/L and duplicate 1,380 mg/L), MW-6 (1,960 mg/L), MW-10 (6,480 mg/L), MW-11 (1,790 mg/L and duplicate 1,910 mg/L), MW-12 (55,900 mg/L), MW-13 (1,090 mg/L), MW-14 (2,350 mg/L), MW-17 (1,750 mg/L), MW-18 (22,700 mg/L), and MW-20 (13,100mg/L).

Groundwater analytical data is summarized in Table 3. Analytical results for benzene, toluene, ethylbenzene, and total xylenes (BTEX), chloride, and TDS for July 2012 are presented in Figure 4. LPH thickness contour map is presented on Figure 5. Concentration maps for benzene and chloride are presented as Figures 6 and 7, respectively. The laboratory groundwater analytical report is presented as Appendix A. Hydrographs and concentration vs. volume graphs are presented in Appendix C and Appendix D, respectively. Groundwater analytical results summaries for BTEX, Inorganics, and Metals from 2007 through 2012 are presented in Appendix E, F, and G, respectively.

5.0 GROUNDWATER REMEDIAL ACTIVITIES

CRA performed groundwater remedial activities were performed on existing Site monitoring and recovery wells from January through December 2012. Activities included operating and collecting periodic water quality data from extraction well MW-6; operation of a skimmer pump in MW-1; and alternating skimmer pump between SK-1, SK-2, and MW-7.

Groundwater Extraction and Hydrocarbon Recovery Operations

Groundwater extraction well MW-6 was operated continuously from January through December 2011. Extracted groundwater was pumped from the well into an onsite 210-barell (bbl) fluid storage tank. The fluid storage tank is fitted with automated tank gauging and pumping controls and automatically injects the tank contents into MCA Station water flood system. A dedicated flowmeter, installed on the extraction well piping system, gauges the volume of groundwater removed by the extraction well. Since initial startup on May 10, 2004 to December 23, 2011, approximately 1,510,663 gallons of groundwater have been extracted from MW-6. Table 5 presents a summary of the groundwater extraction well recovery volumes at MW-6.

A Durham Geo F.A.P. Plus pneumatic skimmer pump is moved between wells SK-1, SK-2 and MW-7, depending on the thickness of hydrocarbons present in each of the three wells. Extracted hydrocarbons and minor amounts of groundwater are pumped from the wells into the onsite 210-barrel fluid storage tank via a manifold attached to the groundwater extraction well piping at MW-6. Volumes of fluids removed by the skimmer pump are registered on the extraction well MW-6 flowmeter and are part of the total extraction volume presented in Table 5.

A Durham Geo F.A.P. Plus pneumatic skimmer pump was installed in monitoring 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 LPH present in this well. Dedicated flowlines are installed from wells MW-9 and MW-1 to a manifold attached to the groundwater extraction well piping at MW-6. Extracted hydrocarbons and minor amounts of groundwater are pumped from the wells into the onsite 210-barrel fluid storage tank connected to MW-6.

Volumes of fluids removed by the skimmer pump from wells MW-9 and MW-1 are registered on the extraction well MW-6 flowmeter, and are part of the total extraction volume presented in Table 5.

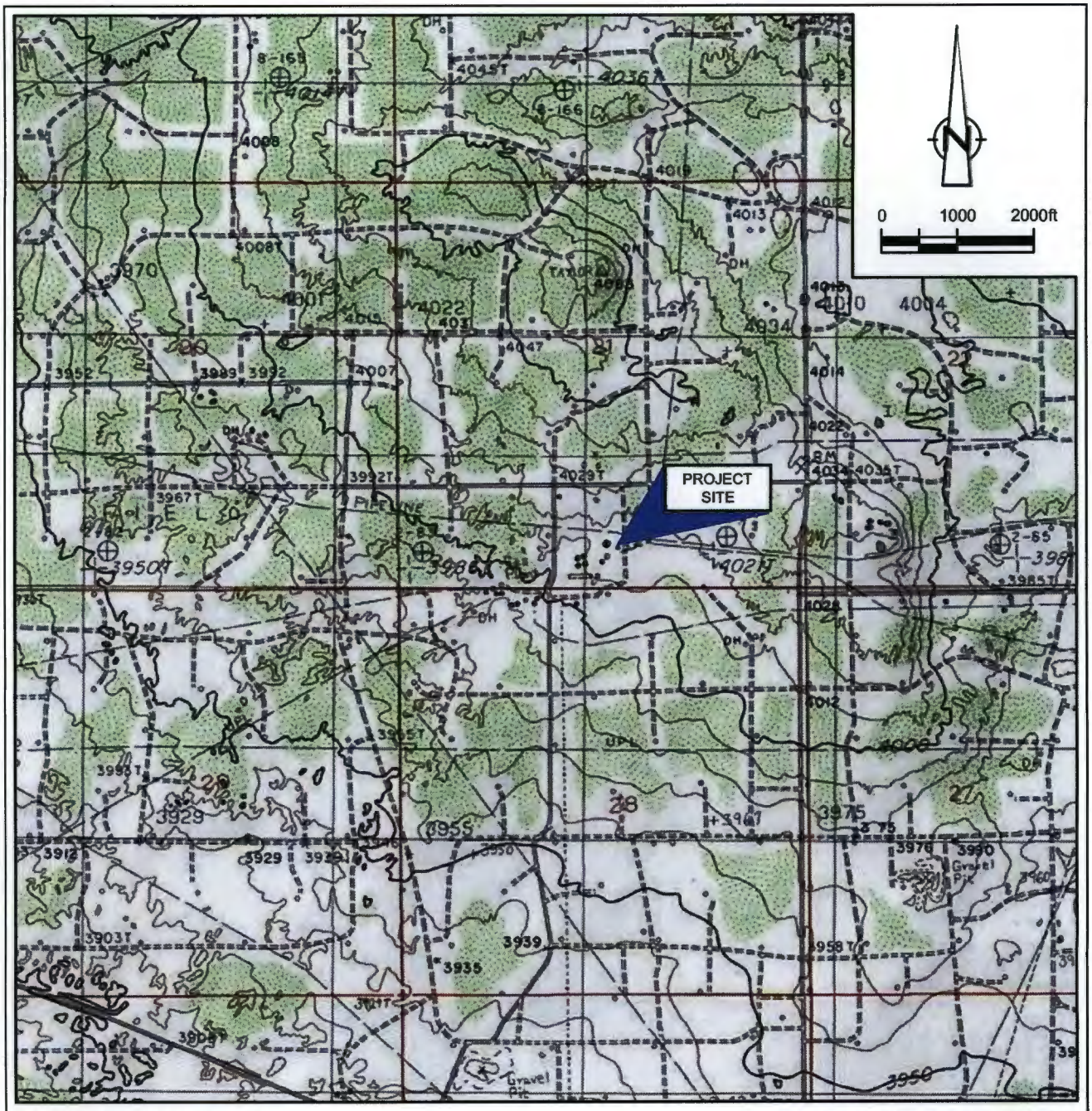
6.0 SUMMARY AND RECOMMENDATIONS

Results of the July 2012 groundwater sampling event show concentrations of BTEX, chloride, nitrate as N, sulfate, and TDS that exceeded NMWQCC standards at the Site.

Based on the data, results and evaluations presented in this report, CRA recommends the following:

- Continue operation of groundwater extraction well MW-6, and periodically collect groundwater quality and extraction volume data from the wells.
- Collect monthly groundwater level and hydrocarbon thickness data from the Site monitoring wells.
- Annual groundwater monitoring and sampling of the Site monitoring wells. Groundwater samples will be collected and submitted to an analytical laboratory for analyses of volatile organic compounds, semi-volatile organic compounds, major ions, total dissolved solids, and chloride.
- Continue skimmer pump operations at SK-1, SK-2, MW-7, and MW-1 to remove LPH present in these wells. A skimmer pump will be moved between wells SK-1, SK-2, and MW-7, depending on the thickness of hydrocarbons present in each of the three wells.
- Enhance recovery operations by updating remedial system.

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

075018-00(004)GN-DL001 FEB 18/2013

LEGEND

- Monitoring Well Location
- Extraction Well Location
- Water Well Location
- Sample Point 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 PLAN MAP
MALJAMAR GAS PLANT
LEA COUNTY, NEW MEXICO
Phillips 66 Company

075018-00(004)GN-DL001 FEB 18/2013

figure 3

GROUNDWATER GRADIENT MAP - JULY 2012
MALJAMAR GAS PLANT
LEA COUNTY, NEW MEXICO
Phillips 66 Company

075018-00(004)GN-DL001 FEB 18/2013

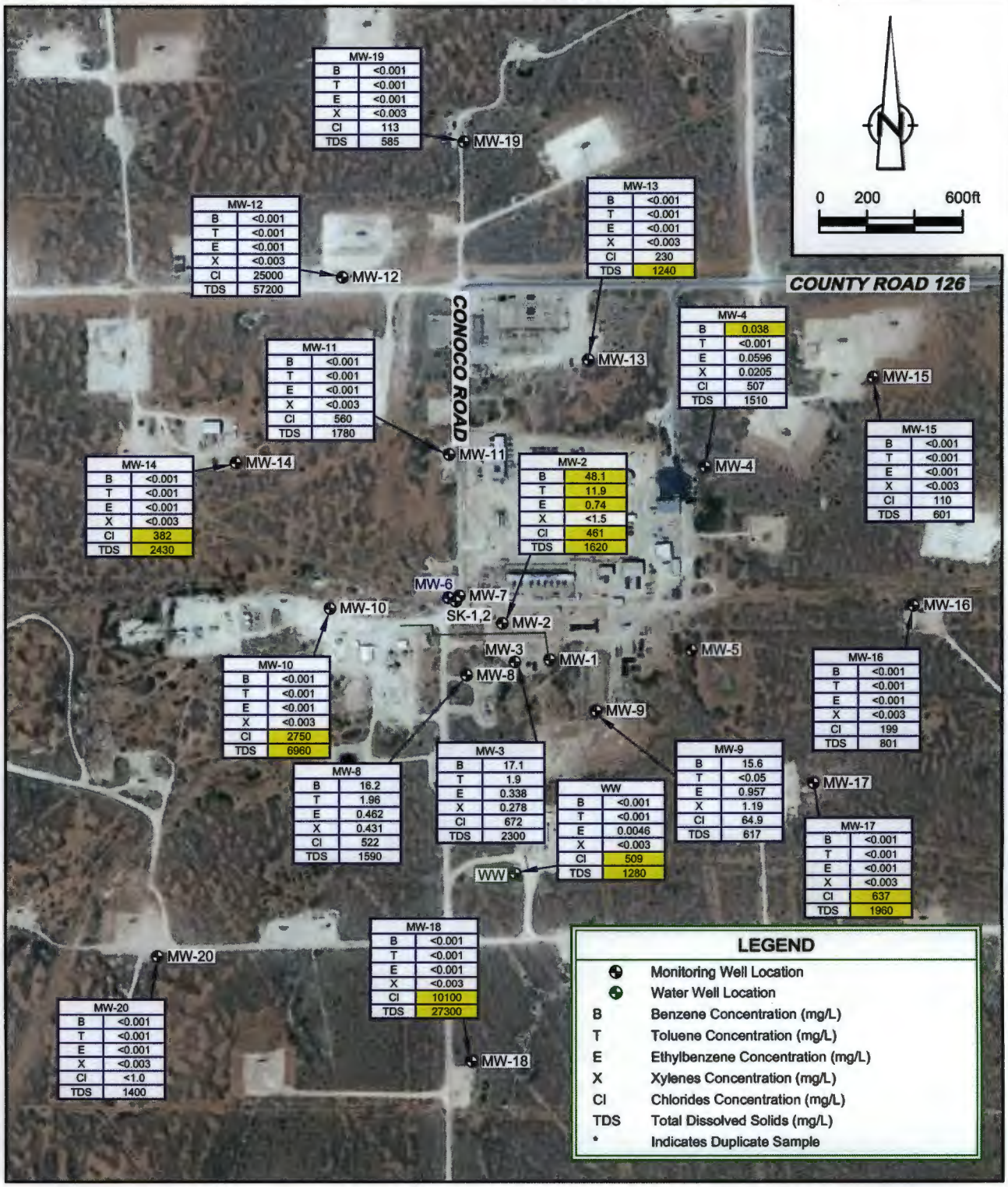


figure 4

GROUNDWATER ANALYTICAL RESULTS -
BTEX, CHLORIDE & TDS - JULY 2012
MALJAMAR GAS PLANT
LEA COUNTY, NEW MEXICO
Phillips 66 Company

075018-00(004)GN-DL001 FEB 18/2013

figure 5

LIQUID PHASE HYDROCARBON (LPH) THICKNESS
CONTOUR MAP - JULY 2012
MALJAMAR GAS PLANT
LEA COUNTY, NEW MEXICO
Phillips 66 Company

075018-00(004)GN-DL001 FEB 18/2013

figure 6

BENZENE CONCENTRATION MAP - JULY 2012
MALJAMAR GAS PLANT
LEA COUNTY, NEW MEXICO
Phillips 66 Company

075018-00(004)GN-DL001 APR 2/2013

figure 7

CHLORIDE CONCENTRATION MAP -JULY 2012
MALJAMAR GAS PLANT
LEA COUNTY, NEW MEXICO
Phillips 66 Company

075018-00(004)GN-DL001 APR 2/2013

TABLES

TABLE 1

WELL CONSTRUCTION DETAILS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Monitoring Well Number	Location Coordinates**		Top of Casing Elevation (famsl)	Depth				Screen Interval (fbgs)	Screen Slot Size*** (inches)	Casing Diameter (inches)	Well Installation Date
	Northing	Easting		Total (fbgs)	Casing (fbgs)	Water (fbgs)	Condensate (fbgs)				
MW-1	32.81208	-103.77181	4002.24	97	0-72	77.00		72-92	0.010	2	06/21/2000
MW-2	32.81250	-103.77244	4005.12	98	0-67	76.32		67-97	0.010	2	09/28/2000
MW-3	32.81206	-103.77228	4001.94	98	0-68	76.94		68-98	0.010	2	09/28/2000
MW-4	32.81425	-103.76967	4016.20	110	0-80	94.88		80-110	0.010	2	05/22/2001
MW-5	32.81217	-103.76989	4009.42	100	0-70	90.20		70-100	0.010	2	05/22/2001
MW-6*	32.81282	-103.77315	4005.23	105	0-105			70-100	0.010	6	03/31/2004
MW-7*	32.81281	-103.77308	4002.95	100	0-70	81.58	75.38	70-100	0.010	2	05/23/2001
MW-8	32.81192	-103.77294	4000.72	100	0-70	76.10		70-100	0.010	2	05/23/2001
MW-9	32.81150	-103.77119	4003.11	100	0-70	83.63		70-100	0.010	2	05/23/2001
MW-10	32.81269	-103.77478	4000.47	97	0-74	73.39		74-94	0.010	2	12/05/2001
MW-11	32.81442	-103.77314	4015.54	120	0-98	83.46		98-118	0.010	2	12/04/2001
MW-12*	32.81646	-103.77455	4022.53	120	0-99	94.39		99-119	0.010	2	12/04/2001
MW-13	32.81547	-103.77128	4031.96	127	0-105	106.68		105-125	0.010	2	12/03/2001
MW-14	32.81436	-103.77603	4006.98	120	0-80	75.00		80-100	0.010	4	03/20/2002
MW-15	32.81523	-103.76737	4026.75	130	0-99	113.50		99-129	0.010	2	09/17/2002
MW-16	32.81264	-103.76686	4017.74	130	0-98	113.50		98-128	0.010	2	09/17/2002
MW-17	32.81066	-103.76825	3998.58	100	0-79	97.36		79-99	0.010	2	09/17/2002
MW-18	32.80754	-103.77293	3980.46	110	0-87	85.91		87-107	0.010	2	09/17/2002
MW-19	32.81796	-103.77289	4037.34	120	0-98	117.23		98-118	0.010	2	09/17/2002
MW-20*	32.80878	-103.77718	3977.52	120	0-80	75.90		80-100	0.010	2	09/18/2002
SK-1*	32.81280	-103.77309	4005.60	105	0-85	74.07		85-105	0.010	4	03/21/2002
SK-2*	32.81278	-103.77309	4004.99	89.5	0-69	72.89		69-89	0.010	4	12/18/2002

Notes:
famsl = feet above mean sea level
fbgs = feet below ground surface
Blank Fields Indicate No Data
* Wells re-surveyed for location and elevation of top of casing on 12/21/07
** Section 21, T-17-S, R-32-E, New Mexico Principal Meridian
*** Schedule 40 PVC

TABLE 2

WATER LEVEL MEASUREMENTS JANUARY THROUGH DECEMBER 2012
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	*Sample Date*	*Casing Elevation (ft)*	*Depth to Water (ft)*	*Depth to LPH (ft)*	*LPH Thickness (ft)*	*LPH Thickness X (ft)*	*Adjusted Depth to Water (ft)*	*Groundwater Elevation (ft)*
MW-1	01/31/12	4002.24	81.59	81.34	0.25	0.20	81.39	3920.85
	02/29/12	4002.24	81.58	81.43	0.15	0.12	81.46	3920.78
	03/27/12	4002.24	81.62	81.44	0.18	0.14	81.48	3920.76
	04/18/12	4002.24	81.59	81.44	0.15	0.12	81.47	3920.77
	05/21/12	4002.24	81.81	81.68	0.13	0.10	81.71	3920.53
	07/17/12	4002.24	81.64	81.50	0.14	0.11	81.53	3920.71
	08/21/12	4002.24	81.70	81.62	0.08	0.06	81.64	3920.60
	09/17/12	4002.24	81.59	81.51	0.08	0.06	81.53	3920.71
	12/13/12	4002.24	NM	NM	NM	NM	NM	NM
MW-2	01/31/12	4005.12	78.41		0.00	0.00	78.41	3926.71
	02/29/12	4005.12	78.56		0.00	0.00	78.56	3926.56
	03/27/12	4005.12	78.55		0.00	0.00	78.55	3926.57
	04/18/12	4005.12	78.70		0.00	0.00	78.70	3926.42
	05/21/12	4005.12	79.00		0.00	0.00	79.00	3926.12
	07/17/12	4005.12	78.25		0.00	0.00	78.25	3926.87
	08/21/12	4005.12	78.15		0.00	0.00	78.15	3926.97
	09/17/12	4005.12	78.02		0.00	0.00	78.02	3927.10
	12/13/12	4005.12	NM	NM	NM	NM	NM	NM
MW-3	01/31/12	4001.94	78.34		0.00	0.00	78.34	3923.60
	02/29/12	4001.94	78.53					
	03/27/12	4001.94	78.51		0.00	0.00	78.51	3923.43
	04/18/12	4001.94	78.62	77.94	0.68	0.54	78.08	3923.86
	05/21/12	4001.94	78.90	77.82	1.08	0.86	78.04	3923.90
	07/17/12	4001.94	78.65		0.00	0.00	78.65	3923.29
	08/21/12	4001.94	78.63		0.00	0.00	78.63	3923.31
	09/17/12	4001.94	78.50		0.00		78.50	3923.44
	12/13/12	4001.94	78.87		0.00		78.87	3923.07
MW-4	01/31/12	4016.20	96.19		0.00	0.00	96.19	3920.01
	02/29/12	4016.20	96.23		0.00	0.00	96.23	3919.97
	03/27/12	4016.20	96.21		0.00	0.00	96.21	3919.99
	04/18/12	4016.20	96.24		0.00	0.00	96.24	3919.96
	05/21/12	4016.20	96.41		0.00	0.00	96.41	3919.79
	07/17/12	4016.20	96.29		0.00	0.00	96.29	3919.91
	08/21/12	4016.20	96.24		0.00	0.00	96.24	3919.96
	09/17/12	4016.20	96.12		0.00	0.00	96.12	3920.08
	12/13/12	4016.20	96.48		0.00	0.00	96.48	3919.72
MW-5	01/31/12	4009.42	93.63	93.54	0.09	0.07	93.56	3915.86
	02/29/12	4009.42	93.65	93.60	0.05	0.04	93.61	3915.81
	03/27/12	4009.42	NM					
	04/18/12	4009.42	93.93		0.00	0.00	93.93	3915.49
	05/21/12	4009.42	94.06		0.00	0.00	94.06	3915.36
	07/17/12	4009.42	93.90	93.89	0.01	0.01	93.89	3915.53
	08/21/12	4009.42	94.03		0.00	0.00	94.03	3915.39
	09/17/12	4009.42	93.95		0.00	0.00	93.95	3915.47
	12/13/12	4009.42	NM					

TABLE 2

WATER LEVEL MEASUREMENTS JANUARY THROUGH DECEMBER 2012
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	*Sample Date*	*Casing Elevation (ft)*	*Depth to Water (ft)*	*Depth to LPH (ft)*	*LPH Thickness (ft)*	*LPH Thickness X (ft)*	*Adjusted Depth to Water (ft)*	*Groundwater Elevation (ft)*
MW-7	01/31/12	4002.95	74.64		0.00	0.00	74.64	3928.31
	02/29/12	4002.95	75.49	75.48	0.01	0.01	75.48	3927.47
	03/27/12	4002.95	75.42	75.37	0.05	0.04	75.38	3927.57
	04/18/12	4002.95	75.61	75.55	0.06	0.05	75.56	3927.39
	05/21/12	4002.95	75.91	75.83	0.08	0.06	75.85	3927.10
	07/17/12	4002.95	75.04	72.62	2.42	1.94	73.10	3929.85
	08/21/12	4002.95	74.86	72.50	2.36	1.89	72.97	3929.98
	09/17/12	4002.95	74.78	72.60	2.18	1.74	73.04	3929.91
	12/13/12	4002.95	74.87	72.88	1.99	1.59	73.28	3929.67
MW-8	01/31/12	4000.72	77.79	77.71	0.08	0.06	77.73	3922.99
	02/29/12	4000.72	77.92	77.88	0.04	0.03	77.89	3922.83
	03/27/12	4000.72	77.98		0.00	0.00	77.98	3922.74
	04/18/12	4000.72	78.08		0.00	0.00	78.08	3922.64
	05/21/12	4000.72	78.39		0.00	0.00	78.39	3922.33
	07/17/12	4000.72	78.10		0.00	0.00	78.10	3922.62
	08/21/12	4000.72	78.17	78.15	0.02	0.02	78.15	3922.57
	09/17/12	4000.72	78.06		0.00	0.00	78.06	3922.66
	12/13/12	4000.72	78.33		0.00	0.00	78.33	3922.39
MW-9	01/31/12	4003.11	85.02	84.83	0.19	0.15	84.87	3918.24
	02/29/12	4003.11	84.96	84.19	0.77	0.62	84.34	3918.77
	03/27/12	4003.11	NM					
	04/18/12	4003.11	85.19		0.00	0.00	85.19	3917.92
	05/21/12	4003.11	85.37		0.00	0.00	85.37	3917.74
	07/17/12	4003.11	85.29		0.00	0.00	85.29	3917.82
	08/21/12	4003.11	85.33		0.00	0.00	85.33	3917.78
	09/17/12	4003.11	NM					
	12/13/12	4003.11	NM					
MW-10	01/31/12	4000.47	72.12		0.00	0.00	72.12	3928.35
	02/29/12	4000.47	72.21					
	03/27/12	4000.47	72.26		0.00	0.00	72.26	3928.21
	04/18/12	4000.47	72.33		0.00	0.00	72.33	3928.14
	05/21/12	4000.47	72.59		0.00	0.00	72.59	3927.88
	07/17/12	4000.47	72.50		0.00	0.00	72.50	3927.97
	08/21/12	4000.47	72.52		0.00	0.00	72.52	3927.95
	09/17/12	4000.47	72.39		0.00	0.00	72.39	3928.08
	12/13/12	4000.47	72.73		0.00	0.00	72.73	3927.74
MW-11	01/31/12	4015.54	84.77		0.00	0.00	84.77	3930.77
	02/29/12	4015.54	84.81		0.00	0.00	84.81	3930.73
	03/27/12	4015.54	84.85		0.00	0.00	84.85	3930.69
	04/18/12	4015.54	84.91		0.00	0.00	84.91	3930.63
	05/21/12	4015.54	85.15		0.00	0.00	85.15	3930.39
	07/17/12	4015.54	84.97		0.00	0.00	84.97	3930.57
	08/21/12	4015.54	84.97		0.00	0.00	84.97	3930.57
	09/17/12	4015.54	84.83		0.00	0.00	84.83	3930.71
	12/13/12	4015.54	85.15		0.00	0.00	85.15	3930.39

TABLE 2

WATER LEVEL MEASUREMENTS JANUARY THROUGH DECEMBER 2012
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	*Sample Date*	*Casing Elevation (ft)*	*Depth to Water (ft)*	*Depth to LPH (ft)*	*LPH Thickness (ft)*	*LPH Thickness X (ft)*	*Adjusted Depth to Water (ft)*	*Groundwater Elevation (ft)*
MW-12	01/31/12	4022.53	97.73		0.00	0.00	97.73	3924.80
	02/29/12	4022.53	97.83		0.00	0.00	97.83	3924.70
	03/27/12	4022.53	97.78		0.00	0.00	97.78	3924.75
	04/18/12	4022.53	97.80		0.00	0.00	97.80	3924.73
	05/21/12	4022.53	98.02		0.00	0.00	98.02	3924.51
	07/17/12	4022.53	94.66		0.00	0.00	94.66	3927.87
	08/21/12	4022.53	97.65		0.00	0.00	97.65	3924.88
	09/17/12	4022.53	97.62		0.00	0.00	97.62	3924.91
	12/13/12	4022.53	97.87		0.00	0.00	97.87	3924.66
MW-13	01/31/12	4031.96	108.14		0.00	0.00	108.14	3923.82
	02/29/12	4031.96	108.06		0.00	0.00	108.06	3923.90
	03/27/12	4031.96	108.05		0.00	0.00	108.05	3923.91
	04/18/12	4031.96	108.12		0.00	0.00	108.12	3923.84
	05/21/12	4031.96	108.36		0.00	0.00	108.36	3923.60
	07/17/12	4031.96	108.18		0.00	0.00	108.18	3923.78
	08/21/12	4031.96	108.21		0.00	0.00	108.21	3923.75
	09/17/12	4031.96	108.08		0.00	0.00	108.08	3923.88
	12/13/12	4031.96	108.40		0.00	0.00	108.40	3923.56
MW-14	01/31/12	4006.98	74.05		0.00	0.00	74.05	3932.93
	02/29/12	4006.98	74.12		0.00	0.00	74.12	3932.86
	03/27/12	4006.98	74.05		0.00	0.00	74.05	3932.93
	04/18/12	4006.98	74.23		0.00	0.00	74.23	3932.75
	05/21/12	4006.98	74.49		0.00	0.00	74.49	3932.49
	07/17/12	4006.98	74.41		0.00	0.00	74.41	3932.57
	08/21/12	4006.98	74.46		0.00	0.00	74.46	3932.52
	09/17/12	4006.98	74.36		0.00	0.00	74.36	3932.62
	12/13/12	4006.98	74.76		0.00	0.00	74.76	3932.22
MW-15	01/31/12	4026.75	121.14		0.00	0.00	121.14	3905.61
	02/29/12	4026.75	121.16		0.00	0.00	121.16	3905.59
	03/27/12	4026.75	121.09		0.00	0.00	121.09	3905.66
	04/18/12	4026.75	121.14		0.00	0.00	121.14	3905.61
	05/21/12	4026.75	121.26		0.00	0.00	121.26	3905.49
	07/17/12	4026.75	121.21		0.00	0.00	121.21	3905.54
	08/21/12	4026.75	121.17		0.00	0.00	121.17	3905.58
	09/17/12	4026.75	121.06		0.00	0.00	121.06	3905.69
	12/13/12	4026.75	121.30		0.00	0.00	121.30	3905.45
MW-16	01/31/12	4017.74	114.45		0.00	0.00	114.45	3903.29
	02/29/12	4017.74	114.49		0.00	0.00	114.49	3903.25
	03/27/12	4017.74	114.43		0.00	0.00	114.43	3903.31
	04/18/12	4017.74	114.48		0.00	0.00	114.48	3903.26
	05/21/12	4017.74	114.70		0.00	0.00	114.70	3903.04
	07/17/12	4017.74	114.49		0.00	0.00	114.49	3903.25
	08/21/12	4017.74	114.47		0.00	0.00	114.47	3903.27
	09/17/12	4017.74	114.34		0.00	0.00	114.34	3903.40
	12/13/12	4017.74	114.61		0.00	0.00	114.61	3903.13

TABLE 2

WATER LEVEL MEASUREMENTS JANUARY THROUGH DECEMBER 2012
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	*Sample Date*	*Casing Elevation (ft)*	*Depth to Water (ft)*	*Depth to LPH (ft)*	*LPH Thickness (ft)*	*LPH Thickness X (ft)*	*Adjusted Depth to Water (ft)*	*Groundwater Elevation (ft)*
MW-17	01/31/12	3998.58	97.41		0.00	0.00	97.41	3901.17
	02/29/12	3998.58	97.47		0.00	0.00	97.47	3901.11
	03/27/12	3998.58	97.39		0.00	0.00	97.39	3901.19
	04/18/12	3998.58	97.50		0.00	0.00	97.50	3901.08
	05/21/12	3998.58	97.63		0.00	0.00	97.63	3900.95
	07/17/12	3998.58	97.50		0.00	0.00	97.50	3901.08
	08/21/12	3998.58	97.44		0.00	0.00	97.44	3901.14
	09/17/12	3998.58	97.35		0.00	0.00	97.35	3901.23
	12/13/12	3998.58	97.55		0.00	0.00	97.55	3901.03
MW-18	01/31/12	3980.46	87.22		0.00	0.00	87.22	3893.24
	02/29/12	3980.46	87.27		0.00	0.00	87.27	3893.19
	03/27/12	3980.46	87.25		0.00	0.00	87.25	3893.21
	04/18/12	3980.46	87.30		0.00	0.00	87.30	3893.16
	05/21/12	3980.46	87.53		0.00	0.00	87.53	3892.93
	07/17/12	3980.46	87.33		0.00	0.00	87.33	3893.13
	08/21/12	3980.46	87.32		0.00	0.00	87.32	3893.14
	09/17/12	3980.46	87.20		0.00	0.00	87.20	3893.26
	12/13/12	3980.46	87.47		0.00	0.00	87.47	3892.99
MW-19	01/31/12	4037.34	116.35		0.00	0.00	116.35	3920.99
	02/29/12	4037.34	116.39		0.00	0.00	116.39	3920.95
	03/27/12	4037.34	116.30		0.00	0.00	116.30	3921.04
	04/18/12	4037.34	116.39		0.00	0.00	116.39	3920.95
	05/21/12	4037.34	116.54		0.00	0.00	116.54	3920.80
	07/17/12	4037.34	116.36		0.00	0.00	116.36	3920.98
	08/21/12	4037.34	116.33		0.00	0.00	116.33	3921.01
	09/17/12	4037.34	116.25		0.00	0.00	116.25	3921.09
	12/13/12	4037.34	116.42		0.00	0.00	116.42	3920.92
MW-20	01/31/12	3977.52	76.59		0.00	0.00	76.59	3900.93
	02/29/12	3977.52	76.63		0.00	0.00	76.63	3900.89
	03/27/12	3977.52	76.64		0.00	0.00	76.64	3900.88
	04/18/12	3977.52	76.69		0.00	0.00	76.69	3900.83
	05/21/12	3977.52	76.82		0.00	0.00	76.82	3900.70
	07/17/12	3977.52	76.70		0.00	0.00	76.70	3900.82
	08/21/12	3977.52	76.70		0.00	0.00	76.70	3900.82
	09/17/12	3977.52	76.61		0.00	0.00	76.61	3900.91
	12/13/12	3977.52	76.85		0.00	0.00	76.85	3900.67

TABLE 2

WATER LEVEL MEASUREMENTS JANUARY THROUGH DECEMBER 2012
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	*Sample Date*	*Casing Elevation (ft)*	*Depth to Water (ft)*	*Depth to LPH (ft)*	*LPH Thickness (ft)*	*LPH Thickness X (ft)*	*Adjusted Depth to Water (ft)*	*Groundwater Elevation (ft)*
SK-1	01/31/12	4005.60	78.25	78.10	0.15	0.12	78.13	3927.47
	02/29/12	4005.60	79.77	79.58	0.19	0.15	79.62	3925.98
	03/27/12	4005.60	79.50	79.05	0.45	0.36	79.14	3926.46
	04/18/12	4005.60	80.10	79.65	0.45	0.36	79.74	3925.86
	05/21/12	4005.60	80.40	79.91	0.49	0.39	80.01	3925.59
	07/17/12	4005.60	76.51	75.95	0.56	0.45	76.06	3929.54
	08/21/12	4005.60	75.36	74.98	0.38	0.30	75.06	3930.54
	09/17/12	4005.60	76.03	75.73	0.30	0.24	75.79	3929.81
	12/13/12	4005.60	76.27	75.96	0.31	0.25	76.02	3929.58
SK-2	01/31/12	4004.99	78.76	75.71	3.05	2.44	76.32	3928.67
	02/29/12	4004.99	77.07	76.03	1.04	0.83	76.24	3928.75
	03/27/12	4004.99	77.07	75.98	1.09	0.87	76.20	3928.79
	04/18/12	4004.99	77.19	76.14	1.05	0.84	76.35	3928.64
	05/21/12	4004.99	77.51	76.42	1.09	0.87	76.64	3928.35
	07/17/12	4004.99	75.57	75.04	0.53	0.42	75.15	3929.84
	08/21/12	4004.99	76.22	75.91	0.31	0.25	75.97	3929.02
	09/17/12	4004.99	75.10	74.77	0.33	0.26	74.84	3930.15
	12/13/12	4004.99	75.19	74.93	0.26	0.21	74.98	3930.01

Notes:
L.P.H. = Liquid Phase Hydrocarbon
Blank Fields Indicate No Data
ft - feet
* Wells re-surveyed for location and elevation of top of casing on 12/21/07.

TABLE 3

GROUNDWATER ANALYTICAL RESULTS SUMMARY 2012
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Parameters (mg/L)	*Water Well* July 2012	*MW-2* July 2012	*MW-3* July 2012	*MW-4* July 2012	*MW-8* July 2012	*MW-9* July 2012	*MW-10* July 2012	*MW-11* July 2012	*MW-12* July 2012	*MW-13* July 2012	*MW-14* July 2012	*MW-15* July 2012	*MW-16* July 2012	*MW-17* July 2012	*MW-18* July 2012	*MW-19* July 2012	*MW-20* July 2012	*NM WQ Std*
Total Metals																		
Calcium	112	344	324	182	232	10	790	215	3,420	252	455	91	160	344	2300	1620	2240	
Magnesium	60.7	58	72.2	53.7	55.2	2.68	170.0	64.2	812	53.4	137	35	45.8	68	714	50.3	654	
Potassium	5.74	5.02	2.82	7.9	2.96	0.76	10.90	3.6	56.50	6.24	9	3.14	2.8	10.3	39.1	8.67	39.60	
Sodium	171	69.4	115	75	32.4	176	749	80.6	11,400	71.5	49.80	55.6	51.7	238	3320	49.4	1070	
Volatile Organic Compounds																		
Benzene	<0.001	48.1	17.1	0.0380	16.20	15.6	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.01
Ethylbenzene	<0.001	0.741	0.338	0.0596	0.462	0.957	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.75
Toluene	<0.001	11.9	1.9	<0.001	1.96	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.75
Xylenes (total)	<0.003	<1.5	0.278	0.0205	0.4310	1.19	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.62
Semivolatile Organic Compounds																		
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.03
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.03
Acenaphthene	<0.0001	<0.0001	0.00012	0.00039	0.00260	0.00031	0.00054	0.0001	<0.0001	0.00012	<0.0001	0.0015	0.00025	0.00026	0.00036	0.00066	0.00046	
Acenaphthylene	<0.0001	<0.0001	<0.0001	<0.0001	0.00033	0.00015	0.00011	<0.0001	<0.0001	<0.0001	<0.0001	0.00021	<0.0001	0.00016	<0.0001	<0.0001	0.00011	
Anthracene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00035	<0.0001	<0.0001	<0.0001	<0.0001	0.00035	<0.0001	0.00045	<0.0001	<0.0001	<0.0001	
Benzo(a)anthracene	<0.0001	0.00056	0.00091	<0.0001	<0.0001	0.00016	0.00044	0.00013	<0.0001	0.00075	<0.0001	0.00019	<0.0001	0.0014	0.00012	<0.0001	<0.0001	
Benzo(a)pyrene	<0.0001	0.00064	0.00079	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0015	<0.0001	<0.0001	<0.0001	0.0007
Benzo(b)fluoranthene	<0.0001	0.0044	0.0055	<0.0001	<0.0001	<0.0001	0.00018	<0.0001	<0.0001	0.00055	<0.0001	<0.0001	<0.0001	0.0115	<0.0001	<0.0001	<0.0001	
Benzo(g,h,i)perylene	<0.0001	0.0011	0.0016	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0042	<0.0001	<0.0001	<0.0001	
Benzo(k)fluoranthene	<0.0001	<0.0001	0.00037	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Chrysene	<0.0001	0.0011	0.0019	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0034	<0.0001	<0.0001	<0.0001	
Dibenz(a,h)anthracene	<0.0001	0.00028	0.00023	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00095	<0.0001	<0.0001	<0.0001	
Dibenzofuran	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Fluoranthene	0.00017	0.0016	0.0034	0.00008	0.00018	0.00018	0.0013	0.00024	<0.0001	0.0011	<0.0001	0.00065	0.0001	0.0076	0.00013	0.00026	0.00015	
Fluorene	<0.0001	<0.0001	<0.0001	0.00036	0.00066	0.00028	0.00081	<0.0001	<0.0001	0.00014	<0.0001	0.0015	0.00021	0.00068	0.00033	0.00051	0.00043	
Indeno(1,2,3-cd)pyrene	<0.0001	0.00095	0.0012	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0035	<0.0001	<0.0001	<0.0001	
Naphthalene	<0.0005	0.00086	0.0028	0.125	0.008	0.675	0.144	<0.0005	<0.0005	0.0037	<0.0005	0.0213	0.0988	0.21	0.0065	0.0429	0.0067	0.03
Phenanthrene	<0.0005	<0.0005	0.00072	<0.0005	<0.0005	0.00051	0.0019	<0.0005	<0.0005	<0.0005	<0.0005	0.0022	<0.0005	0.002	<0.0005	0.00064	0.00056	
Pyrene	<0.0001	0.0011	0.002	<0.0001	<0.0001	0.00014	0.00081	0.00015	<0.0001	0.00055	<0.0001	0.00035	<0.0001	0.004	<0.0001	0.00012	0.00014	
Inorganic Analysis																		
Carbonate Alkalinity	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	
Bicarbonate Alkalinity	141	606	357	173	188	431	239	144	122	340	314	258	336	289	393	635	1820	
Total Alkalinity	141	606	357	173	188	431	239	144	122	340	314	258	336	289	393	635	1820	
Bromide	3	7.8	7.5	4.3	5.3	2.4	11.5	4.1	32.6	2.4	1.1	2.4	3.3	2.8	<100	1.4	13.6	
Chloride	451	461	672	507	522	64.9	2750	560	25,000	230	382	110	199	637	10,100	113	<1.0	250
Nitrate as N	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2.9	7.3	3.30	15.2	16.0	<0.1	<0.1	<0.1	4	2.6	4.3	10
Sulfate	139	2.8	29.2	<1.0	2.8	12.1	335	55.3	716	239	812.0	53	54.4	262	672	27.8	508	600
Total Dissolved Solids	1,250	1,620	2,300	1,510	1,590	617	6,960	1,780	57,200	1,240	2,430	601	801	1,960	27,300	585	14,000	1,000

Notes:
mg/L = milligrams per liter
< = Not detected at or above laboratory reporting limits.
Detected results are bolded.
NM WQ Std = New Mexico Water Quality Standard
* QA = Field duplicate sample analyses for evaluation of laboratory quality assurance/quality control (QA/QC) procedures.
---' indicates no data.

TABLE 4

MW-6 GROUNDWATER QUALITY MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Date	*Time*	*Specific Conductivity (mS/cm)*	*Salinity (ppt)*	*pH (units)*	*Temperature (°C)*	*Comments*
05/17/04		1.62	0.81	7.93	24.0	
07/12/04	10:27	1.70	0.85	8.23	21.5	
07/12/04	10:29	1.69	0.84	8.26	21.4	
07/12/04	10:30	1.69	0.84	8.27	21.3	
07/12/04	10:31	1.69	0.84	8.26	21.1	
07/12/04	10:33	1.69	0.84	8.25	21.2	
07/12/04	10:35	1.71	0.85	8.26	20.9	
07/12/04	10:37	1.69	0.84	8.23	21.0	pump off @10:37
07/26/04	11:44	1.71	0.86	8.13	21.7	pump off @11:49
08/10/04	10:13	1.71	0.85	8.26	23.3	
08/10/04	10:15	1.71	0.85	8.32	22.4	
08/10/04	10:17	1.71	0.86	8.39	22.1	
08/10/04	10:18	1.71	0.86	8.42	21.6	
08/10/04	10:22	1.72	0.86	8.47	21.7	
08/10/04	10:27	1.74	0.87	8.38	21.5	
08/10/04	10:29	1.73	0.86	8.39	21.7	pump off @ 10:29
08/16/04	8:59	1.75	0.87	8.29	21.0	
08/16/04	9:00	1.73	0.87	8.35	20.6	
08/16/04	9:03	1.72	0.86	8.43	20.4	
08/16/04	11:11	1.69	0.84	8.15	22.0	
08/16/04	11:15	1.71	0.86	8.35	21.4	
08/16/04	11:20	1.71	0.85	8.46	21.1	
08/16/04	11:25	1.73	0.86	8.41	21.3	pump off @ 11:28
08/23/04	8:15	1.72	0.86	8.31	21.3	
08/23/04	8:20	1.73	0.86	8.41	21.1	
08/23/04	8:25	1.75	0.87	8.42	21.2	pump off @ 08:27
08/30/04	9:22	1.75	0.88	8.33	22.2	
08/30/04	9:26	1.73	0.87	8.43	21.5	pump off @ 09:27
09/08/04	9:00	1.72	0.86	8.21	21.4	
09/08/04	9:05	1.72	0.86	8.47	21.6	
09/08/04	9:10	1.74	0.87	8.46	21.1	pump off @ 09:13
10/08/04	9:36	1.75	0.88	8.54	21.3	
10/08/04	9:40	1.75	0.88	8.69	21.0	
10/08/04	9:45	1.79	0.90	8.68	21.1	pump off @ 9:46
10/08/04	11:58	1.75	0.88	8.50	20.9	
10/08/04	12:05	1.77	0.89	8.67	20.5	
10/08/04	12:10	1.78	0.89	8.69	20.4	pump off @ 12:10
01/17/05	10:55	1.46	0.73	7.44	16.6	
02/09/05	11:20	1.45	0.72	7.14	18.5	
04/05/05	10:00	2.08	1.04	7.23	19.4	
08/08/05	10:35	1.73	0.86	7.12	22.8	
02/16/06	12:20	1.51	0.75	6.74	21.0	
03/07/06	11:35	1.49	0.74	7.37	21.4	
06/05/06	12:25	1.65	0.82	7.06		
09/20/06	12:42	1.80	0.90	7.04	22.8	
12/04/06	10:10	2.00	0.99	7.26	15.7	
01/04/07	11:05	2.06	1.02	7.30	18.5	
04/17/07	13:37	2.04		7.19	23.3	
10/16/07	11:30	2.24	1.11	6.95	21.1	
02/27/08	10:42	15.49	7.74	6.89	20.5	
10/15/08	14:05	2.34	1.16	7.10	18.0	
05/06/09	15:13	1.37	0.68	6.41	31.7	sampling event
05/25/10	14:05	2.15	1.07	7.19	26.9	sampling event
10/25/11	13:10	2.00		7.37	24.4	sampling event

Notes:
mS/cm = milliSiemens per centimeter
ppt = parts per thousand
°C = degrees Celsius

TABLE 5

MW-6 EXTRACTION WELL RECOVERY VOLUMES
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		
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	

TABLE 5

MW-6 EXTRACTION WELL RECOVERY VOLUMES
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*
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	
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	

TABLE 5

MW-6 EXTRACTION WELL RECOVERY VOLUMES
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*
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	
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	

TABLE 5

MW-6 EXTRACTION WELL RECOVERY VOLUMES
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*
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 f/ repairs to flowline
03/08/11	9:15	1,102,475.20	0.00	1,327,548.05		0.00	pump off f/ repairs to tank
04/13/11	10:20	1,102,475.20	0.00	1,327,548.05		0.00	pump off f/ 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	1,415,044.45		0.24	
10/21/11	13:00	1,241,283.3	16,351.30	1,407,602.25		0.12	
11/29/11	11:24	1,268,280.8	26,997.50	1,453,208.85		0.21	
12/23/11	13:41	1,285,590.50	17,309.70	1,432,354.15		0.14	
01/31/12	11:45	1,313,121.60	27,531.10	1,435,133.35		0.19	
02/29/12	12:45	1,335,028.70	21,907.10	1,475,115.95		0.17	
03/27/12	1:00	1,348,829.40	13,800.70	1,446,154.85		0.10	
04/18/12							System shut down
05/21/12							System shut down
07/17/12							System shut down
08/21/12							System shut down
09/17/12							System shut down

APPENDIX A

GROUNDWATER LABORATORY ANALYTICAL REPORTS – JULY 2012

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

August 09, 2012

Ken Horton
CRA
2135 South Loop, 250 West
Midland, TX 79703

RE: Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Dear Ken Horton:
Enclosed are the analytical results for sample(s) received by the laboratory on July 20, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Alice Flanagan

Alice Flanagan

alice.flanagan@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 12-019-0
Illinois Certification #: 002885
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-12-3
Utah Certification #: KS000212012-2

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

SAMPLE SUMMARY

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60125567001	MW-2-071812	Water	07/18/12 16:30	07/20/12 08:30
60125567002	MW-3-071812	Water	07/18/12 17:30	07/20/12 08:30
60125567003	MW-4-071812	Water	07/18/12 15:50	07/20/12 08:30
60125567004	MW-8-071812	Water	07/18/12 13:50	07/20/12 08:30
60125567005	MW-9-071812	Water	07/18/12 16:55	07/20/12 08:30
60125567006	MW-10-071812	Water	07/18/12 15:20	07/20/12 08:30
60125567007	MW-11-071812	Water	07/18/12 15:00	07/20/12 08:30
60125567008	MW-12-071812	Water	07/18/12 14:15	07/20/12 08:30
60125567009	MW-13-071812	Water	07/18/12 13:40	07/20/12 08:30
60125567010	MW-14-071812	Water	07/18/12 17:00	07/20/12 08:30
60125567011	MW-15-071812	Water	07/18/12 13:00	07/20/12 08:30
60125567012	MW-16-071812	Water	07/18/12 12:45	07/20/12 08:30
60125567013	MW-17-071812	Water	07/18/12 12:15	07/20/12 08:30
60125567014	MW-18-071812	Water	07/18/12 12:00	07/20/12 08:30
60125567015	MW-19-071812	Water	07/18/12 13:50	07/20/12 08:30
60125567016	MW-20-071812	Water	07/18/12 11:40	07/20/12 08:30
60125567017	EW-1-071812	Water	07/18/12 14:20	07/20/12 08:30
60125567018	WW-071812	Water	07/18/12 18:00	07/20/12 08:30
60125567019	TRIPS	Water	07/18/12 00:00	07/20/12 08:30

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

SAMPLE ANALYTE COUNT

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60125567001	MW-2-071812	EPA 6010	SMW	4
		EPA 8270	JMT	5
		EPA 8270C by SIM	BRM	19
		EPA 8260	JDM	9
		SM 2320B	PWH	3
		SM 2540C	NDL	1
		EPA 300.0	OL	3
		EPA 353.2	KLB	1
60125567002	MW-3-071812	EPA 6010	SMW	4
		EPA 8270	JMT	5
		EPA 8270C by SIM	BRM	19
		EPA 8260	HNS, JDM, RNS	9
		SM 2320B	PWH	3
		SM 2540C	NDL	1
		EPA 300.0	OL	3
		EPA 353.2	KLB	1
60125567003	MW-4-071812	EPA 6010	SMW	4
		EPA 8270	JMT	5
		EPA 8270C by SIM	BRM	19
		EPA 8260	JDM, RNS	9
		SM 2320B	PWH	3
		SM 2540C	NDL	1
		EPA 300.0	OL	3
		EPA 353.2	KLB	1
60125567004	MW-8-071812	EPA 6010	SMW	4
		EPA 8270	JMT	5
		EPA 8270C by SIM	BRM	19
		EPA 8260	HNS, RNS	9
		SM 2320B	PWH	3
		SM 2540C	NDL	1
		EPA 300.0	OL	3
		EPA 353.2	KLB	1
60125567005	MW-9-071812	EPA 6010	SMW	4
		EPA 8270	JMT	5
		EPA 8270C by SIM	BRM	19
		EPA 8260	HNS, RNS	9

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

SAMPLE ANALYTE COUNT

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		SM 2320B	PWH	3
		SM 2540C	NDL	1
		EPA 300.0	OL	3
		EPA 353.2	KLB	1
60125567006	**MW-10-071812**	EPA 6010	SMW	4
		EPA 8270	JMT	5
		EPA 8270C by SIM	BRM	19
		EPA 8260	JDM, RNS	9
		SM 2320B	PWH	3
		SM 2540C	NDL	1
		EPA 300.0	OL	3
		EPA 353.2	KLB	1
60125567007	**MW-11-071812**	EPA 6010	SMW	4
		EPA 8270	JMT	5
		EPA 8270C by SIM	BRM	19
		EPA 8260	JDM, RNS	9
		SM 2320B	PWH	3
		SM 2540C	NDL	1
		EPA 300.0	OL	3
		EPA 353.2	KLB	1
60125567008	**MW-12-071812**	EPA 6010	SMW	4
		EPA 8270	JMT	5
		EPA 8270C by SIM	BRM	19
		EPA 8260	JDM, RNS	9
		SM 2320B	PWH	3
		SM 2540C	NDL	1
		EPA 300.0	OL	3
		EPA 353.2	KLB	1
60125567009	**MW-13-071812**	EPA 6010	SMW	4
		EPA 8270	JMT	5
		EPA 8270C by SIM	BRM	19
		EPA 8260	JDM	9
		SM 2320B	PWH	3
		SM 2540C	NDL	1
		EPA 300.0	OL	3
		EPA 353.2	KLB	1
60125567010	**MW-14-071812**	EPA 6010	SMW	4

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

SAMPLE ANALYTE COUNT

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 8270	JMT	5
		EPA 8270C by SIM	BRM	19
		EPA 8260	JDM	9
		SM 2320B	PWH	3
		SM 2540C	NDL	1
		EPA 300.0	OL	3
		EPA 353.2	KLB	1
60125567011	MW-15-071812	EPA 6010	SMW	4
		EPA 8270	JMT	5
		EPA 8270C by SIM	BRM	19
		EPA 8260	JDM	9
		SM 2320B	PWH	3
		SM 2540C	NDL	1
		EPA 300.0	OL	3
		EPA 353.2	KLB	1
60125567012	MW-16-071812	EPA 6010	SMW	4
		EPA 8270	JMT	5
		EPA 8270C by SIM	BRM	19
		EPA 8260	JDM	9
		SM 2320B	PWH	3
		SM 2540C	NDL	1
		EPA 300.0	OL	3
		EPA 353.2	KLB	1
60125567013	MW-17-071812	EPA 6010	SMW	4
		EPA 8270	JMT	5
		EPA 8270C by SIM	BRM	19
		EPA 8260	JDM	9
		SM 2320B	PWH	3
		SM 2540C	NDL	1
		EPA 300.0	OL	3
		EPA 353.2	KLB	1
60125567014	MW-18-071812	EPA 6010	SMW	4
		EPA 8270	JMT	5
		EPA 8270C by SIM	BRM	19
		EPA 8260	JDM	9
		SM 2320B	PWH	3
		SM 2540C	NDL	1

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

SAMPLE ANALYTE COUNT

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 300.0	OL	3
		EPA 353.2	KLB	1
60125567015	MW-19-071812	EPA 6010	SMW	4
		EPA 8270	JMT	5
		EPA 8270C by SIM	BRM	19
		EPA 8260	JDM	9
		SM 2320B	PWH	3
		SM 2540C	NDL	1
		EPA 300.0	OL	3
		EPA 353.2	KLB	1
60125567016	MW-20-071812	EPA 6010	SMW	4
		EPA 8270	JMT	5
		EPA 8270C by SIM	BRM	19
		EPA 8260	JDM	9
		SM 2320B	PWH	3
		SM 2540C	NDL	1
		EPA 300.0	OL	3
		EPA 353.2	KLB	1
60125567017	EW-1-071812	EPA 6010	SMW	4
		EPA 8270	JMT	5
		EPA 8270C by SIM	BRM	19
		EPA 8260	JDM	9
		SM 2320B	PWH	3
		SM 2540C	NDL	1
		EPA 300.0	OL	3
		EPA 353.2	KLB	1
60125567018	WW-071812	EPA 6010	SMW	4
		EPA 8270	JMT	5
		EPA 8270C by SIM	BRM	19
		EPA 8260	JDM	9
		SM 2320B	PWH	3
		SM 2540C	NDL	1
		EPA 300.0	OL	3
		EPA 353.2	KLB	1
60125567019	TRIPS	EPA 8260	JDM	9

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

PROJECT NARRATIVE

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Method: **EPA 6010**
Description: 6010 MET ICP
Client: COP_CRA Midland, TX
Date: August 09, 2012

General Information:
18 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

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

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

QC Batch: MPRP/18823

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60125567018

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1033787)
  - Calcium
- MSD (Lab ID: 1033788)
  - Calcium

Additional Comments:

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

PROJECT NARRATIVE

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Method: **EPA 8270**
Description: 8270 MSSV DRO/ORO
Client: COP_CRA Midland, TX
Date: August 09, 2012

General Information:
18 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below.

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

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

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

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

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

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

QC Batch: MSSV/10695

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

Additional Comments:

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

PROJECT NARRATIVE

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Method: **EPA 8270C by SIM**
Description: 8270 MSSV PAH by SIM
Client: COP_CRA Midland, TX
Date: August 09, 2012

General Information:
18 samples were analyzed for EPA 8270C by SIM. All samples were received in acceptable condition with any exceptions noted below.

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

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

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

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

QC Batch: OEXT/34122

IO: The internal standard response was outside the laboratory acceptance limits confirmed by reanalysis. The results reported are from the most QC compliant analysis.

- BLANK (Lab ID: 1033733)
  - Nitrobenzene-d5 (S)
- EW-1-071812 (Lab ID: 60125567017)
  - Nitrobenzene-d5 (S)
- MW-11-071812 (Lab ID: 60125567007)
  - Nitrobenzene-d5 (S)
- MW-12-071812 (Lab ID: 60125567008)
  - Nitrobenzene-d5 (S)
- MW-13-071812 (Lab ID: 60125567009)
  - Nitrobenzene-d5 (S)
- MW-14-071812 (Lab ID: 60125567010)
  - Nitrobenzene-d5 (S)
- MW-15-071812 (Lab ID: 60125567011)
  - Nitrobenzene-d5 (S)
- MW-19-071812 (Lab ID: 60125567015)
  - Nitrobenzene-d5 (S)
- WW-071812 (Lab ID: 60125567018)
  - Nitrobenzene-d5 (S)

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

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

PROJECT NARRATIVE

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Method: **EPA 8270C by SIM**
Description: 8270 MSSV PAH by SIM
Client: COP_CRA Midland, TX
Date: August 09, 2012

QC Batch: OEXT/34122

S0: Surrogate recovery outside laboratory control limits.
- LCS (Lab ID: 1033734)
  - 2-Fluorobiphenyl (S)

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- EW-1-071812 (Lab ID: 60125567017)
  - Terphenyl-d14 (S)
- MW-11-071812 (Lab ID: 60125567007)
  - Terphenyl-d14 (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

Additional Comments:

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

PROJECT NARRATIVE

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Method: **EPA 8260**
Description: 8260 MSV UST, Water
Client: COP_CRA Midland, TX
Date: August 09, 2012

General Information:
19 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

pH: Post-analysis pH measurement indicates insufficient VOA sample preservation.
- MW-20-071812 (Lab ID: 60125567016)

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

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

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

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

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

QC Batch: MSV/47280

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

QC Batch: MSV/47316

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

QC Batch: MSV/47360

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

Additional Comments:

Batch Comments:

- QC Batch: MSV / 47317

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

PROJECT NARRATIVE

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Method: **SM 2320B**
Description: 2320B Alkalinity
Client: COP_CRA Midland, TX
Date: August 09, 2012

General Information:
18 samples were analyzed for SM 2320B. All samples were received in acceptable condition with any exceptions noted below.

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

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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

PROJECT NARRATIVE

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Method: **SM 2540C**
Description: 2540C Total Dissolved Solids
Client: COP_CRA Midland, TX
Date: August 09, 2012

General Information:
18 samples were analyzed for SM 2540C. All samples were received in acceptable condition with any exceptions noted below.

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

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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

PROJECT NARRATIVE

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Method: **EPA 300.0**
Description: 300.0 IC Anions 28 Days
Client: COP_CRA Midland, TX
Date: August 09, 2012

General Information:
18 samples were analyzed for EPA 300.0. All samples were received in acceptable condition with any exceptions noted below.

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

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

Additional Comments:

Analyte Comments:

QC Batch: WETA/21081

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
- MW-12-071812 (Lab ID: 60125567008)
  - Bromide

QC Batch: WETA/21082

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
- MW-18-071812 (Lab ID: 60125567014)
  - Bromide

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

PROJECT NARRATIVE

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Method: **EPA 353.2**
Description: 353.2 Nitrogen, NO2/NO3 unpres
Client: COP_CRA Midland, TX
Date: August 09, 2012

General Information:
18 samples were analyzed for EPA 353.2. All samples were received in acceptable condition with any exceptions noted below.

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

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-2-071812 **Lab ID: 60125567001** Collected: 07/18/12 16:30 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Calcium	**344000**	ug/L	100	1	07/24/12 11:30	07/30/12 14:21	7440-70-2	
Magnesium	**58000**	ug/L	50.0	1	07/24/12 11:30	07/30/12 14:21	7439-95-4	
Potassium	**5020**	ug/L	500	1	07/24/12 11:30	07/30/12 14:21	7440-09-7	
Sodium	**69400**	ug/L	5000	10	07/24/12 11:30	07/31/12 12:09	7440-23-5	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C							
TPH-ORO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 09:59		
TPH-DRO	**20.5**	mg/L	1.0	1	07/24/12 00:00	07/25/12 09:59		
Surrogates								
Nitrobenzene-d5 (S)	175	%	21-189	1	07/24/12 00:00	07/25/12 09:59	4165-60-0	
2-Fluorobiphenyl (S)	94	%	34-180	1	07/24/12 00:00	07/25/12 09:59	321-60-8	
Terphenyl-d14 (S)	105	%	24-168	1	07/24/12 00:00	07/25/12 09:59	1718-51-0	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270C by SIM Preparation Method: EPA 3510C							
Acenaphthene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:51	83-32-9	
Acenaphthylene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:51	208-96-8	
Anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:51	120-12-7	
Benzo(a)anthracene	**0.56**	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:51	56-55-3	
Benzo(a)pyrene	**0.64**	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:51	50-32-8	
Benzo(b)fluoranthene	**4.4**	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:51	205-99-2	
Benzo(g,h,i)perylene	**1.1**	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:51	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:51	207-08-9	
Chrysene	**1.1**	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:51	218-01-9	
Dibenz(a,h)anthracene	**0.28**	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:51	53-70-3	
Fluoranthene	**1.6**	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:51	206-44-0	
Fluorene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:51	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.95**	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:51	193-39-5	
Naphthalene	**0.86**	ug/L	0.50	1	07/24/12 00:00	08/04/12 07:51	91-20-3	
Phenanthrene	ND	ug/L	0.50	1	07/24/12 00:00	08/04/12 07:51	85-01-8	
Pyrene	**1.1**	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:51	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	91	%	42-120	50	07/24/12 00:00	08/04/12 08:08	4165-60-0	
2-Fluorobiphenyl (S)	82	%	44-120	50	07/24/12 00:00	08/04/12 08:08	321-60-8	
Terphenyl-d14 (S)	122	%	46-131	50	07/24/12 00:00	08/04/12 08:08	1718-51-0	
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**48100**	ug/L	500	500		07/26/12 03:43	71-43-2	
Ethylbenzene	**741**	ug/L	500	500		07/26/12 03:43	100-41-4	
Toluene	**11900**	ug/L	500	500		07/26/12 03:43	108-88-3	
Xylene (Total)	ND	ug/L	1500	500		07/26/12 03:43	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%	80-120	500		07/26/12 03:43	1868-53-7	
Toluene-d8 (S)	98	%	80-120	500		07/26/12 03:43	2037-26-5	
4-Bromofluorobenzene (S)	97	%	80-120	500		07/26/12 03:43	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	80-120	500		07/26/12 03:43	17060-07-0	
Preservation pH	**1.0**		1.0	500		07/26/12 03:43		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-2-071812 **Lab ID: 60125567001** Collected: 07/18/12 16:30 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**606**	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Total as CaCO3	**606**	mg/L	20.0	1		08/01/12 11:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1620**	mg/L	5.0	1		07/23/12 11:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Bromide	**7.8**	mg/L	1.0	1		07/30/12 15:58	24959-67-9	
Chloride	**461**	mg/L	100	100		07/31/12 13:20	16887-00-6	
Sulfate	**2.8**	mg/L	1.0	1		07/30/12 15:58	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		07/20/12 12:42		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-3-071812 **Lab ID: 60125567002** Collected: 07/18/12 17:30 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Calcium	**324000**	ug/L	100	1	07/24/12 11:30	07/30/12 14:27	7440-70-2	
Magnesium	**72200**	ug/L	50.0	1	07/24/12 11:30	07/30/12 14:27	7439-95-4	
Potassium	**2820**	ug/L	500	1	07/24/12 11:30	07/30/12 14:27	7440-09-7	
Sodium	**115000**	ug/L	5000	10	07/24/12 11:30	07/31/12 12:11	7440-23-5	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C							
TPH-ORO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 10:18		
TPH-DRO	**16.2**	mg/L	1.0	1	07/24/12 00:00	07/25/12 10:18		
Surrogates								
Nitrobenzene-d5 (S)	101	%	21-189	1	07/24/12 00:00	07/25/12 10:18	4165-60-0	
2-Fluorobiphenyl (S)	95	%	34-180	1	07/24/12 00:00	07/25/12 10:18	321-60-8	
Terphenyl-d14 (S)	101	%	24-168	1	07/24/12 00:00	07/25/12 10:18	1718-51-0	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270C by SIM Preparation Method: EPA 3510C							
Acenaphthene	**0.12**	ug/L	0.10	1	07/24/12 00:00	08/04/12 03:51	83-32-9	
Acenaphthylene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 03:51	208-96-8	
Anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 03:51	120-12-7	
Benzo(a)anthracene	**0.91**	ug/L	0.10	1	07/24/12 00:00	08/04/12 03:51	56-55-3	
Benzo(a)pyrene	**0.79**	ug/L	0.10	1	07/24/12 00:00	08/04/12 03:51	50-32-8	
Benzo(b)fluoranthene	**5.5**	ug/L	0.10	1	07/24/12 00:00	08/04/12 03:51	205-99-2	
Benzo(g,h,i)perylene	**1.6**	ug/L	0.10	1	07/24/12 00:00	08/04/12 03:51	191-24-2	
Benzo(k)fluoranthene	**0.37**	ug/L	0.10	1	07/24/12 00:00	08/04/12 03:51	207-08-9	
Chrysene	**1.9**	ug/L	0.10	1	07/24/12 00:00	08/04/12 03:51	218-01-9	
Dibenz(a,h)anthracene	**0.23**	ug/L	0.10	1	07/24/12 00:00	08/04/12 03:51	53-70-3	
Fluoranthene	**3.4**	ug/L	0.10	1	07/24/12 00:00	08/04/12 03:51	206-44-0	
Fluorene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 03:51	86-73-7	
Indeno(1,2,3-cd)pyrene	**1.2**	ug/L	0.10	1	07/24/12 00:00	08/04/12 03:51	193-39-5	
Naphthalene	**2.8**	ug/L	0.50	1	07/24/12 00:00	08/04/12 03:51	91-20-3	
Phenanthrene	**0.72**	ug/L	0.50	1	07/24/12 00:00	08/04/12 03:51	85-01-8	
Pyrene	**2.0**	ug/L	0.10	1	07/24/12 00:00	08/04/12 03:51	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	84	%	42-120	50	07/24/12 00:00	08/04/12 04:08	4165-60-0	
2-Fluorobiphenyl (S)	75	%	44-120	50	07/24/12 00:00	08/04/12 04:08	321-60-8	
Terphenyl-d14 (S)	105	%	46-131	50	07/24/12 00:00	08/04/12 04:08	1718-51-0	
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**17100**	ug/L	100	100		07/27/12 14:25	71-43-2	
Ethylbenzene	**338**	ug/L	50.0	50		07/27/12 01:42	100-41-4	
Toluene	**1930**	ug/L	50.0	50		07/27/12 01:42	108-88-3	
Xylene (Total)	**278**	ug/L	3.0	1		07/26/12 03:58	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%	80-120	1		07/26/12 03:58	1868-53-7	
Toluene-d8 (S)	102	%	80-120	1		07/26/12 03:58	2037-26-5	
4-Bromofluorobenzene (S)	96	%	80-120	1		07/26/12 03:58	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	80-120	1		07/26/12 03:58	17060-07-0	
Preservation pH	**1.0**		1.0	1		07/26/12 03:58		

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-3-071812 **Lab ID: 60125567002** Collected: 07/18/12 17:30 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**357**	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Total as CaCO3	**357**	mg/L	20.0	1		08/01/12 11:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**2300**	mg/L	5.0	1		07/23/12 11:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Bromide	**7.5**	mg/L	1.0	1		07/30/12 16:16	24959-67-9	
Chloride	**672**	mg/L	100	100		07/31/12 13:37	16887-00-6	
Sulfate	**29.2**	mg/L	2.0	2		07/31/12 14:47	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		07/20/12 12:44		

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-4-071812 **Lab ID: 60125567003** Collected: 07/18/12 15:50 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Calcium	**182000**	ug/L	100	1	07/24/12 11:30	07/30/12 14:29	7440-70-2	
Magnesium	**53700**	ug/L	50.0	1	07/24/12 11:30	07/30/12 14:29	7439-95-4	
Potassium	**7850**	ug/L	500	1	07/24/12 11:30	07/30/12 14:29	7440-09-7	
Sodium	**75100**	ug/L	5000	10	07/24/12 11:30	07/31/12 12:13	7440-23-5	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C							
TPH-ORO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 10:37		
TPH-DRO	**2.1**	mg/L	1.0	1	07/24/12 00:00	07/25/12 10:37		
Surrogates								
Nitrobenzene-d5 (S)	104	%	21-189	1	07/24/12 00:00	07/25/12 10:37	4165-60-0	
2-Fluorobiphenyl (S)	86	%	34-180	1	07/24/12 00:00	07/25/12 10:37	321-60-8	
Terphenyl-d14 (S)	97	%	24-168	1	07/24/12 00:00	07/25/12 10:37	1718-51-0	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270C by SIM Preparation Method: EPA 3510C							
Acenaphthene	**0.39**	ug/L	0.10	1	07/24/12 00:00	08/04/12 08:25	83-32-9	
Acenaphthylene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 08:25	208-96-8	
Anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 08:25	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 08:25	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 08:25	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 08:25	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 08:25	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 08:25	207-08-9	
Chrysene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 08:25	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 08:25	53-70-3	
Fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 08:25	206-44-0	
Fluorene	**0.36**	ug/L	0.10	1	07/24/12 00:00	08/04/12 08:25	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 08:25	193-39-5	
Naphthalene	**125**	ug/L	0.50	1	07/24/12 00:00	08/04/12 08:25	91-20-3	
Phenanthrene	ND	ug/L	0.50	1	07/24/12 00:00	08/04/12 08:25	85-01-8	
Pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 08:25	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	82	%	42-120	50	07/24/12 00:00	08/04/12 08:42	4165-60-0	
2-Fluorobiphenyl (S)	73	%	44-120	50	07/24/12 00:00	08/04/12 08:42	321-60-8	
Terphenyl-d14 (S)	104	%	46-131	50	07/24/12 00:00	08/04/12 08:42	1718-51-0	
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**38.0**	ug/L	1.0	1		07/27/12 01:57	71-43-2	
Ethylbenzene	**59.6**	ug/L	1.0	1		07/27/12 01:57	100-41-4	
Toluene	ND	ug/L	1.0	1		07/27/12 01:57	108-88-3	
Xylene (Total)	**20.5**	ug/L	3.0	1		07/27/12 01:57	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%	80-120	1		07/26/12 04:14	1868-53-7	
Toluene-d8 (S)	101	%	80-120	1		07/26/12 04:14	2037-26-5	
4-Bromofluorobenzene (S)	100	%	80-120	1		07/26/12 04:14	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	80-120	1		07/26/12 04:14	17060-07-0	
Preservation pH	**1.0**		1.0	1		07/26/12 04:14		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-4-071812 **Lab ID: 60125567003** Collected: 07/18/12 15:50 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**173**	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Total as CaCO3	**173**	mg/L	20.0	1		08/01/12 11:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1510**	mg/L	5.0	1		07/23/12 11:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Bromide	**4.3**	mg/L	1.0	1		07/30/12 16:51	24959-67-9	
Chloride	**507**	mg/L	100	100		07/31/12 15:22	16887-00-6	
Sulfate	ND	mg/L	1.0	1		07/30/12 16:51	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		07/20/12 11:29		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-8-071812 **Lab ID: 60125567004** Collected: 07/18/12 13:50 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Calcium	**232000**	ug/L	100	1	07/24/12 11:30	07/30/12 14:32	7440-70-2	
Magnesium	**55200**	ug/L	50.0	1	07/24/12 11:30	07/30/12 14:32	7439-95-4	
Potassium	**2960**	ug/L	500	1	07/24/12 11:30	07/30/12 14:32	7440-09-7	
Sodium	**32400**	ug/L	5000	10	07/24/12 11:30	07/31/12 12:15	7440-23-5	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C							
TPH-ORO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 10:55		
TPH-DRO	**13.0**	mg/L	1.0	1	07/24/12 00:00	07/25/12 10:55		
Surrogates								
Nitrobenzene-d5 (S)	94	%	21-189	1	07/24/12 00:00	07/25/12 10:55	4165-60-0	
2-Fluorobiphenyl (S)	92	%	34-180	1	07/24/12 00:00	07/25/12 10:55	321-60-8	
Terphenyl-d14 (S)	96	%	24-168	1	07/24/12 00:00	07/25/12 10:55	1718-51-0	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270C by SIM Preparation Method: EPA 3510C							
Acenaphthene	**2.6**	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:25	83-32-9	
Acenaphthylene	**0.33**	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:25	208-96-8	
Anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:25	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:25	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:25	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:25	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:25	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:25	207-08-9	
Chrysene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:25	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:25	53-70-3	
Fluoranthene	**0.18**	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:25	206-44-0	
Fluorene	**0.66**	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:25	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:25	193-39-5	
Naphthalene	**8.0**	ug/L	0.50	1	07/24/12 00:00	08/04/12 04:25	91-20-3	
Phenanthrene	ND	ug/L	0.50	1	07/24/12 00:00	08/04/12 04:25	85-01-8	
Pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:25	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	79	%	42-120	50	07/24/12 00:00	08/04/12 04:42	4165-60-0	
2-Fluorobiphenyl (S)	73	%	44-120	50	07/24/12 00:00	08/04/12 04:42	321-60-8	
Terphenyl-d14 (S)	115	%	46-131	50	07/24/12 00:00	08/04/12 04:42	1718-51-0	
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**16200**	ug/L	100	100		07/27/12 14:42	71-43-2	
Ethylbenzene	**462**	ug/L	50.0	50		07/27/12 02:12	100-41-4	
Toluene	**1960**	ug/L	50.0	50		07/27/12 02:12	108-88-3	
Xylene (Total)	**431**	ug/L	150	50		07/27/12 02:12	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%	80-120	50		07/27/12 02:12	1868-53-7	
Toluene-d8 (S)	104	%	80-120	50		07/27/12 02:12	2037-26-5	
4-Bromofluorobenzene (S)	106	%	80-120	50		07/27/12 02:12	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	80-120	50		07/27/12 02:12	17060-07-0	
Preservation pH	**1.0**		1.0	50		07/27/12 02:12		

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-8-071812 **Lab ID: 60125567004** Collected: 07/18/12 13:50 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**188**	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Total as CaCO3	**188**	mg/L	20.0	1		08/01/12 11:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1590**	mg/L	5.0	1		07/23/12 11:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Bromide	**5.3**	mg/L	1.0	1		07/30/12 17:08	24959-67-9	
Chloride	**522**	mg/L	100	100		07/31/12 15:39	16887-00-6	
Sulfate	**2.8**	mg/L	1.0	1		07/30/12 17:08	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		07/20/12 11:23		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-9-071812 **Lab ID: 60125567005** Collected: 07/18/12 16:55 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Calcium	**10000**	ug/L	100	1	07/24/12 11:30	07/30/12 14:34	7440-70-2	
Magnesium	**2680**	ug/L	50.0	1	07/24/12 11:30	07/30/12 14:34	7439-95-4	
Potassium	**757**	ug/L	500	1	07/24/12 11:30	07/30/12 14:34	7440-09-7	
Sodium	**176000**	ug/L	5000	10	07/24/12 11:30	07/31/12 12:17	7440-23-5	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C							
TPH-ORO	**8.7**	mg/L	1.0	1	07/24/12 00:00	07/25/12 11:14		
TPH-DRO	**58.7**	mg/L	1.0	1	07/24/12 00:00	07/25/12 11:14		
Surrogates								
Nitrobenzene-d5 (S)	112	%	21-189	1	07/24/12 00:00	07/25/12 11:14	4165-60-0	
2-Fluorobiphenyl (S)	120	%	34-180	1	07/24/12 00:00	07/25/12 11:14	321-60-8	
Terphenyl-d14 (S)	103	%	24-168	1	07/24/12 00:00	07/25/12 11:14	1718-51-0	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270C by SIM Preparation Method: EPA 3510C							
Acenaphthene	**0.31**	ug/L	0.10	1	07/24/12 00:00	08/05/12 12:57	83-32-9	
Acenaphthylene	**0.15**	ug/L	0.10	1	07/24/12 00:00	08/05/12 12:57	208-96-8	
Anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 12:57	120-12-7	
Benzo(a)anthracene	**0.16**	ug/L	0.10	1	07/24/12 00:00	08/05/12 12:57	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 12:57	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 12:57	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 12:57	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 12:57	207-08-9	
Chrysene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 12:57	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 12:57	53-70-3	
Fluoranthene	**0.18**	ug/L	0.10	1	07/24/12 00:00	08/05/12 12:57	206-44-0	
Fluorene	**0.28**	ug/L	0.10	1	07/24/12 00:00	08/05/12 12:57	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 12:57	193-39-5	
Naphthalene	**675**	ug/L	25.0	50	07/24/12 00:00	08/07/12 20:57	91-20-3	
Phenanthrene	**0.51**	ug/L	0.50	1	07/24/12 00:00	08/05/12 12:57	85-01-8	
Pyrene	**0.14**	ug/L	0.10	1	07/24/12 00:00	08/05/12 12:57	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	82	%	42-120	50	07/24/12 00:00	08/07/12 20:57	4165-60-0	
2-Fluorobiphenyl (S)	83	%	44-120	50	07/24/12 00:00	08/07/12 20:57	321-60-8	
Terphenyl-d14 (S)	122	%	46-131	50	07/24/12 00:00	08/07/12 20:57	1718-51-0	
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**15600**	ug/L	100	100		07/27/12 14:58	71-43-2	
Ethylbenzene	**957**	ug/L	50.0	50		07/27/12 02:27	100-41-4	
Toluene	ND	ug/L	50.0	50		07/27/12 02:27	108-88-3	
Xylene (Total)	**1190**	ug/L	150	50		07/27/12 02:27	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%	80-120	50		07/27/12 02:27	1868-53-7	
Toluene-d8 (S)	102	%	80-120	50		07/27/12 02:27	2037-26-5	
4-Bromofluorobenzene (S)	105	%	80-120	50		07/27/12 02:27	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-120	50		07/27/12 02:27	17060-07-0	
Preservation pH	**1.0**		1.0	50		07/27/12 02:27		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-9-071812 **Lab ID: 60125567005** Collected: 07/18/12 16:55 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**431**	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Total as CaCO3	**431**	mg/L	20.0	1		08/01/12 11:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**617**	mg/L	5.0	1		07/23/12 11:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Bromide	**2.4**	mg/L	1.0	1		07/30/12 17:25	24959-67-9	
Chloride	**64.9**	mg/L	10.0	10		07/31/12 15:57	16887-00-6	
Sulfate	**12.1**	mg/L	1.0	1		07/30/12 17:25	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		07/20/12 12:43		

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-10-071812 **Lab ID: 60125567006** Collected: 07/18/12 15:20 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Calcium	**790000**	ug/L	1000	10	07/24/12 11:30	07/31/12 12:20	7440-70-2	
Magnesium	**170000**	ug/L	50.0	1	07/24/12 11:30	07/30/12 14:36	7439-95-4	
Potassium	**10900**	ug/L	500	1	07/24/12 11:30	07/30/12 14:36	7440-09-7	
Sodium	**749000**	ug/L	5000	10	07/24/12 11:30	07/31/12 12:20	7440-23-5	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C							
TPH-ORO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 11:33		
TPH-DRO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 11:33		
Surrogates								
Nitrobenzene-d5 (S)	96	%	21-189	1	07/24/12 00:00	07/25/12 11:33	4165-60-0	
2-Fluorobiphenyl (S)	82	%	34-180	1	07/24/12 00:00	07/25/12 11:33	321-60-8	
Terphenyl-d14 (S)	96	%	24-168	1	07/24/12 00:00	07/25/12 11:33	1718-51-0	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270C by SIM Preparation Method: EPA 3510C							
Acenaphthene	**0.54**	ug/L	0.10	1	07/24/12 00:00	08/05/12 13:33	83-32-9	
Acenaphthylene	**0.11**	ug/L	0.10	1	07/24/12 00:00	08/05/12 13:33	208-96-8	
Anthracene	**0.35**	ug/L	0.10	1	07/24/12 00:00	08/05/12 13:33	120-12-7	
Benzo(a)anthracene	**0.44**	ug/L	0.10	1	07/24/12 00:00	08/05/12 13:33	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 13:33	50-32-8	
Benzo(b)fluoranthene	**0.18**	ug/L	0.10	1	07/24/12 00:00	08/05/12 13:33	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 13:33	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 13:33	207-08-9	
Chrysene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 13:33	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 13:33	53-70-3	
Fluoranthene	**1.3**	ug/L	0.10	1	07/24/12 00:00	08/05/12 13:33	206-44-0	
Fluorene	**0.81**	ug/L	0.10	1	07/24/12 00:00	08/05/12 13:33	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 13:33	193-39-5	
Naphthalene	**144**	ug/L	0.50	1	07/24/12 00:00	08/05/12 13:33	91-20-3	
Phenanthrene	**1.9**	ug/L	0.50	1	07/24/12 00:00	08/05/12 13:33	85-01-8	
Pyrene	**0.81**	ug/L	0.10	1	07/24/12 00:00	08/05/12 13:33	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	79	%	42-120	50	07/24/12 00:00	08/07/12 21:14	4165-60-0	
2-Fluorobiphenyl (S)	80	%	44-120	50	07/24/12 00:00	08/07/12 21:14	321-60-8	
Terphenyl-d14 (S)	108	%	46-131	50	07/24/12 00:00	08/07/12 21:14	1718-51-0	
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		07/27/12 02:41	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/27/12 02:41	100-41-4	
Toluene	ND	ug/L	1.0	1		07/26/12 05:01	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		07/27/12 02:41	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%	80-120	1		07/26/12 05:01	1868-53-7	
Toluene-d8 (S)	99	%	80-120	1		07/26/12 05:01	2037-26-5	
4-Bromofluorobenzene (S)	100	%	80-120	1		07/26/12 05:01	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	80-120	1		07/26/12 05:01	17060-07-0	
Preservation pH	**1.0**		1.0	1		07/26/12 05:01		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-10-071812 **Lab ID: 60125567006** Collected: 07/18/12 15:20 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**239**	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Total as CaCO3	**239**	mg/L	20.0	1		08/01/12 11:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**6960**	mg/L	5.0	1		07/23/12 11:16		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Bromide	**11.5**	mg/L	1.0	1		07/30/12 17:43	24959-67-9	
Chloride	**2750**	mg/L	500	500		07/31/12 16:14	16887-00-6	
Sulfate	**335**	mg/L	50.0	50		07/31/12 16:31	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	**2.9**	mg/L	0.10	1		07/20/12 11:28		

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-11-071812 **Lab ID: 60125567007** Collected: 07/18/12 15:00 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Calcium	**215000**	ug/L	100	1	07/24/12 11:30	07/30/12 14:42	7440-70-2	
Magnesium	**64200**	ug/L	50.0	1	07/24/12 11:30	07/30/12 14:42	7439-95-4	
Potassium	**3600**	ug/L	500	1	07/24/12 11:30	07/30/12 14:42	7440-09-7	
Sodium	**80600**	ug/L	5000	10	07/24/12 11:30	07/31/12 12:26	7440-23-5	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C							
TPH-ORO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 11:51		
TPH-DRO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 11:51		
Surrogates								
Nitrobenzene-d5 (S)	106	%	21-189	1	07/24/12 00:00	07/25/12 11:51	4165-60-0	
2-Fluorobiphenyl (S)	90	%	34-180	1	07/24/12 00:00	07/25/12 11:51	321-60-8	
Terphenyl-d14 (S)	104	%	24-168	1	07/24/12 00:00	07/25/12 11:51	1718-51-0	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270C by SIM Preparation Method: EPA 3510C							
Acenaphthene	**0.10**	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:08	83-32-9	
Acenaphthylene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:08	208-96-8	
Anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:08	120-12-7	
Benzo(a)anthracene	**0.13**	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:08	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:08	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:08	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:08	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:08	207-08-9	
Chrysene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:08	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:08	53-70-3	
Fluoranthene	**0.24**	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:08	206-44-0	
Fluorene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:08	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:08	193-39-5	
Naphthalene	ND	ug/L	0.50	1	07/24/12 00:00	08/05/12 14:08	91-20-3	
Phenanthrene	ND	ug/L	0.50	1	07/24/12 00:00	08/05/12 14:08	85-01-8	
Pyrene	**0.15**	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:08	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	80	%	42-120	50	07/24/12 00:00	08/07/12 21:31	4165-60-0	IO
2-Fluorobiphenyl (S)	84	%	44-120	50	07/24/12 00:00	08/07/12 21:31	321-60-8	
Terphenyl-d14 (S)	134	%	46-131	50	07/24/12 00:00	08/07/12 21:31	1718-51-0	S4
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		07/27/12 02:56	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/26/12 05:17	100-41-4	
Toluene	ND	ug/L	1.0	1		07/26/12 05:17	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		07/26/12 05:17	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%	80-120	1		07/26/12 05:17	1868-53-7	
Toluene-d8 (S)	99	%	80-120	1		07/26/12 05:17	2037-26-5	
4-Bromofluorobenzene (S)	105	%	80-120	1		07/26/12 05:17	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	80-120	1		07/26/12 05:17	17060-07-0	
Preservation pH	**1.0**		1.0	1		07/26/12 05:17		

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-11-071812 **Lab ID: 60125567007** Collected: 07/18/12 15:00 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**144**	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Total as CaCO3	**144**	mg/L	20.0	1		08/01/12 11:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1780**	mg/L	5.0	1		07/23/12 11:16		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Bromide	**4.1**	mg/L	1.0	1		07/30/12 18:35	24959-67-9	
Chloride	**560**	mg/L	100	100		07/31/12 16:49	16887-00-6	
Sulfate	**55.3**	mg/L	5.0	5		07/31/12 17:06	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	**7.3**	mg/L	0.50	5		07/20/12 12:51		

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-12-071812 **Lab ID: 60125567008** Collected: 07/18/12 14:15 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Calcium	**3420000**	ug/L	2000	20	07/24/12 11:30	07/31/12 12:28	7440-70-2	
Magnesium	**812000**	ug/L	1000	20	07/24/12 11:30	07/31/12 12:28	7439-95-4	
Potassium	**56500**	ug/L	500	1	07/24/12 11:30	07/30/12 14:44	7440-09-7	
Sodium	**11400000**	ug/L	25000	50	07/24/12 11:30	07/31/12 18:08	7440-23-5	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C							
TPH-ORO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 12:10		
TPH-DRO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 12:10		
Surrogates								
Nitrobenzene-d5 (S)	93	%	21-189	1	07/24/12 00:00	07/25/12 12:10	4165-60-0	
2-Fluorobiphenyl (S)	81	%	34-180	1	07/24/12 00:00	07/25/12 12:10	321-60-8	
Terphenyl-d14 (S)	96	%	24-168	1	07/24/12 00:00	07/25/12 12:10	1718-51-0	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270C by SIM Preparation Method: EPA 3510C							
Acenaphthene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:59	83-32-9	
Acenaphthylene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:59	208-96-8	
Anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:59	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:59	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:59	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:59	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:59	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:59	207-08-9	
Chrysene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:59	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:59	53-70-3	
Fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:59	206-44-0	
Fluorene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:59	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:59	193-39-5	
Naphthalene	ND	ug/L	0.50	1	07/24/12 00:00	08/04/12 04:59	91-20-3	
Phenanthrene	ND	ug/L	0.50	1	07/24/12 00:00	08/04/12 04:59	85-01-8	
Pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 04:59	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	80	%	42-120	50	07/24/12 00:00	08/04/12 05:17	4165-60-0	IO
2-Fluorobiphenyl (S)	73	%	44-120	50	07/24/12 00:00	08/04/12 05:17	321-60-8	
Terphenyl-d14 (S)	122	%	46-131	50	07/24/12 00:00	08/04/12 05:17	1718-51-0	
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		07/27/12 03:56	71-43-2	HS
Ethylbenzene	ND	ug/L	1.0	1		07/26/12 05:32	100-41-4	
Toluene	ND	ug/L	1.0	1		07/26/12 05:32	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		07/26/12 05:32	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	106	%	80-120	1		07/26/12 05:32	1868-53-7	HS
Toluene-d8 (S)	103	%	80-120	1		07/26/12 05:32	2037-26-5	
4-Bromofluorobenzene (S)	100	%	80-120	1		07/26/12 05:32	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	80-120	1		07/26/12 05:32	17060-07-0	
Preservation pH	**1.0**		1.0	1		07/26/12 05:32		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-12-071812 **Lab ID: 60125567008** Collected: 07/18/12 14:15 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**122**	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Total as CaCO3	**122**	mg/L	20.0	1		08/01/12 11:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**57200**	mg/L	5.0	1		07/23/12 11:16		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Bromide	**32.6**	mg/L	20.0	20		07/31/12 17:24	24959-67-9	D3
Chloride	**25000**	mg/L	5000	5000		08/01/12 10:44	16887-00-6	
Sulfate	**716**	mg/L	50.0	50		07/31/12 18:16	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	**3.3**	mg/L	0.10	1		07/20/12 11:25		

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-13-071812 **Lab ID: 60125567009** Collected: 07/18/12 13:40 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Calcium	**252000**	ug/L	100	1	07/24/12 11:30	07/30/12 14:47	7440-70-2	
Magnesium	**53400**	ug/L	50.0	1	07/24/12 11:30	07/30/12 14:47	7439-95-4	
Potassium	**6240**	ug/L	500	1	07/24/12 11:30	07/30/12 14:47	7440-09-7	
Sodium	**71500**	ug/L	5000	10	07/24/12 11:30	07/31/12 12:30	7440-23-5	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C							
TPH-ORO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 12:29		
TPH-DRO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 12:29		
Surrogates								
Nitrobenzene-d5 (S)	100	%	21-189	1	07/24/12 00:00	07/25/12 12:29	4165-60-0	
2-Fluorobiphenyl (S)	88	%	34-180	1	07/24/12 00:00	07/25/12 12:29	321-60-8	
Terphenyl-d14 (S)	98	%	24-168	1	07/24/12 00:00	07/25/12 12:29	1718-51-0	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270C by SIM Preparation Method: EPA 3510C							
Acenaphthene	**0.12**	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:42	83-32-9	
Acenaphthylene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:42	208-96-8	
Anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:42	120-12-7	
Benzo(a)anthracene	**0.75**	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:42	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:42	50-32-8	
Benzo(b)fluoranthene	**0.55**	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:42	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:42	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:42	207-08-9	
Chrysene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:42	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:42	53-70-3	
Fluoranthene	**1.1**	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:42	206-44-0	
Fluorene	**0.14**	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:42	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:42	193-39-5	
Naphthalene	**3.7**	ug/L	0.50	1	07/24/12 00:00	08/05/12 14:42	91-20-3	
Phenanthrene	ND	ug/L	0.50	1	07/24/12 00:00	08/05/12 14:42	85-01-8	
Pyrene	**0.55**	ug/L	0.10	1	07/24/12 00:00	08/05/12 14:42	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	77	%	42-120	50	07/24/12 00:00	08/07/12 21:48	4165-60-0	IO
2-Fluorobiphenyl (S)	81	%	44-120	50	07/24/12 00:00	08/07/12 21:48	321-60-8	
Terphenyl-d14 (S)	119	%	46-131	50	07/24/12 00:00	08/07/12 21:48	1718-51-0	
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		07/26/12 05:48	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/26/12 05:48	100-41-4	
Toluene	ND	ug/L	1.0	1		07/26/12 05:48	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		07/26/12 05:48	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%	80-120	1		07/26/12 05:48	1868-53-7	
Toluene-d8 (S)	106	%	80-120	1		07/26/12 05:48	2037-26-5	
4-Bromofluorobenzene (S)	96	%	80-120	1		07/26/12 05:48	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	80-120	1		07/26/12 05:48	17060-07-0	
Preservation pH	**1.0**		1.0	1		07/26/12 05:48		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-13-071812 **Lab ID: 60125567009** Collected: 07/18/12 13:40 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**340**	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Total as CaCO3	**340**	mg/L	20.0	1		08/01/12 11:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1240**	mg/L	5.0	1		07/23/12 11:16		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Bromide	**2.4**	mg/L	1.0	1		07/30/12 19:10	24959-67-9	
Chloride	**230**	mg/L	50.0	50		07/31/12 18:51	16887-00-6	
Sulfate	**239**	mg/L	50.0	50		07/31/12 18:51	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	**15.2**	mg/L	0.50	5		07/20/12 12:49		

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-14-071812 **Lab ID: 60125567010** Collected: 07/18/12 17:00 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Calcium	**455000**	ug/L	100	1	07/24/12 11:30	07/30/12 14:49	7440-70-2	
Magnesium	**137000**	ug/L	50.0	1	07/24/12 11:30	07/30/12 14:49	7439-95-4	
Potassium	**8790**	ug/L	500	1	07/24/12 11:30	07/30/12 14:49	7440-09-7	
Sodium	**49800**	ug/L	5000	10	07/24/12 11:30	07/31/12 12:32	7440-23-5	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C							
TPH-ORO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 12:48		
TPH-DRO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 12:48		
Surrogates								
Nitrobenzene-d5 (S)	99	%	21-189	1	07/24/12 00:00	07/25/12 12:48	4165-60-0	
2-Fluorobiphenyl (S)	86	%	34-180	1	07/24/12 00:00	07/25/12 12:48	321-60-8	
Terphenyl-d14 (S)	100	%	24-168	1	07/24/12 00:00	07/25/12 12:48	1718-51-0	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270C by SIM Preparation Method: EPA 3510C							
Acenaphthene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:16	83-32-9	
Acenaphthylene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:16	208-96-8	
Anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:16	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:16	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:16	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:16	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:16	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:16	207-08-9	
Chrysene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:16	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:16	53-70-3	
Fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:16	206-44-0	
Fluorene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:16	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:16	193-39-5	
Naphthalene	ND	ug/L	0.50	1	07/24/12 00:00	08/05/12 15:16	91-20-3	
Phenanthrene	ND	ug/L	0.50	1	07/24/12 00:00	08/05/12 15:16	85-01-8	
Pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:16	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	59	%	42-120	50	07/24/12 00:00	08/06/12 16:30	4165-60-0	IO
2-Fluorobiphenyl (S)	72	%	44-120	50	07/24/12 00:00	08/06/12 16:30	321-60-8	
Terphenyl-d14 (S)	111	%	46-131	50	07/24/12 00:00	08/06/12 16:30	1718-51-0	
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		07/26/12 06:04	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/26/12 06:04	100-41-4	
Toluene	ND	ug/L	1.0	1		07/26/12 06:04	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		07/26/12 06:04	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%	80-120	1		07/26/12 06:04	1868-53-7	
Toluene-d8 (S)	102	%	80-120	1		07/26/12 06:04	2037-26-5	
4-Bromofluorobenzene (S)	98	%	80-120	1		07/26/12 06:04	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	80-120	1		07/26/12 06:04	17060-07-0	
Preservation pH	**1.0**		1.0	1		07/26/12 06:04		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-14-071812 **Lab ID: 60125567010** Collected: 07/18/12 17:00 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**314**	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Total as CaCO3	**314**	mg/L	20.0	1		08/01/12 11:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**2430**	mg/L	5.0	1		07/23/12 11:16		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Bromide	**1.1**	mg/L	1.0	1		07/30/12 19:27	24959-67-9	
Chloride	**382**	mg/L	50.0	50		07/31/12 19:08	16887-00-6	
Sulfate	**812**	mg/L	50.0	50		07/31/12 19:08	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	**16.0**	mg/L	0.50	5		07/20/12 12:52		

Pace Analytical
www.pacelabs.com

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-15-071812 **Lab ID: 60125567011** Collected: 07/18/12 13:00 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Calcium	**91000**	ug/L	100	1	07/24/12 11:30	07/30/12 14:51	7440-70-2	
Magnesium	**34800**	ug/L	50.0	1	07/24/12 11:30	07/30/12 14:51	7439-95-4	
Potassium	**3140**	ug/L	500	1	07/24/12 11:30	07/30/12 14:51	7440-09-7	
Sodium	**55600**	ug/L	5000	10	07/24/12 11:30	07/31/12 12:35	7440-23-5	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C							
TPH-ORO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 13:07		
TPH-DRO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 13:07		
Surrogates								
Nitrobenzene-d5 (S)	102	%	21-189	1	07/24/12 00:00	07/25/12 13:07	4165-60-0	
2-Fluorobiphenyl (S)	88	%	34-180	1	07/24/12 00:00	07/25/12 13:07	321-60-8	
Terphenyl-d14 (S)	108	%	24-168	1	07/24/12 00:00	07/25/12 13:07	1718-51-0	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270C by SIM Preparation Method: EPA 3510C							
Acenaphthene	**1.5**	ug/L	0.10	1	07/24/12 00:00	08/04/12 05:34	83-32-9	
Acenaphthylene	**0.21**	ug/L	0.10	1	07/24/12 00:00	08/04/12 05:34	208-96-8	
Anthracene	**0.35**	ug/L	0.10	1	07/24/12 00:00	08/04/12 05:34	120-12-7	
Benzo(a)anthracene	**0.19**	ug/L	0.10	1	07/24/12 00:00	08/04/12 05:34	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 05:34	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 05:34	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 05:34	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 05:34	207-08-9	
Chrysene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 05:34	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 05:34	53-70-3	
Fluoranthene	**0.65**	ug/L	0.10	1	07/24/12 00:00	08/04/12 05:34	206-44-0	
Fluorene	**1.5**	ug/L	0.10	1	07/24/12 00:00	08/04/12 05:34	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 05:34	193-39-5	
Naphthalene	**21.3**	ug/L	0.50	1	07/24/12 00:00	08/04/12 05:34	91-20-3	
Phenanthrene	**2.2**	ug/L	0.50	1	07/24/12 00:00	08/04/12 05:34	85-01-8	
Pyrene	**0.35**	ug/L	0.10	1	07/24/12 00:00	08/04/12 05:34	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	87	%	42-120	50	07/24/12 00:00	08/04/12 05:51	4165-60-0	IO
2-Fluorobiphenyl (S)	80	%	44-120	50	07/24/12 00:00	08/04/12 05:51	321-60-8	
Terphenyl-d14 (S)	127	%	46-131	50	07/24/12 00:00	08/04/12 05:51	1718-51-0	
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		07/26/12 06:19	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/26/12 06:19	100-41-4	
Toluene	ND	ug/L	1.0	1		07/26/12 06:19	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		07/26/12 06:19	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	108	%	80-120	1		07/26/12 06:19	1868-53-7	HS
Toluene-d8 (S)	98	%	80-120	1		07/26/12 06:19	2037-26-5	
4-Bromofluorobenzene (S)	103	%	80-120	1		07/26/12 06:19	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	80-120	1		07/26/12 06:19	17060-07-0	
Preservation pH	**1.0**		1.0	1		07/26/12 06:19		

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-15-071812 **Lab ID: 60125567011** Collected: 07/18/12 13:00 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**258**	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Total as CaCO3	**258**	mg/L	20.0	1		08/01/12 11:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**601**	mg/L	5.0	1		07/23/12 11:17		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Bromide	**2.4**	mg/L	1.0	1		07/30/12 19:45	24959-67-9	
Chloride	**110**	mg/L	10.0	10		07/31/12 19:43	16887-00-6	
Sulfate	**52.7**	mg/L	5.0	5		07/31/12 20:00	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		07/20/12 11:22		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-16-071812 **Lab ID: 60125567012** Collected: 07/18/12 12:45 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Calcium	**160000**	ug/L	100	1	07/24/12 11:30	07/30/12 14:53	7440-70-2	
Magnesium	**45800**	ug/L	50.0	1	07/24/12 11:30	07/30/12 14:53	7439-95-4	
Potassium	**2780**	ug/L	500	1	07/24/12 11:30	07/30/12 14:53	7440-09-7	
Sodium	**51700**	ug/L	5000	10	07/24/12 11:30	07/31/12 12:37	7440-23-5	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C							
TPH-ORO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 13:26		
TPH-DRO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 13:26		
Surrogates								
Nitrobenzene-d5 (S)	99	%	21-189	1	07/24/12 00:00	07/25/12 13:26	4165-60-0	
2-Fluorobiphenyl (S)	83	%	34-180	1	07/24/12 00:00	07/25/12 13:26	321-60-8	
Terphenyl-d14 (S)	99	%	24-168	1	07/24/12 00:00	07/25/12 13:26	1718-51-0	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270C by SIM Preparation Method: EPA 3510C							
Acenaphthene	**0.25**	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:08	83-32-9	
Acenaphthylene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:08	208-96-8	
Anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:08	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:08	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:08	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:08	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:08	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:08	207-08-9	
Chrysene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:08	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:08	53-70-3	
Fluoranthene	**0.10**	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:08	206-44-0	
Fluorene	**0.21**	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:08	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:08	193-39-5	
Naphthalene	**98.8**	ug/L	0.50	1	07/24/12 00:00	08/04/12 06:08	91-20-3	
Phenanthrene	ND	ug/L	0.50	1	07/24/12 00:00	08/04/12 06:08	85-01-8	
Pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:08	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	87	%	42-120	50	07/24/12 00:00	08/04/12 06:25	4165-60-0	
2-Fluorobiphenyl (S)	77	%	44-120	50	07/24/12 00:00	08/04/12 06:25	321-60-8	
Terphenyl-d14 (S)	118	%	46-131	50	07/24/12 00:00	08/04/12 06:25	1718-51-0	
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		07/26/12 06:35	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/26/12 06:35	100-41-4	
Toluene	ND	ug/L	1.0	1		07/26/12 06:35	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		07/26/12 06:35	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%	80-120	1		07/26/12 06:35	1868-53-7	
Toluene-d8 (S)	99	%	80-120	1		07/26/12 06:35	2037-26-5	
4-Bromofluorobenzene (S)	97	%	80-120	1		07/26/12 06:35	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	80-120	1		07/26/12 06:35	17060-07-0	
Preservation pH	**1.0**		1.0	1		07/26/12 06:35		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-16-071812 **Lab ID: 60125567012** Collected: 07/18/12 12:45 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**336**	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Total as CaCO3	**336**	mg/L	20.0	1		08/01/12 11:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**801**	mg/L	5.0	1		07/23/12 11:17		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Bromide	**3.3**	mg/L	1.0	1		07/30/12 20:02	24959-67-9	
Chloride	**199**	mg/L	20.0	20		07/31/12 20:18	16887-00-6	
Sulfate	**54.4**	mg/L	5.0	5		07/31/12 20:35	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		07/20/12 11:19		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-17-071812 **Lab ID: 60125567013** Collected: 07/18/12 12:15 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Calcium	**344000**	ug/L	100	1	07/24/12 11:30	07/30/12 14:55	7440-70-2	
Magnesium	**68000**	ug/L	50.0	1	07/24/12 11:30	07/30/12 14:55	7439-95-4	
Potassium	**10300**	ug/L	500	1	07/24/12 11:30	07/30/12 14:55	7440-09-7	
Sodium	**238000**	ug/L	5000	10	07/24/12 11:30	07/31/12 12:39	7440-23-5	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C							
TPH-ORO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 13:45		
TPH-DRO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 13:45		
Surrogates								
Nitrobenzene-d5 (S)	98	%	21-189	1	07/24/12 00:00	07/25/12 13:45	4165-60-0	
2-Fluorobiphenyl (S)	83	%	34-180	1	07/24/12 00:00	07/25/12 13:45	321-60-8	
Terphenyl-d14 (S)	99	%	24-168	1	07/24/12 00:00	07/25/12 13:45	1718-51-0	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270C by SIM Preparation Method: EPA 3510C							
Acenaphthene	**0.26**	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:42	83-32-9	
Acenaphthylene	**0.16**	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:42	208-96-8	
Anthracene	**0.45**	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:42	120-12-7	
Benzo(a)anthracene	**1.4**	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:42	56-55-3	
Benzo(a)pyrene	**1.5**	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:42	50-32-8	
Benzo(b)fluoranthene	**11.5**	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:42	205-99-2	
Benzo(g,h,i)perylene	**4.2**	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:42	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:42	207-08-9	
Chrysene	**3.4**	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:42	218-01-9	
Dibenz(a,h)anthracene	**0.95**	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:42	53-70-3	
Fluoranthene	**7.6**	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:42	206-44-0	
Fluorene	**0.68**	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:42	86-73-7	
Indeno(1,2,3-cd)pyrene	**3.5**	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:42	193-39-5	
Naphthalene	**210**	ug/L	25.0	50	07/24/12 00:00	08/04/12 06:59	91-20-3	
Phenanthrene	**2.0**	ug/L	0.50	1	07/24/12 00:00	08/04/12 06:42	85-01-8	
Pyrene	**4.0**	ug/L	0.10	1	07/24/12 00:00	08/04/12 06:42	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	84	%	42-120	50	07/24/12 00:00	08/04/12 06:59	4165-60-0	
2-Fluorobiphenyl (S)	74	%	44-120	50	07/24/12 00:00	08/04/12 06:59	321-60-8	
Terphenyl-d14 (S)	92	%	46-131	50	07/24/12 00:00	08/04/12 06:59	1718-51-0	
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		07/26/12 06:51	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/26/12 06:51	100-41-4	
Toluene	ND	ug/L	1.0	1		07/26/12 06:51	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		07/26/12 06:51	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%	80-120	1		07/26/12 06:51	1868-53-7	
Toluene-d8 (S)	99	%	80-120	1		07/26/12 06:51	2037-26-5	
4-Bromofluorobenzene (S)	98	%	80-120	1		07/26/12 06:51	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	80-120	1		07/26/12 06:51	17060-07-0	
Preservation pH	**1.0**		1.0	1		07/26/12 06:51		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-17-071812 **Lab ID: 60125567013** Collected: 07/18/12 12:15 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**289**	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Total as CaCO3	**289**	mg/L	20.0	1		08/01/12 11:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1960**	mg/L	5.0	1		07/23/12 11:17		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Bromide	**2.8**	mg/L	1.0	1		07/30/12 15:58	24959-67-9	
Chloride	**637**	mg/L	50.0	50		07/31/12 20:52	16887-00-6	
Sulfate	**262**	mg/L	50.0	50		07/31/12 20:52	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		07/20/12 11:17		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-18-071812 **Lab ID: 60125567014** Collected: 07/18/12 12:00 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Calcium	**2300000**	ug/L	5000	50	07/24/12 11:30	07/31/12 12:41	7440-70-2	
Magnesium	**714000**	ug/L	2500	50	07/24/12 11:30	07/31/12 12:41	7439-95-4	
Potassium	**39100**	ug/L	500	1	07/24/12 11:30	07/30/12 14:57	7440-09-7	
Sodium	**3320000**	ug/L	25000	50	07/24/12 11:30	07/31/12 12:41	7440-23-5	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C							
TPH-ORO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 14:04		
TPH-DRO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 14:04		
Surrogates								
Nitrobenzene-d5 (S)	98	%	21-189	1	07/24/12 00:00	07/25/12 14:04	4165-60-0	
2-Fluorobiphenyl (S)	85	%	34-180	1	07/24/12 00:00	07/25/12 14:04	321-60-8	
Terphenyl-d14 (S)	97	%	24-168	1	07/24/12 00:00	07/25/12 14:04	1718-51-0	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270C by SIM Preparation Method: EPA 3510C							
Acenaphthene	**0.36**	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:17	83-32-9	
Acenaphthylene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:17	208-96-8	
Anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:17	120-12-7	
Benzo(a)anthracene	**0.12**	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:17	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:17	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:17	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:17	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:17	207-08-9	
Chrysene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:17	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:17	53-70-3	
Fluoranthene	**0.13**	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:17	206-44-0	
Fluorene	**0.33**	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:17	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:17	193-39-5	
Naphthalene	**6.5**	ug/L	0.50	1	07/24/12 00:00	08/04/12 07:17	91-20-3	
Phenanthrene	ND	ug/L	0.50	1	07/24/12 00:00	08/04/12 07:17	85-01-8	
Pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/04/12 07:17	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	94	%	42-120	50	07/24/12 00:00	08/04/12 07:34	4165-60-0	
2-Fluorobiphenyl (S)	83	%	44-120	50	07/24/12 00:00	08/04/12 07:34	321-60-8	
Terphenyl-d14 (S)	116	%	46-131	50	07/24/12 00:00	08/04/12 07:34	1718-51-0	
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		07/26/12 07:07	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/26/12 07:07	100-41-4	
Toluene	ND	ug/L	1.0	1		07/26/12 07:07	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		07/26/12 07:07	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%	80-120	1		07/26/12 07:07	1868-53-7	HS
Toluene-d8 (S)	102	%	80-120	1		07/26/12 07:07	2037-26-5	
4-Bromofluorobenzene (S)	98	%	80-120	1		07/26/12 07:07	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	80-120	1		07/26/12 07:07	17060-07-0	
Preservation pH	**1.0**		1.0	1		07/26/12 07:07		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-18-071812 **Lab ID: 60125567014** Collected: 07/18/12 12:00 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**393**	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Total as CaCO3	**393**	mg/L	20.0	1		08/01/12 11:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**27300**	mg/L	5.0	1		07/23/12 11:17		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Bromide	ND	mg/L	100	100		08/01/12 14:30	24959-67-9	D3
Chloride	**10100**	mg/L	2000	2000		08/01/12 14:13	16887-00-6	
Sulfate	**672**	mg/L	100	100		08/01/12 14:30	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	**3.8**	mg/L	0.10	1		07/20/12 11:16		

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-19-071812 **Lab ID: 60125567015** Collected: 07/18/12 13:50 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Calcium	**422000**	ug/L	100	1	07/24/12 11:30	07/30/12 15:00	7440-70-2	
Magnesium	**50300**	ug/L	50.0	1	07/24/12 11:30	07/30/12 15:00	7439-95-4	
Potassium	**8670**	ug/L	500	1	07/24/12 11:30	07/30/12 15:00	7440-09-7	
Sodium	**49400**	ug/L	5000	10	07/24/12 11:30	07/31/12 12:43	7440-23-5	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C							
TPH-ORO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 14:23		
TPH-DRO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 14:23		
Surrogates								
Nitrobenzene-d5 (S)	100	%	21-189	1	07/24/12 00:00	07/25/12 14:23	4165-60-0	
2-Fluorobiphenyl (S)	84	%	34-180	1	07/24/12 00:00	07/25/12 14:23	321-60-8	
Terphenyl-d14 (S)	96	%	24-168	1	07/24/12 00:00	07/25/12 14:23	1718-51-0	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270C by SIM Preparation Method: EPA 3510C							
Acenaphthene	**0.66**	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:50	83-32-9	
Acenaphthylene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:50	208-96-8	
Anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:50	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:50	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:50	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:50	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:50	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:50	207-08-9	
Chrysene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:50	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:50	53-70-3	
Fluoranthene	**0.26**	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:50	206-44-0	
Fluorene	**0.51**	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:50	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:50	193-39-5	
Naphthalene	**42.9**	ug/L	0.50	1	07/24/12 00:00	08/05/12 15:50	91-20-3	
Phenanthrene	**0.64**	ug/L	0.50	1	07/24/12 00:00	08/05/12 15:50	85-01-8	
Pyrene	**0.12**	ug/L	0.10	1	07/24/12 00:00	08/05/12 15:50	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	73	%	42-120	50	07/24/12 00:00	08/06/12 16:47	4165-60-0	IO
2-Fluorobiphenyl (S)	86	%	44-120	50	07/24/12 00:00	08/06/12 16:47	321-60-8	
Terphenyl-d14 (S)	118	%	46-131	50	07/24/12 00:00	08/06/12 16:47	1718-51-0	
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		07/26/12 07:22	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/26/12 07:22	100-41-4	
Toluene	ND	ug/L	1.0	1		07/26/12 07:22	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		07/26/12 07:22	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	92	%	80-120	1		07/26/12 07:22	1868-53-7	HS
Toluene-d8 (S)	100	%	80-120	1		07/26/12 07:22	2037-26-5	
4-Bromofluorobenzene (S)	101	%	80-120	1		07/26/12 07:22	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	80-120	1		07/26/12 07:22	17060-07-0	
Preservation pH	**1.0**		1.0	1		07/26/12 07:22		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-19-071812 **Lab ID: 60125567015** Collected: 07/18/12 13:50 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**635**	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Carbonate (CaCO3)	**ND**	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Total as CaCO3	**635**	mg/L	20.0	1		08/01/12 11:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**585**	mg/L	5.0	1		07/23/12 11:18		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Bromide	**1.4**	mg/L	1.0	1		07/30/12 17:43	24959-67-9	
Chloride	**113**	mg/L	10.0	10		07/31/12 22:54	16887-00-6	
Sulfate	**27.8**	mg/L	2.0	2		07/31/12 23:12	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	**2.6**	mg/L	0.10	1		07/20/12 11:24		

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-20-071812 **Lab ID: 60125567016** Collected: 07/18/12 11:40 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Calcium	**2240000**	ug/L	5000	50	07/24/12 11:30	07/31/12 12:45	7440-70-2	
Magnesium	**654000**	ug/L	2500	50	07/24/12 11:30	07/31/12 12:45	7439-95-4	
Potassium	**39600**	ug/L	500	1	07/24/12 11:30	07/30/12 15:02	7440-09-7	
Sodium	**1070000**	ug/L	25000	50	07/24/12 11:30	07/31/12 12:45	7440-23-5	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C							
TPH-ORO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 14:42		
TPH-DRO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 14:42		
Surrogates								
Nitrobenzene-d5 (S)	104	%	21-189	1	07/24/12 00:00	07/25/12 14:42	4165-60-0	
2-Fluorobiphenyl (S)	88	%	34-180	1	07/24/12 00:00	07/25/12 14:42	321-60-8	
Terphenyl-d14 (S)	98	%	24-168	1	07/24/12 00:00	07/25/12 14:42	1718-51-0	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270C by SIM Preparation Method: EPA 3510C							
Acenaphthene	**0.46**	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:24	83-32-9	
Acenaphthylene	**0.11**	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:24	208-96-8	
Anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:24	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:24	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:24	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:24	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:24	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:24	207-08-9	
Chrysene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:24	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:24	53-70-3	
Fluoranthene	**0.15**	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:24	206-44-0	
Fluorene	**0.43**	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:24	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:24	193-39-5	
Naphthalene	**6.7**	ug/L	0.50	1	07/24/12 00:00	08/05/12 16:24	91-20-3	
Phenanthrene	**0.56**	ug/L	0.50	1	07/24/12 00:00	08/05/12 16:24	85-01-8	
Pyrene	**0.14**	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:24	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	78	%	42-120	50	07/24/12 00:00	08/05/12 16:41	4165-60-0	
2-Fluorobiphenyl (S)	75	%	44-120	50	07/24/12 00:00	08/05/12 16:41	321-60-8	
Terphenyl-d14 (S)	98	%	46-131	50	07/24/12 00:00	08/05/12 16:41	1718-51-0	
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		07/26/12 07:38	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/26/12 07:38	100-41-4	
Toluene	ND	ug/L	1.0	1		07/26/12 07:38	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		07/26/12 07:38	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%	80-120	1		07/26/12 07:38	1868-53-7	HS
Toluene-d8 (S)	100	%	80-120	1		07/26/12 07:38	2037-26-5	
4-Bromofluorobenzene (S)	102	%	80-120	1		07/26/12 07:38	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	80-120	1		07/26/12 07:38	17060-07-0	
Preservation pH	**7.0**		1.0	1		07/26/12 07:38		pH

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: MW-20-071812 **Lab ID: 60125567016** Collected: 07/18/12 11:40 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**1820**	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Total as CaCO3	**1820**	mg/L	20.0	1		08/01/12 11:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**14000**	mg/L	5.0	1		07/23/12 11:18		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Bromide	**13.6**	mg/L	1.0	1		07/30/12 18:00	24959-67-9	
Chloride	ND	mg/L	1.0	1		07/30/12 18:00	16887-00-6	
Sulfate	**508**	mg/L	100	100		08/01/12 15:05	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	**4.3**	mg/L	0.20	2		07/20/12 11:38		

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: EW-1-071812 **Lab ID: 60125567017** Collected: 07/18/12 14:20 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Calcium	**2450000**	ug/L	5000	50	07/24/12 11:30	07/31/12 12:52	7440-70-2	
Magnesium	**748000**	ug/L	2500	50	07/24/12 11:30	07/31/12 12:52	7439-95-4	
Potassium	**67600**	ug/L	500	1	07/24/12 11:30	07/30/12 15:09	7440-09-7	
Sodium	**13000000**	ug/L	25000	50	07/24/12 11:30	07/31/12 12:52	7440-23-5	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C							
TPH-ORO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 15:01		
TPH-DRO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 15:01		
Surrogates								
Nitrobenzene-d5 (S)	102	%	21-189	1	07/24/12 00:00	07/25/12 15:01	4165-60-0	
2-Fluorobiphenyl (S)	87	%	34-180	1	07/24/12 00:00	07/25/12 15:01	321-60-8	
Terphenyl-d14 (S)	104	%	24-168	1	07/24/12 00:00	07/25/12 15:01	1718-51-0	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270C by SIM Preparation Method: EPA 3510C							
Acenaphthene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:58	83-32-9	
Acenaphthylene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:58	208-96-8	
Anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:58	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:58	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:58	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:58	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:58	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:58	207-08-9	
Chrysene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:58	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:58	53-70-3	
Fluoranthene	**0.12**	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:58	206-44-0	
Fluorene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:58	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:58	193-39-5	
Naphthalene	ND	ug/L	0.50	1	07/24/12 00:00	08/05/12 16:58	91-20-3	
Phenanthrene	ND	ug/L	0.50	1	07/24/12 00:00	08/05/12 16:58	85-01-8	
Pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 16:58	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	70	%	42-120	50	07/24/12 00:00	08/06/12 17:04	4165-60-0	IO
2-Fluorobiphenyl (S)	86	%	44-120	50	07/24/12 00:00	08/06/12 17:04	321-60-8	
Terphenyl-d14 (S)	135	%	46-131	50	07/24/12 00:00	08/06/12 17:04	1718-51-0	S4
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		07/26/12 07:54	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/26/12 07:54	100-41-4	
Toluene	ND	ug/L	1.0	1		07/26/12 07:54	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		07/26/12 07:54	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	105	%	80-120	1		07/26/12 07:54	1868-53-7	
Toluene-d8 (S)	98	%	80-120	1		07/26/12 07:54	2037-26-5	
4-Bromofluorobenzene (S)	99	%	80-120	1		07/26/12 07:54	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	80-120	1		07/26/12 07:54	17060-07-0	
Preservation pH	**1.0**		1.0	1		07/26/12 07:54		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: EW-1-071812 **Lab ID: 60125567017** Collected: 07/18/12 14:20 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**108**	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Total as CaCO3	**108**	mg/L	20.0	1		08/01/12 11:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**59600**	mg/L	5.0	1		07/23/12 11:18		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Bromide	**38.0**	mg/L	20.0	20		08/01/12 00:04	24959-67-9	
Chloride	**26500**	mg/L	2000	2000		08/01/12 01:14	16887-00-6	
Sulfate	**746**	mg/L	50.0	50		08/01/12 00:21	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	**6.1**	mg/L	0.20	2		07/20/12 12:50		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: WW-071812 **Lab ID: 60125567018** Collected: 07/18/12 18:00 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Calcium	**112000**	ug/L	100	1	07/24/12 11:30	07/30/12 15:11	7440-70-2	M1
Magnesium	**60700**	ug/L	50.0	1	07/24/12 11:30	07/30/12 15:11	7439-95-4	
Potassium	**5740**	ug/L	500	1	07/24/12 11:30	07/30/12 15:11	7440-09-7	
Sodium	**171000**	ug/L	5000	10	07/24/12 11:30	07/31/12 12:54	7440-23-5	M6
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C							
TPH-ORO	ND	mg/L	1.0	1	07/24/12 00:00	07/25/12 15:20		
TPH-DRO	**1.7**	mg/L	1.0	1	07/24/12 00:00	07/25/12 15:20		
Surrogates								
Nitrobenzene-d5 (S)	100	%	21-189	1	07/24/12 00:00	07/25/12 15:20	4165-60-0	
2-Fluorobiphenyl (S)	84	%	34-180	1	07/24/12 00:00	07/25/12 15:20	321-60-8	
Terphenyl-d14 (S)	104	%	24-168	1	07/24/12 00:00	07/25/12 15:20	1718-51-0	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270C by SIM Preparation Method: EPA 3510C							
Acenaphthene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 17:33	83-32-9	
Acenaphthylene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 17:33	208-96-8	
Anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 17:33	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 17:33	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 17:33	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 17:33	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 17:33	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 17:33	207-08-9	
Chrysene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 17:33	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 17:33	53-70-3	
Fluoranthene	**0.17**	ug/L	0.10	1	07/24/12 00:00	08/05/12 17:33	206-44-0	
Fluorene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 17:33	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 17:33	193-39-5	
Naphthalene	ND	ug/L	0.50	1	07/24/12 00:00	08/05/12 17:33	91-20-3	
Phenanthrene	ND	ug/L	0.50	1	07/24/12 00:00	08/05/12 17:33	85-01-8	
Pyrene	ND	ug/L	0.10	1	07/24/12 00:00	08/05/12 17:33	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	69	%	42-120	50	07/24/12 00:00	08/06/12 17:21	4165-60-0	IO
2-Fluorobiphenyl (S)	86	%	44-120	50	07/24/12 00:00	08/06/12 17:21	321-60-8	
Terphenyl-d14 (S)	122	%	46-131	50	07/24/12 00:00	08/06/12 17:21	1718-51-0	
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		07/26/12 08:09	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/26/12 08:09	100-41-4	
Toluene	ND	ug/L	1.0	1		07/26/12 08:09	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		07/26/12 08:09	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%	80-120	1		07/26/12 08:09	1868-53-7	HS
Toluene-d8 (S)	106	%	80-120	1		07/26/12 08:09	2037-26-5	
4-Bromofluorobenzene (S)	100	%	80-120	1		07/26/12 08:09	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	80-120	1		07/26/12 08:09	17060-07-0	
Preservation pH	**1.0**		1.0	1		07/26/12 08:09		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: WW-071812 **Lab ID: 60125567018** Collected: 07/18/12 18:00 Received: 07/20/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity,Bicarbonate (CaCO3)	**141**	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	20.0	1		08/01/12 11:30		
Alkalinity, Total as CaCO3	**141**	mg/L	20.0	1		08/01/12 11:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**1250**	mg/L	5.0	1		07/23/12 11:18		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Bromide	**3.0**	mg/L	1.0	1		07/30/12 18:35	24959-67-9	
Chloride	**451**	mg/L	50.0	50		08/01/12 01:31	16887-00-6	
Sulfate	**139**	mg/L	20.0	20		08/01/12 01:48	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		07/20/12 12:45		

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

ANALYTICAL RESULTS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Sample: TRIPS **Lab ID: 60125567019** Collected: 07/18/12 00:00 Received: 07/20/12 08:30 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		07/26/12 08:25	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/26/12 08:25	100-41-4	
Toluene	ND	ug/L	1.0	1		07/26/12 08:25	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		07/26/12 08:25	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%	80-120	1		07/26/12 08:25	1868-53-7	
Toluene-d8 (S)	104	%	80-120	1		07/26/12 08:25	2037-26-5	
4-Bromofluorobenzene (S)	91	%	80-120	1		07/26/12 08:25	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	80-120	1		07/26/12 08:25	17060-07-0	
Preservation pH	**1.0**		1.0	1		07/26/12 08:25		

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

QUALITY CONTROL DATA

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

QC Batch: MPRP/18823 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 60125567001, 60125567002, 60125567003, 60125567004, 60125567005, 60125567006, 60125567007, 60125567008, 60125567009, 60125567010, 60125567011, 60125567012, 60125567013, 60125567014, 60125567015, 60125567016, 60125567017, 60125567018

METHOD BLANK: 1033785 Matrix: Water
Associated Lab Samples: 60125567001, 60125567002, 60125567003, 60125567004, 60125567005, 60125567006, 60125567007, 60125567008, 60125567009, 60125567010, 60125567011, 60125567012, 60125567013, 60125567014, 60125567015, 60125567016, 60125567017, 60125567018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Calcium	ug/L	ND	100	07/30/12 14:17	
Magnesium	ug/L	ND	50.0	07/30/12 14:17	
Potassium	ug/L	ND	500	07/30/12 14:17	
Sodium	ug/L	ND	500	07/31/12 12:00	

LABORATORY CONTROL SAMPLE: 1033786

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	10000	9380	94	80-120	
Magnesium	ug/L	10000	9520	95	80-120	
Potassium	ug/L	10000	9420	94	80-120	
Sodium	ug/L	10000	9420	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033787 1033788

Parameter	Units	60125567018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	ug/L	112000	10000	10000	117000	119000	45	66	75-125	2	20	M1
Magnesium	ug/L	60700	10000	10000	68700	69800	80	92	75-125	2	20	
Potassium	ug/L	5740	10000	10000	15800	15900	100	102	75-125	1	20	
Sodium	ug/L	171000	10000	10000	178000	182000	73	106	75-125	2	20	M6

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

QUALITY CONTROL DATA

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

QC Batch: MSV/47280 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60125567001, 60125567002, 60125567003, 60125567006, 60125567007, 60125567008, 60125567009, 60125567010, 60125567011, 60125567012, 60125567013, 60125567014, 60125567015, 60125567016, 60125567017, 60125567018, 60125567019

METHOD BLANK: 1034721 Matrix: Water
Associated Lab Samples: 60125567001, 60125567002, 60125567003, 60125567006, 60125567007, 60125567008, 60125567009, 60125567010, 60125567011, 60125567012, 60125567013, 60125567014, 60125567015, 60125567016, 60125567017, 60125567018, 60125567019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	07/26/12 03:27	
Ethylbenzene	ug/L	ND	1.0	07/26/12 03:27	
Toluene	ug/L	ND	1.0	07/26/12 03:27	
Xylene (Total)	ug/L	ND	3.0	07/26/12 03:27	
1,2-Dichloroethane-d4 (S)	%	105	80-120	07/26/12 03:27	
4-Bromofluorobenzene (S)	%	95	80-120	07/26/12 03:27	
Dibromofluoromethane (S)	%	99	80-120	07/26/12 03:27	
Toluene-d8 (S)	%	101	80-120	07/26/12 03:27	

LABORATORY CONTROL SAMPLE: 1034722

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.1	95	74-123	
Ethylbenzene	ug/L	20	20.0	100	76-123	
Toluene	ug/L	20	19.2	96	75-123	
Xylene (Total)	ug/L	60	59.8	100	76-123	
1,2-Dichloroethane-d4 (S)	%			105	80-120	
4-Bromofluorobenzene (S)	%			96	80-120	
Dibromofluoromethane (S)	%			101	80-120	
Toluene-d8 (S)	%			105	80-120	

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

QUALITY CONTROL DATA

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

QC Batch: MSV/47316 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60125567002, 60125567003, 60125567004, 60125567005, 60125567006, 60125567007

METHOD BLANK: 1035320 Matrix: Water
Associated Lab Samples: 60125567002, 60125567003, 60125567004, 60125567005, 60125567006, 60125567007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	07/26/12 21:59	
Ethylbenzene	ug/L	ND	1.0	07/26/12 21:59	
Toluene	ug/L	ND	1.0	07/26/12 21:59	
Xylene (Total)	ug/L	ND	3.0	07/26/12 21:59	
1,2-Dichloroethane-d4 (S)	%	96	80-120	07/26/12 21:59	
4-Bromofluorobenzene (S)	%	101	80-120	07/26/12 21:59	
Dibromofluoromethane (S)	%	104	80-120	07/26/12 21:59	
Toluene-d8 (S)	%	105	80-120	07/26/12 21:59	

LABORATORY CONTROL SAMPLE: 1035321

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	18.8	94	74-123	
Ethylbenzene	ug/L	20	19.0	95	76-123	
Toluene	ug/L	20	18.4	92	75-123	
Xylene (Total)	ug/L	60	56.2	94	76-123	
1,2-Dichloroethane-d4 (S)	%			99	80-120	
4-Bromofluorobenzene (S)	%			102	80-120	
Dibromofluoromethane (S)	%			98	80-120	
Toluene-d8 (S)	%			102	80-120	

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

QUALITY CONTROL DATA

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

QC Batch: MSV/47317
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60125567008

METHOD BLANK: 1035322 Matrix: Water
Associated Lab Samples: 60125567008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	07/27/12 03:41	
1,2-Dichloroethane-d4 (S)	%	98	80-120	07/27/12 03:41	
4-Bromofluorobenzene (S)	%	105	80-120	07/27/12 03:41	
Dibromofluoromethane (S)	%	103	80-120	07/27/12 03:41	
Toluene-d8 (S)	%	104	80-120	07/27/12 03:41	

LABORATORY CONTROL SAMPLE: 1035323

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	20.2	101	74-123	
1,2-Dichloroethane-d4 (S)	%			98	80-120	
4-Bromofluorobenzene (S)	%			105	80-120	
Dibromofluoromethane (S)	%			103	80-120	
Toluene-d8 (S)	%			104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1035324 1035325

Parameter	Units	60125625003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	2350	2000	2000	3240	3270	45	46	40-155	1	45	
1,2-Dichloroethane-d4 (S)	%						95	98	80-120			
4-Bromofluorobenzene (S)	%						103	105	80-120			
Dibromofluoromethane (S)	%						102	104	80-120			
Toluene-d8 (S)	%						99	102	80-120			

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

QUALITY CONTROL DATA

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

QC Batch: MSV/47360 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60125567002, 60125567004, 60125567005

METHOD BLANK: 1036003 Matrix: Water
Associated Lab Samples: 60125567002, 60125567004, 60125567005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	07/27/12 14:09	
1,2-Dichloroethane-d4 (S)	%	102	80-120	07/27/12 14:09	
4-Bromofluorobenzene (S)	%	103	80-120	07/27/12 14:09	
Dibromofluoromethane (S)	%	102	80-120	07/27/12 14:09	
Toluene-d8 (S)	%	102	80-120	07/27/12 14:09	

LABORATORY CONTROL SAMPLE: 1036004

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	20.4	102	74-123	
1,2-Dichloroethane-d4 (S)	%			109	80-120	
4-Bromofluorobenzene (S)	%			100	80-120	
Dibromofluoromethane (S)	%			102	80-120	
Toluene-d8 (S)	%			99	80-120	

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

QUALITY CONTROL DATA

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

QC Batch: OEXT/34121 Analysis Method: EPA 8270
QC Batch Method: EPA 3510C Analysis Description: 8270 MSSV TPH ORO
Associated Lab Samples: 60125567001, 60125567002, 60125567003, 60125567004, 60125567005, 60125567006, 60125567007, 60125567008, 60125567009, 60125567010, 60125567011, 60125567012, 60125567013, 60125567014, 60125567015, 60125567016, 60125567017, 60125567018

METHOD BLANK: 1033731 Matrix: Water
Associated Lab Samples: 60125567001, 60125567002, 60125567003, 60125567004, 60125567005, 60125567006, 60125567007, 60125567008, 60125567009, 60125567010, 60125567011, 60125567012, 60125567013, 60125567014, 60125567015, 60125567016, 60125567017, 60125567018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/L	ND	1.0	07/25/12 09:22	
TPH-ORO	mg/L	ND	1.0	07/25/12 09:22	
2-Fluorobiphenyl (S)	%	78	34-180	07/25/12 09:22	
Nitrobenzene-d5 (S)	%	91	21-189	07/25/12 09:22	
Terphenyl-d14 (S)	%	88	24-168	07/25/12 09:22	

LABORATORY CONTROL SAMPLE: 1033732

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/L	100	99.7	100	38-163	
2-Fluorobiphenyl (S)	%			168	34-180	
Nitrobenzene-d5 (S)	%			135	21-189	
Terphenyl-d14 (S)	%			122	24-168	

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

QUALITY CONTROL DATA

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

QC Batch: OEXT/34122 Analysis Method: EPA 8270C by SIM
QC Batch Method: EPA 3510C Analysis Description: 8270 Water PAH by SIM MSSV
Associated Lab Samples: 60125567001, 60125567002, 60125567003, 60125567004, 60125567005, 60125567006, 60125567007, 60125567008, 60125567009, 60125567010, 60125567011, 60125567012, 60125567013, 60125567014, 60125567015, 60125567016, 60125567017, 60125567018

METHOD BLANK: 1033733 Matrix: Water
Associated Lab Samples: 60125567001, 60125567002, 60125567003, 60125567004, 60125567005, 60125567006, 60125567007, 60125567008, 60125567009, 60125567010, 60125567011, 60125567012, 60125567013, 60125567014, 60125567015, 60125567016, 60125567017, 60125567018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	0.10	08/04/12 02:59	
Acenaphthylene	ug/L	ND	0.10	08/04/12 02:59	
Anthracene	ug/L	ND	0.10	08/04/12 02:59	
Benzo(a)anthracene	ug/L	ND	0.10	08/04/12 02:59	
Benzo(a)pyrene	ug/L	ND	0.10	08/04/12 02:59	
Benzo(b)fluoranthene	ug/L	ND	0.10	08/04/12 02:59	
Benzo(g,h,i)perylene	ug/L	ND	0.10	08/04/12 02:59	
Benzo(k)fluoranthene	ug/L	ND	0.10	08/04/12 02:59	
Chrysene	ug/L	ND	0.10	08/04/12 02:59	
Dibenz(a,h)anthracene	ug/L	ND	0.10	08/04/12 02:59	
Fluoranthene	ug/L	ND	0.10	08/04/12 02:59	
Fluorene	ug/L	ND	0.10	08/04/12 02:59	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	08/04/12 02:59	
Naphthalene	ug/L	ND	0.50	08/04/12 02:59	
Phenanthrene	ug/L	ND	0.50	08/04/12 02:59	
Pyrene	ug/L	ND	0.10	08/04/12 02:59	
2-Fluorobiphenyl (S)	%	90	44-120	08/07/12 20:22	
Nitrobenzene-d5 (S)	%	89	42-120	08/07/12 20:22	IO
Terphenyl-d14 (S)	%	126	46-131	08/07/12 20:22	

LABORATORY CONTROL SAMPLE: 1033734

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	10	8.6	86	48-120	
Acenaphthylene	ug/L	10	9.1	91	42-120	
Anthracene	ug/L	10	9.1	91	48-120	
Benzo(a)anthracene	ug/L	10	9.0	90	53-118	
Benzo(a)pyrene	ug/L	10	8.5	85	48-115	
Benzo(b)fluoranthene	ug/L	10	7.4	74	42-132	
Benzo(g,h,i)perylene	ug/L	10	9.2	92	38-116	
Benzo(k)fluoranthene	ug/L	10	10.3	103	48-117	
Chrysene	ug/L	10	9.7	97	51-115	
Dibenz(a,h)anthracene	ug/L	10	8.6	86	40-116	
Fluoranthene	ug/L	10	10.3	103	37-134	
Fluorene	ug/L	10	9.5	95	49-116	
Indeno(1,2,3-cd)pyrene	ug/L	10	8.6	86	37-118	
Naphthalene	ug/L	10	8.5	85	41-112	
Phenanthrene	ug/L	10	9.3	93	52-116	

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

QUALITY CONTROL DATA

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

LABORATORY CONTROL SAMPLE: 1033734

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/L	10	9.3	93	44-134	
2-Fluorobiphenyl (S)	%			121	44-120	S0
Nitrobenzene-d5 (S)	%			96	42-120	
Terphenyl-d14 (S)	%			92	46-131	

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

QUALITY CONTROL DATA

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

QC Batch: WET/36334 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 60125567001, 60125567002, 60125567003, 60125567004, 60125567005, 60125567006, 60125567007, 60125567008, 60125567009, 60125567010, 60125567011, 60125567012, 60125567013, 60125567014, 60125567015, 60125567016, 60125567017, 60125567018

METHOD BLANK: 1037831 Matrix: Water
Associated Lab Samples: 60125567001, 60125567002, 60125567003, 60125567004, 60125567005, 60125567006, 60125567007, 60125567008, 60125567009, 60125567010, 60125567011, 60125567012, 60125567013, 60125567014, 60125567015, 60125567016, 60125567017, 60125567018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Carbonate (CaCO3)	mg/L	ND	20.0	08/01/12 11:30	
Alkalinity, Total as CaCO3	mg/L	ND	20.0	08/01/12 11:30	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	20.0	08/01/12 11:30	

LABORATORY CONTROL SAMPLE: 1037832

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	500	477	95	90-110	

SAMPLE DUPLICATE: 1037833

Parameter	Units	60125567002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Carbonate (CaCO3)	mg/L	ND	ND		24	
Alkalinity, Total as CaCO3	mg/L	357	359	1	9	
Alkalinity,Bicarbonate (CaCO3)	mg/L	357	359	1	9	

SAMPLE DUPLICATE: 1037834

Parameter	Units	60125567009 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Carbonate (CaCO3)	mg/L	ND	ND		24	
Alkalinity, Total as CaCO3	mg/L	340	336	1	9	
Alkalinity,Bicarbonate (CaCO3)	mg/L	340	336	1	9	

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

QUALITY CONTROL DATA

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

QC Batch: WET/36181 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 60125567001, 60125567002, 60125567003, 60125567004, 60125567005, 60125567006, 60125567007, 60125567008, 60125567009, 60125567010, 60125567011, 60125567012, 60125567013, 60125567014, 60125567015, 60125567016, 60125567017, 60125567018

METHOD BLANK: 1033429 Matrix: Water
Associated Lab Samples: 60125567001, 60125567002, 60125567003, 60125567004, 60125567005, 60125567006, 60125567007, 60125567008, 60125567009, 60125567010, 60125567011, 60125567012, 60125567013, 60125567014, 60125567015, 60125567016, 60125567017, 60125567018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	07/23/12 11:14	

SAMPLE DUPLICATE: 1033430

Parameter	Units	60125567001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1620	1670	3	17	

SAMPLE DUPLICATE: 1033431

Parameter	Units	60125567013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1960	1970	0	17	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

QC Batch: WETA/21081 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 60125567001, 60125567002, 60125567003, 60125567004, 60125567005, 60125567006, 60125567007, 60125567008, 60125567009, 60125567010, 60125567011, 60125567012

METHOD BLANK: 1036969 Matrix: Water
Associated Lab Samples: 60125567001, 60125567002, 60125567003, 60125567004, 60125567005, 60125567006, 60125567007, 60125567008, 60125567009, 60125567010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Bromide	mg/L	ND	1.0	07/30/12 08:51	
Sulfate	mg/L	ND	1.0	07/30/12 08:51	

METHOD BLANK: 1037348 Matrix: Water
Associated Lab Samples: 60125567001, 60125567002, 60125567003, 60125567004, 60125567005, 60125567006, 60125567007, 60125567008, 60125567009, 60125567010, 60125567011, 60125567012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Bromide	mg/L	ND	1.0	07/31/12 11:20	
Chloride	mg/L	ND	1.0	07/31/12 11:20	
Sulfate	mg/L	ND	1.0	07/31/12 11:20	

METHOD BLANK: 1038367 Matrix: Water
Associated Lab Samples: 60125567008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	08/01/12 10:09	

LABORATORY CONTROL SAMPLE: 1036970

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromide	mg/L	5	5.4	108	90-110	
Sulfate	mg/L	5	5.3	106	90-110	

LABORATORY CONTROL SAMPLE: 1037349

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromide	mg/L	5	5.2	104	90-110	
Chloride	mg/L	5	5.1	101	90-110	
Sulfate	mg/L	5	5.0	100	90-110	

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

QUALITY CONTROL DATA

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

LABORATORY CONTROL SAMPLE: 1038368

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	4.9	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1036971 1036972

Parameter	Units	1207455001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromide	mg/L	ND	50	50	55.9	55.5	112	111	75-119	1	10	
Chloride	mg/L	72.0	50	50	123	122	102	100	64-118	1	12	
Sulfate	mg/L	288	250	250	557	545	108	103	61-119	2	10	

MATRIX SPIKE SAMPLE: 1036973

Parameter	Units	60125567002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromide	mg/L	7.5	5	12.6	102	75-119	
Chloride	mg/L	672	500	1110	88	64-118	
Sulfate	mg/L	29.2	500	509	96	61-119	

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

QUALITY CONTROL DATA

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

QC Batch: WETA/21082 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 60125567013, 60125567014, 60125567015, 60125567016, 60125567017, 60125567018

METHOD BLANK: 1037019 Matrix: Water
Associated Lab Samples: 60125567013, 60125567014, 60125567015, 60125567016, 60125567017, 60125567018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Bromide	mg/L	ND	1.0	07/30/12 15:23	
Chloride	mg/L	ND	1.0	07/30/12 15:23	

METHOD BLANK: 1037355 Matrix: Water
Associated Lab Samples: 60125567013, 60125567015, 60125567017, 60125567018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	07/31/12 09:53	
Sulfate	mg/L	ND	1.0	07/31/12 09:53	

METHOD BLANK: 1038369 Matrix: Water
Associated Lab Samples: 60125567014, 60125567016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Bromide	mg/L	ND	1.0	08/01/12 10:09	
Sulfate	mg/L	ND	1.0	08/01/12 10:09	

LABORATORY CONTROL SAMPLE: 1037020

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromide	mg/L	5	5.0	99	90-110	
Chloride	mg/L	5	4.9	97	90-110	

LABORATORY CONTROL SAMPLE: 1037356

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5	5.1	102	90-110	
Sulfate	mg/L	5	4.9	98	90-110	

LABORATORY CONTROL SAMPLE: 1038370

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromide	mg/L	5	4.9	99	90-110	
Sulfate	mg/L	5	4.7	94	90-110	

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

QUALITY CONTROL DATA

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1037021 1037022

Parameter	Units	60125567013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromide	mg/L	2.8	5	5	7.7	7.8	98	101	75-119	2	10	
Chloride	mg/L	637	250	250	844	842	83	82	64-118	0	12	
Sulfate	mg/L	262	250	250	497	501	94	95	61-119	1	10	

MATRIX SPIKE SAMPLE: 1037023

Parameter	Units	120758001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromide	mg/L	ND	5	5.2	104	75-119	
Chloride	mg/L	4.0	5	8.5	89	64-118	
Sulfate	mg/L	13.0	5	18.8	116	61-119	

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

QUALITY CONTROL DATA

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

QC Batch: WETA/20970 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 60125567001, 60125567002, 60125567003, 60125567004, 60125567005, 60125567006, 60125567007, 60125567008, 60125567009, 60125567010, 60125567011, 60125567012, 60125567013, 60125567014, 60125567015, 60125567016, 60125567017, 60125567018

METHOD BLANK: 1032434 Matrix: Water
Associated Lab Samples: 60125567001, 60125567002, 60125567003, 60125567004, 60125567005, 60125567006, 60125567007, 60125567008, 60125567009, 60125567010, 60125567011, 60125567012, 60125567013, 60125567014, 60125567015, 60125567016, 60125567017, 60125567018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	07/20/12 11:13	

LABORATORY CONTROL SAMPLE: 1032435

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.6	1.7	103	90-110	

MATRIX SPIKE SAMPLE: 1032436

Parameter	Units	60125567016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	4.3	3.2	7.5	99	90-110	

MATRIX SPIKE SAMPLE: 1032438

Parameter	Units	60125567007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	7.3	8	15.4	102	90-110	

SAMPLE DUPLICATE: 1032437

Parameter	Units	60125567013 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	ND	ND		15	

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

QUALIFIERS

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

BATCH QUALIFIERS

Batch: OEXT/34121

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

Batch: MSV/47280

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

Batch: MSV/47316

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

Batch: MSV/47317

[1]

Batch: MSV/47360

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

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
IO	The internal standard response was outside the laboratory acceptance limits confirmed by reanalysis. The results reported are from the most QC compliant analysis.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
S0	Surrogate recovery outside laboratory control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
pH	Post-analysis pH measurement indicates insufficient VOA sample preservation.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60125567001	MW-2-071812	EPA 3010	MPRP/18823	EPA 6010	ICP/15680
60125567002	MW-3-071812	EPA 3010	MPRP/18823	EPA 6010	ICP/15680
60125567003	MW-4-071812	EPA 3010	MPRP/18823	EPA 6010	ICP/15680
60125567004	MW-8-071812	EPA 3010	MPRP/18823	EPA 6010	ICP/15680
60125567005	MW-9-071812	EPA 3010	MPRP/18823	EPA 6010	ICP/15680
60125567006	MW-10-071812	EPA 3010	MPRP/18823	EPA 6010	ICP/15680
60125567007	MW-11-071812	EPA 3010	MPRP/18823	EPA 6010	ICP/15680
60125567008	MW-12-071812	EPA 3010	MPRP/18823	EPA 6010	ICP/15680
60125567009	MW-13-071812	EPA 3010	MPRP/18823	EPA 6010	ICP/15680
60125567010	MW-14-071812	EPA 3010	MPRP/18823	EPA 6010	ICP/15680
60125567011	MW-15-071812	EPA 3010	MPRP/18823	EPA 6010	ICP/15680
60125567012	MW-16-071812	EPA 3010	MPRP/18823	EPA 6010	ICP/15680
60125567013	MW-17-071812	EPA 3010	MPRP/18823	EPA 6010	ICP/15680
60125567014	MW-18-071812	EPA 3010	MPRP/18823	EPA 6010	ICP/15680
60125567015	MW-19-071812	EPA 3010	MPRP/18823	EPA 6010	ICP/15680
60125567016	MW-20-071812	EPA 3010	MPRP/18823	EPA 6010	ICP/15680
60125567017	EW-1-071812	EPA 3010	MPRP/18823	EPA 6010	ICP/15680
60125567018	WW-071812	EPA 3010	MPRP/18823	EPA 6010	ICP/15680
60125567001	MW-2-071812	EPA 3510C	OEXT/34121	EPA 8270	MSSV/10695
60125567002	MW-3-071812	EPA 3510C	OEXT/34121	EPA 8270	MSSV/10695
60125567003	MW-4-071812	EPA 3510C	OEXT/34121	EPA 8270	MSSV/10695
60125567004	MW-8-071812	EPA 3510C	OEXT/34121	EPA 8270	MSSV/10695
60125567005	MW-9-071812	EPA 3510C	OEXT/34121	EPA 8270	MSSV/10695
60125567006	MW-10-071812	EPA 3510C	OEXT/34121	EPA 8270	MSSV/10695
60125567007	MW-11-071812	EPA 3510C	OEXT/34121	EPA 8270	MSSV/10695
60125567008	MW-12-071812	EPA 3510C	OEXT/34121	EPA 8270	MSSV/10695
60125567009	MW-13-071812	EPA 3510C	OEXT/34121	EPA 8270	MSSV/10695
60125567010	MW-14-071812	EPA 3510C	OEXT/34121	EPA 8270	MSSV/10695
60125567011	MW-15-071812	EPA 3510C	OEXT/34121	EPA 8270	MSSV/10695
60125567012	MW-16-071812	EPA 3510C	OEXT/34121	EPA 8270	MSSV/10695
60125567013	MW-17-071812	EPA 3510C	OEXT/34121	EPA 8270	MSSV/10695
60125567014	MW-18-071812	EPA 3510C	OEXT/34121	EPA 8270	MSSV/10695
60125567015	MW-19-071812	EPA 3510C	OEXT/34121	EPA 8270	MSSV/10695
60125567016	MW-20-071812	EPA 3510C	OEXT/34121	EPA 8270	MSSV/10695
60125567017	EW-1-071812	EPA 3510C	OEXT/34121	EPA 8270	MSSV/10695
60125567018	WW-071812	EPA 3510C	OEXT/34121	EPA 8270	MSSV/10695
60125567001	MW-2-071812	EPA 3510C	OEXT/34122	EPA 8270C by SIM	MSSV/10744
60125567002	MW-3-071812	EPA 3510C	OEXT/34122	EPA 8270C by SIM	MSSV/10744
60125567003	MW-4-071812	EPA 3510C	OEXT/34122	EPA 8270C by SIM	MSSV/10744
60125567004	MW-8-071812	EPA 3510C	OEXT/34122	EPA 8270C by SIM	MSSV/10744
60125567005	MW-9-071812	EPA 3510C	OEXT/34122	EPA 8270C by SIM	MSSV/10744
60125567006	MW-10-071812	EPA 3510C	OEXT/34122	EPA 8270C by SIM	MSSV/10744
60125567007	MW-11-071812	EPA 3510C	OEXT/34122	EPA 8270C by SIM	MSSV/10744
60125567008	MW-12-071812	EPA 3510C	OEXT/34122	EPA 8270C by SIM	MSSV/10744
60125567009	MW-13-071812	EPA 3510C	OEXT/34122	EPA 8270C by SIM	MSSV/10744
60125567010	MW-14-071812	EPA 3510C	OEXT/34122	EPA 8270C by SIM	MSSV/10744
60125567011	MW-15-071812	EPA 3510C	OEXT/34122	EPA 8270C by SIM	MSSV/10744
60125567012	MW-16-071812	EPA 3510C	OEXT/34122	EPA 8270C by SIM	MSSV/10744

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60125567013	MW-17-071812	EPA 3510C	OEXT/34122	EPA 8270C by SIM	MSSV/10744
60125567014	MW-18-071812	EPA 3510C	OEXT/34122	EPA 8270C by SIM	MSSV/10744
60125567015	MW-19-071812	EPA 3510C	OEXT/34122	EPA 8270C by SIM	MSSV/10744
60125567016	MW-20-071812	EPA 3510C	OEXT/34122	EPA 8270C by SIM	MSSV/10744
60125567017	EW-1-071812	EPA 3510C	OEXT/34122	EPA 8270C by SIM	MSSV/10744
60125567018	WW-071812	EPA 3510C	OEXT/34122	EPA 8270C by SIM	MSSV/10744
60125567001	MW-2-071812	EPA 8260	MSV/47280		
60125567002	MW-3-071812	EPA 8260	MSV/47280		
60125567002	MW-3-071812	EPA 8260	MSV/47316		
60125567002	MW-3-071812	EPA 8260	MSV/47360		
60125567003	MW-4-071812	EPA 8260	MSV/47280		
60125567003	MW-4-071812	EPA 8260	MSV/47316		
60125567004	MW-8-071812	EPA 8260	MSV/47316		
60125567004	MW-8-071812	EPA 8260	MSV/47360		
60125567005	MW-9-071812	EPA 8260	MSV/47316		
60125567005	MW-9-071812	EPA 8260	MSV/47360		
60125567006	MW-10-071812	EPA 8260	MSV/47280		
60125567006	MW-10-071812	EPA 8260	MSV/47316		
60125567007	MW-11-071812	EPA 8260	MSV/47280		
60125567007	MW-11-071812	EPA 8260	MSV/47316		
60125567008	MW-12-071812	EPA 8260	MSV/47280		
60125567008	MW-12-071812	EPA 8260	MSV/47317		
60125567009	MW-13-071812	EPA 8260	MSV/47280		
60125567010	MW-14-071812	EPA 8260	MSV/47280		
60125567011	MW-15-071812	EPA 8260	MSV/47280		
60125567012	MW-16-071812	EPA 8260	MSV/47280		
60125567013	MW-17-071812	EPA 8260	MSV/47280		
60125567014	MW-18-071812	EPA 8260	MSV/47280		
60125567015	MW-19-071812	EPA 8260	MSV/47280		
60125567016	MW-20-071812	EPA 8260	MSV/47280		
60125567017	EW-1-071812	EPA 8260	MSV/47280		
60125567018	WW-071812	EPA 8260	MSV/47280		
60125567019	TRIPS	EPA 8260	MSV/47280		
60125567001	MW-2-071812	SM 2320B	WET/36334		
60125567002	MW-3-071812	SM 2320B	WET/36334		
60125567003	MW-4-071812	SM 2320B	WET/36334		
60125567004	MW-8-071812	SM 2320B	WET/36334		
60125567005	MW-9-071812	SM 2320B	WET/36334		
60125567006	MW-10-071812	SM 2320B	WET/36334		
60125567007	MW-11-071812	SM 2320B	WET/36334		
60125567008	MW-12-071812	SM 2320B	WET/36334		

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60125567009	MW-13-071812	SM 2320B	WET/36334		
60125567010	MW-14-071812	SM 2320B	WET/36334		
60125567011	MW-15-071812	SM 2320B	WET/36334		
60125567012	MW-16-071812	SM 2320B	WET/36334		
60125567013	MW-17-071812	SM 2320B	WET/36334		
60125567014	MW-18-071812	SM 2320B	WET/36334		
60125567015	MW-19-071812	SM 2320B	WET/36334		
60125567016	MW-20-071812	SM 2320B	WET/36334		
60125567017	EW-1-071812	SM 2320B	WET/36334		
60125567018	WW-071812	SM 2320B	WET/36334		
60125567001	MW-2-071812	SM 2540C	WET/36181		
60125567002	MW-3-071812	SM 2540C	WET/36181		
60125567003	MW-4-071812	SM 2540C	WET/36181		
60125567004	MW-8-071812	SM 2540C	WET/36181		
60125567005	MW-9-071812	SM 2540C	WET/36181		
60125567006	MW-10-071812	SM 2540C	WET/36181		
60125567007	MW-11-071812	SM 2540C	WET/36181		
60125567008	MW-12-071812	SM 2540C	WET/36181		
60125567009	MW-13-071812	SM 2540C	WET/36181		
60125567010	MW-14-071812	SM 2540C	WET/36181		
60125567011	MW-15-071812	SM 2540C	WET/36181		
60125567012	MW-16-071812	SM 2540C	WET/36181		
60125567013	MW-17-071812	SM 2540C	WET/36181		
60125567014	MW-18-071812	SM 2540C	WET/36181		
60125567015	MW-19-071812	SM 2540C	WET/36181		
60125567016	MW-20-071812	SM 2540C	WET/36181		
60125567017	EW-1-071812	SM 2540C	WET/36181		
60125567018	WW-071812	SM 2540C	WET/36181		
60125567001	MW-2-071812	EPA 300.0	WETA/21081		
60125567002	MW-3-071812	EPA 300.0	WETA/21081		
60125567003	MW-4-071812	EPA 300.0	WETA/21081		
60125567004	MW-8-071812	EPA 300.0	WETA/21081		
60125567005	MW-9-071812	EPA 300.0	WETA/21081		
60125567006	MW-10-071812	EPA 300.0	WETA/21081		
60125567007	MW-11-071812	EPA 300.0	WETA/21081		
60125567008	MW-12-071812	EPA 300.0	WETA/21081		
60125567009	MW-13-071812	EPA 300.0	WETA/21081		
60125567010	MW-14-071812	EPA 300.0	WETA/21081		
60125567011	MW-15-071812	EPA 300.0	WETA/21081		
60125567012	MW-16-071812	EPA 300.0	WETA/21081		
60125567013	MW-17-071812	EPA 300.0	WETA/21082		
60125567014	MW-18-071812	EPA 300.0	WETA/21082		
60125567015	MW-19-071812	EPA 300.0	WETA/21082		
60125567016	MW-20-071812	EPA 300.0	WETA/21082		
60125567017	EW-1-071812	EPA 300.0	WETA/21082		
60125567018	WW-071812	EPA 300.0	WETA/21082		
60125567001	MW-2-071812	EPA 353.2	WETA/20970		

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MALJAMAR GAS PLANT 075018
Pace Project No.: 60125567

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60125567002	MW-3-071812	EPA 353.2	WETA/20970		
60125567003	MW-4-071812	EPA 353.2	WETA/20970		
60125567004	MW-8-071812	EPA 353.2	WETA/20970		
60125567005	MW-9-071812	EPA 353.2	WETA/20970		
60125567006	MW-10-071812	EPA 353.2	WETA/20970		
60125567007	MW-11-071812	EPA 353.2	WETA/20970		
60125567008	MW-12-071812	EPA 353.2	WETA/20970		
60125567009	MW-13-071812	EPA 353.2	WETA/20970		
60125567010	MW-14-071812	EPA 353.2	WETA/20970		
60125567011	MW-15-071812	EPA 353.2	WETA/20970		
60125567012	MW-16-071812	EPA 353.2	WETA/20970		
60125567013	MW-17-071812	EPA 353.2	WETA/20970		
60125567014	MW-18-071812	EPA 353.2	WETA/20970		
60125567015	MW-19-071812	EPA 353.2	WETA/20970		
60125567016	MW-20-071812	EPA 353.2	WETA/20970		
60125567017	EW-1-071812	EPA 353.2	WETA/20970		
60125567018	WW-071812	EPA 353.2	WETA/20970		

Pace Analytical www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 2

Section A Required Client Information

Company	COP CRA Midland TX
Address	2135 South Loop, 250 West
	Midland, TX 79703
Email To	KHorton@CRAWORLD.COM
Phone:	(432) 686-0086
Fax	(432) 686-0186
Requested Due Date/TAT:	STD.

Section B Required Project Information

Report To:	
Copy To:	
Purchase Order No	
Project Name:	Maljamar Gas Plant
Project Number:	075018

Section C Invoice Information

Attention	
Company Name	
Address	
Pace Quote Reference	
Pace Project Manager	Alice Tracy
Pace Profile #:	

REGULATORY AGENCY

NPDES / GROUND WATER / DRINKING WATER / UST / RCRA / OTHER

Site Location STATE: NM

Section D Required Client Information

Valid Matrix Codes: 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

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

MATRIX CODE (see valid codes to left); SAMPLE TYPE (G=GRAB C=COMP)

Requested Analysis Filtered (Y/N)

Pace Project No./ Lab I.D.: 6012556?

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other Ice	Analysis Test	EPA 8260- BTEX	EPA 8270 SIM- PAH	EPA 6010- Ca, Mg, K, Na	EPA 300.0- Cl, Br, SO4	EPA 353.2- NO3	SM 2540C- TDS	SM 2320B-Tot/Carb/Bicar	VOC 8260	8270 PAH SIM/DRO/MRO	Metals	TDS/Alkalinity/Bicarb/Anions/Nitrates	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-2-071812	WT	G			7-18	1630		7	X		X	X				X									X	X	X	X		3(DG9H) 2(AE4U) 1(BP3U) 1(BBN) 001
2	MW-3-071812	WT	G			7-18	1730		7	X		X	X				X									X	X	X	X		002
3	MW-4-071812	WT	G			7-18	1550		7	X		X	X				X									X	X	X	X		003
4	MW-8-071812	WT	G			7-18	1850		7	X		X	X				X									X	X	X	X		004
5	MW-9-071812	WT	G			7-18	1655		7	X		X	X				X									X	X	X	X		005
6	MW-10-071812	WT	G			7-18	1520		7	X		X	X				X									X	X	X	X		006
7	MW-11-071812	WT	G			7-18	1500		7	X		X	X				X									X	X	X	X		007
8	MW-12-071812	WT	G			7-18	1415		7	X		X	X				X									X	X	X	X		008
9	MW-13-071812	WT	G			7-18	1340		7	X		X	X				X									X	X	X	X		009
10	MW-14-071812	WT	G			7-18	1700		7	X		X	X				X									X	X	X	X		010
11	MW-15-071812	WT	G			7-18	1300		7	X		X	X				X									X	X	X	X		011
12	MW-16-071812	WT	G			7-18	1245		7	X		X	X				X									X	X	X	X		012

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)
	Joe Mireles / CRA	7-19-12	0930	[illegible]	7/20/12	830	3.3	Y	Y	Y
							2.4	Y	Y	Y
							3.7	Y	Y	Y
							2.8	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joe Mireles

SIGNATURE of SAMPLER: Joe Mireles

DATE Signed (MM/DD/YY): 07-19-12

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days

F-ALL-Q-020rev.08, 12-Oct-2007

Pace Analytical

Invoice Information:

KHorton@CRAWORLD.COM

Date/TAT: STD.

Project: 075018

Filtered (Y/N)

ysis Test

Joe Miele

Joe Miele

for

ERROR: undefined
OFFENDING COMMAND: ~

STACK:

APPENDIX B

HISTORICAL WATER LEVEL MEASUREMENTS

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
MW-1	05/21/01	4002.24	78.25		0.00	0.00	78.25	3923.99
	06/29/01	4002.24	78.24		0.00	0.00	78.24	3924.00
	12/13/01	4002.24	78.66		0.00	0.00	78.66	3923.58
	03/22/02	4002.24	79.00		0.00	0.00	79.00	3923.24
	09/16/02	4002.24	79.44	79.25	0.19	0.15	79.29	3922.95
	09/20/02	4002.24	79.35	79.13	0.22	0.18	79.17	3923.07
	09/04/03	4002.24	78.34		0.00	0.00	78.34	3923.90
	04/05/04	4002.24	80.23	80.22	0.01	0.01	80.22	3922.02
	05/17/04	4002.24	81.32	80.28	1.04	0.83	80.49	3921.75
	05/24/04	4002.24	81.30	80.25	1.05	0.84	80.46	3921.78
	06/01/04	4002.24	81.36	80.30	1.06	0.85	80.51	3921.73
	06/07/04	4002.24	81.28	80.26	1.02	0.82	80.46	3921.78
	06/15/04	4002.24	81.43	80.36	1.07	0.86	80.57	3921.67
	06/21/04	4002.24	81.42	80.39	1.03	0.82	80.60	3921.64
	06/28/04	4002.24	81.69	80.58	1.11	0.89	80.80	3921.44
	07/06/04	4002.24	81.59	80.49	1.10	0.88	80.71	3921.53
	07/12/04	4002.24	81.67	80.57	1.10	0.88	80.79	3921.45
	07/19/04	4002.24	81.63	80.57	1.06	0.85	80.78	3921.46
	07/26/04	4002.24	81.82	80.72	1.10	0.88	80.94	3921.30
	08/02/04	4002.24	81.72	80.63	1.09	0.87	80.85	3921.39
	08/10/04	4002.24	81.82	80.72	1.10	0.88	80.94	3921.30
	08/16/04	4002.24	81.83	80.74	1.09	0.87	80.96	3921.28
	08/23/04	4002.24	81.61	80.57	1.04	0.83	80.78	3921.46
	08/30/04	4002.24	81.84	80.75	1.09	0.87	80.97	3921.27
	09/08/04	4002.24	81.91	80.83	1.08	0.86	81.05	3921.19
	10/08/04	4002.24	81.92	80.87	1.05	0.84	81.08	3921.16
	12/30/04	4002.24	81.94	80.97	0.97	0.78	81.16	3921.08
	01/17/05	4002.24	82.28	81.27	1.01	0.81	81.47	3920.77
	03/09/05	4002.24	82.30	81.23	1.07	0.86	81.44	3920.80
	04/05/05	4002.24	82.05	81.04	1.01	0.81	81.24	3921.00
	05/10/05	4002.24	82.15	81.16	0.99	0.79	81.36	3920.88
	06/08/05	4002.24	82.24	81.23	1.01	0.81	81.43	3920.81
	07/05/05	4002.24	82.49	81.43	1.06	0.85	81.64	3920.60
	08/08/05	4002.24	82.41	81.42	0.99	0.79	81.62	3920.62
	09/14/05	4002.24	82.33	81.35	0.98	0.78	81.55	3920.69
	10/12/05	4002.24	82.43	81.42	1.01	0.81	81.62	3920.62
	11/09/05	4002.24	82.48	81.46	1.02	0.82	81.66	3920.58
	12/14/05	4002.24	82.28	81.30	0.98	0.78	81.50	3920.74
	01/12/06	4002.24	82.15	81.21	0.94	0.75	81.40	3920.84
	02/02/06	4002.24	82.08	81.11	0.97	0.78	81.30	3920.94
	03/07/06	4002.24	82.23	81.29	0.94	0.75	81.48	3920.76
	04/05/06	4002.24	82.16	81.22	0.94	0.75	81.41	3920.83
	05/08/06	4002.24	82.05	81.11	0.94	0.75	81.30	3920.94
	06/05/06	4002.24	82.09	81.15	0.94	0.75	81.34	3920.90
	07/11/06	4002.24	82.06	81.11	0.95	0.76	81.30	3920.94
	08/16/06	4002.24	82.03	81.08	0.95	0.76	81.27	3920.97
	09/07/06	4002.24	81.83	80.93	0.90	0.72	81.11	3921.13
	10/11/06	4002.24	81.77	80.89	0.88	0.70	81.07	3921.17
	11/08/06	4002.24	81.65	80.79	0.86	0.69	80.96	3921.28
	12/04/06	4002.24	82.08	81.23	0.85	0.68	81.40	3920.84
	01/04/07	4002.24	81.51	80.68	0.83	0.66	80.85	3921.39
	02/27/07	4002.24	81.35	80.48	0.87	0.70	80.65	3921.59

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	03/20/07	4002.24	81.48	80.61	0.87	0.70	80.78	3921.46
	04/17/07	4002.24	81.31	80.47	0.84	0.67	80.64	3921.60
	05/07/07	4002.24	81.43	80.54	0.89	0.71	80.72	3921.52
	06/27/07	4002.24	81.25	80.35	0.90	0.72	80.53	3921.71
	07/19/07	4002.24	81.16	80.28	0.88	0.70	80.46	3921.78
	08/21/07	4002.24	81.03	80.12	0.91	0.73	80.30	3921.94
	09/17/07	4002.24	81.05	80.14	0.91	0.73	80.32	3921.92
	10/16/07	4002.24	80.85	79.91	0.94	0.75	80.10	3922.14
	11/20/07	4002.24	81.00	80.05	0.95	0.76	80.24	3922.00
	12/21/07	4002.24	80.85	79.88	0.97	0.78	80.07	3922.17
	01/22/08	4002.24	81.06	79.97	1.09	0.87	80.19	3922.05
	02/27/08	4002.24	81.05	79.90	1.15	0.92	80.13	3922.11
	03/25/08	4002.24	80.94	79.70	1.24	0.99	79.95	3922.29
	04/29/08	4002.24	81.03	79.59	1.44	1.15	79.88	3922.36
	05/05/08	4002.24	81.00	79.51	1.49	1.19	79.81	3922.43
	06/10/08	4002.24	81.20	79.35	1.85	1.48	79.72	3922.52
	07/15/08	4002.24	81.44	79.23	2.21	1.77	79.67	3922.57
	08/19/08	4002.24	81.70	79.05	2.65	2.12	79.58	3922.66
	09/16/08	4002.24	82.10	79.10	3.00	2.40	79.70	3922.54
	10/15/08	4002.24	82.25	78.91	3.34	2.67	79.58	3922.66
	11/12/08	4002.24	82.19	78.63	3.56	2.85	79.34	3922.90
	12/11/08	4002.24	82.58	78.70	3.88	3.10	79.48	3922.76
	01/13/09	4002.24	82.95	78.74	4.21	3.37	79.58	3922.66
	02/11/09	4002.24	82.78	78.40	4.38	3.50	79.28	3922.96
	03/10/09	4002.24	82.72	78.31	4.41	3.53	79.19	3923.05
	04/13/09	4002.24	82.90	78.24	4.66	3.73	79.17	3923.07
	05/01/09	4002.24	82.82	78.11	4.71	3.77	79.05	3923.19
	06/08/09	4002.24	82.78	77.97	4.81	3.85	78.93	3923.31
	07/13/09	4002.24	82.95	78.00	4.95	3.96	78.99	3923.25
	08/10/09	4002.24	83.09	77.97	5.12	4.10	78.99	3923.25
	09/15/09	4002.24	83.02	77.78	5.24	4.19	78.83	3923.41
	10/06/09	4002.24	83.01	77.78	5.23	4.18	78.83	3923.41
	11/09/09	4002.24	83.23	77.88	5.35	4.28	78.95	3923.29
	12/23/09	4002.24	82.85	77.48	5.37	4.30	78.55	3923.69
	01/20/10	4002.24	82.83	77.47	5.36	4.29	78.54	3923.70
	02/09/10	4002.24	83.33	77.78	5.55	4.44	78.89	3923.35
	03/09/10	4002.24	82.99	77.55	5.44	4.35	78.64	3923.60
	04/12/10	4002.24	83.30	77.78	5.52	4.42	78.88	3923.36
	05/24/10	4002.24	83.17	77.65	5.52	4.42	78.75	3923.49
	06/14/10	4002.24	83.29	77.87	5.42	4.34	78.95	3923.29
	07/20/10	4002.24	83.37	77.82	5.55	4.44	78.93	3923.31
	08/10/10	4002.24	85.43	79.86	5.57	4.46	80.97	3921.27
	08/11/10	4002.24	79.07	79.05	0.02	0.02	79.05	3923.19
	08/18/10	4002.24	81.16	81.07	0.09	0.07	81.09	3921.15
	09/21/10	4002.24	78.98	78.89	0.09	0.07	78.91	3923.33
	09/28/10	4002.24	78.07	77.96	0.11	0.09	77.98	3924.26
	11/08/10	4002.24	79.03	78.91	0.12	0.10	78.93	3923.31
	12/07/10	4002.24	79.08	78.95	0.13	0.10	78.98	3923.26
	01/18/11	4002.24	79.18	79.10	0.08	0.06	79.12	3923.12
	02/08/11	4002.24	79.97	78.83	1.14	0.91	79.06	3923.18
	03/08/11	4002.24	79.13	78.92	0.21	0.17	78.96	3923.28
	04/13/11	4002.24	79.21	78.98	0.23	0.18	79.03	3923.21

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	05/23/11	4002.24	79.20	78.95	0.25	0.20	79.00	3923.24
	06/28/11	4002.24	79.54	79.17	0.37	0.30	79.24	3923.00
	07/19/11	4002.24	79.36	79.04	0.32	0.26	79.10	3923.14
	08/31/11	4002.24	81.38	81.07	0.31	0.25	81.13	3921.11
	09/27/11	4002.24	81.40	81.10	0.30	0.24	81.16	3921.08
	10/24/11	4002.24	81.24	80.99	0.25	0.20	81.04	3921.20
	11/29/11	4002.24	81.59	81.32	0.27	0.22	81.37	3920.87
	12/23/11	4002.24	81.68	81.36	0.32	0.26	81.42	3920.82
	01/31/12	4002.24	81.59	81.34	0.25	0.20	81.39	3920.85
	02/29/12	4002.24	81.58	81.43	0.15	0.12	81.46	3920.78
	03/27/12	4002.24	81.62	81.44	0.18	0.14	81.48	3920.76
	04/18/12	4002.24	81.59	81.44	0.15	0.12	81.47	3920.77
	05/21/12	4002.24	81.81	81.68	0.13	0.10	81.71	3920.53
	07/17/12	4002.24	81.64	81.50	0.14	0.11	81.53	3920.71
	08/21/12	4002.24	81.70	81.62	0.08	0.06	81.64	3920.60
	09/17/12	4002.24	81.59	81.51	0.08	0.06	81.53	3920.71
	12/13/12	4002.24	--	81.10				
MW-2	05/21/01	4005.12	76.63		0.00	0.00	76.63	3928.49
	06/29/01	4005.12	76.57		0.00	0.00	76.57	3928.55
	12/13/01	4005.12	76.94		0.00	0.00	76.94	3928.18
	02/28/02	4005.12	76.92		0.00	0.00	76.92	3928.20
	03/22/02	4005.12	77.29		0.00	0.00	77.29	3927.83
	09/16/02	4005.12	77.57		0.00	0.00	77.57	3927.55
	09/20/02	4005.12	77.47		0.00	0.00	77.47	3927.65
	04/05/04	4005.12	80.23		0.00	0.00	80.23	3924.89
	05/17/04	4005.12	78.62		0.00	0.00	78.62	3926.50
	05/24/04	4005.12	78.81		0.00	0.00	78.81	3926.31
	06/01/04	4005.12	79.06		0.00	0.00	79.06	3926.06
	06/07/04	4005.12	79.04		0.00	0.00	79.04	3926.08
	06/15/04	4005.12	79.20		0.00	0.00	79.20	3925.92
	06/21/04	4005.12	79.23		0.00	0.00	79.23	3925.89
	06/28/04	4005.12	79.54		0.00	0.00	79.54	3925.58
	07/06/04	4005.12	79.38		0.00	0.00	79.38	3925.74
	07/12/04	4005.12	79.50		0.00	0.00	79.50	3925.62
	07/19/04	4005.12	79.45		0.00	0.00	79.45	3925.67
	07/26/04	4005.12	79.68		0.00	0.00	79.68	3925.44
	08/02/04	4005.12	79.52		0.00	0.00	79.52	3925.60
	08/10/04	4005.12	79.66		0.00	0.00	79.66	3925.46
	08/16/04	4005.12	79.65		0.00	0.00	79.65	3925.47
	08/23/04	4005.12	79.39		0.00	0.00	79.39	3925.73
	08/30/04	4005.12	79.64		0.00	0.00	79.64	3925.48
	09/08/04	4005.12	79.94	79.73	0.21	0.17	79.77	3925.35
	10/08/04	4005.12	79.73		0.00	0.00	79.73	3925.39
	12/30/05	4005.12	79.71		0.00	0.00	79.71	3925.41
	01/17/05	4005.12	79.85		0.00	0.00	79.85	3925.27
	03/09/05	4005.12	80.00		0.00	0.00	80.00	3925.12
	04/05/05	4005.12	79.72		0.00	0.00	79.72	3925.40
	05/10/05	4005.12	79.77		0.00	0.00	79.77	3925.35
	06/08/05	4005.12	79.83		0.00	0.00	79.83	3925.29
	07/05/05	4005.12	80.13		0.00	0.00	80.13	3924.99
	08/08/05	4005.12	80.03		0.00	0.00	80.03	3925.09
	09/14/05	4005.12	79.69		0.00	0.00	79.69	3925.43

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	10/12/05	4005.12	79.59	79.59	0.00	0.00	79.59	3925.53
	11/09/05	4005.12	79.58		0.00	0.00	79.58	3925.54
	12/14/05	4005.12	79.58		0.00	0.00	79.58	3925.54
	01/12/06	4005.12	79.21		0.00	0.00	79.21	3925.91
	02/02/06	4005.12	79.22		0.00	0.00	79.22	3925.90
	03/07/06	4005.12	79.71		0.00	0.00	79.71	3925.41
	04/05/06	4005.12	79.91	79.90	0.01	0.01	79.90	3925.22
	05/08/06	4005.12	79.62	79.62	0.00	0.00	79.62	3925.50
	06/05/06	4005.12	79.64		0.00	0.00	79.64	3925.48
	07/11/06	4005.12	79.56	79.56	0.00	0.00	79.56	3925.56
	08/16/06	4005.12	79.11		0.00	0.00	79.11	3926.01
	09/07/06	4005.12	79.15		0.00	0.00	79.15	3925.97
	10/11/06	4005.12	79.22	79.21	0.01	0.01	79.21	3925.91
	11/08/06	4005.12	79.04	79.04	0.00	0.00	79.04	3926.08
	12/04/06	4005.12	79.68	79.68	0.00	0.00	79.68	3925.44
	01/04/07	4005.12	78.79		0.00	0.00	78.79	3926.33
	02/27/07	4005.12	78.78	78.77	0.01	0.01	78.77	3926.35
	03/20/07	4005.12	79.31	79.30	0.01	0.01	79.30	3925.82
	04/17/07	4005.12	79.40	79.39	0.01	0.01	79.39	3925.73
	05/07/07	4005.12	79.30	79.30	0.00	0.00	79.30	3925.82
	06/27/07	4005.12	78.98		0.00	0.00	78.98	3926.14
	07/19/07	4005.12	78.85		0.00	0.00	78.85	3926.27
	08/21/07	4005.12	78.71		0.00	0.00	78.71	3926.41
	09/17/07	4005.12	78.72		0.00	0.00	78.72	3926.40
	10/16/07	4005.12	78.61		0.00	0.00	78.61	3926.51
	11/20/07	4005.12	78.67		0.00	0.00	78.67	3926.45
	12/21/07	4005.12	78.47		0.00	0.00	78.47	3926.65
	01/22/08	4005.12	78.78		0.00	0.00	78.78	3926.34
	02/27/08	4005.12	78.35		0.00	0.00	78.35	3926.77
	03/25/08	4005.12	78.40		0.00	0.00	78.40	3926.72
	04/29/08	4005.12	78.48		0.00	0.00	78.48	3926.64
	05/05/08	4005.12	78.41		0.00	0.00	78.41	3926.71
	06/10/08	4005.12	78.42		0.00	0.00	78.42	3926.70
	07/15/08	4005.12	78.36		0.00	0.00	78.36	3926.76
	08/19/08	4005.12	77.95		0.00	0.00	77.95	3927.17
	09/16/08	4005.12	78.09		0.00	0.00	78.09	3927.03
	10/15/08	4005.12	77.99		0.00	0.00	77.99	3927.13
	11/12/08	4005.12	77.74		0.00	0.00	77.74	3927.38
	12/11/08	4005.12	78.14		0.00	0.00	78.14	3926.98
	01/13/09	4005.12	78.43		0.00	0.00	78.43	3926.69
	02/11/09	4005.12	78.03		0.00	0.00	78.03	3927.09
	03/10/09	4005.12	77.90		0.00	0.00	77.90	3927.22
	04/13/09	4005.12	78.03		0.00	0.00	78.03	3927.09
	05/01/09	4005.12	77.89		0.00	0.00	77.89	3927.23
	06/08/09	4005.12	77.77		0.00	0.00	77.77	3927.35
	07/13/09	4005.12	77.81		0.00	0.00	77.81	3927.31
	08/10/09	4005.12	77.86		0.00	0.00	77.86	3927.26
	09/15/09	4005.12	77.70		0.00	0.00	77.70	3927.42
	10/06/09	4005.12	77.58		0.00	0.00	77.58	3927.54
	11/09/09	4005.12	77.83		0.00	0.00	77.83	3927.29
	12/23/09	4005.12	77.35		0.00	0.00	77.35	3927.77
	01/20/10	4005.12	77.29		0.00	0.00	77.29	3927.83

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	02/09/10	4005.12	77.87		0.00	0.00	77.87	3927.25
	03/09/10	4005.12	77.52		0.00	0.00	77.52	3927.60
	04/12/10	4005.12	77.86		0.00	0.00	77.86	3927.26
	05/24/10	4005.12	77.62		0.00	0.00	77.62	3927.50
	05/14/10	4005.12	77.79		0.00	0.00	77.79	3927.33
	07/20/10	4005.12	77.84		0.00	0.00	77.84	3927.28
	08/11/10	4005.12	77.83		0.00	0.00	77.83	3927.29
	09/21/10	4005.12	77.75		0.00	0.00	77.75	3927.37
	11/08/10	4005.12	77.77		0.00	0.00	77.77	3927.35
	12/07/10	4005.12	77.92		0.00	0.00	77.92	3927.20
	01/18/11	4005.12	78.00		0.00	0.00	78.00	3927.12
	02/08/11	4005.12	77.82		0.00	0.00	77.82	3927.30
	03/08/11	4005.12	77.40		0.00	0.00	77.40	3927.72
	04/13/11	4005.12	77.48		0.00	0.00	77.48	3927.64
	05/23/11	4005.12	77.31		0.00	0.00	77.31	3927.81
	06/28/11	4005.12	78.25		0.00	0.00	78.25	3926.87
	07/19/11	4005.12	78.27		0.00	0.00	78.27	3926.85
	08/31/11	4005.12	78.26		0.00	0.00	78.26	3926.86
	09/27/11	4005.12	78.31		0.00	0.00	78.31	3926.81
	10/24/11	4005.12	78.32		0.00	0.00	78.32	3926.80
	11/29/11	4005.12	78.62		0.00	0.00	78.62	3926.50
	12/23/11	4005.12	78.44		0.00	0.00	78.44	3926.68
	01/31/12	4005.12	78.41		0.00	0.00	78.41	3926.71
	02/29/12	4005.12	78.56		0.00	0.00	78.56	3926.56
	03/27/12	4005.12	78.55		0.00	0.00	78.55	3926.57
	04/18/12	4005.12	78.70		0.00	0.00	78.70	3926.42
	05/21/12	4005.12	79.00		0.00	0.00	79.00	3926.12
	07/17/12	4005.12	78.25		0.00	0.00	78.25	3926.87
	08/21/12	4005.12	78.15		0.00	0.00	78.15	3926.97
	09/17/12	4005.12	78.02		0.00	0.00	78.02	3927.10
	12/13/12	4005.12	--					
MW-3	02/06/02	4001.94	79.30	77.13	2.17	1.74	77.56	3924.38
	02/13/02	4001.94	79.62	77.71	1.91	1.53	78.09	3923.85
	03/22/02	4001.94	78.05	77.80	0.25	0.20	77.85	3924.09
	09/16/02	4001.94	78.18	78.14	0.04	0.03	78.15	3923.79
	09/20/02	4001.94	77.98	77.98	0.00	0.00	77.98	3923.96
	09/04/03	4001.94	79.29	78.91	0.38	0.30	78.99	3922.95
	04/05/04	4001.94	79.10	79.04	0.06	0.05	79.05	3922.89
	05/17/04	4001.94	79.46	79.08	0.38	0.30	79.16	3922.78
	05/24/04	4001.94	79.41	79.05	0.36	0.29	79.12	3922.82
	06/01/04	4001.94	79.58	79.17	0.41	0.33	79.25	3922.69
	06/07/04	4001.94	79.50	79.12	0.38	0.30	79.20	3922.74
	06/15/04	4001.94	79.68	79.24	0.44	0.35	79.33	3922.61
	06/21/04	4001.94	79.65	79.24	0.41	0.33	79.32	3922.62
	06/28/04	4001.94	80.04	79.53	0.51	0.41	79.63	3922.31
	07/06/04	4001.94	79.87	79.40	0.47	0.38	79.49	3922.45
	07/12/04	4001.94	80.00	79.49	0.51	0.41	79.59	3922.35
	07/19/04	4001.94	79.94	79.46	0.48	0.38	79.56	3922.38
	07/26/04	4001.94	80.18	79.65	0.53	0.42	79.76	3922.18
	08/02/04	4001.94	80.01	79.52	0.49	0.39	79.62	3922.32
	08/10/04	4001.94	80.12	79.59	0.53	0.42	79.70	3922.24
	08/16/04	4001.94	80.16	79.62	0.54	0.43	79.73	3922.21

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	08/23/04	4001.94	79.82	79.39	0.43	0.34	79.48	3922.46
	08/30/04	4001.94	80.14	79.62	0.52	0.42	79.72	3922.22
	09/08/04	4001.94	80.24	79.68	0.56	0.45	79.79	3922.15
	10/08/04	4001.94	80.19	79.69	0.50	0.40	79.79	3922.15
	12/30/04	4001.94	80.13	79.71	0.42	0.34	79.79	3922.15
	01/17/05	4001.94	80.57	79.00	1.57	1.26	79.31	3922.63
	03/09/05	4001.94	80.50	80.00	0.50	0.40	80.10	3921.84
	04/05/05	4001.94	80.14	79.79	0.35	0.28	79.86	3922.08
	05/10/05	4001.94	80.23	79.84	0.39	0.31	79.92	3922.02
	06/08/05	4001.94	80.34	79.91	0.43	0.34	80.00	3921.94
	07/05/05	4001.94	80.69	80.15	0.54	0.43	80.26	3921.68
	08/08/05	4001.94	80.57	80.07	0.50	0.40	80.17	3921.77
	09/14/05	4001.94	80.39	79.96	0.43	0.34	80.05	3921.89
	10/12/05	4001.94	80.47	80.04	0.43	0.34	80.13	3921.81
	11/09/05	4001.94	80.46	80.06	0.40	0.32	80.14	3921.80
	12/14/05	4001.94	80.23	79.90	0.33	0.26	79.97	3921.97
	01/12/06	4001.94	79.99	79.72	0.27	0.22	79.77	3922.17
	02/02/06	4001.94	79.93	79.70	0.23	0.18	79.75	3922.19
	03/07/06	4001.94	80.24	79.90	0.34	0.27	79.97	3921.97
	04/05/06	4001.94	80.25	79.91	0.34	0.27	79.98	3921.96
	05/08/06	4001.94	80.10	79.83	0.27	0.22	79.88	3922.06
	06/05/06	4001.94	80.15	79.86	0.29	0.23	79.92	3922.02
	07/11/06	4001.94	80.10	79.85	0.25	0.20	79.90	3922.04
	08/16/06	4001.94	79.99	79.80	0.19	0.15	79.84	3922.10
	09/07/06	4001.94	79.64		0.00	0.00	79.64	3922.30
	10/11/06	4001.94	79.84	79.64	0.20	0.16	79.68	3922.26
	11/08/06	4001.94	79.66	79.51	0.15	0.12	79.54	3922.40
	12/04/06	4001.94	80.32	80.01	0.31	0.25	80.07	3921.87
	01/04/07	4001.94	79.39	79.39	0.00	0.00	79.39	3922.55
	02/27/07	4001.94	79.49	79.34	0.15	0.12	79.37	3922.57
	03/20/07	4001.94	79.74	79.56	0.18	0.14	79.60	3922.34
	04/17/07	4001.94	79.66	79.47	0.19	0.15	79.51	3922.43
	05/07/07	4001.94	79.63		0.00	0.00	79.63	3922.31
	06/27/07	4001.94	79.58	79.41	0.17	0.14	79.44	3922.50
	07/19/07	4001.94	79.25	79.25	0.00	0.00	79.25	3922.69
	08/21/07	4001.94	79.30	79.18	0.12	0.10	79.20	3922.74
	09/17/07	4001.94	79.32	79.18	0.14	0.11	79.21	3922.73
	10/16/07	4001.94	79.26	79.15	0.11	0.09	79.17	3922.77
	11/20/07	4001.94	79.25	79.17	0.08	0.06	79.19	3922.75
	12/21/07	4001.94	79.00		0.00	0.00	79.00	3922.94
	01/22/08	4001.94	79.32	79.30	0.02	0.02	79.30	3922.64
	02/27/08	4001.94	79.20	79.15	0.05	0.04	79.16	3922.78
	03/25/08	4001.94	79.00	78.95	0.05	0.04	78.96	3922.98
	04/29/08	4001.94	79.00	78.98	0.02	0.02	78.98	3922.96
	05/05/08	4001.94	78.94	78.92	0.02	0.02	78.92	3923.02
	06/10/08	4001.94	78.89	78.87	0.02	0.02	78.87	3923.07
	07/15/08	4001.94	78.82	78.80	0.02	0.02	78.80	3923.14
	08/19/08	4001.94	78.64		0.00	0.00	78.64	3923.30
	09/16/08	4001.94	78.92	78.83	0.09	0.07	78.85	3923.09
	10/15/08	4001.94	78.85	78.67	0.18	0.14	78.71	3923.23
	11/12/08	4001.94	78.54	78.36	0.18	0.14	78.40	3923.54
	12/11/08	4001.94	78.80	78.56	0.24	0.19	78.61	3923.33

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	01/19/09	4001.94	78.97	78.74	0.23	0.18	78.79	3923.15
	02/11/09	4001.94	78.56	78.39	0.17	0.14	78.42	3923.52
	03/10/09	4001.94	78.36	78.28	0.08	0.06	78.30	3923.64
	04/13/09	4001.94	78.48	78.34	0.14	0.11	78.37	3923.57
	05/01/09	4001.94	78.28	78.20	0.08	0.06	78.22	3923.72
	06/08/09	4001.94	78.11	78.07	0.04	0.03	78.08	3923.86
	07/13/09	4001.94	78.26	78.13	0.13	0.10	78.16	3923.78
	08/10/09	4001.94	78.22	78.12	0.10	0.08	78.14	3923.80
	09/15/09	4001.94	78.08	77.95	0.13	0.10	77.98	3923.96
	10/06/09	4001.94	77.96	77.87	0.09	0.07	77.89	3924.05
	11/09/09	4001.94	78.17	78.05	0.12	0.10	78.07	3923.87
	12/23/09	4001.94	77.62	77.60	0.02	0.02	77.60	3924.34
	01/20/10	4001.94	77.57	77.55	0.02	0.02	77.55	3924.39
	02/09/10	4001.94	78.20	78.09	0.11	0.09	78.11	3923.83
	03/09/10	4001.94	77.76	77.74	0.02	0.02	77.74	3924.20
	04/12/10	4001.94	78.09	78.00	0.09	0.07	78.02	3923.92
	05/24/10	4001.94	77.85	77.82	0.03	0.02	77.83	3924.11
	06/14/10	4001.94	78.02	77.97	0.05	0.04	77.98	3923.96
	07/20/10	4001.94	78.08	78.03	0.05	0.04	78.04	3923.90
	08/11/10	4001.94	78.11	78.05	0.06	0.05	78.06	3923.88
	09/21/10	4001.94	77.98	77.95	0.03	0.02	77.96	3923.98
	10/20/10	4001.94	78.11	78.06	0.05	0.04	78.07	3923.87
	11/08/10	4001.94	77.96	77.95	0.01	0.01	77.95	3923.99
	12/07/10	4001.94	78.07	78.05	0.02	0.02	78.05	3923.89
	01/18/11	4001.94	78.07		0.00	0.00	78.07	3923.87
	02/08/11	4001.94	NM					
	03/08/11	4001.94	77.81	77.80	0.01	0.01	77.80	3924.14
	04/13/11	4001.94	77.95	77.94	0.01	0.01	77.94	3924.00
	05/23/11	4001.94	77.83	77.82	0.01	0.01	77.82	3924.12
	06/28/11	4001.94	78.20		0.00	0.00	78.20	3923.74
	07/19/11	4001.94	78.29		0.00	0.00	78.29	3923.65
	08/31/11	4001.94	78.17		0.00		78.17	3923.77
	09/27/11	4001.94	78.20		0.00		78.20	3923.74
	10/24/11	4001.94	78.37	78.33	0.04	0.03	78.34	3923.60
	11/29/11	4001.94	78.43	78.42	0.01	0.01	78.42	3923.52
	12/23/11	4001.94	78.45		0.00		78.45	3923.49
	01/31/12	4001.94	78.34		0.00	0.00	78.34	3923.60
	02/29/12	4001.94	78.53					
	03/27/12	4001.94	78.51	77.80	0.71	0.57	77.94	3924.00
	04/18/12	4001.94	78.62	77.94	0.68	0.54	78.08	3923.86
	05/21/12	4001.94	78.90	77.82	1.08	0.86	78.04	3923.90
	07/17/12	4001.94	78.65		0.00	0.00	78.65	3923.29
	08/21/12	4001.94	78.63		0.00	0.00	78.63	3923.31
	09/17/12	4001.94	78.50		0.00		78.50	3923.44
	12/13/12	4001.94	78.87		0.00		78.87	3923.07
MW-4	05/22/01	4016.20	95.20		0.00	0.00	95.20	3921.00
	05/24/01	4016.20	94.88		0.00	0.00	94.88	3921.32
	06/29/01	4016.20	94.87		0.00	0.00	94.87	3921.33
	12/13/01	4016.20	95.27		0.00	0.00	95.27	3920.93
	03/22/02	4016.20	95.37		0.00	0.00	95.37	3920.83
	09/16/02	4016.20	95.53		0.00	0.00	95.53	3920.67
	09/20/02	4016.20	95.42		0.00	0.00	95.42	3920.78

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	04/05/04	4016.20	96.38		0.00	0.00	96.38	3919.82
	05/17/04	4016.20	96.43		0.00	0.00	96.43	3919.77
	05/24/04	4016.20	96.37		0.00	0.00	96.37	3919.83
	06/01/04	4016.20	96.42		0.00	0.00	96.42	3919.78
	06/07/04	4016.20	96.34		0.00	0.00	96.34	3919.86
	06/15/04	4016.20	96.45		0.00	0.00	96.45	3919.75
	06/21/04	4016.20	96.42		0.00	0.00	96.42	3919.78
	06/28/04	4016.20	96.66		0.00	0.00	96.66	3919.54
	07/06/04	4016.20	96.54		0.00	0.00	96.54	3919.66
	07/12/04	4016.20	96.62		0.00	0.00	96.62	3919.58
	07/19/04	4016.20	96.56		0.00	0.00	96.56	3919.64
	07/26/04	4016.20	96.73		0.00	0.00	96.73	3919.47
	08/02/04	4016.20	96.61		0.00	0.00	96.61	3919.59
	08/10/04	4016.20	96.75		0.00	0.00	96.75	3919.45
	08/16/04	4016.20	96.69		0.00	0.00	96.69	3919.51
	08/23/04	4016.20	96.49		0.00	0.00	96.49	3919.71
	08/30/04	4016.20	96.69		0.00	0.00	96.69	3919.51
	09/08/04	4016.20	96.74		0.00	0.00	96.74	3919.46
	10/08/04	4016.20	96.71		0.00	0.00	96.71	3919.49
	12/30/04	4016.20	96.65		0.00	0.00	96.65	3919.55
	01/17/05	4016.20	97.03		0.00	0.00	97.03	3919.17
	02/09/05	4016.20	96.94		0.00	0.00	96.94	3919.26
	03/09/05	4016.20	96.96		0.00	0.00	96.96	3919.24
	04/05/05	4016.20	96.71		0.00	0.00	96.71	3919.49
	05/10/05	4016.20	96.75		0.00	0.00	96.75	3919.45
	06/08/05	4016.20	96.85		0.00	0.00	96.85	3919.35
	07/05/05	4016.20	97.08		0.00	0.00	97.08	3919.12
	08/08/05	4016.20	96.97		0.00	0.00	96.97	3919.23
	09/14/05	4016.20	96.94		0.00	0.00	96.94	3919.26
	10/12/05	4016.20	97.07		0.00	0.00	97.07	3919.13
	11/09/05	4016.20	97.14		0.00	0.00	97.14	3919.06
	12/14/05	4016.20	97.03		0.00	0.00	97.03	3919.17
	01/12/06	4016.20	96.91		0.00	0.00	96.91	3919.29
	02/02/06	4016.20	96.91		0.00	0.00	96.91	3919.29
	03/07/06	4016.20	97.04		0.00	0.00	97.04	3919.16
	04/05/06	4016.20	96.99		0.00	0.00	96.99	3919.21
	05/08/06	4016.20	96.95		0.00	0.00	96.95	3919.25
	06/05/06	4016.20	97.05		0.00	0.00	97.05	3919.15
	07/11/06	4016.20	97.09		0.00	0.00	97.09	3919.11
	08/16/06	4016.20	97.16		0.00	0.00	97.16	3919.04
	09/07/06	4016.20	97.08		0.00	0.00	97.08	3919.12
	10/11/06	4016.20	97.10		0.00	0.00	97.10	3919.10
	11/08/06	4016.20	97.00		0.00	0.00	97.00	3919.20
	12/04/06	4016.20	97.48		0.00	0.00	97.48	3918.72
	01/04/07	4016.20	96.97		0.00	0.00	96.97	3919.23
	02/27/07	4016.20	97.03		0.00	0.00	97.03	3919.17
	03/20/07	4016.20	97.18		0.00	0.00	97.18	3919.02
	04/17/07	4016.20	97.02		0.00	0.00	97.02	3919.18
	05/07/07	4016.20	97.20		0.00	0.00	97.20	3919.00
	06/27/07	4016.20	97.09		0.00	0.00	97.09	3919.11
	07/19/07	4016.20	97.02		0.00	0.00	97.02	3919.18
	08/21/07	4016.20	96.95		0.00	0.00	96.95	3919.25

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	09/17/07	4016.20	96.98		0.00	0.00	96.98	3919.22
	10/16/07	4016.20	96.93		0.00	0.00	96.93	3919.27
	11/20/07	4016.20	97.03		0.00	0.00	97.03	3919.17
	12/21/07	4016.20	96.91		0.00	0.00	96.91	3919.29
	01/22/08	4016.20	97.28		0.00	0.00	97.28	3918.92
	02/27/08	4016.20	97.26		0.00	0.00	97.26	3918.94
	03/25/08	4016.20	97.14		0.00	0.00	97.14	3919.06
	04/29/08	4016.20	97.13		0.00	0.00	97.13	3919.07
	05/05/08	4016.20	97.08		0.00	0.00	97.08	3919.12
	06/10/08	4016.20	97.11		0.00	0.00	97.11	3919.09
	07/15/08	4016.20	97.11		0.00	0.00	97.11	3919.09
	08/19/08	4016.20	97.10		0.00	0.00	97.10	3919.10
	09/16/08	4016.20	97.32		0.00	0.00	97.32	3918.88
	10/15/08	4016.20	97.25		0.00	0.00	97.25	3918.95
	11/12/08	4016.20	97.01		0.00	0.00	97.01	3919.19
	12/11/08	4016.20	97.15		0.00	0.00	97.15	3919.05
	01/13/09	4016.20	97.31		0.00	0.00	97.31	3918.89
	02/11/09	4016.20	97.03		0.00	0.00	97.03	3919.17
	03/10/09	4016.20	96.88		0.00	0.00	96.88	3919.32
	04/13/09	4016.20	96.97		0.00	0.00	96.97	3919.23
	05/01/09	4016.20	96.80		0.00	0.00	96.80	3919.40
	06/08/09	4016.20	96.70		0.00	0.00	96.70	3919.50
	07/13/09	4016.20	96.72		0.00	0.00	96.72	3919.48
	08/10/09	4016.20	96.73		0.00	0.00	96.73	3919.47
	09/15/09	4016.20	96.57		0.00	0.00	96.57	3919.63
	10/06/09	4016.20	96.51		0.00	0.00	96.51	3919.69
	11/09/09	4016.20	96.63		0.00	0.00	96.63	3919.57
	12/23/09	4016.20	96.25		0.00	0.00	96.25	3919.95
	01/20/10	4016.20	96.20		0.00	0.00	96.20	3920.00
	02/09/10	4016.20	96.61		0.00	0.00	96.61	3919.59
	03/09/10	4016.20	96.33		0.00	0.00	96.33	3919.87
	04/12/10	4016.20	96.51		0.00	0.00	96.51	3919.69
	05/24/10	4016.20	96.33		0.00	0.00	96.33	3919.87
	06/14/10	4016.20	96.40		0.00	0.00	96.40	3919.80
	07/20/10	4016.20	96.43		0.00	0.00	96.43	3919.77
	08/11/10	4016.20	96.46		0.00	0.00	96.46	3919.74
	09/21/10	4016.20	96.32		0.00	0.00	96.32	3919.88
	10/20/10	4016.20	96.45		0.00	0.00	96.45	3919.75
	11/08/10	4016.20	96.33		0.00	0.00	96.33	3919.87
	12/07/10	4016.20	96.36		0.00	0.00	96.36	3919.84
	01/18/11	4016.20	96.35		0.00	0.00	96.35	3919.85
	02/08/11	4016.20	96.18		0.00	0.00	96.18	3920.02
	03/08/11	4016.20	96.17		0.00	0.00	96.17	3920.03
	04/13/11	4016.20	96.32		0.00	0.00	96.32	3919.88
	05/23/11	4016.20	96.26		0.00	0.00	96.26	3919.94
	06/28/11	4016.20	96.46		0.00	0.00	96.46	3919.74
	07/19/11	4016.20	96.35		0.00	0.00	96.35	3919.85
	08/31/11	4016.20	96.24		0.00	0.00	96.24	3919.96
	09/27/11	4016.20	96.33		0.00	0.00	96.33	3919.87
	10/24/11	4016.20	96.30		0.00	0.00	96.30	3919.90
	11/29/11	4016.20	96.40		0.00	0.00	96.40	3919.80
	12/23/11	4016.20	96.29		0.00	0.00	96.29	3919.91

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	01/31/12	4016.20	96.19		0.00	0.00	96.19	3920.01
	02/29/12	4016.20	96.23		0.00	0.00	96.23	3919.97
	03/27/12	4016.20	96.21		0.00	0.00	96.21	3919.99
	04/18/12	4016.20	96.24		0.00	0.00	96.24	3919.96
	05/21/12	4016.20	96.41		0.00	0.00	96.41	3919.79
	07/17/12	4016.20	96.29		0.00	0.00	96.29	3919.91
	08/21/12	4016.20	96.24		0.00	0.00	96.24	3919.96
	09/17/12	4016.20	96.12		0.00	0.00	96.12	3920.08
	12/13/12	4016.20	96.48		0.00	0.00	96.48	3919.72
MW-5	05/23/01	4009.42	90.38		0.00	0.00	90.38	3919.04
	05/24/01	4009.42	90.20		0.00	0.00	90.20	3919.22
	12/13/01	4009.42	90.25		0.00	0.00	90.25	3919.17
	03/22/02	4009.42	90.24	90.22	0.02	0.02	90.22	3919.20
	09/16/02	4009.42	90.98	90.66	0.32	0.26	90.72	3918.70
	09/20/02	4009.42	90.88	90.59	0.29	0.23	90.65	3918.77
	04/05/04	4009.42	92.00	91.82	0.18	0.14	91.86	3917.56
	05/17/04	4009.42	92.10	91.91	0.19	0.15	91.95	3917.47
	05/24/04	4009.42	92.03	91.84	0.19	0.15	91.88	3917.54
	06/01/04	4009.42	92.10	91.91	0.19	0.15	91.95	3917.47
	06/07/04	4009.42	91.99	91.86	0.13	0.10	91.89	3917.53
	06/15/04	4009.42	92.12	91.94	0.18	0.14	91.98	3917.44
	06/21/04	4009.42	92.11	91.95	0.16	0.13	91.98	3917.44
	06/28/04	4009.42	92.33	92.15	0.18	0.14	92.19	3917.23
	07/06/04	4009.42	92.24	92.04	0.20	0.16	92.08	3917.34
	07/12/04	4009.42	92.31	92.12	0.19	0.15	92.16	3917.26
	07/19/04	4009.42	92.27	92.08	0.19	0.15	92.12	3917.30
	07/26/04	4009.42	92.39	92.19	0.20	0.16	92.23	3917.19
	08/02/04	4009.42	92.33	92.13	0.20	0.16	92.17	3917.25
	08/10/04	4009.42	92.40	92.21	0.19	0.15	92.25	3917.17
	08/16/04	4009.42	92.42	92.22	0.20	0.16	92.26	3917.16
	08/23/04	4009.42	92.15	92.02	0.13	0.10	92.05	3917.37
	08/30/04	4009.42	92.44	92.26	0.18	0.14	92.30	3917.12
	09/08/04	4009.42	92.44	92.24	0.20	0.16	92.28	3917.14
	10/08/04	4009.42	92.43	92.27	0.16	0.13	92.30	3917.12
	12/30/04	4009.42	92.41	92.34	0.07	0.06	92.35	3917.07
	01/17/05	4009.42	92.65	92.57	0.08	0.06	92.59	3916.83
	02/09/05	4009.42	92.61	92.57	0.04	0.03	92.58	3916.84
	03/09/05	4009.42	92.65	92.63	0.02	0.02	92.63	3916.79
	04/05/05	4009.42	92.38		0.00	0.00	92.38	3917.04
	05/10/05	4009.42	92.40		0.00	0.00	92.40	3917.02
	06/08/05	4009.42	92.54		0.00	0.00	92.54	3916.88
	07/05/05	4009.42	92.78		0.00	0.00	92.78	3916.64
	08/08/05	4009.42	92.65		0.00	0.00	92.65	3916.77
	09/14/05	4009.42	92.61	92.61	0.00	0.00	92.61	3916.81
	10/12/05	4009.42	92.70		0.00	0.00	92.70	3916.72
	11/09/05	4009.42	92.75		0.00	0.00	92.75	3916.67
	12/14/05	4009.42	92.56		0.00	0.00	92.56	3916.86
	01/12/06	4009.42	92.38		0.00	0.00	92.38	3917.04
	02/02/06	4009.42	92.38	92.38	0.00	0.00	92.38	3917.04
	03/07/06	4009.42	92.43		0.00	0.00	92.43	3916.99
	04/05/06	4009.42	92.32		0.00	0.00	92.32	3917.10
	05/08/06	4009.42	92.26		0.00	0.00	92.26	3917.16

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	06/05/06	4009.42	92.30	92.30	0.00	0.00	92.30	3917.12
	07/11/06	4009.42	92.33	92.33	0.00	0.00	92.33	3917.09
	08/16/06	4009.42	92.41		0.00	0.00	92.41	3917.01
	09/07/06	4009.42	92.83		0.00	0.00	92.83	3916.59
	10/11/06	4009.42	92.36	92.36	0.00	0.00	92.36	3917.06
	11/08/06	4009.42	92.25	92.24	0.01	0.01	92.24	3917.18
	12/04/06	4009.42	92.75	92.75	0.00	0.00	92.75	3916.67
	01/04/07	4009.42	92.26		0.00	0.00	92.26	3917.16
	02/27/07	4009.42	92.35	92.35	0.00	0.00	92.35	3917.07
	03/20/07	4009.42	92.51	92.51	0.00	0.00	92.51	3916.91
	04/17/07	4009.42	92.32	92.32	0.00	0.00	92.32	3917.10
	05/07/07	4009.42	92.56	92.56	0.00	0.00	92.56	3916.86
	06/27/07	4009.42	92.39		0.00	0.00	92.39	3917.03
	07/17/07	4009.42	92.32		0.00	0.00	92.32	3917.10
	08/21/07	4009.42	92.24		0.00	0.00	92.24	3917.18
	09/17/07	4009.42	92.26		0.00	0.00	92.26	3917.16
	10/16/07	4009.42	92.23		0.00	0.00	92.23	3917.19
	11/20/07	4009.42	92.28		0.00	0.00	92.28	3917.14
	12/21/07	4009.42	92.21		0.00	0.00	92.21	3917.21
	01/22/08	4009.42	91.88		0.00	0.00	91.88	3917.54
	02/27/08	4009.42	92.36		0.00	0.00	92.36	3917.06
	03/25/08	4009.42	92.20		0.00	0.00	92.20	3917.22
	04/29/08	4009.42	92.11		0.00	0.00	92.11	3917.31
	05/05/08	4009.42	92.08		0.00	0.00	92.08	3917.34
	06/10/08	4009.42	92.22	91.98	0.24	0.19	92.03	3917.39
	07/15/08	4009.42	92.11	91.88	0.23	0.18	91.93	3917.49
	08/19/08	4009.42	92.00	91.81	0.19	0.15	91.85	3917.57
	09/16/08	4009.42	92.15	91.95	0.20	0.16	91.99	3917.43
	10/15/08	4009.42	92.03	91.85	0.18	0.14	91.89	3917.53
	11/12/08	4009.42	91.76	91.64	0.12	0.10	91.66	3917.76
	12/11/08	4009.42	91.78	91.75	0.03	0.02	91.76	3917.66
	01/13/09	4009.42	91.98	91.86	0.12	0.10	91.88	3917.54
	02/11/09	4009.42	91.71	91.65	0.06	0.05	91.66	3917.76
	03/10/09	4009.42	91.50	91.46	0.04	0.03	91.47	3917.95
	04/13/09	4009.42	91.52		0.00	0.00	91.52	3917.90
	05/01/09	4009.42	91.35		0.00	0.00	91.35	3918.07
	06/08/09	4009.42	91.21		0.00	0.00	91.21	3918.21
	07/13/09	4009.42	91.26		0.00	0.00	91.26	3918.16
	08/10/09	4009.42	91.30		0.00	0.00	91.30	3918.12
	09/15/09	4009.42	91.15		0.00	0.00	91.15	3918.27
	10/06/09	4009.42	91.15		0.00	0.00	91.15	3918.27
	11/09/09	4009.42	91.35		0.00	0.00	91.35	3918.07
	12/23/09	4009.42	90.89		0.00	0.00	90.89	3918.53
	01/20/10	4009.42	90.87		0.00	0.00	90.87	3918.55
	02/09/10	4009.42	91.45		0.00	0.00	91.45	3917.97
	03/09/10	4009.42	91.04		0.00	0.00	91.04	3918.38
	04/12/10	4009.42	91.32		0.00	0.00	91.32	3918.10
	05/24/10	4009.42	91.18		0.00	0.00	91.18	3918.24
	06/14/10	4009.42	91.25	91.24	0.01	0.01	91.24	3918.18
	07/20/10	4009.42	91.31	91.30	0.01	0.01	91.30	3918.12
	08/11/10	4009.42	91.38	91.36	0.02	0.02	91.36	3918.06
	09/21/10	4009.42	91.24		0.00	0.00	91.24	3918.18

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	11/08/10	4009.42	91.27		0.00	0.00	91.27	3918.15
	12/07/10	4009.42	91.38		0.00	0.00	91.38	3918.04
	01/18/11	4009.42	91.48		0.00	0.00	91.48	3917.94
	02/08/11	4009.42	91.23		0.00	0.00	91.23	3918.19
	03/08/11	4009.42	91.31		0.00	0.00	91.31	3918.11
	04/13/11	4009.42	91.49		0.00	0.00	91.49	3917.93
	05/23/11	4009.42	91.48		0.00	0.00	91.48	3917.94
	06/28/11	4009.42	91.86	91.68	0.18	0.14	91.72	3917.70
	07/19/11	4009.42	91.72	91.55	0.17	0.14	91.58	3917.84
	08/31/11	4009.42	93.62	93.46	0.16	0.13	93.49	3915.93
	09/27/11	4009.42	93.62	93.48	0.14	0.11	93.51	3915.91
	10/24/11	4009.42	93.69	93.56	0.13	0.10	93.59	3915.83
	11/29/11	4009.42	93.82	93.75	0.07	0.06	93.76	3915.66
	12/23/11	4009.42	93.81	93.74	0.07	0.06	93.75	3915.67
	01/31/12	4009.42	93.63	93.54	0.09	0.07	93.56	3915.86
	02/29/12	4009.42	93.65	93.60	0.05	0.04	93.61	3915.81
	03/27/12	4009.42	NM					
	04/18/12	4009.42	93.93		0.00	0.00	93.93	3915.49
	05/21/12	4009.42	94.06		0.00	0.00	94.06	3915.36
	07/17/12	4009.42	93.90	93.89	0.01	0.01	93.89	3915.53
	08/21/12	4009.42	94.03		0.00	0.00	94.03	3915.39
	09/17/12	4009.42	93.95		0.00	0.00	93.95	3915.47
	12/13/12	4009.42	NM					
MW-7	05/24/01	4002.94	75.38		0.00	0.00	75.38	3927.56
	02/06/02	4002.94	76.62	69.86	6.76	5.41	71.21	3931.73
	02/20/02	4002.94	76.16	69.92	6.24	4.99	71.17	3931.77
	02/28/02	4002.94	75.74	69.89	5.85	4.68	71.06	3931.88
	03/22/02	4002.94	76.40	70.07	6.33	5.06	71.34	3931.60
	09/16/02	4002.94	76.56	70.51	6.05	4.84	71.72	3931.22
	09/20/02	4002.94	76.08	70.23	5.85	4.68	71.40	3931.54
	12/20/02	4002.94	75.09	70.98	4.11	3.29	71.80	3931.14
	01/21/03	4002.94	75.43	71.11	4.32	3.46	71.97	3930.97
	01/22/03	4002.94	75.44	70.97	4.47	3.58	71.86	3931.08
	01/29/03	4002.94	75.47	71.04	4.43	3.54	71.93	3931.01
	02/10/03	4002.94	75.53	71.00	4.53	3.62	71.91	3931.03
	02/17/03	4002.94	75.40	70.92	4.48	3.58	71.82	3931.12
	03/20/03	4002.94	75.51	70.91	4.60	3.68	71.83	3931.11
	03/27/03	4002.94	75.09	70.64	4.45	3.56	71.53	3931.41
	04/08/03	4002.94	76.09	71.41	4.68	3.74	72.35	3930.59
	04/16/03	4002.94	75.52	70.87	4.65	3.72	71.80	3931.14
	04/23/03	4002.94	75.31	70.69	4.62	3.70	71.61	3931.33
	04/30/03	4002.94	75.44	70.84	4.60	3.68	71.76	3931.18
	05/13/03	4002.94	75.66	71.02	4.64	3.71	71.95	3930.99
	05/19/03	4002.94	75.63	71.00	4.63	3.70	71.93	3931.01
	05/28/03	4002.94	75.95	71.33	4.62	3.70	72.25	3930.69
	06/04/03	4002.94	75.44	70.85	4.59	3.67	71.77	3931.17
	06/18/03	4002.94	75.64	71.10	4.54	3.63	72.01	3930.93
	08/28/03	4002.94	76.02	71.13	4.89	3.91	72.11	3930.83
	09/24/03	4002.94	76.17	71.42	4.75	3.80	72.37	3930.57
	04/05/04	4002.94	76.05	71.64	4.41	3.53	72.52	3930.42
	05/17/04	4002.94	87.40	72.50	14.90	11.92	75.48	3927.46
	05/24/04	4002.94	91.11	75.30	15.81	12.65	78.46	3924.48

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	06/01/04	4002.94	85.60	73.17	12.43	9.94	75.66	3927.28
	06/07/04	4002.94	85.50	73.11	12.39	9.91	75.59	3927.35
	06/15/04	4002.94	79.80	73.18	6.62	5.30	74.50	3928.44
	06/21/04	4002.94	85.15	73.41	11.74	9.39	75.76	3927.18
	06/28/04	4002.94	84.98	73.51	11.47	9.18	75.80	3927.14
	07/06/04	4002.94	85.13	73.52	11.61	9.29	75.84	3927.10
	07/12/04	4002.94	85.16	73.66	11.50	9.20	75.96	3926.98
	07/19/04	4002.94	85.31	73.74	11.57	9.26	76.05	3926.89
	07/26/04	4002.94	85.27	73.76	11.51	9.21	76.06	3926.88
	08/02/04	4002.94	85.43	73.87	11.56	9.25	76.18	3926.76
	08/16/04	4002.94	85.06	73.68	11.38	9.10	75.96	3926.98
	08/23/04	4002.94	85.21	73.75	11.46	9.17	76.04	3926.90
	08/30/04	4002.94	85.41	73.93	11.48	9.18	76.23	3926.71
	09/08/04	4002.94	84.70	73.79	10.91	8.73	75.97	3926.97
	10/08/04	4002.94	84.10	73.91	10.19	8.15	75.95	3926.99
	12/30/04	4002.94	81.78	74.50	7.28	5.82	75.96	3926.98
	01/17/05	4002.94	77.57	74.56	3.01	2.41	75.16	3927.78
	02/09/05	4002.94	78.77	75.46	3.31	2.65	76.12	3926.82
	03/09/05	4002.94	78.68	75.41	3.27	2.62	76.06	3926.88
	04/05/05	4002.94	78.36	75.12	3.24	2.59	75.77	3927.17
	05/10/05	4002.94	78.19	75.02	3.17	2.54	75.65	3927.29
	06/08/05	4002.94	76.62	75.67	0.95	0.76	75.86	3927.08
	07/05/05	4002.94	76.88	75.77	1.11	0.89	75.99	3926.95
	08/08/05	4002.94	76.63	75.64	0.99	0.79	75.84	3927.10
	09/14/05	4002.94	75.05	73.91	1.14	0.91	74.14	3928.80
	10/12/05	4002.94	76.10	73.28	2.82	2.26	73.84	3929.10
	11/09/05	4002.94	75.99	73.21	2.78	2.22	73.77	3929.17
	12/14/05	4002.94	76.19	73.46	2.73	2.18	74.01	3928.93
	01/12/06	4002.94	75.34	72.93	2.41	1.93	73.41	3929.53
	02/02/06	4002.94	77.39	73.33	4.06	3.25	74.14	3928.80
	03/07/06	4002.94	75.82	74.50	1.32	1.06	74.76	3928.18
	04/05/06	4002.94	79.32	74.81	4.51	3.61	75.71	3927.23
	05/08/06	4002.94	78.81	74.34	4.47	3.58	75.23	3927.71
	06/05/06	4002.94	78.75	74.18	4.57	3.66	75.09	3927.85
	07/11/06	4002.94	75.31	75.31	0.00	0.00	75.31	3927.63
	08/16/06	4002.94	74.67	72.31	2.36	1.89	72.78	3930.16
	08/30/06	4002.94	74.56	72.58	1.98	1.58	72.98	3929.96
	09/07/06	4002.94	74.83	74.83	0.00	0.00	74.83	3928.11
	10/11/06	4002.94	75.02	74.96	0.06	0.05	74.97	3927.97
	11/08/06	4002.94	74.13		0.00	0.00	74.13	3928.81
	12/04/06	4002.94	75.08	74.83	0.25	0.20	74.88	3928.06
	01/04/07	4002.94	74.22	73.99	0.23	0.18	74.04	3928.90
	02/27/07	4002.94	73.95	73.63	0.32	0.26	73.69	3929.25
	03/20/07	4002.94	76.23	75.83	0.40	0.32	75.91	3927.03
	04/17/07	4002.94	76.96		0.00	0.00	76.96	3925.98
	05/07/07	4002.94	74.76		0.00	0.00	74.76	3928.18
	06/27/07	4002.94	74.71		0.00	0.00	74.71	3928.23
	07/17/07	4002.94	74.56		0.00	0.00	74.56	3928.38
	08/21/07	4002.94	74.51		0.00	0.00	74.51	3928.43
	09/17/07	4002.94	74.43		0.00	0.00	74.43	3928.51
	10/16/07	4002.94	74.40	74.39	0.01	0.01	74.39	3928.55
	11/20/07	4002.94	74.35	74.33	0.02	0.02	74.33	3928.61

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	12/21/07	4002.95	73.85	73.76	0.09	0.07	73.78	3929.17
	01/22/08	4002.95	73.58	73.56	0.02	0.02	73.56	3929.39
	02/27/08	4002.95	73.02		0.00	0.00	73.02	3929.93
	03/25/08	4002.95	74.12	74.08	0.04	0.03	74.09	3928.86
	04/29/08	4002.95	74.21	74.19	0.02	0.02	74.19	3928.76
	05/05/08	4002.95	74.23	74.21	0.02	0.02	74.21	3928.74
	06/10/08	4002.95	74.27	74.25	0.02	0.02	74.25	3928.70
	07/15/08	4002.95	73.83	73.79	0.04	0.03	73.80	3929.15
	08/19/08	4002.95	72.31		0.00	0.00	72.31	3930.64
	09/16/08	4002.95	72.42		0.00	0.00	72.42	3930.53
	10/15/08	4002.95	72.65	72.64	0.01	0.01	72.64	3930.31
	11/12/08	4002.95	72.26		0.00	0.00	72.26	3930.69
	12/11/08	4002.95	73.60		0.00	0.00	73.60	3929.35
	01/13/09	4002.95	73.81		0.00	0.00	73.81	3929.14
	02/11/09	4002.95	73.61		0.00	0.00	73.61	3929.34
	03/10/09	4002.95	73.41		0.00	0.00	73.41	3929.54
	04/13/09	4002.95	73.52		0.00	0.00	73.52	3929.43
	05/01/09	4002.95	73.31		0.00	0.00	73.31	3929.64
	06/08/09	4002.95	74.11	73.09	1.02	0.82	73.29	3929.66
	07/13/09	4002.95	76.65	72.72	3.93	3.14	73.51	3929.44
	08/10/09	4002.95	76.61	72.91	3.70	2.96	73.65	3929.30
	09/15/09	4002.95	75.24	73.09	2.15	1.72	73.52	3929.43
	10/06/09	4002.95	76.54	72.70	3.84	3.07	73.47	3929.48
	11/09/09	4002.95	73.65	72.70	0.95	0.76	72.89	3930.06
	12/23/09	4002.95	76.60	71.80	4.80	3.84	72.76	3930.19
	01/20/10	4002.95	77.50	71.91	5.59	4.47	73.03	3929.92
	02/09/10	4002.95	75.92		0.00		75.92	3927.03
	03/09/10	4002.95	80.35	72.27	8.08	6.46	73.89	3929.06
	04/12/10	4002.95	77.00		0.00	0.00	77.00	3925.95
	05/24/10	4002.95	78.03	71.92	6.11	4.89	73.14	3929.81
	06/14/10	4002.95	77.07	72.71	4.36	3.49	73.58	3929.37
	07/20/10	4002.95	76.39	73.15	3.24	2.59	73.80	3929.15
	08/11/10	4002.95	76.82	73.15	3.67	2.94	73.88	3929.07
	08/18/10	4002.95	76.90	72.91	3.99	3.19	73.71	3929.24
	09/21/10	4002.95	77.56	72.57	4.99	3.99	73.57	3929.38
	09/28/10	4002.95	75.06	73.15	1.91	1.53	73.53	3929.42
	10/20/10	4002.95	74.21	73.65	0.56	0.45	73.76	3929.19
	11/08/10	4002.95	74.95	73.45	1.50	1.20	73.75	3929.20
	12/07/10	4002.95	74.50	74.05	0.45	0.36	74.14	3928.81
	01/18/11	4002.95	75.77		0.00	0.00	75.77	3927.18
	02/08/11	4002.95	NM					
	03/08/11	4002.95	72.93	72.11	0.82	0.66	72.27	3930.68
	04/13/11	4002.95	72.81	72.05	0.76	0.61	72.20	3930.75
	05/23/11	4002.95	72.64	71.92	0.72	0.58	72.06	3930.89
	06/28/11	4002.95	78.75	73.90	4.85	3.88	74.87	3928.08
	07/19/11	4002.95	79.42	73.79	5.63	4.50	74.92	3928.03
	08/31/11	4002.95	80.65	74.38	6.27	5.02	75.63	3927.32
	09/27/11	4002.95	80.77	73.81	6.96	5.57	75.20	3927.75
	10/24/11	4002.95	77.02	72.65	4.37	3.50	73.52	3929.43
	11/29/11	4002.95	80.73	73.95	6.78	5.42	75.31	3927.64
	12/23/11	4002.95	76.69		0.00		76.69	3926.26
	01/31/12	4002.95	74.64		0.00	0.00	74.64	3928.31

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	02/29/12	4002.95	75.49	75.48	0.01	0.01	75.48	3927.47
	03/27/12	4002.95	75.42	75.37	0.05	0.04	75.38	3927.57
	04/18/12	4002.95	75.61	75.55	0.06	0.05	75.56	3927.39
	05/21/12	4002.95	75.91	75.83	0.08	0.06	75.85	3927.10
	07/17/12	4002.95	75.04	72.62	2.42	1.94	73.10	3929.85
	08/21/12	4002.95	74.86	72.50	2.36	1.89	72.97	3929.98
	09/17/12	4002.95	74.78	72.60	2.18	1.74	73.04	3929.91
	12/13/12	4002.95	74.87	72.88	1.99	1.59	73.28	3929.67
MW-8	05/23/01	4000.72	77.00		0.00	0.00	77.00	3923.72
	05/24/01	4000.72	76.10		0.00	0.00	76.10	3924.62
	06/29/01	4000.72	76.12		0.00	0.00	76.12	3924.60
	12/13/01	4000.72	76.43		0.00	0.00	76.43	3924.29
	02/28/02	4000.72	76.40		0.00	0.00	76.40	3924.32
	03/22/02	4000.72	76.90		0.00	0.00	76.90	3923.82
	09/16/02	4000.72	77.02		0.00	0.00	77.02	3923.70
	09/20/02	4000.72	76.85		0.00	0.00	76.85	3923.87
	09/04/03	4000.72	77.82		0.00	0.00	77.82	3922.90
	04/05/04	4000.72	78.04		0.00	0.00	78.04	3922.68
	05/17/04	4000.72	78.08		0.00	0.00	78.08	3922.64
	05/24/04	4000.72	78.07		0.00	0.00	78.07	3922.65
	06/01/04	4000.72	78.17		0.00	0.00	78.17	3922.55
	06/07/04	4000.72	78.14		0.00	0.00	78.14	3922.58
	06/15/04	4000.72	78.29		0.00	0.00	78.29	3922.43
	06/21/04	4000.72	78.31		0.00	0.00	78.31	3922.41
	06/28/04	4000.72	78.65		0.00	0.00	78.65	3922.07
	07/06/04	4000.72	78.49		0.00	0.00	78.49	3922.23
	07/12/04	4000.72	78.61		0.00	0.00	78.61	3922.11
	07/19/04	4000.72	78.57		0.00	0.00	78.57	3922.15
	07/26/04	4000.72	78.79		0.00	0.00	78.79	3921.93
	08/02/04	4000.72	78.65		0.00	0.00	78.65	3922.07
	08/10/04	4000.72	78.79		0.00	0.00	78.79	3921.93
	08/16/04	4000.72	78.78		0.00	0.00	78.78	3921.94
	08/23/04	4000.72	78.53		0.00	0.00	78.53	3922.19
	08/30/04	4000.72	78.77		0.00	0.00	78.77	3921.95
	09/08/04	4000.72	78.87		0.00	0.00	78.87	3921.85
	10/08/04	4000.72	78.87		0.00	0.00	78.87	3921.85
	12/30/04	4000.72	78.91		0.00	0.00	78.91	3921.81
	01/17/05	4000.72	79.27		0.00	0.00	79.27	3921.45
	02/09/05	4000.72	79.15		0.00	0.00	79.15	3921.57
	03/09/05	4000.72	79.18		0.00	0.00	79.18	3921.54
	04/05/05	4000.72	78.84		0.00	0.00	78.84	3921.88
	05/10/05	4000.72	78.87		0.00	0.00	78.87	3921.85
	06/08/05	4000.72	79.11	78.82	0.29	0.23	78.88	3921.84
	07/05/05	4000.72	79.05	79.01	0.04	0.03	79.02	3921.70
	08/08/05	4000.72	79.69	78.82	0.87	0.70	78.99	3921.73
	09/14/05	4000.72	79.69	78.61	1.08	0.86	78.83	3921.89
	10/12/05	4000.72	79.73	78.66	1.07	0.86	78.87	3921.85
	11/09/05	4000.72	79.72	78.72	1.00	0.80	78.92	3921.80
	12/14/05	4000.72	79.47	78.51	0.96	0.77	78.70	3922.02
	01/12/06	4000.72	79.21	78.31	0.90	0.72	78.49	3922.23
	02/02/06	4000.72	79.13	78.27	0.86	0.69	78.44	3922.28
	03/07/06	4000.72	79.29	78.48	0.81	0.65	78.64	3922.08

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	04/05/06	4000.72	79.17	78.48	0.69	0.55	78.62	3922.10
	05/08/06	4000.72	79.15	78.40	0.75	0.60	78.55	3922.17
	06/05/06	4000.72	79.22	78.52	0.70	0.56	78.66	3922.06
	07/11/06	4000.72	79.23	78.56	0.67	0.54	78.69	3922.03
	08/16/06	4000.72	79.16	78.54	0.62	0.50	78.66	3922.06
	09/07/06	4000.72	78.96	78.36	0.60	0.48	78.48	3922.24
	10/11/06	4000.72	78.94	78.36	0.58	0.46	78.48	3922.24
	11/08/06	4000.72	78.78	78.20	0.58	0.46	78.32	3922.40
	12/04/06	4000.72	79.37	78.83	0.54	0.43	78.94	3921.78
	01/04/07	4000.72	78.61	78.09	0.52	0.42	78.19	3922.53
	02/27/07	4000.72	78.53	78.05	0.48	0.38	78.15	3922.57
	03/20/07	4000.72	78.79	78.32	0.47	0.38	78.41	3922.31
	04/17/07	4000.72	78.69	78.24	0.45	0.36	78.33	3922.39
	05/07/07	4000.72	78.91	78.46	0.45	0.36	78.55	3922.17
	06/27/07	4000.72	78.73	78.32	0.41	0.33	78.40	3922.32
	07/19/07	4000.72	78.61	78.22	0.39	0.31	78.30	3922.42
	08/21/07	4000.72	78.51	78.13	0.38	0.30	78.21	3922.51
	09/17/07	4000.72	78.53	78.16	0.37	0.30	78.23	3922.49
	10/16/07	4000.72	78.42	78.07	0.35	0.28	78.14	3922.58
	11/20/07	4000.72	78.47	78.14	0.33	0.26	78.21	3922.51
	12/21/07	4000.72	78.24	77.92	0.32	0.26	77.98	3922.74
	01/22/08	4000.72	78.64	78.34	0.30	0.24	78.40	3922.32
	02/27/08	4000.72	78.43	78.14	0.29	0.23	78.20	3922.52
	03/25/08	4000.72	78.22	77.92	0.30	0.24	77.98	3922.74
	04/29/08	4000.72	78.19	77.91	0.28	0.22	77.97	3922.75
	05/05/08	4000.72	78.14	77.87	0.27	0.22	77.92	3922.80
	06/10/08	4000.72	78.11	77.85	0.26	0.21	77.90	3922.82
	07/15/08	4000.72	78.08	77.82	0.26	0.21	77.87	3922.85
	08/19/08	4000.72	77.96	77.71	0.25	0.20	77.76	3922.96
	09/16/08	4000.72	78.18	77.94	0.24	0.19	77.99	3922.73
	10/15/08	4000.72	78.06	77.83	0.23	0.18	77.88	3922.84
	11/12/08	4000.72	77.76	77.54	0.22	0.18	77.58	3923.14
	12/11/08	4000.72	77.98	77.77	0.21	0.17	77.81	3922.91
	01/13/09	4000.72	78.20	78.00	0.20	0.16	78.04	3922.68
	02/11/09	4000.72	77.84	77.66	0.18	0.14	77.70	3923.02
	03/10/09	4000.72	77.64	77.46	0.18	0.14	77.50	3923.22
	04/13/09	4000.72	77.78	77.60	0.18	0.14	77.64	3923.08
	05/01/09	4000.72	77.61	77.44	0.17	0.14	77.47	3923.25
	06/08/09	4000.72	77.49	77.32	0.17	0.14	77.35	3923.37
	07/13/09	4000.72	77.61	77.45	0.16	0.13	77.48	3923.24
	08/10/09	4000.72	77.60	77.45	0.15	0.12	77.48	3923.24
	09/15/09	4000.72	77.37	77.22	0.15	0.12	77.25	3923.47
	10/06/09	4000.72	77.25	77.11	0.14	0.11	77.14	3923.58
	11/09/09	4000.72	77.47	77.32	0.15	0.12	77.35	3923.37
	12/23/09	4000.72	76.90	76.78	0.12	0.10	76.80	3923.92
	01/20/10	4000.72	76.84	76.71	0.13	0.10	76.74	3923.98
	02/09/10	4000.72	77.46	77.24	0.22	0.18	77.28	3923.44
	03/09/10	4000.72	77.07	76.94	0.13	0.10	76.97	3923.75
	04/12/10	4000.72	77.40	77.27	0.13	0.10	77.30	3923.42
	05/24/10	4000.72	77.19	77.08	0.11	0.09	77.10	3923.62
	06/14/10	4000.72	77.27	77.22	0.05	0.04	77.23	3923.49
	07/20/10	4000.72	77.40	77.30	0.10	0.08	77.32	3923.40

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	08/11/10	4000.72	77.42	77.32	0.10	0.08	77.34	3923.38
	09/21/10	4000.72	77.25	77.16	0.09	0.07	77.18	3923.54
	10/20/10	4000.72	77.38	71.30	6.08	4.86	72.52	3928.20
	11/08/10	4000.72	77.20	77.11	0.09	0.07	77.13	3923.59
	12/07/10	4000.72	77.22	77.14	0.08	0.06	77.16	3923.56
	01/18/11	4000.72	77.15	77.06	0.09	0.07	77.08	3923.64
	02/08/11	4000.72	NM					
	03/08/11	4000.72	76.75	76.65	0.10	0.08	76.67	3924.05
	04/13/11	4000.72	76.82	76.75	0.07	0.06	76.76	3923.96
	05/23/11	4000.72	76.75	76.67	0.08	0.06	76.69	3924.03
	06/28/11	4000.72	77.22	77.15	0.07	0.06	77.16	3923.56
	07/19/11	4000.72	77.22	77.15	0.07	0.06	77.16	3923.56
	08/31/11	4000.72	77.27	77.22	0.05	0.04	77.23	3923.49
	09/27/11	4000.72	77.41	77.31	0.10	0.08	77.33	3923.39
	10/24/11	4000.72	77.60	77.55	0.05	0.04	77.56	3923.16
	11/29/11	4000.72	77.85	77.81	0.04	0.03	77.82	3922.90
	12/23/11	4000.72	77.75	77.72	0.03	0.02	77.73	3922.99
	01/31/12	4000.72	77.79	77.71	0.08	0.06	77.73	3922.99
	02/29/12	4000.72	77.92	77.88	0.04	0.03	77.89	3922.83
	03/27/12	4000.72	77.98		0.00	0.00	77.98	3922.74
	04/18/12	4000.72	78.08		0.00	0.00	78.08	3922.64
	05/21/12	4000.72	78.39		0.00	0.00	78.39	3922.33
	07/17/12	4000.72	78.10		0.00	0.00	78.10	3922.62
	08/21/12	4000.72	78.17	78.15	0.02	0.02	78.15	3922.57
	09/17/12	4000.72	78.06		0.00	0.00	78.06	3922.66
	12/13/12	4000.72	78.33		0.00	0.00	78.33	3922.39
MW-9	05/23/01	4003.11	83.00		0.00	0.00	83.00	3920.11
	05/24/01	4003.11	83.63		0.00	0.00	83.63	3919.48
	06/29/01	4003.11	83.55		0.00	0.00	83.55	3919.56
	12/13/01	4003.11	83.91		0.00	0.00	83.91	3919.20
	03/22/02	4003.11	84.08		0.00	0.00	84.08	3919.03
	09/16/02	4003.11	84.44		0.00	0.00	84.44	3918.67
	09/20/02	4003.11	84.44		0.00	0.00	84.44	3918.67
	04/05/04	4003.11	84.58		0.00	0.00	84.58	3918.53
	05/17/04	4003.11	89.30	84.65	4.65	3.72	85.58	3917.53
	05/24/04	4003.11	89.29	84.57	4.72	3.78	85.51	3917.60
	06/01/04	4003.11	89.31	84.67	4.64	3.71	85.60	3917.51
	06/07/04	4003.11	89.29	84.59	4.70	3.76	85.53	3917.58
	06/15/04	4003.11	89.37	84.70	4.67	3.74	85.63	3917.48
	06/21/04	4003.11	89.38	84.69	4.69	3.75	85.63	3917.48
	06/28/04	4003.11	89.51	84.92	4.59	3.67	85.84	3917.27
	07/06/04	4003.11	89.42	84.83	4.59	3.67	85.75	3917.36
	07/12/04	4003.11	89.51	84.89	4.62	3.70	85.81	3917.30
	07/19/04	4003.11	89.47	84.86	4.61	3.69	85.78	3917.33
	07/26/04	4003.11	89.58	85.00	4.58	3.66	85.92	3917.19
	08/02/04	4003.11	89.44	84.93	4.51	3.61	85.83	3917.28
	08/10/04	4003.11	89.53	85.10	4.43	3.54	85.99	3917.12
	08/16/04	4003.11	89.50	85.03	4.47	3.58	85.92	3917.19
	08/23/04	4003.11	89.27	84.87	4.40	3.52	85.75	3917.36
	08/30/04	4003.11	89.45	85.17	4.28	3.42	86.03	3917.08
	09/08/04	4003.11	89.48	85.12	4.36	3.49	85.99	3917.12
	10/08/04	4003.11	89.39	85.14	4.25	3.40	85.99	3917.12

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	12/30/04	4003.11	89.24	85.25	3.99	3.19	86.05	3917.06
	01/17/05	4003.11	89.59	85.47	4.12	3.30	86.29	3916.82
	03/09/05	4003.11	89.58	85.47	4.11	3.29	86.29	3916.82
	04/05/05	4003.11	89.30	85.30	4.00	3.20	86.10	3917.01
	05/10/05	4003.11	89.42	85.29	4.13	3.30	86.12	3916.99
	06/08/05	4003.11	89.54	85.25	4.29	3.43	86.11	3917.00
	07/05/05	4003.11	89.72	85.53	4.19	3.35	86.37	3916.74
	08/08/05	4003.11	89.68	85.45	4.23	3.38	86.30	3916.81
	09/14/05	4003.11	89.63	85.44	4.19	3.35	86.28	3916.83
	10/12/05	4003.11	89.82	85.45	4.37	3.50	86.32	3916.79
	11/09/05	4003.11	89.88	85.47	4.41	3.53	86.35	3916.76
	12/14/05	4003.11	89.79	85.30	4.49	3.59	86.20	3916.91
	01/12/06	4003.11	89.73	85.18	4.55	3.64	86.09	3917.02
	02/02/06	4003.11	89.72	85.12	4.60	3.68	86.04	3917.07
	03/07/06	4003.11	89.84	85.22	4.62	3.70	86.14	3916.97
	04/05/06	4003.11	89.79	84.16	5.63	4.50	85.29	3917.82
	05/08/06	4003.11	89.68	85.05	4.63	3.70	85.98	3917.13
	06/05/06	4003.11	89.75	85.11	4.64	3.71	86.04	3917.07
	07/11/06	4003.11	89.75	85.13	4.62	3.70	86.05	3917.06
	08/16/06	4003.11	89.66	85.25	4.41	3.53	86.13	3916.98
	09/07/06	4003.11	89.51	85.20	4.31	3.45	86.06	3917.05
	10/11/06	4003.11	88.38	85.24	3.14	2.51	85.87	3917.24
	11/08/06	4003.11	89.26	85.15	4.11	3.29	85.97	3917.14
	12/04/06	4003.11	89.62	85.62	4.00	3.20	86.42	3916.69
	01/04/07	4003.11	89.14	85.18	3.96	3.17	85.97	3917.14
	02/27/07	4003.11	89.12	85.15	3.97	3.18	85.94	3917.17
	03/20/07	4003.11	89.11	85.32	3.79	3.03	86.08	3917.03
	04/17/07	4003.11	89.06	85.19	3.87	3.10	85.96	3917.15
	05/07/07	4003.11	89.15	85.25	3.90	3.12	86.03	3917.08
	06/27/07	4003.11	88.98	85.12	3.86	3.09	85.89	3917.22
	07/19/07	4003.11	89.01	85.04	3.97	3.18	85.83	3917.28
	08/21/07	4003.11	89.00	84.89	4.11	3.29	85.71	3917.40
	09/17/07	4003.11	88.97	84.94	4.03	3.22	85.75	3917.36
	10/16/07	4003.11	89.08	84.76	4.32	3.46	85.62	3917.49
	11/20/07	4003.11	89.10	84.77	4.33	3.46	85.64	3917.47
	12/21/07	4003.11	89.05	84.49	4.56	3.65	85.40	3917.71
	01/22/08	4003.11	89.18	84.79	4.39	3.51	85.67	3917.44
	02/27/08	4003.11	89.27	84.87	4.40	3.52	85.75	3917.36
	03/25/08	4003.11	88.02	84.89	3.13	2.50	85.52	3917.59
	04/29/08	4003.11	88.78	84.68	4.10	3.28	85.50	3917.61
	05/05/08	4003.11	88.88	84.68	4.20	3.36	85.52	3917.59
	06/10/08	4003.11	88.60	84.72	3.88	3.10	85.50	3917.61
	07/15/08	4003.11	88.15	84.50	3.65	2.92	85.23	3917.88
	08/19/08	4003.11	87.96	84.40	3.56	2.85	85.11	3918.00
	09/16/08	4003.11	87.94	84.49	3.45	2.76	85.18	3917.93
	10/15/08	4003.11	86.74	85.10	1.64	1.31	85.43	3917.68
	11/12/08	4003.11	86.13	84.95	1.18	0.94	85.19	3917.92
	12/11/08	4003.11	86.07	85.07	1.00	0.80	85.27	3917.84
	01/13/09	4003.11	86.06	85.21	0.85	0.68	85.38	3917.73
	02/11/09	4003.11	85.56	85.11	0.45	0.36	85.20	3917.91
	03/10/09	4003.11	86.22	84.62	1.60	1.28	84.94	3918.17
	04/13/09	4003.11	86.12	84.71	1.41	1.13	84.99	3918.12

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	05/01/09	4003.11	85.76	84.50	1.26	1.01	84.75	3918.36
	06/08/09	4003.11	85.51	84.55	0.96	0.77	84.74	3918.37
	07/13/09	4003.11	85.41	84.60	0.81	0.65	84.76	3918.35
	08/10/09	4003.11	85.37	84.67	0.70	0.56	84.81	3918.30
	09/15/09	4003.11	85.12	84.57	0.55	0.44	84.68	3918.43
	10/06/09	4003.11	85.04	84.57	0.47	0.38	84.66	3918.45
	11/09/09	4003.11	85.10	84.60	0.50	0.40	84.70	3918.41
	12/23/09	4003.11	84.67	84.20	0.47	0.38	84.29	3918.82
	01/20/10	4003.11	84.60	84.12	0.48	0.38	84.22	3918.89
	02/09/10	4003.11	85.06	84.66	0.40	0.32	84.74	3918.37
	03/09/10	4003.11	84.60	84.35	0.25	0.20	84.40	3918.71
	04/12/10	4003.11	84.78	84.60	0.18	0.14	84.64	3918.47
	05/24/10	4003.11	84.66	84.47	0.19	0.15	84.51	3918.60
	06/14/10	4003.11	84.64	84.57	0.07	0.06	84.58	3918.53
	07/20/10	4003.11	84.75	84.65	0.10	0.08	84.67	3918.44
	08/11/10	4003.11	84.76	84.58	0.18	0.14	84.62	3918.49
	09/21/10	4003.11	84.60	84.47	0.13	0.10	84.50	3918.61
	11/08/10	4003.11	84.65	84.51	0.14	0.11	84.54	3918.57
	12/07/10	4003.11	84.57		0.00		84.57	3918.54
	01/18/11	4003.11	84.71	84.65	0.06	0.05	84.66	3918.45
	02/08/11	4003.11	84.63	84.38	0.25	0.20	84.43	3918.68
	03/08/11	4003.11	84.65	84.47	0.18	0.14	84.51	3918.60
	04/13/11	4003.11	84.65	84.62	0.03	0.02	84.63	3918.48
	05/23/11	4003.11	84.71	84.59	0.12	0.10	84.61	3918.50
	06/28/11	4003.11	85.05	84.85	0.20	0.16	84.89	3918.22
	07/19/11	4003.11	84.98	84.73	0.25	0.20	84.78	3918.33
	08/31/11	4003.11	84.86	84.65	0.21	0.17	84.69	3918.42
	09/27/11	4003.11	84.92	84.72	0.20	0.16	84.76	3918.35
	10/24/11	4003.11	85.01	84.77	0.24	0.19	84.82	3918.29
	11/29/11	4003.11	85.20	84.97	0.23	0.18	85.02	3918.09
	12/23/11	4003.11	85.17	84.91	0.26	0.21	84.96	3918.15
	01/31/12	4003.11	85.02	84.83	0.19	0.15	84.87	3918.24
	02/29/12	4003.11	84.96	84.19	0.77	0.62	84.34	3918.77
	03/27/12	4003.11	NM					
	04/18/12	4003.11	85.19		0.00	0.00	85.19	3917.92
	05/21/12	4003.11	85.37		0.00	0.00	85.37	3917.74
	07/17/12	4003.11	85.29		0.00	0.00	85.29	3917.82
	08/21/12	4003.11	85.33		0.00	0.00	85.33	3917.78
	09/17/12	4003.11	NM					
	12/13/12	4003.11	NM					
MW-10	12/13/01	4000.47	70.39		0.00	0.00	70.39	3930.08
	03/22/02	4000.47	70.76		0.00	0.00	70.76	3929.71
	09/16/02	4000.47	70.92		0.00	0.00	70.92	3929.55
	09/20/02	4000.47	70.79		0.00	0.00	70.79	3929.68
	09/04/03	4000.47	71.69		0.00	0.00	71.69	3928.78
	04/05/04	4000.47	71.87		0.00	0.00	71.87	3928.60
	05/17/04	4000.47	71.92		0.00	0.00	71.92	3928.55
	05/24/04	4000.47	71.85		0.00	0.00	71.85	3928.62
	06/01/04	4000.47	71.90		0.00	0.00	71.90	3928.57
	06/07/04	4000.47	71.83		0.00	0.00	71.83	3928.64
	06/15/04	4000.47	71.97		0.00	0.00	71.97	3928.50
	06/21/04	4000.47	71.94		0.00	0.00	71.94	3928.53

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	06/28/04	4000.47	72.26		0.00	0.00	72.26	3928.21
	07/06/04	4000.47	72.14		0.00	0.00	72.14	3928.33
	07/12/04	4000.47	72.23		0.00	0.00	72.23	3928.24
	07/19/04	4000.47	72.19		0.00	0.00	72.19	3928.28
	07/26/04	4000.47	72.37		0.00	0.00	72.37	3928.10
	08/02/04	4000.47	72.25		0.00	0.00	72.25	3928.22
	08/10/04	4000.47	72.39		0.00	0.00	72.39	3928.08
	08/16/04	4000.47	72.36		0.00	0.00	72.36	3928.11
	08/23/04	4000.47	72.13		0.00	0.00	72.13	3928.34
	08/30/04	4000.47	72.37		0.00	0.00	72.37	3928.10
	09/08/04	4000.47	72.45		0.00	0.00	72.45	3928.02
	10/08/04	4000.47	72.45		0.00	0.00	72.45	3928.02
	12/30/04	4000.47	72.53		0.00	0.00	72.53	3927.94
	01/17/05	4000.47	72.86		0.00	0.00	72.86	3927.61
	02/09/05	4000.47	72.82		0.00	0.00	72.82	3927.65
	03/09/05	4000.47	72.86		0.00	0.00	72.86	3927.61
	04/05/05	4000.47	72.57		0.00	0.00	72.57	3927.90
	05/10/05	4000.47	72.63		0.00	0.00	72.63	3927.84
	06/08/05	4000.47	72.74		0.00	0.00	72.74	3927.73
	07/05/05	4000.47	73.01		0.00	0.00	73.01	3927.46
	08/08/05	4000.47	72.92		0.00	0.00	72.92	3927.55
	09/14/05	4000.47	72.86		0.00	0.00	72.86	3927.61
	10/12/05	4000.47	72.97		0.00	0.00	72.97	3927.50
	11/09/05	4000.47	73.04		0.00	0.00	73.04	3927.43
	12/14/05	4000.47	72.84		0.00	0.00	72.84	3927.63
	01/12/06	4000.47	72.64		0.00	0.00	72.64	3927.83
	02/02/06	4000.47	72.64		0.00	0.00	72.64	3927.83
	03/07/06	4000.47	73.75		0.00	0.00	73.75	3926.72
	04/05/06	4000.47	72.66		0.00	0.00	72.66	3927.81
	05/08/06	4000.47	72.58		0.00	0.00	72.58	3927.89
	06/05/06	4000.47	72.69		0.00	0.00	72.69	3927.78
	07/11/06	4000.47	72.74		0.00	0.00	72.74	3927.73
	08/16/06	4000.47	72.68		0.00	0.00	72.68	3927.79
	09/07/06	4000.47	72.43		0.00	0.00	72.43	3928.04
	10/11/06	4000.47	72.36		0.00	0.00	72.36	3928.11
	11/08/06	4000.47	72.17		0.00	0.00	72.17	3928.30
	12/04/06	4000.47	72.64		0.00	0.00	72.64	3927.83
	01/04/07	4000.47	71.95		0.00	0.00	71.95	3928.52
	02/27/07	4000.47	71.93		0.00	0.00	71.93	3928.54
	03/20/07	4000.47	72.09		0.00	0.00	72.09	3928.38
	04/17/07	4000.47	71.88		0.00	0.00	71.88	3928.59
	05/07/07	4000.47	72.10		0.00	0.00	72.10	3928.37
	06/27/07	4000.47	72.00		0.00	0.00	72.00	3928.47
	07/19/07	4000.47	71.89		0.00	0.00	71.89	3928.58
	08/21/07	4000.47	71.86		0.00	0.00	71.86	3928.61
	09/17/07	4000.47	71.82		0.00	0.00	71.82	3928.65
	10/16/07	4000.47	71.75		0.00	0.00	71.75	3928.72
	11/20/07	4000.47	71.79		0.00	0.00	71.79	3928.68
	12/21/07	4000.47	71.57		0.00	0.00	71.57	3928.90
	01/22/08	4000.47	72.00		0.00	0.00	72.00	3928.47
	02/27/08	4000.47	71.86		0.00	0.00	71.86	3928.61
	03/25/08	4000.47	71.69		0.00	0.00	71.69	3928.78

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	04/29/08	4000.47	71.65		0.00	0.00	71.65	3928.82
	05/05/08	4000.47	71.64		0.00	0.00	71.64	3928.83
	06/10/08	4000.47	71.66		0.00	0.00	71.66	3928.81
	07/15/08	4000.47	71.66		0.00	0.00	71.66	3928.81
	08/19/08	4000.47	71.66		0.00	0.00	71.66	3928.81
	09/16/08	4000.47	71.90		0.00	0.00	71.90	3928.57
	10/15/08	4000.47	71.84		0.00	0.00	71.84	3928.63
	11/12/08	4000.47	71.60		0.00	0.00	71.60	3928.87
	12/11/08	4000.47	71.77		0.00	0.00	71.77	3928.70
	01/13/09	4000.47	71.98		0.00	0.00	71.98	3928.49
	02/11/09	4000.47	71.73		0.00	0.00	71.73	3928.74
	03/10/09	4000.47	71.50		0.00	0.00	71.50	3928.97
	04/13/09	4000.47	71.63		0.00	0.00	71.63	3928.84
	05/01/09	4000.47	71.76		0.00	0.00	71.76	3928.71
	06/08/09	4000.47	71.36		0.00	0.00	71.36	3929.11
	07/13/09	4000.47	71.43		0.00	0.00	71.43	3929.04
	08/10/09	4000.47	71.47		0.00	0.00	71.47	3929.00
	09/15/09	4000.47	71.34		0.00	0.00	71.34	3929.13
	10/06/09	4000.47	71.29		0.00	0.00	71.29	3929.18
	11/09/09	4000.47	71.52		0.00	0.00	71.52	3928.95
	12/23/09	4000.47	71.08		0.00	0.00	71.08	3929.39
	01/20/10	4000.47	71.03		0.00	0.00	71.03	3929.44
	02/09/10	4000.47	71.60		0.00	0.00	71.60	3928.87
	03/09/10	4000.47	71.25		0.00	0.00	71.25	3929.22
	04/12/10	4000.47	71.53		0.00	0.00	71.53	3928.94
	05/24/10	4000.47	71.39		0.00	0.00	71.39	3929.08
	06/14/10	4000.47	71.51		0.00	0.00	71.51	3928.96
	07/20/10	4000.47	70.60		0.00	0.00	70.60	3929.87
	08/11/10	4000.47	71.65		0.00	0.00	71.65	3928.82
	09/21/10	4000.47	71.59		0.00	0.00	71.59	3928.88
	10/20/10	4000.47	71.78		0.00	0.00	71.78	3928.69
	11/08/10	4000.47	71.61		0.00	0.00	71.61	3928.86
	12/07/10	4000.47	71.69		0.00	0.00	71.69	3928.78
	01/18/11	4000.47	71.77		0.00	0.00	71.77	3928.70
	02/08/11	4000.47	NM					
	03/08/11	4000.47	71.57		0.00	0.00	71.57	3928.90
	04/13/11	4000.47	71.72		0.00	0.00	71.72	3928.75
	05/23/11	4000.47	71.68		0.00	0.00	71.68	3928.79
	06/28/11	4000.47	71.98		0.00	0.00	71.98	3928.49
	07/19/11	4000.47	71.90		0.00	0.00	71.90	3928.57
	08/31/11	4000.47	71.84		0.00	0.00	71.84	3928.63
	09/27/11	4000.47	71.94		0.00	0.00	71.94	3928.53
	10/24/11	4000.47	72.06		0.00	0.00	72.06	3928.41
	11/29/11	4000.47	72.26		0.00	0.00	72.26	3928.21
	12/23/11	4000.47	72.18		0.00	0.00	72.18	3928.29
	01/31/12	4000.47	72.12		0.00	0.00	72.12	3928.35
	02/29/12	4000.47	72.21					
	03/27/12	4000.47	72.26		0.00	0.00	72.26	3928.21
	04/18/12	4000.47	72.33		0.00	0.00	72.33	3928.14
	05/21/12	4000.47	72.59		0.00	0.00	72.59	3927.88
	07/17/12	4000.47	72.50		0.00	0.00	72.50	3927.97
	08/21/12	4000.47	72.52		0.00	0.00	72.52	3927.95

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	09/17/12	4000.47	72.39		0.00	0.00	72.39	3928.08
	12/13/12	4000.47	72.73		0.00	0.00	72.73	3927.74
MW-11	12/13/01	4015.54	81.38		0.00	0.00	81.38	3934.16
	03/22/02	4015.54	83.60		0.00	0.00	83.60	3931.94
	09/16/02	4015.54	83.82		0.00	0.00	83.82	3931.72
	09/20/02	4015.54	83.70		0.00	0.00	83.70	3931.84
	09/04/03	4015.54	84.50		0.00	0.00	84.50	3931.04
	04/05/04	4015.54	84.54		0.00	0.00	84.54	3931.00
	05/17/04	4015.54	84.64		0.00	0.00	84.64	3930.90
	05/24/04	4015.54	84.55		0.00	0.00	84.55	3930.99
	06/01/04	4015.54	84.61		0.00	0.00	84.61	3930.93
	06/07/04	4015.54	84.58		0.00	0.00	84.58	3930.96
	06/15/04	4015.54	84.69		0.00	0.00	84.69	3930.85
	06/21/04	4015.54	84.72		0.00	0.00	84.72	3930.82
	06/28/04	4015.54	84.99		0.00	0.00	84.99	3930.55
	07/06/04	4015.54	84.83		0.00	0.00	84.83	3930.71
	07/12/04	4015.54	84.96		0.00	0.00	84.96	3930.58
	07/19/04	4015.54	84.90		0.00	0.00	84.90	3930.64
	07/26/04	4015.54	85.11		0.00	0.00	85.11	3930.43
	08/02/04	4015.54	84.96		0.00	0.00	84.96	3930.58
	08/10/04	4015.54	85.09		0.00	0.00	85.09	3930.45
	08/16/04	4015.54	85.06		0.00	0.00	85.06	3930.48
	08/23/04	4015.54	84.83		0.00	0.00	84.83	3930.71
	08/30/04	4015.54	85.06		0.00	0.00	85.06	3930.48
	09/08/04	4015.54	85.14		0.00	0.00	85.14	3930.40
	10/08/04	4015.54	85.12		0.00	0.00	85.12	3930.42
	12/30/04	4015.54	85.12		0.00	0.00	85.12	3930.42
	01/17/05	4015.54	85.52		0.00	0.00	85.52	3930.02
	02/09/05	4015.54	85.33		0.00	0.00	85.33	3930.21
	03/09/05	4015.54	85.45		0.00	0.00	85.45	3930.09
	04/05/05	4015.54	85.15		0.00	0.00	85.15	3930.39
	05/10/05	4015.54	85.21		0.00	0.00	85.21	3930.33
	06/08/05	4015.54	85.31		0.00	0.00	85.31	3930.23
	07/05/05	4015.54	85.59		0.00	0.00	85.59	3929.95
	08/08/05	4015.54	85.50		0.00	0.00	85.50	3930.04
	09/14/05	4015.54	85.42		0.00	0.00	85.42	3930.12
	10/12/05	4015.54	85.54		0.00	0.00	85.54	3930.00
	11/09/05	4015.54	85.62		0.00	0.00	85.62	3929.92
	12/14/05	4015.54	85.41		0.00	0.00	85.41	3930.13
	01/12/06	4015.54	85.26		0.00	0.00	85.26	3930.28
	02/02/06	4015.54	85.23		0.00	0.00	85.23	3930.31
	03/07/06	4015.54	85.44		0.00	0.00	85.44	3930.10
	04/05/06	4015.54	85.38		0.00	0.00	85.38	3930.16
	05/08/06	4015.54	85.33		0.00	0.00	85.33	3930.21
	06/05/06	4015.54	85.47		0.00	0.00	85.47	3930.07
	07/11/06	4015.54	85.48		0.00	0.00	85.48	3930.06
	08/16/06	4015.54	85.52		0.00	0.00	85.52	3930.02
	09/07/06	4015.54	85.43		0.00	0.00	85.43	3930.11
	10/11/06	4015.54	85.41		0.00	0.00	85.41	3930.13
	11/08/06	4015.54	85.31		0.00	0.00	85.31	3930.23
	12/04/06	4015.54	85.88		0.00	0.00	85.88	3929.66
	01/04/07	4015.54	85.20		0.00	0.00	85.20	3930.34

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	02/27/07	4015.54	85.16		0.00	0.00	85.16	3930.38
	03/20/07	4015.54	85.33		0.00	0.00	85.33	3930.21
	04/17/07	4015.54	85.17		0.00	0.00	85.17	3930.37
	05/07/07	4015.54	85.40		0.00	0.00	85.40	3930.14
	06/27/07	4015.54	85.27		0.00	0.00	85.27	3930.27
	07/19/07	4015.54	85.13		0.00	0.00	85.13	3930.41
	08/21/07	4015.54	85.08		0.00	0.00	85.08	3930.46
	09/17/07	4015.54	85.05		0.00	0.00	85.05	3930.49
	10/16/07	4015.54	84.97		0.00	0.00	84.97	3930.57
	11/20/07	4015.54	85.02		0.00	0.00	85.02	3930.52
	12/21/07	4015.54	84.81		0.00	0.00	84.81	3930.73
	01/22/08	4015.54	85.27		0.00	0.00	85.27	3930.27
	02/27/08	4015.54	85.20		0.00	0.00	85.20	3930.34
	03/25/08	4015.54	84.99		0.00	0.00	84.99	3930.55
	04/29/08	4015.54	84.98		0.00	0.00	84.98	3930.56
	05/05/08	4015.54	84.93		0.00	0.00	84.93	3930.61
	06/10/08	4015.54	84.94		0.00	0.00	84.94	3930.60
	07/15/08	4015.54	84.90		0.00	0.00	84.90	3930.64
	08/19/08	4015.54	84.88		0.00	0.00	84.88	3930.66
	09/16/08	4015.54	85.13		0.00	0.00	85.13	3930.41
	10/15/08	4015.54	85.03		0.00	0.00	85.03	3930.51
	11/12/08	4015.54	84.72		0.00	0.00	84.72	3930.82
	12/11/08	4015.54	84.92		0.00	0.00	84.92	3930.62
	01/13/09	4015.54	85.15		0.00	0.00	85.15	3930.39
	02/11/09	4015.54	84.85		0.00	0.00	84.85	3930.69
	03/10/09	4015.54	84.63		0.00	0.00	84.63	3930.91
	04/13/09	4015.54	84.79		0.00	0.00	84.79	3930.75
	05/01/09	4015.54	84.64		0.00	0.00	84.64	3930.90
	06/08/09	4015.54	84.51		0.00	0.00	84.51	3931.03
	07/13/09	4015.54	84.61		0.00	0.00	84.61	3930.93
	08/10/09	4015.54	84.60		0.00	0.00	84.60	3930.94
	09/15/09	4015.54	84.44		0.00	0.00	84.44	3931.10
	10/06/09	4015.54	84.34		0.00	0.00	84.34	3931.20
	11/09/09	4015.54	84.58		0.00	0.00	84.58	3930.96
	12/23/09	4015.54	84.06		0.00	0.00	84.06	3931.48
	01/20/10	4015.54	83.99		0.00	0.00	83.99	3931.55
	02/09/10	4015.54	84.64		0.00	0.00	84.64	3930.90
	03/09/10	4015.54	84.23		0.00	0.00	84.23	3931.31
	04/12/10	4015.54	84.54		0.00	0.00	84.54	3931.00
	05/24/10	4015.54	84.34		0.00	0.00	84.34	3931.20
	06/14/10	4015.54	84.48		0.00	0.00	84.48	3931.06
	07/20/10	4015.54	84.54		0.00	0.00	84.54	3931.00
	08/11/10	4015.54	84.57		0.00	0.00	84.57	3930.97
	09/21/10	4015.54	84.56		0.00	0.00	84.56	3930.98
	10/20/10	4015.54	84.62		0.00	0.00	84.62	3930.92
	11/08/10	4015.54	84.48		0.00	0.00	84.48	3931.06
	12/07/10	4015.54	84.58		0.00	0.00	84.58	3930.96
	01/18/11	4015.54	84.61		0.00	0.00	84.61	3930.93
	02/08/11	4015.54	84.38		0.00	0.00	84.38	3931.16
	03/08/11	4015.54	84.40		0.00	0.00	84.40	3931.14
	04/13/11	4015.54	84.61		0.00	0.00	84.61	3930.93
	05/23/11	4015.54	84.54		0.00	0.00	84.54	3931.00

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	06/28/11	4015.54	84.85		0.00	0.00	84.85	3930.69
	07/19/11	4015.54	84.73		0.00	0.00	84.73	3930.81
	08/31/11	4015.54	84.61		0.00	0.00	84.61	3930.93
	09/27/11	4015.54	84.66		0.00	0.00	84.66	3930.88
	10/24/11	4015.54	84.79		0.00	0.00	84.79	3930.75
	11/29/11	4015.54	84.99		0.00	0.00	84.99	3930.55
	12/23/11	4015.54	84.83		0.00	0.00	84.83	3930.71
	01/31/12	4015.54	84.77		0.00	0.00	84.77	3930.77
	02/29/12	4015.54	84.81		0.00	0.00	84.81	3930.73
	03/27/12	4015.54	84.85		0.00	0.00	84.85	3930.69
	04/18/12	4015.54	84.91		0.00	0.00	84.91	3930.63
	05/21/12	4015.54	85.15		0.00	0.00	85.15	3930.39
	07/17/12	4015.54	84.97		0.00	0.00	84.97	3930.57
	08/21/12	4015.54	84.97		0.00	0.00	84.97	3930.57
	09/17/12	4015.54	84.83		0.00	0.00	84.83	3930.71
	12/13/12	4015.54	85.15		0.00	0.00	85.15	3930.39
MW-12	12/13/01	4022.71	91.43		0.00	0.00	91.43	3931.28
	03/22/02	4022.71	94.38		0.00	0.00	94.38	3928.33
	09/16/02	4022.71	94.51		0.00	0.00	94.51	3928.20
	09/20/02	4022.71	94.31		0.00	0.00	94.31	3928.40
	04/05/04	4022.71	94.59		0.00	0.00	94.59	3928.12
	05/17/04	4022.71	94.60		0.00	0.00	94.60	3928.11
	05/24/04	4022.71	94.51		0.00	0.00	94.51	3928.20
	06/01/04	4022.71	94.53		0.00	0.00	94.53	3928.18
	06/07/04	4022.71	94.45		0.00	0.00	94.45	3928.26
	06/15/04	4022.71	94.56		0.00	0.00	94.56	3928.15
	06/21/04	4022.71	94.57		0.00	0.00	94.57	3928.14
	06/28/04	4022.71	94.84		0.00	0.00	94.84	3927.87
	07/06/04	4022.71	94.70		0.00	0.00	94.70	3928.01
	07/12/04	4022.71	94.80		0.00	0.00	94.80	3927.91
	07/19/04	4022.71	94.74		0.00	0.00	94.74	3927.97
	07/26/04	4022.71	94.92		0.00	0.00	94.92	3927.79
	08/02/04	4022.71	94.77		0.00	0.00	94.77	3927.94
	08/10/04	4022.71	94.88		0.00	0.00	94.88	3927.83
	08/16/04	4022.71	94.86		0.00	0.00	94.86	3927.85
	08/23/04	4022.71	94.60		0.00	0.00	94.60	3928.11
	08/30/04	4022.71	94.82		0.00	0.00	94.82	3927.89
	09/08/04	4022.71	94.89		0.00	0.00	94.89	3927.82
	10/08/04	4022.71	94.83		0.00	0.00	94.83	3927.88
	12/30/04	4022.71	94.72		0.00	0.00	94.72	3927.99
	01/17/05	4022.71	95.06		0.00	0.00	95.06	3927.65
	02/09/05	4022.71	94.94		0.00	0.00	94.94	3927.77
	03/09/05	4022.71	94.92		0.00	0.00	94.92	3927.79
	04/05/05	4022.71	94.58		0.00	0.00	94.58	3928.13
	05/10/05	4022.71	94.61		0.00	0.00	94.61	3928.10
	06/08/05	4022.71	94.58		0.00	0.00	94.58	3928.13
	07/05/05	4022.71	94.84		0.00	0.00	94.84	3927.87
	08/08/05	4022.71	94.78		0.00	0.00	94.78	3927.93
	09/14/05	4022.71	94.71		0.00	0.00	94.71	3928.00
	10/12/05	4022.71	94.82		0.00	0.00	94.82	3927.89
	11/09/05	4022.71	94.92		0.00	0.00	94.92	3927.79
	12/14/05	4022.71	94.70		0.00	0.00	94.70	3928.01

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	01/12/06	4022.71	94.50		0.00	0.00	94.50	3928.21
	02/02/06	4022.71	94.58		0.00	0.00	94.58	3928.13
	03/07/06	4022.71	94.76		0.00	0.00	94.76	3927.95
	04/05/06	4022.71	94.67		0.00	0.00	94.67	3928.04
	05/08/06	4022.71	94.61		0.00	0.00	94.61	3928.10
	06/05/06	4022.71	94.77		0.00	0.00	94.77	3927.94
	07/11/06	4022.71	94.84		0.00	0.00	94.84	3927.87
	08/16/06	4022.71	94.93		0.00	0.00	94.93	3927.78
	09/07/06	4022.71	94.86		0.00	0.00	94.86	3927.85
	10/11/06	4022.71	94.86		0.00	0.00	94.86	3927.85
	11/08/06	4022.71	94.72		0.00	0.00	94.72	3927.99
	12/04/06	4022.71	95.35		0.00	0.00	95.35	3927.36
	01/04/07	4022.71	94.68		0.00	0.00	94.68	3928.03
	02/27/07	4022.71	94.73		0.00	0.00	94.73	3927.98
	03/20/07	4022.71	94.93		0.00	0.00	94.93	3927.78
	04/17/07	4022.71	94.73		0.00	0.00	94.73	3927.98
	05/07/07	4022.71	94.95		0.00	0.00	94.95	3927.76
	06/27/07	4022.71	94.42		0.00	0.00	94.42	3928.29
	07/19/07	4022.71	94.71		0.00	0.00	94.71	3928.00
	08/21/07	4022.71	94.77		0.00	0.00	94.77	3927.94
	09/17/07	4022.71	94.90		0.00	0.00	94.90	3927.81
	10/16/07	4022.71	98.83		0.00	0.00	98.83	3923.88
	11/20/07	4022.71	99.07		0.00	0.00	99.07	3923.64
	12/21/07	4022.53	98.82		0.00	0.00	98.82	3923.71
	01/22/08	4022.53	97.14		0.00	0.00	97.14	3925.39
	02/27/08	4022.53	97.32		0.00	0.00	97.32	3925.21
	03/25/08	4022.53	98.91		0.00	0.00	98.91	3923.62
	04/29/08	4022.53	98.87		0.00	0.00	98.87	3923.66
	05/05/08	4022.53	98.82		0.00	0.00	98.82	3923.71
	06/10/08	4022.53	98.63		0.00	0.00	98.63	3923.90
	07/15/08	4022.53	98.65		0.00	0.00	98.65	3923.88
	08/19/08	4022.53	98.43		0.00	0.00	98.43	3924.10
	09/16/08	4022.53	98.92		0.00	0.00	98.92	3923.61
	10/15/08	4022.53	98.84		0.00	0.00	98.84	3923.69
	11/12/08	4022.53	98.52		0.00	0.00	98.52	3924.01
	12/11/08	4022.53	98.48		0.00	0.00	98.48	3924.05
	01/13/09	4022.53	98.86		0.00	0.00	98.86	3923.67
	02/11/09	4022.53	98.52		0.00	0.00	98.52	3924.01
	03/10/09	4022.53	98.29		0.00	0.00	98.29	3924.24
	04/13/09	4022.53	98.44		0.00	0.00	98.44	3924.09
	05/01/09	4022.53	98.27		0.00	0.00	98.27	3924.26
	06/08/09	4022.53	98.25		0.00	0.00	98.25	3924.28
	07/13/09	4022.53	98.28		0.00	0.00	98.28	3924.25
	08/10/09	4022.53	98.27		0.00	0.00	98.27	3924.26
	09/15/09	4022.53	98.04		0.00	0.00	98.04	3924.49
	10/06/09	4022.53	94.93		0.00	0.00	94.93	3927.60
	11/09/09	4022.53	97.97		0.00	0.00	97.97	3924.56
	12/23/09	4022.53	97.47		0.00	0.00	97.47	3925.06
	01/20/10	4022.53	97.36		0.00	0.00	97.36	3925.17
	02/09/10	4022.53	97.98		0.00	0.00	97.98	3924.55
	03/09/10	4022.53	97.58		0.00	0.00	97.58	3924.95
	04/12/10	4022.53	97.85		0.00	0.00	97.85	3924.68

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	05/24/10	4022.53	97.57		0.00	0.00	97.57	3924.96
	06/14/10	4022.53	98.32		0.00	0.00	98.32	3924.21
	07/20/10	4022.53	98.23		0.00	0.00	98.23	3924.30
	08/11/10	4022.53	98.22		0.00	0.00	98.22	3924.31
	09/21/10	4022.53	98.01		0.00	0.00	98.01	3924.52
	10/20/10	4022.53	98.13		0.00	0.00	98.13	3924.40
	11/08/10	4022.53	97.97		0.00	0.00	97.97	3924.56
	12/07/10	4022.53	97.93		0.00	0.00	97.93	3924.60
	01/18/11	4022.53	97.81		0.00	0.00	97.81	3924.72
	02/08/11	4022.53	96.88		0.00	0.00	96.88	3925.65
	03/08/11	4022.53	94.42		0.00	0.00	94.42	3928.11
	04/13/11	4022.53	94.36		0.00	0.00	94.36	3928.17
	05/23/11	4022.53	94.20		0.00	0.00	94.20	3928.33
	06/28/11	4022.53	97.80		0.00	0.00	97.80	3924.73
	07/19/11	4022.53	97.74		0.00	0.00	97.74	3924.79
	08/31/11	4022.53	97.65		0.00	0.00	97.65	3924.88
	09/27/11	4022.53	97.67		0.00	0.00	97.67	3924.86
	10/24/11	4022.53	96.44		0.00	0.00	96.44	3926.09
	11/29/11	4022.53	98.06		0.00	0.00	98.06	3924.47
	12/23/11	4022.53	97.87		0.00	0.00	97.87	3924.66
	01/31/12	4022.53	97.73		0.00	0.00	97.73	3924.80
	02/29/12	4022.53	97.83		0.00	0.00	97.83	3924.70
	03/27/12	4022.53	97.78		0.00	0.00	97.78	3924.75
	04/18/12	4022.53	97.80		0.00	0.00	97.80	3924.73
	05/21/12	4022.53	98.02		0.00	0.00	98.02	3924.51
	07/17/12	4022.53	94.66		0.00	0.00	94.66	3927.87
	08/21/12	4022.53	97.65		0.00	0.00	97.65	3924.88
	09/17/12	4022.53	97.62		0.00	0.00	97.62	3924.91
	12/13/12	4022.53	97.87		0.00	0.00	97.87	3924.66
MW-13	12/13/01	4031.96	103.76		0.00	0.00	103.76	3928.20
	03/22/02	4031.96	107.18		0.00	0.00	107.18	3924.78
	09/16/02	4031.96	107.58		0.00	0.00	107.58	3924.38
	09/20/02	4031.96	107.48		0.00	0.00	107.48	3924.48
	04/05/04	4031.96	108.04		0.00	0.00	108.04	3923.92
	05/17/04	4031.96	108.06		0.00	0.00	108.06	3923.90
	05/24/04	4031.96	107.97		0.00	0.00	107.97	3923.99
	06/01/04	4031.96	107.97		0.00	0.00	107.97	3923.99
	06/07/04	4031.96	107.89		0.00	0.00	107.89	3924.07
	06/15/04	4031.96	107.99		0.00	0.00	107.99	3923.97
	06/21/04	4031.96	107.98		0.00	0.00	107.98	3923.98
	06/28/04	4031.96	108.29		0.00	0.00	108.29	3923.67
	07/06/04	4031.96	108.12		0.00	0.00	108.12	3923.84
	07/12/04	4031.96	108.22		0.00	0.00	108.22	3923.74
	07/19/04	4031.96	108.16		0.00	0.00	108.16	3923.80
	07/26/04	4031.96	108.34		0.00	0.00	108.34	3923.62
	08/02/04	4031.96	108.17		0.00	0.00	108.17	3923.79
	08/10/04	4031.96	108.29		0.00	0.00	108.29	3923.67
	08/16/04	4031.96	108.27		0.00	0.00	108.27	3923.69
	08/23/04	4031.96	108.01		0.00	0.00	108.01	3923.95
	08/30/04	4031.96	108.24		0.00	0.00	108.24	3923.72
	09/08/04	4031.96	108.31		0.00	0.00	108.31	3923.65
	10/08/04	4031.96	108.23		0.00	0.00	108.23	3923.73

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	12/30/04	4031.96	108.12		0.00	0.00	108.12	3923.84
	01/17/05	4031.96	108.49		0.00	0.00	108.49	3923.47
	02/09/05	4031.96	108.38		0.00	0.00	108.38	3923.58
	03/09/05	4031.96	108.44		0.00	0.00	108.44	3923.52
	04/05/05	4031.96	108.04		0.00	0.00	108.04	3923.92
	05/10/05	4031.96	108.09		0.00	0.00	108.09	3923.87
	06/08/05	4031.96	108.18		0.00	0.00	108.18	3923.78
	07/05/05	4031.96	108.47		0.00	0.00	108.47	3923.49
	08/08/05	4031.96	108.37		0.00	0.00	108.37	3923.59
	09/14/05	4031.96	108.28		0.00	0.00	108.28	3923.68
	10/12/05	4031.96	108.42		0.00	0.00	108.42	3923.54
	11/09/05	4031.96	108.51		0.00	0.00	108.51	3923.45
	12/14/05	4031.96	108.31		0.00	0.00	108.31	3923.65
	01/12/06	4031.96	108.16		0.00	0.00	108.16	3923.80
	02/02/06	4031.96	108.17		0.00	0.00	108.17	3923.79
	03/07/06	4031.96	108.33		0.00	0.00	108.33	3923.63
	04/05/06	4031.96	108.22		0.00	0.00	108.22	3923.74
	05/08/06	4031.96	108.18		0.00	0.00	108.18	3923.78
	06/05/06	4031.96	108.30		0.00	0.00	108.30	3923.66
	07/11/06	4031.96	108.34		0.00	0.00	108.34	3923.62
	08/16/06	4031.96	108.43		0.00	0.00	108.43	3923.53
	09/07/06	4031.96	108.32		0.00	0.00	108.32	3923.64
	10/11/06	4031.96	108.31		0.00	0.00	108.31	3923.65
	11/08/06	4031.96	108.18		0.00	0.00	108.18	3923.78
	12/04/06	4031.96	108.79		0.00	0.00	108.79	3923.17
	01/04/07	4031.96	108.11		0.00	0.00	108.11	3923.85
	02/27/07	4031.96	108.16		0.00	0.00	108.16	3923.80
	03/20/07	4031.96	108.37		0.00	0.00	108.37	3923.59
	04/17/07	4031.96	108.13		0.00	0.00	108.13	3923.83
	05/07/07	4031.96	108.37		0.00	0.00	108.37	3923.59
	06/27/07	4031.96	108.23		0.00	0.00	108.23	3923.73
	07/19/07	4031.96	108.13		0.00	0.00	108.13	3923.83
	08/21/07	4031.96	108.10		0.00	0.00	108.10	3923.86
	09/17/07	4031.96	108.08		0.00	0.00	108.08	3923.88
	10/16/07	4031.96	108.03		0.00	0.00	108.03	3923.93
	11/20/07	4031.96	108.11		0.00	0.00	108.11	3923.85
	12/21/07	4031.96	107.92		0.00	0.00	107.92	3924.04
	01/22/08	4031.96	108.42		0.00	0.00	108.42	3923.54
	02/27/08	4031.96	108.40		0.00	0.00	108.40	3923.56
	03/25/08	4031.96	108.22		0.00	0.00	108.22	3923.74
	04/29/08	4031.96	108.22		0.00	0.00	108.22	3923.74
	05/05/08	4031.96	108.22		0.00	0.00	108.22	3923.74
	06/10/08	4031.96	108.23		0.00	0.00	108.23	3923.73
	07/15/08	4031.96	108.23		0.00	0.00	108.23	3923.73
	08/19/08	4031.96	108.24		0.00	0.00	108.24	3923.72
	09/16/08	4031.96	108.52		0.00	0.00	108.52	3923.44
	10/15/08	4031.96	108.44		0.00	0.00	108.44	3923.52
	11/12/08	4031.96	108.15		0.00	0.00	108.15	3923.81
	12/11/08	4031.96	108.34		0.00	0.00	108.34	3923.62
	01/13/09	4031.96	108.55		0.00	0.00	108.55	3923.41
	02/11/09	4031.96	108.27		0.00	0.00	108.27	3923.69
	03/10/09	4031.96	108.05		0.00	0.00	108.05	3923.91

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	04/13/09	4031.96	108.20		0.00	0.00	108.20	3923.76
	05/01/09	4031.96	108.02		0.00	0.00	108.02	3923.94
	06/08/09	4031.96	107.90		0.00	0.00	107.90	3924.06
	07/13/09	4031.96	107.97		0.00	0.00	107.97	3923.99
	08/10/09	4031.96	107.98		0.00	0.00	107.98	3923.98
	09/15/09	4031.96	107.83		0.00	0.00	107.83	3924.13
	10/06/09	4031.96	107.73		0.00	0.00	107.73	3924.23
	11/09/09	4031.96	107.95		0.00	0.00	107.95	3924.01
	12/23/09	4031.96	107.45		0.00	0.00	107.45	3924.51
	01/20/10	4031.96	107.40		0.00	0.00	107.40	3924.56
	02/09/10	4031.96	108.03		0.00	0.00	108.03	3923.93
	03/09/10	4031.96	107.65		0.00	0.00	107.65	3924.31
	04/12/10	4031.96	107.94		0.00	0.00	107.94	3924.02
	05/24/10	4031.96	107.76		0.00	0.00	107.76	3924.20
	06/14/10	4031.96	107.90		0.00	0.00	107.90	3924.06
	07/20/10	4031.96	107.98		0.00	0.00	107.98	3923.98
	08/11/10	4031.96	108.00		0.00	0.00	108.00	3923.96
	09/21/10	4031.96	107.90		0.00	0.00	107.90	3924.06
	10/20/10	4031.96	108.08		0.00	0.00	108.08	3923.88
	11/08/10	4031.96	107.93		0.00	0.00	107.93	3924.03
	12/07/10	4031.96	107.99		0.00	0.00	107.99	3923.97
	01/18/11	4031.96	108.03		0.00	0.00	108.03	3923.93
	02/08/11	4031.96	108.77		0.00	0.00	108.77	3923.19
	03/08/11	4031.96	107.82		0.00	0.00	107.82	3924.14
	04/13/11	4031.96	108.03		0.00	0.00	108.03	3923.93
	05/23/11	4031.96	108.01		0.00	0.00	108.01	3923.95
	06/28/11	4031.96	108.28		0.00	0.00	108.28	3923.68
	07/19/11	4031.96	108.19		0.00	0.00	108.19	3923.77
	08/31/11	4031.96	108.05		0.00	0.00	108.05	3923.91
	09/27/11	4031.96	108.09		0.00	0.00	108.09	3923.87
	10/24/11	4031.96	108.19		0.00	0.00	108.19	3923.77
	11/29/11	4031.96	108.31		0.00	0.00	108.31	3923.65
	12/23/11	4031.96	108.13		0.00	0.00	108.13	3923.83
	01/31/12	4031.96	108.14		0.00	0.00	108.14	3923.82
	02/29/12	4031.96	108.06		0.00	0.00	108.06	3923.90
	03/27/12	4031.96	108.05		0.00	0.00	108.05	3923.91
	04/18/12	4031.96	108.12		0.00	0.00	108.12	3923.84
	05/21/12	4031.96	108.36		0.00	0.00	108.36	3923.60
	07/17/12	4031.96	108.18		0.00	0.00	108.18	3923.78
	08/21/12	4031.96	108.21		0.00	0.00	108.21	3923.75
	09/17/12	4031.96	108.08		0.00	0.00	108.08	3923.88
	12/13/12	4031.96	108.40		0.00	0.00	108.40	3923.56
MW-14	12/13/01	4006.98	74.67		0.00	0.00	74.67	3932.31
	03/22/02	4006.98	74.67		0.00	0.00	74.67	3932.31
	09/16/02	4006.98	74.56		0.00	0.00	74.56	3932.42
	09/20/02	4006.98	74.40		0.00	0.00	74.40	3932.58
	04/05/04	4006.98	75.20		0.00	0.00	75.20	3931.78
	05/17/04	4006.98	75.25		0.00	0.00	75.25	3931.73
	05/24/04	4006.98	75.17		0.00	0.00	75.17	3931.81
	06/01/04	4006.98	75.18		0.00	0.00	75.18	3931.80
	06/07/04	4006.98	75.12		0.00	0.00	75.12	3931.86
	06/15/04	4006.98	75.23		0.00	0.00	75.23	3931.75

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	06/21/04	4006.98	75.24		0.00	0.00	75.24	3931.74
	06/28/04	4006.98	75.55		0.00	0.00	75.55	3931.43
	07/06/04	4006.98	75.37		0.00	0.00	75.37	3931.61
	07/12/04	4006.98	75.49		0.00	0.00	75.49	3931.49
	07/19/04	4006.98	75.43		0.00	0.00	75.43	3931.55
	07/26/04	4006.98	75.64		0.00	0.00	75.64	3931.34
	08/02/04	4006.98	75.49		0.00	0.00	75.49	3931.49
	08/10/04	4006.98	75.62		0.00	0.00	75.62	3931.36
	08/16/04	4006.98	75.59		0.00	0.00	75.59	3931.39
	08/23/04	4006.98	75.32		0.00	0.00	75.32	3931.66
	08/30/04	4006.98	75.57		0.00	0.00	75.57	3931.41
	09/08/04	4006.98	75.65		0.00	0.00	75.65	3931.33
	10/08/04	4006.98	75.61		0.00	0.00	75.61	3931.37
	12/30/04	4006.98	75.45		0.00	0.00	75.45	3931.53
	01/17/05	4006.98	75.74		0.00	0.00	75.74	3931.24
	02/09/05	4006.98	75.46		0.00	0.00	75.46	3931.52
	03/09/05	4006.98	75.37		0.00	0.00	75.37	3931.61
	04/05/05	4006.98	74.84		0.00	0.00	74.84	3932.14
	05/10/05	4006.98	74.72		0.00	0.00	74.72	3932.26
	06/08/05	4006.98	74.71		0.00	0.00	74.71	3932.27
	07/05/05	4006.98	74.93		0.00	0.00	74.93	3932.05
	08/08/05	4006.98	74.78		0.00	0.00	74.78	3932.20
	09/14/05	4006.98	74.62		0.00	0.00	74.62	3932.36
	10/12/05	4006.98	74.69		0.00	0.00	74.69	3932.29
	11/09/05	4006.98	74.69		0.00	0.00	74.69	3932.29
	12/14/05	4006.98	74.29		0.00	0.00	74.29	3932.69
	01/12/06	4006.98	74.01		0.00	0.00	74.01	3932.97
	02/02/06	4006.98	73.91		0.00	0.00	73.91	3933.07
	03/07/06	4006.98	73.97		0.00	0.00	73.97	3933.01
	04/05/06	4006.98	73.80		0.00	0.00	73.80	3933.18
	05/08/06	4006.98	73.69		0.00	0.00	73.69	3933.29
	06/05/06	4006.98	73.78		0.00	0.00	73.78	3933.20
	07/11/06	4006.98	73.83		0.00	0.00	73.83	3933.15
	08/16/06	4006.98	73.94		0.00	0.00	73.94	3933.04
	09/07/06	4006.98	72.93		0.00	0.00	72.93	3934.05
	10/11/06	4006.98	73.95		0.00	0.00	73.95	3933.03
	11/08/06	4006.98	73.88		0.00	0.00	73.88	3933.10
	12/04/06	4006.98	74.53		0.00	0.00	74.53	3932.45
	01/04/07	4006.98	73.79		0.00	0.00	73.79	3933.19
	02/27/07	4006.98	73.73		0.00	0.00	73.73	3933.25
	03/20/07	4006.98	73.90		0.00	0.00	73.90	3933.08
	04/17/07	4006.98	73.68		0.00	0.00	73.68	3933.30
	05/07/07	4006.98	73.88		0.00	0.00	73.88	3933.10
	06/27/07	4006.98	73.80		0.00	0.00	73.80	3933.18
	07/19/07	4006.98	73.69		0.00	0.00	73.69	3933.29
	08/21/07	4006.98	73.61		0.00	0.00	73.61	3933.37
	09/17/07	4006.98	73.54		0.00	0.00	73.54	3933.44
	10/16/07	4006.98	73.39		0.00	0.00	73.39	3933.59
	11/20/07	4006.98	73.34		0.00	0.00	73.34	3933.64
	12/21/07	4006.98	73.05		0.00	0.00	73.05	3933.93
	01/22/08	4006.98	73.44		0.00	0.00	73.44	3933.54
	02/27/08	4006.98	73.37		0.00	0.00	73.37	3933.61

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	03/25/08	4006.98	73.17		0.00	0.00	73.17	3933.81
	04/29/08	4006.98	73.16		0.00	0.00	73.16	3933.82
	05/05/08	4006.98	73.14		0.00	0.00	73.14	3933.84
	06/10/08	4006.98	73.16		0.00	0.00	73.16	3933.82
	07/15/08	4006.98	73.25		0.00	0.00	73.25	3933.73
	08/19/08	4006.98	73.32		0.00	0.00	73.32	3933.66
	09/16/08	4006.98	73.68		0.00	0.00	73.68	3933.30
	10/15/08	4006.98	73.67		0.00	0.00	73.67	3933.31
	11/12/08	4006.98	73.44		0.00	0.00	73.44	3933.54
	12/11/08	4006.98	73.69		0.00	0.00	73.69	3933.29
	01/13/09	4006.98	73.89		0.00	0.00	73.89	3933.09
	02/11/09	4006.98	73.57		0.00	0.00	73.57	3933.41
	03/10/09	4006.98	73.34		0.00	0.00	73.34	3933.64
	04/13/09	4006.98	73.43		0.00	0.00	73.43	3933.55
	05/01/09	4006.98	73.30		0.00	0.00	73.30	3933.68
	06/08/09	4006.98	73.15		0.00	0.00	73.15	3933.83
	07/13/09	4006.98	73.29		0.00	0.00	73.29	3933.69
	08/10/09	4006.98	73.32		0.00	0.00	73.32	3933.66
	09/15/09	4006.98	73.22		0.00	0.00	73.22	3933.76
	10/06/09	4006.98	73.15		0.00	0.00	73.15	3933.83
	11/09/09	4006.98	73.43		0.00	0.00	73.43	3933.55
	12/23/09	4006.98	72.93		0.00	0.00	72.93	3934.05
	01/20/10	4006.98	72.88		0.00	0.00	72.88	3934.10
	02/09/10	4006.98	73.48		0.00	0.00	73.48	3933.50
	03/09/10	4006.98	73.09		0.00	0.00	73.09	3933.89
	04/12/10	4006.98	73.40		0.00	0.00	73.40	3933.58
	05/24/10	4006.98	73.24		0.00	0.00	73.24	3933.74
	06/14/10	4006.98	73.40		0.00	0.00	73.40	3933.58
	07/20/10	4006.98	73.53		0.00	0.00	73.53	3933.45
	08/11/10	4006.98	73.59		0.00	0.00	73.59	3933.39
	09/21/10	4006.98	73.55		0.00	0.00	73.55	3933.43
	10/20/10	4006.98	73.74		0.00	0.00	73.74	3933.24
	11/08/10	4006.98	73.62		0.00	0.00	73.62	3933.36
	12/07/10	4006.98	73.73		0.00	0.00	73.73	3933.25
	01/18/11	4006.98	73.73		0.00	0.00	73.73	3933.25
	02/08/11	4006.98	73.53		0.00	0.00	73.53	3933.45
	03/08/11	4006.98	73.54		0.00	0.00	73.54	3933.44
	04/13/11	4006.98	73.78		0.00	0.00	73.78	3933.20
	05/23/11	4006.98	73.75		0.00	0.00	73.75	3933.23
	06/28/11	4006.98	74.04		0.00	0.00	74.04	3932.94
	07/19/11	4006.98	73.93		0.00	0.00	73.93	3933.05
	08/31/11	4006.98	73.82		0.00	0.00	73.82	3933.16
	09/27/11	4006.98	73.92		0.00	0.00	73.92	3933.06
	10/24/11	4006.98	74.05		0.00	0.00	74.05	3932.93
	11/29/11	4006.98	74.22		0.00	0.00	74.22	3932.76
	12/23/11	4006.98	74.09		0.00	0.00	74.09	3932.89
	01/31/12	4006.98	74.05		0.00	0.00	74.05	3932.93
	02/29/12	4006.98	74.12		0.00	0.00	74.12	3932.86
	03/27/12	4006.98	74.05		0.00	0.00	74.05	3932.93
	04/18/12	4006.98	74.23		0.00	0.00	74.23	3932.75
	05/21/12	4006.98	74.49		0.00	0.00	74.49	3932.49
	07/17/12	4006.98	74.41		0.00	0.00	74.41	3932.57

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	08/21/12	4006.98	74.46		0.00	0.00	74.46	3932.52
	09/17/12	4006.98	74.36		0.00	0.00	74.36	3932.62
	12/13/12	4006.98	74.16		0.00	0.00	74.16	3932.82
MW-15	09/20/02	4026.75	118.93		0.00	0.00	118.93	3907.82
	04/05/04	4026.75	119.65		0.00	0.00	119.65	3907.10
	05/17/04	4026.75	119.56		0.00	0.00	119.56	3907.19
	05/24/04	4026.75	119.63		0.00	0.00	119.63	3907.12
	06/01/04	4026.75	119.62		0.00	0.00	119.62	3907.13
	06/07/04	4026.75	119.63		0.00	0.00	119.63	3907.12
	06/15/04	4026.75	119.66		0.00	0.00	119.66	3907.09
	06/21/04	4026.75	119.69		0.00	0.00	119.69	3907.06
	06/28/04	4026.75	119.78		0.00	0.00	119.78	3906.97
	07/06/04	4026.75	119.77		0.00	0.00	119.77	3906.98
	07/12/04	4026.75	119.79		0.00	0.00	119.79	3906.96
	07/19/04	4026.75	119.80		0.00	0.00	119.80	3906.95
	07/26/04	4026.75	119.86		0.00	0.00	119.86	3906.89
	08/02/04	4026.75	119.83		0.00	0.00	119.83	3906.92
	08/10/04	4026.75	119.87		0.00	0.00	119.87	3906.88
	08/16/04	4026.75	119.88		0.00	0.00	119.88	3906.87
	08/23/04	4026.75	119.82		0.00	0.00	119.82	3906.93
	08/30/04	4026.75	119.88		0.00	0.00	119.88	3906.87
	09/08/04	4026.75	119.92		0.00	0.00	119.92	3906.83
	10/08/04	4026.75	119.94		0.00	0.00	119.94	3906.81
	12/30/04	4026.75	120.03		0.00	0.00	120.03	3906.72
	01/17/05	4026.75	120.12		0.00	0.00	120.12	3906.63
	02/09/05	4026.75	120.12		0.00	0.00	120.12	3906.63
	03/09/05	4026.75	120.14		0.00	0.00	120.14	3906.61
	04/05/05	4026.75	120.05		0.00	0.00	120.05	3906.70
	05/10/05	4026.75	120.11		0.00	0.00	120.11	3906.64
	06/08/05	4026.75	120.14		0.00	0.00	120.14	3906.61
	07/05/05	4026.75	120.24		0.00	0.00	120.24	3906.51
	08/08/05	4026.75	120.33		0.00	0.00	120.33	3906.42
	09/14/05	4026.75	120.33		0.00	0.00	120.33	3906.42
	10/12/05	4026.75	120.37		0.00	0.00	120.37	3906.38
	11/09/05	4026.75	120.42		0.00	0.00	120.42	3906.33
	12/14/05	4026.75	120.43		0.00	0.00	120.43	3906.32
	01/12/06	4026.75	120.42		0.00	0.00	120.42	3906.33
	02/02/06	4026.75	120.43		0.00	0.00	120.43	3906.32
	03/07/06	4026.75	120.50		0.00	0.00	120.50	3906.25
	04/05/06	4026.75	120.48		0.00	0.00	120.48	3906.27
	05/08/06	4026.75	120.45		0.00	0.00	120.45	3906.30
	06/05/06	4026.75	120.54		0.00	0.00	120.54	3906.21
	07/11/06	4026.75	120.65		0.00	0.00	120.65	3906.10
	08/16/06	4026.75	120.68		0.00	0.00	120.68	3906.07
	09/07/06	4026.75	120.71		0.00	0.00	120.71	3906.04
	10/11/06	4026.75	120.75		0.00	0.00	120.75	3906.00
	11/08/06	4026.75	120.76		0.00	0.00	120.76	3905.99
	12/04/06	4026.75	120.76		0.00	0.00	120.76	3905.99
	01/04/07	4026.75	120.80		0.00	0.00	120.80	3905.95
	02/27/07	4026.75	120.83		0.00	0.00	120.83	3905.92
	03/20/07	4026.75	120.90		0.00	0.00	120.90	3905.85
	04/17/07	4026.75	120.86		0.00	0.00	120.86	3905.89

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	05/07/07	4026.75	120.88		0.00	0.00	120.88	3905.87
	06/27/07	4026.75	120.81		0.00	0.00	120.81	3905.94
	07/19/07	4026.75	120.88		0.00	0.00	120.88	3905.87
	08/21/07	4026.75	120.88		0.00	0.00	120.88	3905.87
	09/17/07	4026.75	120.93		0.00	0.00	120.93	3905.82
	10/16/07	4026.75	120.95		0.00	0.00	120.95	3905.80
	11/20/07	4026.75	121.06		0.00	0.00	121.06	3905.69
	12/21/07	4026.75	121.08		0.00	0.00	121.08	3905.67
	01/22/08	4026.75	121.18		0.00	0.00	121.18	3905.57
	02/27/08	4026.75	121.40		0.00	0.00	121.40	3905.35
	03/25/08	4026.75	121.22		0.00	0.00	121.22	3905.53
	04/29/08	4026.75	121.21		0.00	0.00	121.21	3905.54
	05/05/08	4026.75	121.20		0.00	0.00	121.20	3905.55
	06/10/08	4026.75	121.24		0.00	0.00	121.24	3905.51
	07/15/08	4026.75	121.31		0.00	0.00	121.31	3905.44
	08/19/08	4026.75	121.40		0.00	0.00	121.40	3905.35
	09/16/08	4026.75	121.54		0.00	0.00	121.54	3905.21
	10/15/08	4026.75	121.43		0.00	0.00	121.43	3905.32
	11/12/08	4026.75	121.40		0.00	0.00	121.40	3905.35
	12/11/08	4026.75	121.47		0.00	0.00	121.47	3905.28
	01/13/09	4026.75	121.28		0.00	0.00	121.28	3905.47
	02/11/09	4026.75	121.49		0.00	0.00	121.49	3905.26
	03/10/09	4026.75	121.36		0.00	0.00	121.36	3905.39
	04/13/09	4026.75	121.39		0.00	0.00	121.39	3905.36
	05/01/09	4026.75	121.34		0.00	0.00	121.34	3905.41
	06/08/09	4026.75	121.16		0.00	0.00	121.16	3905.59
	07/13/09	4026.75	121.60		0.00	0.00	121.60	3905.15
	08/10/09	4026.75	121.16		0.00	0.00	121.16	3905.59
	09/15/09	4026.75	121.11		0.00	0.00	121.11	3905.64
	10/06/09	4026.75	121.03		0.00	0.00	121.03	3905.72
	11/09/09	4026.75	121.24		0.00	0.00	121.24	3905.51
	12/23/09	4026.75	120.88		0.00	0.00	120.88	3905.87
	01/20/10	4026.75	120.82		0.00	0.00	120.82	3905.93
	02/09/10	4026.75	121.30		0.00	0.00	121.30	3905.45
	03/09/10	4026.75	120.97		0.00	0.00	120.97	3905.78
	04/12/10	4026.75	121.24		0.00	0.00	121.24	3905.51
	05/24/10	4026.75	121.03		0.00	0.00	121.03	3905.72
	06/14/10	4026.75	121.16		0.00	0.00	121.16	3905.59
	07/20/10	4026.75	121.24		0.00	0.00	121.24	3905.51
	08/11/10	4026.75	121.02		0.00	0.00	121.02	3905.73
	09/21/10	4026.75	121.09		0.00	0.00	121.09	3905.66
	10/20/10	4026.75	121.25		0.00	0.00	121.25	3905.50
	11/08/10	4026.75	121.14		0.00	0.00	121.14	3905.61
	12/07/10	4026.75	121.16		0.00	0.00	121.16	3905.59
	01/18/11	4026.75	121.14		0.00	0.00	121.14	3905.61
	02/08/11	4026.75	120.98		0.00	0.00	120.98	3905.77
	03/08/11	4026.75	120.90		0.00	0.00	120.90	3905.85
	04/13/11	4026.75	121.15		0.00	0.00	121.15	3905.60
	05/23/11	4026.75	121.09		0.00	0.00	121.09	3905.66
	06/28/11	4026.75	121.37		0.00	0.00	121.37	3905.38
	07/19/11	4026.75	121.29		0.00	0.00	121.29	3905.46
	08/31/11	4026.75	121.14		0.00	0.00	121.14	3905.61

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	09/27/11	4026.75	121.16		0.00	0.00	121.16	3905.59
	10/24/11	4026.75	121.28		0.00	0.00	121.28	3905.47
	11/29/11	4026.75	121.31		0.00	0.00	121.31	3905.44
	12/23/11	4026.75	121.23		0.00	0.00	121.23	3905.52
	01/31/12	4026.75	121.14		0.00	0.00	121.14	3905.61
	02/29/12	4026.75	121.16		0.00	0.00	121.16	3905.59
	03/27/12	4026.75	121.09		0.00	0.00	121.09	3905.66
	04/18/12	4026.75	121.14		0.00	0.00	121.14	3905.61
	05/21/12	4026.75	121.26		0.00	0.00	121.26	3905.49
	07/17/12	4026.75	121.21		0.00	0.00	121.21	3905.54
	08/21/12	4026.75	121.17		0.00	0.00	121.17	3905.58
	09/17/12	4026.75	121.06		0.00	0.00	121.06	3905.69
	12/13/12	4026.75	121.30		0.00	0.00	121.30	3905.45
MW-16	09/20/02	4017.74	113.50		0.00	0.00	113.50	3904.24
	04/05/04	4017.74	113.88		0.00	0.00	113.88	3903.86
	05/17/04	4017.74	113.92		0.00	0.00	113.92	3903.82
	05/24/04	4017.74	113.83		0.00	0.00	113.83	3903.91
	06/01/04	4017.74	113.89		0.00	0.00	113.89	3903.85
	06/07/04	4017.74	113.80		0.00	0.00	113.80	3903.94
	06/15/04	4017.74	113.88		0.00	0.00	113.88	3903.86
	06/21/04	4017.74	113.90		0.00	0.00	113.90	3903.84
	06/28/04	4017.74	114.18		0.00	0.00	114.18	3903.56
	07/06/04	4017.74	114.01		0.00	0.00	114.01	3903.73
	07/12/04	4017.74	114.13		0.00	0.00	114.13	3903.61
	07/19/04	4017.74	114.06		0.00	0.00	114.06	3903.68
	07/26/04	4017.74	114.22		0.00	0.00	114.22	3903.52
	08/02/04	4017.74	114.07		0.00	0.00	114.07	3903.67
	08/10/04	4017.74	114.21		0.00	0.00	114.21	3903.53
	08/16/04	4017.74	114.08		0.00	0.00	114.08	3903.66
	08/23/04	4017.74	113.97		0.00	0.00	113.97	3903.77
	08/30/04	4017.74	114.13		0.00	0.00	114.13	3903.61
	09/08/04	4017.74	114.21		0.00	0.00	114.21	3903.53
	10/08/04	4017.74	114.15		0.00	0.00	114.15	3903.59
	12/30/04	4017.74	114.03		0.00	0.00	114.03	3903.71
	01/17/05	4017.74	114.39		0.00	0.00	114.39	3903.35
	02/09/05	4017.74	114.26		0.00	0.00	114.26	3903.48
	03/09/05	4017.74	114.29		0.00	0.00	114.29	3903.45
	04/05/05	4017.74	113.94		0.00	0.00	113.94	3903.80
	05/10/05	4017.74	114.01		0.00	0.00	114.01	3903.73
	06/08/05	4017.74	114.10		0.00	0.00	114.10	3903.64
	07/05/05	4017.74	114.40		0.00	0.00	114.40	3903.34
	08/08/05	4017.74	114.33		0.00	0.00	114.33	3903.41
	09/14/05	4017.74	114.24		0.00	0.00	114.24	3903.50
	10/12/05	4017.74	114.38		0.00	0.00	114.38	3903.36
	11/09/05	4017.74	114.48		0.00	0.00	114.48	3903.26
	12/14/05	4017.74	114.27		0.00	0.00	114.27	3903.47
	01/12/06	4017.74	114.17		0.00	0.00	114.17	3903.57
	02/02/06	4017.74	114.17		0.00	0.00	114.17	3903.57
	03/07/06	4017.74	114.36		0.00	0.00	114.36	3903.38
	04/05/06	4017.74	114.28		0.00	0.00	114.28	3903.46
	05/08/06	4017.74	114.25		0.00	0.00	114.25	3903.49
	06/05/06	4017.74	114.38		0.00	0.00	114.38	3903.36

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	07/11/06	4017.74	114.47		0.00	0.00	114.47	3903.27
	08/16/06	4017.74	114.58		0.00	0.00	114.58	3903.16
	09/07/06	4017.74	114.49		0.00	0.00	114.49	3903.25
	10/11/06	4017.74	114.51		0.00	0.00	114.51	3903.23
	11/08/06	4017.74	114.40		0.00	0.00	114.40	3903.34
	12/04/06	4017.74	115.00		0.00	0.00	115.00	3902.74
	01/04/07	4017.74	114.38		0.00	0.00	114.38	3903.36
	02/27/07	4017.74	114.41		0.00	0.00	114.41	3903.33
	03/20/07	4017.74	114.67		0.00	0.00	114.67	3903.07
	04/17/07	4017.74	114.47		0.00	0.00	114.47	3903.27
	05/07/07	4017.74	114.71		0.00	0.00	114.71	3903.03
	06/27/07	4017.74	114.65		0.00	0.00	114.65	3903.09
	07/19/07	4017.74	114.58		0.00	0.00	114.58	3903.16
	08/21/07	4017.74	114.56		0.00	0.00	114.56	3903.18
	09/17/07	4017.74	114.57		0.00	0.00	114.57	3903.17
	10/16/07	4017.74	114.51		0.00	0.00	114.51	3903.23
	11/20/07	4017.74	114.63		0.00	0.00	114.63	3903.11
	12/21/07	4017.74	114.46		0.00	0.00	114.46	3903.28
	01/22/08	4017.74	114.95		0.00	0.00	114.95	3902.79
	02/27/08	4017.74	114.99		0.00	0.00	114.99	3902.75
	03/25/08	4017.74	114.84		0.00	0.00	114.84	3902.90
	04/29/08	4017.74	114.87		0.00	0.00	114.87	3902.87
	05/05/08	4017.74	114.84		0.00	0.00	114.84	3902.90
	06/10/08	4017.74	114.86		0.00	0.00	114.86	3902.88
	07/15/08	4017.74	114.92		0.00	0.00	114.92	3902.82
	08/19/08	4017.74	114.94		0.00	0.00	114.94	3902.80
	09/16/08	4017.74	115.19		0.00	0.00	115.19	3902.55
	10/15/08	4017.74	115.15		0.00	0.00	115.15	3902.59
	11/12/08	4017.74	115.20		0.00	0.00	115.20	3902.54
	12/11/08	4017.74	115.06		0.00	0.00	115.06	3902.68
	01/13/09	4017.74	115.28		0.00	0.00	115.28	3902.46
	02/11/09	4017.74	114.99		0.00	0.00	114.99	3902.75
	03/10/09	4017.74	114.78		0.00	0.00	114.78	3902.96
	03/10/09	4017.74	114.90		0.00	0.00	114.90	3902.84
	05/01/09	4017.74	114.80		0.00	0.00	114.80	3902.94
	06/08/09	4017.74	114.70		0.00	0.00	114.70	3903.04
	07/13/09	4017.74	114.82		0.00	0.00	114.82	3902.92
	08/10/09	4017.74	114.83		0.00	0.00	114.83	3902.91
	09/15/09	4017.74	114.65		0.00	0.00	114.65	3903.09
	10/06/09	4017.74	114.55		0.00	0.00	114.55	3903.19
	11/09/09	4017.74	114.78		0.00	0.00	114.78	3902.96
	12/23/09	4017.74	114.25		0.00	0.00	114.25	3903.49
	01/20/10	4017.74	114.20		0.00	0.00	114.20	3903.54
	02/09/10	4017.74	114.78		0.00	0.00	114.78	3902.96
	03/09/10	4017.74	114.36		0.00	0.00	114.36	3903.38
	04/12/10	4017.74	114.65		0.00	0.00	114.65	3903.09
	05/24/10	4017.74	114.43		0.00	0.00	114.43	3903.31
	06/14/10	4017.74	114.56		0.00	0.00	114.56	3903.18
	07/20/10	4017.74	114.63		0.00	0.00	114.63	3903.11
	08/11/10	4017.74	114.64		0.00	0.00	114.64	3903.10
	09/21/10	4017.74	114.50		0.00	0.00	114.50	3903.24
	10/20/10	4017.74	114.65		0.00	0.00	114.65	3903.09

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	11/08/10	4017.74	114.51		0.00	0.00	114.51	3903.23
	12/07/10	4017.74	114.55		0.00	0.00	114.55	3903.19
	01/18/11	4017.74	114.53		0.00	0.00	114.53	3903.21
	02/08/11	4017.74	114.29		0.00	0.00	114.29	3903.45
	03/08/11	4017.74	114.30		0.00	0.00	114.30	3903.44
	04/13/11	4017.74	114.50		0.00	0.00	114.50	3903.24
	05/23/11	4017.74	114.45		0.00	0.00	114.45	3903.29
	06/28/11	4017.74	114.75		0.00	0.00	114.75	3902.99
	07/19/11	4017.74	114.60		0.00	0.00	114.60	3903.14
	08/31/11	4017.74	114.49		0.00	0.00	114.49	3903.25
	09/27/11	4017.74	114.51		0.00	0.00	114.51	3903.23
	10/24/11	4017.74	114.62		0.00	0.00	114.62	3903.12
	11/29/11	4017.74	114.74		0.00	0.00	114.74	3903.00
	12/23/11	4017.74	114.56		0.00	0.00	114.56	3903.18
	01/31/12	4017.74	114.45		0.00	0.00	114.45	3903.29
	02/29/12	4017.74	114.49		0.00	0.00	114.49	3903.25
	03/27/12	4017.74	114.43		0.00	0.00	114.43	3903.31
	04/18/12	4017.74	114.48		0.00	0.00	114.48	3903.26
	05/21/12	4017.74	114.70		0.00	0.00	114.70	3903.04
	07/17/12	4017.74	114.49		0.00	0.00	114.49	3903.25
	08/21/12	4017.74	114.47		0.00	0.00	114.47	3903.27
	09/17/12	4017.74	114.34		0.00	0.00	114.34	3903.40
	12/13/12	4017.74	114.61		0.00	0.00	114.61	3903.13
MW-17	09/20/02	3998.58	97.36		0.00	0.00	97.36	3901.22
	04/05/04	3998.58	97.28		0.00	0.00	97.28	3901.30
	05/17/04	3998.58	97.37		0.00	0.00	97.37	3901.21
	05/24/04	3998.58	97.35		0.00	0.00	97.35	3901.23
	06/01/04	3998.58	97.33		0.00	0.00	97.33	3901.25
	06/07/04	3998.58	97.41		0.00	0.00	97.41	3901.17
	06/15/04	3998.58	97.39		0.00	0.00	97.39	3901.19
	06/21/04	3998.58	97.41		0.00	0.00	97.41	3901.17
	06/28/04	3998.58	97.51		0.00	0.00	97.51	3901.07
	07/06/04	3998.58	97.45		0.00	0.00	97.45	3901.13
	07/12/04	3998.58	97.53		0.00	0.00	97.53	3901.05
	07/19/04	3998.58	97.49		0.00	0.00	97.49	3901.09
	07/26/04	3998.58	97.55		0.00	0.00	97.55	3901.03
	08/02/04	3998.58	97.51		0.00	0.00	97.51	3901.07
	08/10/04	3998.58	97.55		0.00	0.00	97.55	3901.03
	08/16/04	3998.58	97.56		0.00	0.00	97.56	3901.02
	08/23/04	3998.58	97.49		0.00	0.00	97.49	3901.09
	08/30/04	3998.58	97.53		0.00	0.00	97.53	3901.05
	09/08/04	3998.58	97.56		0.00	0.00	97.56	3901.02
	10/08/04	3998.58	97.58		0.00	0.00	97.58	3901.00
	12/30/04	3998.58	97.61		0.00	0.00	97.61	3900.97
	01/17/05	3998.58	97.72		0.00	0.00	97.72	3900.86
	02/09/05	3998.58	97.63		0.00	0.00	97.63	3900.95
	03/09/05	3998.58	97.68		0.00	0.00	97.68	3900.90
	04/05/05	3998.58	97.32		0.00	0.00	97.32	3901.26
	05/10/05	3998.58	97.41		0.00	0.00	97.41	3901.17
	06/08/05	3998.58	97.59		0.00	0.00	97.59	3900.99
	07/05/05	3998.58	97.68		0.00	0.00	97.68	3900.90
	08/08/05	3998.58	97.70		0.00	0.00	97.70	3900.88

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	09/14/05	3998.58	96.62		0.00	0.00	96.62	3901.96
	10/12/05	3998.58	97.76		0.00	0.00	97.76	3900.82
	11/09/05	3998.58	97.79		0.00	0.00	97.79	3900.79
	12/14/05	3998.58	97.66		0.00	0.00	97.66	3900.92
	01/12/06	3998.58	97.77		0.00	0.00	97.77	3900.81
	02/02/06	3998.58	97.50		0.00	0.00	97.50	3901.08
	03/07/06	3998.58	97.79		0.00	0.00	97.79	3900.79
	04/05/06	3998.58	97.53		0.00	0.00	97.53	3901.05
	05/08/06	3998.58	97.59		0.00	0.00	97.59	3900.99
	06/05/06	3998.58	97.74		0.00	0.00	97.74	3900.84
	07/11/06	3998.58	97.83		0.00	0.00	97.83	3900.75
	08/16/06	3998.58	98.87		0.00	0.00	98.87	3899.71
	09/07/06	3998.58	97.88		0.00	0.00	97.88	3900.70
	10/11/06	3998.58	97.83		0.00	0.00	97.83	3900.75
	11/08/06	3998.58	97.95		0.00	0.00	97.95	3900.63
	12/04/06	3998.58	98.25		0.00	0.00	98.25	3900.33
	01/04/07	3998.58	97.77		0.00	0.00	97.77	3900.81
	02/27/07	3998.58	97.76		0.00	0.00	97.76	3900.82
	03/20/07	3998.58	97.94		0.00	0.00	97.94	3900.64
	04/17/07	3998.58	97.85		0.00	0.00	97.85	3900.73
	05/07/07	3998.58	97.98		0.00	0.00	97.98	3900.60
	06/27/07	3998.58	97.86		0.00	0.00	97.86	3900.72
	07/19/07	3998.58	97.88		0.00	0.00	97.88	3900.70
	08/21/07	3998.58	97.81		0.00	0.00	97.81	3900.77
	09/17/07	3998.58	97.90		0.00	0.00	97.90	3900.68
	10/16/07	3998.58	97.91		0.00	0.00	97.91	3900.67
	11/20/07	3998.58	97.94		0.00	0.00	97.94	3900.64
	12/21/07	3998.58	98.05		0.00	0.00	98.05	3900.53
	01/22/08	3998.58	98.08		0.00	0.00	98.08	3900.50
	02/27/08	3998.58	98.11		0.00	0.00	98.11	3900.47
	03/25/08	3998.58	98.18		0.00	0.00	98.18	3900.40
	04/29/08	3998.58	98.15		0.00	0.00	98.15	3900.43
	05/05/08	3998.58	98.11		0.00	0.00	98.11	3900.47
	06/10/08	3998.58	98.84		0.00	0.00	98.84	3899.74
	07/15/08	3998.58	98.09		0.00	0.00	98.09	3900.49
	08/19/08	3998.58	98.14		0.00	0.00	98.14	3900.44
	09/16/08	3998.58	98.21		0.00	0.00	98.21	3900.37
	10/15/08	3998.58	98.25		0.00	0.00	98.25	3900.33
	11/12/08	3998.58	98.11		0.00	0.00	98.11	3900.47
	12/11/08	3998.58	98.19		0.00	0.00	98.19	3900.39
	01/13/09	3998.58	98.27		0.00	0.00	98.27	3900.31
	02/11/09	3998.58	98.10		0.00	0.00	98.10	3900.48
	03/10/09	3998.58	97.88		0.00	0.00	97.88	3900.70
	04/13/09	3998.58	97.96		0.00	0.00	97.96	3900.62
	05/01/09	3998.58	97.92		0.00	0.00	97.92	3900.66
	06/08/09	3998.58	97.82		0.00	0.00	97.82	3900.76
	07/13/09	3998.58	97.91		0.00	0.00	97.91	3900.67
	08/10/09	3998.58	97.98		0.00	0.00	97.98	3900.60
	09/15/09	3998.58	97.71		0.00	0.00	97.71	3900.87
	10/06/09	3998.58	97.57		0.00	0.00	97.57	3901.01
	11/09/09	3998.58	97.65		0.00	0.00	97.65	3900.93
	12/23/09	3998.58	97.45		0.00	0.00	97.45	3901.13

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	01/20/10	3998.58	97.44		0.00	0.00	97.44	3901.14
	02/09/10	3998.58	97.66		0.00	0.00	97.66	3900.92
	03/09/10	3998.58	97.42		0.00	0.00	97.42	3901.16
	04/12/10	3998.58	97.64		0.00	0.00	97.64	3900.94
	05/24/10	3998.58	97.41		0.00	0.00	97.41	3901.17
	06/14/10	3998.58	97.55		0.00	0.00	97.55	3901.03
	07/20/10	3998.58	97.59		0.00	0.00	97.59	3900.99
	08/11/10	3998.58	97.59		0.00	0.00	97.59	3900.99
	09/21/10	3998.58	97.51		0.00	0.00	97.51	3901.07
	10/20/10	3998.58	97.57		0.00	0.00	97.57	3901.01
	11/08/10	3998.58	97.51		0.00	0.00	97.51	3901.07
	12/07/10	3998.58	97.58		0.00	0.00	97.58	3901.00
	01/18/11	3998.58	97.39		0.00	0.00	97.39	3901.19
	02/08/11	3998.58	97.38		0.00	0.00	97.38	3901.20
	03/08/11	3998.58	97.24		0.00	0.00	97.24	3901.34
	04/13/11	3998.58	97.48		0.00	0.00	97.48	3901.10
	05/23/11	3998.58	97.37		0.00	0.00	97.37	3901.21
	06/28/11	3998.58	97.61		0.00	0.00	97.61	3900.97
	07/19/11	3998.58	97.56		0.00	0.00	97.56	3901.02
	08/31/11	3998.58	97.38		0.00	0.00	97.38	3901.20
	09/27/11	3998.58	97.42		0.00	0.00	97.42	3901.16
	10/24/11	3998.58	97.57		0.00	0.00	97.57	3901.01
	11/29/11	3998.58	97.57		0.00	0.00	97.57	3901.01
	12/23/11	3998.58	97.43		0.00	0.00	97.43	3901.15
	01/31/12	3998.58	97.41		0.00	0.00	97.41	3901.17
	02/29/12	3998.58	97.47		0.00	0.00	97.47	3901.11
	03/27/12	3998.58	97.39		0.00	0.00	97.39	3901.19
	04/18/12	3998.58	97.50		0.00	0.00	97.50	3901.08
	05/21/12	3998.58	97.63		0.00	0.00	97.63	3900.95
	07/17/12	3998.58	97.50		0.00	0.00	97.50	3901.08
	08/21/12	3998.58	97.44		0.00	0.00	97.44	3901.14
	09/17/12	3998.58	97.35		0.00	0.00	97.35	3901.23
	12/13/12	3998.58	97.55		0.00	0.00	97.55	3901.03
MW-18	09/20/02	3980.46	86.62		0.00	0.00	86.62	3893.84
	04/05/04	3980.46	86.61		0.00	0.00	86.61	3893.85
	05/17/04	3980.46	86.63		0.00	0.00	86.63	3893.83
	05/24/04	3980.46	86.58		0.00	0.00	86.58	3893.88
	06/01/04	3980.46	86.57		0.00	0.00	86.57	3893.89
	06/07/04	3980.46	86.50		0.00	0.00	86.50	3893.96
	06/15/04	3980.46	86.59		0.00	0.00	86.59	3893.87
	06/21/04	3980.46	86.60		0.00	0.00	86.60	3893.86
	06/28/04	3980.46	86.79		0.00	0.00	86.79	3893.67
	07/06/04	3980.46	86.74		0.00	0.00	86.74	3893.72
	07/12/04	3980.46	86.77		0.00	0.00	86.77	3893.69
	07/19/04	3980.46	86.76		0.00	0.00	86.76	3893.70
	07/26/04	3980.46	86.91		0.00	0.00	86.91	3893.55
	08/02/04	3980.46	86.81		0.00	0.00	86.81	3893.65
	08/10/04	3980.46	86.93		0.00	0.00	86.93	3893.53
	08/16/04	3980.46	86.90		0.00	0.00	86.90	3893.56
	08/23/04	3980.46	86.63		0.00	0.00	86.63	3893.83
	08/30/04	3980.46	86.86		0.00	0.00	86.86	3893.60
	09/08/04	3980.46	86.92		0.00	0.00	86.92	3893.54

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	10/08/04	3980.46	86.87		0.00	0.00	86.87	3893.59
	12/30/04	3980.46	86.74		0.00	0.00	86.74	3893.72
	01/17/05	3980.46	87.09		0.00	0.00	87.09	3893.37
	02/09/05	3980.46	86.97		0.00	0.00	86.97	3893.49
	03/09/05	3980.46	86.98		0.00	0.00	86.98	3893.48
	04/05/05	3980.46	86.64		0.00	0.00	86.64	3893.82
	05/10/05	3980.46	86.68		0.00	0.00	86.68	3893.78
	06/08/05	3980.46	86.75		0.00	0.00	86.75	3893.71
	07/05/05	3980.46	87.03		0.00	0.00	87.03	3893.43
	08/08/05	3980.46	86.97		0.00	0.00	86.97	3893.49
	09/14/05	3980.46	86.89		0.00	0.00	86.89	3893.57
	10/12/05	3980.46	87.03		0.00	0.00	87.03	3893.43
	11/09/05	3980.46	87.13		0.00	0.00	87.13	3893.33
	12/14/05	3980.46	86.93		0.00	0.00	86.93	3893.53
	01/12/06	3980.46	86.79		0.00	0.00	86.79	3893.67
	02/02/06	3980.46	86.80		0.00	0.00	86.80	3893.66
	03/07/06	3980.46	86.98		0.00	0.00	86.98	3893.48
	04/05/06	3980.46	86.91		0.00	0.00	86.91	3893.55
	05/08/06	3980.46	86.86		0.00	0.00	86.86	3893.60
	06/05/06	3980.46	87.00		0.00	0.00	87.00	3893.46
	07/11/06	3980.46	87.08		0.00	0.00	87.08	3893.38
	08/16/06	3980.46	87.19		0.00	0.00	87.19	3893.27
	09/07/06	3980.46	87.13		0.00	0.00	87.13	3893.33
	10/11/06	3980.46	87.14		0.00	0.00	87.14	3893.32
	11/08/06	3980.46	87.06		0.00	0.00	87.06	3893.40
	12/04/06	3980.46	87.66		0.00	0.00	87.66	3892.80
	01/04/07	3980.46	87.13		0.00	0.00	87.13	3893.33
	02/27/07	3980.46	87.05		0.00	0.00	87.05	3893.41
	03/20/07	3980.46	87.31		0.00	0.00	87.31	3893.15
	04/17/07	3980.46	87.12		0.00	0.00	87.12	3893.34
	05/07/07	3980.46	87.36		0.00	0.00	87.36	3893.10
	06/17/07	3980.46	87.29		0.00	0.00	87.29	3893.17
	07/19/07	3980.46	87.21		0.00	0.00	87.21	3893.25
	08/21/07	3980.46	87.19		0.00	0.00	87.19	3893.27
	09/17/07	3980.46	87.22		0.00	0.00	87.22	3893.24
	10/16/07	3980.46	87.17		0.00	0.00	87.17	3893.29
	11/20/07	3980.46	87.23		0.00	0.00	87.23	3893.23
	12/21/07	3980.46	87.07		0.00	0.00	87.07	3893.39
	01/22/08	3980.46	87.56		0.00	0.00	87.56	3892.90
	02/26/08	3980.46	87.58		0.00	0.00	87.58	3892.88
	03/25/08	3980.46	87.43		0.00	0.00	87.43	3893.03
	04/29/08	3980.46	87.46		0.00	0.00	87.46	3893.00
	05/05/08	3980.46	87.43		0.00	0.00	87.43	3893.03
	06/10/08	3980.46	87.43		0.00	0.00	87.43	3893.03
	07/15/08	3980.46	87.48		0.00	0.00	87.48	3892.98
	08/19/08	3980.46	87.50		0.00	0.00	87.50	3892.96
	09/16/08	3980.46	87.81		0.00	0.00	87.81	3892.65
	10/15/08	3980.46	no data					
	11/12/08	3980.46	87.46		0.00	0.00	87.46	3893.00
	12/11/08	3980.46	87.69		0.00	0.00	87.69	3892.77
	01/13/09	3980.46	87.87		0.00	0.00	87.87	3892.59
	02/11/09	3980.46	87.58		0.00	0.00	87.58	3892.88

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	03/10/09	3980.46	87.39		0.00	0.00	87.39	3893.07
	04/13/09	3980.46	87.53		0.00	0.00	87.53	3892.93
	05/01/09	3980.46	87.37		0.00	0.00	87.37	3893.09
	06/08/09	3980.46	87.26		0.00	0.00	87.26	3893.20
	07/13/09	3980.46	87.38		0.00	0.00	87.38	3893.08
	08/10/09	3980.46	87.39		0.00	0.00	87.39	3893.07
	09/15/09	3980.46	87.21		0.00	0.00	87.21	3893.25
	10/06/09	3980.46	87.12		0.00	0.00	87.12	3893.34
	11/09/09	3980.46	87.12		0.00	0.00	87.12	3893.34
	12/23/09	3980.46	86.80		0.00	0.00	86.80	3893.66
	01/20/10	3980.46	86.74		0.00	0.00	86.74	3893.72
	02/09/10	3980.46	87.35		0.00	0.00	87.35	3893.11
	03/09/10	3980.46	86.93		0.00	0.00	86.93	3893.53
	04/12/10	3980.46	87.25		0.00	0.00	87.25	3893.21
	05/24/10	3980.46	87.00		0.00	0.00	87.00	3893.46
	06/14/10	3980.46	87.12		0.00	0.00	87.12	3893.34
	07/20/10	3980.46	87.19		0.00	0.00	87.19	3893.27
	08/11/10	3980.46	87.27		0.00	0.00	87.27	3893.19
	09/21/10	3980.46	87.08		0.00	0.00	87.08	3893.38
	10/20/10	3980.46	87.28		0.00	0.00	87.28	3893.18
	11/08/10	3980.46	87.10		0.00	0.00	87.10	3893.36
	12/07/10	3980.46	87.18		0.00	0.00	87.18	3893.28
	01/18/11	3980.46	87.17		0.00	0.00	87.17	3893.29
	02/08/11	3980.46	86.94		0.00	0.00	86.94	3893.52
	03/08/11	3980.46	86.94		0.00	0.00	86.94	3893.52
	04/13/11	3980.46	87.19		0.00	0.00	87.19	3893.27
	05/23/11	3980.46	87.11		0.00	0.00	87.11	3893.35
	06/28/11	3980.46	87.40		0.00	0.00	87.40	3893.06
	07/19/11	3980.46	87.29		0.00	0.00	87.29	3893.17
	08/31/11	3980.46	87.17		0.00	0.00	87.17	3893.29
	09/27/11	3980.46	87.25		0.00	0.00	87.25	3893.21
	10/24/11	3980.46	87.33		0.00	0.00	87.33	3893.13
	11/29/11	3980.46	87.44		0.00	0.00	87.44	3893.02
	12/23/11	3980.46	87.29		0.00	0.00	87.29	3893.17
	01/31/12	3980.46	87.22		0.00	0.00	87.22	3893.24
	02/29/12	3980.46	87.27		0.00	0.00	87.27	3893.19
	03/27/12	3980.46	87.25		0.00	0.00	87.25	3893.21
	04/18/12	3980.46	87.30		0.00	0.00	87.30	3893.16
	05/21/12	3980.46	87.53		0.00	0.00	87.53	3892.93
	07/17/12	3980.46	87.33		0.00	0.00	87.33	3893.13
	08/21/12	3980.46	87.32		0.00	0.00	87.32	3893.14
	09/17/12	3980.46	87.20		0.00	0.00	87.20	3893.26
	12/13/12	3980.46	87.47		0.00	0.00	87.47	3892.99
MW-19	09/20/02	4037.34	117.23		0.00	0.00	116.67	3920.67
	04/05/04	4037.34	116.67		0.00	0.00	116.67	3920.67
	05/17/04	4037.34	116.62		0.00	0.00	116.62	3920.72
	05/24/04	4037.34	116.59		0.00	0.00	116.59	3920.75
	06/01/04	4037.34	116.57		0.00	0.00	116.57	3920.77
	06/07/04	4037.34	116.59		0.00	0.00	116.59	3920.75
	06/15/04	4037.34	116.53		0.00	0.00	116.53	3920.81
	06/21/04	4037.34	116.63		0.00	0.00	116.63	3920.71
	06/28/04	4037.34	116.68		0.00	0.00	116.68	3920.66

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	07/06/04	4037.34	116.65		0.00	0.00	116.65	3920.69
	07/12/04	4037.34	116.66		0.00	0.00	116.66	3920.68
	07/19/04	4037.34	116.68		0.00	0.00	116.68	3920.66
	07/26/04	4037.34	116.73		0.00	0.00	116.73	3920.61
	08/02/04	4037.34	116.71		0.00	0.00	116.71	3920.63
	08/10/04	4037.34	116.71		0.00	0.00	116.71	3920.63
	08/16/04	4037.34	116.74		0.00	0.00	116.74	3920.60
	08/23/04	4037.34	116.69		0.00	0.00	116.69	3920.65
	08/30/04	4037.34	116.69		0.00	0.00	116.69	3920.65
	09/08/04	4037.34	116.73		0.00	0.00	116.73	3920.61
	10/08/04	4037.34	116.78		0.00	0.00	116.78	3920.56
	12/30/04	4037.34	116.76		0.00	0.00	116.76	3920.58
	01/17/05	4037.34	116.78		0.00	0.00	116.78	3920.56
	02/09/05	4037.34	116.76		0.00	0.00	116.76	3920.58
	03/09/05	4037.34	116.70		0.00	0.00	116.70	3920.64
	04/05/05	4037.34	116.64		0.00	0.00	116.64	3920.70
	05/10/05	4037.34	116.63		0.00	0.00	116.63	3920.71
	06/08/05	4037.34	116.57		0.00	0.00	116.57	3920.77
	07/05/05	4037.34	116.64		0.00	0.00	116.64	3920.70
	08/08/05	4037.34	116.77		0.00	0.00	116.77	3920.57
	09/15/05	4037.34	116.71		0.00	0.00	116.71	3920.63
	10/12/05	4037.34	116.70		0.00	0.00	116.70	3920.64
	11/09/05	4037.34	116.74		0.00	0.00	116.74	3920.60
	12/14/05	4037.34	116.74		0.00	0.00	116.74	3920.60
	01/12/06	4037.34	116.73		0.00	0.00	116.73	3920.61
	02/02/06	4037.34	116.70		0.00	0.00	116.70	3920.64
	03/07/06	4037.34	116.72		0.00	0.00	116.72	3920.62
	04/05/06	4037.34	116.68		0.00	0.00	116.68	3920.66
	05/08/06	4037.34	116.61		0.00	0.00	116.61	3920.73
	06/05/06	4037.34	116.66		0.00	0.00	116.66	3920.68
	07/11/06	4037.34	116.73		0.00	0.00	116.73	3920.61
	08/16/06	4037.34	116.74		0.00	0.00	116.74	3920.60
	09/07/06	4037.34	116.74		0.00	0.00	116.74	3920.60
	10/11/06	4037.34	116.80		0.00	0.00	116.80	3920.54
	11/08/06	4037.34	116.79		0.00	0.00	116.79	3920.55
	12/04/06	4037.34	116.90		0.00	0.00	116.90	3920.44
	01/04/07	4037.34	116.65		0.00	0.00	116.65	3920.69
	02/27/07	4037.34	116.71		0.00	0.00	116.71	3920.63
	03/20/07	4037.34	116.76		0.00	0.00	116.76	3920.58
	04/17/07	4037.34	116.61		0.00	0.00	116.61	3920.73
	05/07/07	4037.34	116.66		0.00	0.00	116.66	3920.68
	06/27/07	4037.34	116.59		0.00	0.00	116.59	3920.75
	07/19/07	4037.34	116.65		0.00	0.00	116.65	3920.69
	08/21/07	4037.34	116.63		0.00	0.00	116.63	3920.71
	09/17/07	4037.34	116.70		0.00	0.00	116.70	3920.64
	10/16/07	4037.34	116.66		0.00	0.00	116.66	3920.68
	11/20/07	4037.34	116.78		0.00	0.00	116.78	3920.56
	12/21/07	4037.34	116.64		0.00	0.00	116.64	3920.70
	01/22/08	4037.34	116.88		0.00	0.00	116.88	3920.46
	02/27/08	4037.34	117.04		0.00	0.00	117.04	3920.30
	03/25/08	4037.34	116.88		0.00	0.00	116.88	3920.46
	04/29/08	4037.34	116.89		0.00	0.00	116.89	3920.45

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	05/05/08	4037.34	116.82		0.00	0.00	116.82	3920.52
	06/10/08	4037.34	116.79		0.00	0.00	116.79	3920.55
	07/15/08	4037.34	116.88		0.00	0.00	116.88	3920.46
	08/19/08	4037.34	116.89		0.00	0.00	116.89	3920.45
	09/16/08	4037.34	117.17		0.00	0.00	117.17	3920.17
	10/15/08	4037.34	117.09		0.00	0.00	117.09	3920.25
	11/12/08	4037.34	116.82		0.00	0.00	116.82	3920.52
	12/11/08	4037.34	117.09		0.00	0.00	117.09	3920.25
	01/13/09	4037.34	117.28		0.00	0.00	117.28	3920.06
	02/11/09	4037.34	116.83		0.00	0.00	116.83	3920.51
	03/10/09	4037.34	116.78		0.00	0.00	116.78	3920.56
	04/13/09	4037.34	116.80		0.00	0.00	116.80	3920.54
	05/01/09	4037.34	116.77		0.00	0.00	116.77	3920.57
	06/08/09	4037.34	116.61		0.00	0.00	116.61	3920.73
	07/13/09	4037.34	116.78		0.00	0.00	116.78	3920.56
	08/10/09	4037.34	116.74		0.00	0.00	116.74	3920.60
	09/15/09	4037.34	116.62		0.00	0.00	116.62	3920.72
	10/06/09	4037.34	116.47		0.00	0.00	116.47	3920.87
	11/09/09	4037.34	116.64		0.00	0.00	116.64	3920.70
	12/23/09	4037.34	116.29		0.00	0.00	116.29	3921.05
	01/20/10	4037.34	116.27		0.00	0.00	116.27	3921.07
	02/09/10	4037.34	116.61		0.00	0.00	116.61	3920.73
	03/09/10	4037.34	116.32		0.00	0.00	116.32	3921.02
	04/12/10	4037.34	116.62		0.00	0.00	116.62	3920.72
	05/24/10	4037.34	116.37		0.00	0.00	116.37	3920.97
	06/14/10	4037.34	116.51		0.00	0.00	116.51	3920.83
	07/20/10	4037.34	116.59		0.00	0.00	116.59	3920.75
	08/11/10	4037.34	116.58		0.00	0.00	116.58	3920.76
	09/21/10	4037.34	116.49		0.00	0.00	116.49	3920.85
	10/20/10	4037.34	116.60		0.00	0.00	116.60	3920.74
	11/08/10	4037.34	116.52		0.00	0.00	116.52	3920.82
	12/07/10	4037.34	116.57		0.00	0.00	116.57	3920.77
	01/18/11	4037.34	116.38		0.00	0.00	116.38	3920.96
	02/08/11	4037.34	116.37		0.00	0.00	116.37	3920.97
	03/08/11	4037.34	116.21		0.00	0.00	116.21	3921.13
	04/13/11	4037.34	116.12		0.00	0.00	116.12	3921.22
	05/23/11	4037.34	116.35		0.00	0.00	116.35	3920.99
	06/28/11	4037.34	116.57		0.00	0.00	116.57	3920.77
	07/19/11	4037.34	116.49		0.00	0.00	116.49	3920.85
	08/31/11	4037.34	116.37		0.00	0.00	116.37	3920.97
	09/27/11	4037.34	116.38		0.00	0.00	116.38	3920.96
	10/24/11	4037.34	116.55		0.00	0.00	116.55	3920.79
	11/29/11	4037.34	116.63		0.00	0.00	116.63	3920.71
	12/23/11	4037.34	116.35		0.00	0.00	116.35	3920.99
	01/31/12	4037.34	116.35		0.00	0.00	116.35	3920.99
	02/29/12	4037.34	116.39		0.00	0.00	116.39	3920.95
	03/27/12	4037.34	116.30		0.00	0.00	116.30	3921.04
	04/18/12	4037.34	116.39		0.00	0.00	116.39	3920.95
	05/21/12	4037.34	116.54		0.00	0.00	116.54	3920.80
	07/17/12	4037.34	116.36		0.00	0.00	116.36	3920.98
	08/21/12	4037.34	116.33		0.00	0.00	116.33	3921.01
	09/17/12	4037.34	116.25		0.00	0.00	116.25	3921.09

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	12/13/12	4037.34	116.42		0.00	0.00	116.42	3920.92
MW-20	09/20/02	3976.92	75.90		0.00	0.00	75.90	3901.02
	04/05/04	3976.92	76.13		0.00	0.00	76.13	3900.79
	05/17/04	3976.92	76.16		0.00	0.00	76.16	3900.76
	05/24/04	3976.92	76.11		0.00	0.00	76.11	3900.81
	06/01/04	3976.92	76.14		0.00	0.00	76.14	3900.78
	06/07/04	3976.92	76.10		0.00	0.00	76.10	3900.82
	06/15/04	3976.92	76.17		0.00	0.00	76.17	3900.75
	06/21/04	3976.92	76.15		0.00	0.00	76.15	3900.77
	06/28/04	3976.92	76.36		0.00	0.00	76.36	3900.56
	07/06/04	3976.92	76.24		0.00	0.00	76.24	3900.68
	07/12/04	3976.92	76.31		0.00	0.00	76.31	3900.61
	07/19/04	3976.92	76.26		0.00	0.00	76.26	3900.66
	07/26/04	3976.92	76.41		0.00	0.00	76.41	3900.51
	08/02/04	3976.92	76.28		0.00	0.00	76.28	3900.64
	08/10/04	3976.92	76.37		0.00	0.00	76.37	3900.55
	08/16/04	3976.92	76.32		0.00	0.00	76.32	3900.60
	08/23/04	3976.92	76.13		0.00	0.00	76.13	3900.79
	08/30/04	3976.92	76.30		0.00	0.00	76.30	3900.62
	09/08/04	3976.92	76.02		0.00	0.00	76.02	3900.90
	10/08/04	3976.92	74.45		0.00	0.00	74.45	3902.47
	12/30/04	3976.92	73.18		0.00	0.00	73.18	3903.74
	01/17/05	3976.92	73.89		0.00	0.00	73.89	3903.03
	02/09/05	3976.92	74.27		0.00	0.00	74.27	3902.65
	03/09/05	3976.92	74.86		0.00	0.00	74.86	3902.06
	04/05/05	3976.92	75.03		0.00	0.00	75.03	3901.89
	05/10/05	3976.92	75.28		0.00	0.00	75.28	3901.64
	06/08/05	3976.92	75.48		0.00	0.00	75.48	3901.44
	07/05/05	3976.92	75.58		0.00	0.00	75.58	3901.34
	08/08/05	3976.92	75.82		0.00	0.00	75.82	3901.10
	09/14/05	3976.92	74.48		0.00	0.00	74.48	3902.44
	10/12/05	3976.92	73.79		0.00	0.00	73.79	3903.13
	11/09/05	3976.92	74.19		0.00	0.00	74.19	3902.73
	12/14/05	3976.92	75.01		0.00	0.00	75.01	3901.91
	01/12/06	3976.92	75.47		0.00	0.00	75.47	3901.45
	02/02/06	3976.92	75.50		0.00	0.00	75.50	3901.42
	03/07/06	3976.92	75.75		0.00	0.00	75.75	3901.17
	04/05/06	3976.92	75.88		0.00	0.00	75.88	3901.04
	05/08/06	3976.92	75.89		0.00	0.00	75.89	3901.03
	06/05/06	3976.92	77.15		0.00	0.00	77.15	3899.77
	07/11/06	3976.92	76.18		0.00	0.00	76.18	3900.74
	08/16/06	3976.92	76.12		0.00	0.00	76.12	3900.80
	09/07/06	3976.92	76.26		0.00	0.00	76.26	3900.66
	06/27/07	3976.92	12.45		0.00	0.00	12.45	3964.47
	07/19/07	3976.92	79.91		0.00	0.00	79.91	3897.01
	08/21/07	3976.92	76.44		0.00	0.00	76.44	3900.48
	09/17/07	3976.92	76.58		0.00	0.00	76.58	3900.34
	10/16/07	3976.92	76.52		0.00	0.00	76.52	3900.40
	11/20/07	3976.92	76.60		0.00	0.00	76.60	3900.32
	12/21/07	3977.52	76.48		0.00	0.00	76.48	3901.04
	01/22/08	3977.52	76.75		0.00	0.00	76.75	3900.77
	02/27/08	3977.52	76.80		0.00	0.00	76.80	3900.72

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	03/25/08	3977.52	76.70		0.00	0.00	76.70	3900.82
	04/29/08	3977.52	76.70		0.00	0.00	76.70	3900.82
	05/05/08	3977.52	76.68		0.00	0.00	76.68	3900.84
	06/10/08	3977.52	76.75		0.00	0.00	76.75	3900.77
	07/15/08	3977.52	76.71		0.00	0.00	76.71	3900.81
	08/19/08	3977.52	76.73		0.00	0.00	76.73	3900.79
	09/16/08	3977.52	76.92		0.00	0.00	76.92	3900.60
	10/15/08	3977.52	76.66		0.00	0.00	76.66	3900.86
	11/12/08	3977.52	76.33		0.00	0.00	76.33	3901.19
	12/11/08	3977.52	76.38		0.00	0.00	76.38	3901.14
	01/13/09	3977.52	76.55		0.00	0.00	76.55	3900.97
	02/11/09	3977.52	76.36		0.00	0.00	76.36	3901.16
	03/10/09	3977.52	76.30		0.00	0.00	76.30	3901.22
	04/13/09	3977.52	76.46		0.00	0.00	76.46	3901.06
	05/01/09	3977.52	76.41		0.00	0.00	76.41	3901.11
	06/08/09	3977.52	76.35		0.00	0.00	76.35	3901.17
	07/13/09	3977.52	76.46		0.00	0.00	76.46	3901.06
	08/10/09	3977.52	76.47		0.00	0.00	76.47	3901.05
	09/15/09	3977.52	76.21		0.00	0.00	76.21	3901.31
	10/06/09	3977.52	76.05		0.00	0.00	76.05	3901.47
	11/09/09	3977.52	76.24		0.00	0.00	76.24	3901.28
	12/23/09	3977.52	75.91		0.00	0.00	75.91	3901.61
	01/20/10	3977.52	75.88		0.00	0.00	75.88	3901.64
	02/09/10	3977.52	76.35		0.00	0.00	76.35	3901.17
	03/09/10	3977.52	76.13		0.00	0.00	76.13	3901.39
	04/12/10	3977.52	76.36		0.00	0.00	76.36	3901.16
	05/24/10	3977.52	76.24		0.00	0.00	76.24	3901.28
	06/14/10	3977.52	76.35		0.00	0.00	76.35	3901.17
	07/20/10	3977.52	76.39		0.00	0.00	76.39	3901.13
	08/11/10	3977.52	76.42		0.00	0.00	76.42	3901.10
	09/21/10	3977.52	76.33		0.00	0.00	76.33	3901.19
	10/20/10	3977.52	76.45		0.00	0.00	76.45	3901.07
	11/08/10	3977.52	76.39		0.00	0.00	76.39	3901.13
	12/07/10	3977.52	76.45		0.00	0.00	76.45	3901.07
	01/18/11	3977.52	76.45		0.00	0.00	76.45	3901.07
	02/08/11	3977.52	76.31		0.00	0.00	76.31	3901.21
	03/08/11	3977.52	76.34		0.00	0.00	76.34	3901.18
	04/13/11	3977.52	76.52		0.00	0.00	76.52	3901.00
	05/23/11	3977.52	76.52		0.00	0.00	76.52	3901.00
	06/28/11	3977.52	76.71		0.00	0.00	76.71	3900.81
	07/19/11	3977.52	76.57		0.00	0.00	76.57	3900.95
	08/31/11	3977.52	76.52		0.00	0.00	76.52	3901.00
	09/27/11	3977.52	76.53		0.00	0.00	76.53	3900.99
	10/24/11	3977.52	76.64		0.00	0.00	76.64	3900.88
	11/29/11	3977.52	76.73		0.00	0.00	76.73	3900.79
	12/23/11	3977.52	76.63		0.00	0.00	76.63	3900.89
	01/31/12	3977.52	76.59		0.00	0.00	76.59	3900.93
	02/29/12	3977.52	76.63		0.00	0.00	76.63	3900.89
	03/27/12	3977.52	76.64		0.00	0.00	76.64	3900.88
	04/18/12	3977.52	76.69		0.00	0.00	76.69	3900.83
	05/21/12	3977.52	76.82		0.00	0.00	76.82	3900.70
	07/17/12	3977.52	76.70		0.00	0.00	76.70	3900.82

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	08/21/12	3977.52	76.70		0.00	0.00	76.70	3900.82
	09/17/12	3977.52	76.61		0.00	0.00	76.61	3900.91
	12/13/12	3977.52	76.85		0.00	0.00	76.85	3900.67
SK-1	03/22/02	4002.94	74.07	74.02	0.05	0.04	74.03	3928.91
	09/16/02	4002.94	74.40	74.38	0.02	0.02	74.38	3928.56
	04/05/04	4002.94	76.81	74.30	2.51	2.01	74.80	3928.14
	05/17/04	4002.94	80.67	78.17	2.50	2.00	78.67	3924.27
	06/21/04	4002.94	84.37	81.68	2.69	2.15	82.22	3920.72
	06/21/04	4002.94	80.95	78.28	2.67	2.14	78.81	3924.13
	06/07/04	4002.94	80.72	78.04	2.68	2.14	78.58	3924.36
	06/15/04	4002.94	80.69	78.03	2.66	2.13	78.56	3924.38
	06/21/04	4002.94	80.86	78.18	2.68	2.14	78.72	3924.22
	06/28/04	4002.94	80.95	78.30	2.65	2.12	78.83	3924.11
	07/06/04	4002.94	79.99	78.34	1.65	1.32	78.67	3924.27
	07/12/04	4002.94	81.03	78.38	2.65	2.12	78.91	3924.03
	07/19/04	4002.94	81.16	78.38	2.78	2.22	78.94	3924.00
	07/26/04	4002.94	81.41	78.56	2.85	2.28	79.13	3923.81
	08/02/04	4002.94	81.73	78.46	3.27	2.62	79.11	3923.83
	08/10/04	4002.94	82.15	77.99	4.16	3.33	78.82	3924.12
	08/16/04	4002.94	82.84	77.77	5.07	4.06	78.78	3924.16
	08/23/04	4002.94	83.75	77.61	6.14	4.91	78.84	3924.10
	08/30/04	4002.94	84.42	77.41	7.01	5.61	78.81	3924.13
	09/08/04	4002.94	85.19	77.00	8.19	6.55	78.64	3924.30
	10/08/04	4002.94	86.99	76.24	10.75	8.60	78.39	3924.55
	12/30/04	4002.94	85.50	76.35	9.15	7.32	78.18	3924.76
	01/17/05	4002.94	82.03	76.16	5.87	4.70	77.33	3925.61
	02/09/05	4002.94	84.30	76.99	7.31	5.85	78.45	3924.49
	03/09/05	4002.94	84.20	76.83	7.37	5.90	78.30	3924.64
	04/05/05	4002.94	84.18	76.56	7.62	6.10	78.08	3924.86
	05/10/05	4002.94	84.08	76.42	7.66	6.13	77.95	3924.99
	06/08/05	4002.94	82.13	77.20	4.93	3.94	78.19	3924.75
	07/05/05	4002.94	82.29	77.27	5.02	4.02	78.27	3924.67
	08/08/05	4002.94	82.73	76.89	5.84	4.67	78.06	3924.88
	09/14/05	4002.94	79.55	75.51	4.04	3.23	76.32	3926.62
	10/12/05	4002.94	78.91	75.49	3.42	2.74	76.17	3926.77
	11/09/05	4002.94	78.76	75.44	3.32	2.66	76.10	3926.84
	12/14/05	4002.94	79.87	75.41	4.46	3.57	76.30	3926.64
	01/12/06	4002.94	78.57	75.72	2.85	2.28	76.29	3926.65
	02/02/06	4002.94	79.51	77.03	2.48	1.98	77.53	3925.41
	03/07/06	4002.94	82.32	77.57	4.75	3.80	78.52	3924.42
	04/05/06	4002.94	79.47	79.43	0.04	0.03	79.44	3923.50
	05/08/06	4002.94	78.33	78.01	0.32	0.26	78.07	3924.87
	06/05/06	4002.94	78.61	78.60	0.01	0.01	78.60	3924.34
	07/11/06	4002.94	78.28	77.64	0.64	0.51	77.77	3925.17
	08/16/06	4002.94	76.67	76.14	0.53	0.42	76.25	3926.69
	08/30/06	4002.94	76.56	76.04	0.52	0.42	76.14	3926.80
	09/07/06	4002.94	77.87	77.33	0.54	0.43	77.44	3925.50
	10/11/06	4002.94	78.24	77.66	0.58	0.46	77.78	3925.16
	11/08/06	4002.94	77.92	77.92	0.00	0.00	77.92	3925.02
	12/04/06	4002.94	78.43	78.43	0.00	0.00	78.43	3924.51
	01/04/07	4002.94	77.76	77.75	0.01	0.01	77.75	3925.19
	02/27/07	4002.94	77.15	77.14	0.01	0.01	77.14	3925.80

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	03/20/07	4002.94	80.27	80.24	0.03	0.02	80.25	3922.69
	04/17/07	4002.94	80.48	80.44	0.04	0.03	80.45	3922.49
	05/07/07	4002.94	78.17	78.12	0.05	0.04	78.13	3924.81
	06/27/07	4002.94	77.88	77.79	0.09	0.07	77.81	3925.13
	07/19/07	4002.94	77.73	77.65	0.08	0.06	77.67	3925.27
	08/21/07	4002.94	77.69	77.61	0.08	0.06	77.63	3925.31
	09/17/07	4002.94	77.60	77.52	0.08	0.06	77.54	3925.40
	10/16/07	4002.94	77.46	77.43	0.03	0.02	77.44	3925.50
	11/20/07	4002.94	77.44	77.37	0.07	0.06	77.38	3925.56
	12/21/07	4005.60	77.25	77.18	0.07	0.06	77.19	3928.41
	01/22/08	4005.60	76.16	76.08	0.08	0.06	76.10	3929.50
	02/27/08	4005.60	76.15	76.08	0.07	0.06	76.09	3929.51
	03/25/08	4005.60	77.32	77.24	0.08	0.06	77.26	3928.34
	04/29/08	4005.60	77.40	77.32	0.08	0.06	77.34	3928.26
	05/05/08	4005.60	77.27	77.26	0.01	0.01	77.26	3928.34
	06/10/08	4005.60	77.36	77.28	0.08	0.06	77.30	3928.30
	07/15/08	4005.60	77.34	77.26	0.08	0.06	77.28	3928.32
	08/19/08	4005.60	75.35	75.27	0.08	0.06	75.29	3930.31
	09/16/08	4005.60	75.45	75.38	0.07	0.06	75.39	3930.21
	10/15/08	4005.60	76.13	76.05	0.08	0.06	76.07	3929.53
	11/12/08	4005.60	75.45	75.38	0.07	0.06	75.39	3930.21
	12/11/08	4005.60	77.15	77.08	0.07	0.06	77.09	3928.51
	01/13/09	4005.60	77.37	77.31	0.06	0.05	77.32	3928.28
	02/11/09	4005.60	77.20	77.14	0.06	0.05	77.15	3928.45
	03/10/09	4005.60	76.96	76.89	0.07	0.06	76.90	3928.70
	04/13/09	4005.60	77.08	77.01	0.07	0.06	77.02	3928.58
	05/01/09	4005.60	76.93	76.64	0.29	0.23	76.70	3928.90
	06/08/09	4005.60	76.90	76.77	0.13	0.10	76.80	3928.80
	07/13/09	4005.60	76.98	76.75	0.23	0.18	76.80	3928.80
	08/10/09	4005.60	76.97	76.81	0.16	0.13	76.84	3928.76
	09/15/09	4005.60	77.10	76.55	0.55	0.44	76.66	3928.94
	10/06/09	4005.60	77.24	76.58	0.66	0.53	76.71	3928.89
	11/09/09	4005.60	77.51	76.53	0.98	0.78	76.73	3928.87
	12/23/09	4005.60	77.40	76.81	0.59	0.47	76.93	3928.67
	01/20/10	4005.60	77.52	76.01	1.51	1.21	76.31	3929.29
	02/09/10	4005.60	78.82	77.23	1.59	1.27	77.55	3928.05
	03/09/10	4005.60	79.35		0.00	0.00	79.35	3926.25
	04/12/10	4005.60	77.98	77.76	0.22	0.18	77.80	3927.80
	05/24/10	4005.60	77.12	76.74	0.38	0.30	76.82	3928.78
	06/14/10	4005.60	77.51	76.95	0.56	0.45	77.06	3928.54
	07/20/10	4005.60	77.30	76.75	0.55	0.44	76.86	3928.74
	08/11/10	4005.60	77.36	76.81	0.55	0.44	76.92	3928.68
	09/21/10	4005.60	77.29	76.73	0.56	0.45	76.84	3928.76
	09/28/10	4005.60	77.06	76.84	0.22	0.18	76.88	3928.72
	10/20/10	4005.60	77.20	76.80	0.40	0.32	76.88	3928.72
	11/08/10	4005.60	77.18	76.75	0.43	0.34	76.84	3928.76
	12/07/10	4005.60	77.71	77.18	0.53	0.42	77.29	3928.31
	01/18/11	4005.60	78.90	78.17	0.73	0.58	78.32	3927.28
	02/08/11	4005.60	NM					
	03/08/11	4005.60	75.85	74.94	0.91	0.73	75.12	3930.48
	04/13/11	4005.60	75.86	74.85	1.01	0.81	75.05	3930.55
	05/23/11	4005.60	75.75	74.84	0.91	0.73	75.02	3930.58

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	06/28/11	4005.60	80.10	79.00	1.10	0.88	79.22	3926.38
	07/19/11	4005.60	80.19	79.06	1.13	0.90	79.29	3926.31
	08/31/11	4005.60	80.50	79.25	1.25	1.00	79.50	3926.10
	09/27/11	4005.60	80.46	79.20	1.26	1.01	79.45	3926.15
	10/24/11	4005.60	77.73	76.37	1.36	1.09	76.64	3928.96
	11/29/11	4005.60	80.15	78.78	1.37	1.10	79.05	3926.55
	12/23/11	4005.60	81.36	79.96	1.40	1.12	80.24	3925.36
	01/31/12	4005.60	78.25	78.10	0.15	0.12	78.13	3927.47
	02/29/12	4005.60	79.77	79.58	0.19	0.15	79.62	3925.98
	03/27/12	4005.60	79.50	79.05	0.45	0.36	79.14	3926.46
	04/18/12	4005.60	80.10	79.65	0.45	0.36	79.74	3925.86
	05/21/12	4005.60	80.40	79.91	0.49	0.39	80.01	3925.59
	07/17/12	4005.60	76.51	75.95	0.56	0.45	76.06	3929.54
	08/21/12	4005.60	75.36	74.98	0.38	0.30	75.06	3930.54
	09/17/12	4005.60	76.03	75.73	0.30	0.24	75.79	3929.81
	12/13/12	4005.60	76.27	75.96	0.31	0.25	76.02	3929.58
SK-2	12/19/02	4004.99	72.89	72.89	0.00	0.00	72.89	3932.10
	12/20/02	4004.99	74.08	73.73	0.35	0.28	73.80	3931.19
	12/30/02	4004.99	74.01	73.63	0.38	0.30	73.71	3931.28
	01/03/03	4004.99	74.42	73.79	0.63	0.50	73.92	3931.07
	01/07/03	4004.99	74.72	74.05	0.67	0.54	74.18	3930.81
	01/10/03	4004.99	75.38	73.74	1.64	1.31	74.07	3930.92
	01/15/03	4004.99	74.32	73.71	0.61	0.49	73.83	3931.16
	01/21/03	4004.99	74.53	73.60	0.93	0.74	73.79	3931.20
	02/17/03	4004.99	74.19	73.70	0.49	0.39	73.80	3931.19
	05/28/03	4004.99	74.54	73.79	0.75	0.60	73.94	3931.05
	06/07/04	4004.99	78.94	75.29	3.65	2.92	76.02	3928.97
	06/15/04	4004.99	79.21	75.38	3.83	3.06	76.15	3928.84
	06/21/04	4004.99	79.03	75.45	3.58	2.86	76.17	3928.82
	06/28/04	4004.99	79.63	75.62	4.01	3.21	76.42	3928.57
	07/06/04	4004.99	79.46	75.59	3.87	3.10	76.36	3928.63
	07/12/04	4004.99	79.61	75.68	3.93	3.14	76.47	3928.52
	07/19/04	4004.99	79.28	75.74	3.54	2.83	76.45	3928.54
	07/26/04	4004.99	79.63	75.83	3.80	3.04	76.59	3928.40
	08/02/04	4004.99	79.37	75.79	3.58	2.86	76.51	3928.48
	08/10/04	4004.99	79.59	75.85	3.74	2.99	76.60	3928.39
	08/16/04	4004.99	79.48	75.90	3.58	2.86	76.62	3928.37
	08/23/04	4004.99	78.97	75.83	3.14	2.51	76.46	3928.53
	08/30/04	4004.99	79.52	75.96	3.56	2.85	76.67	3928.32
	09/08/04	4004.99	79.62	76.01	3.61	2.89	76.73	3928.26
	10/08/04	4004.99	79.41	76.10	3.31	2.65	76.76	3928.23
	12/30/04	4004.99	79.14	76.16	2.98	2.38	76.76	3928.23
	01/17/05	4004.99	78.16	75.96	2.20	1.76	76.40	3928.59
	02/09/05	4004.99	79.31	76.31	3.00	2.40	76.91	3928.08
	03/09/05	4004.99	79.24	76.36	2.88	2.30	76.94	3928.05
	04/05/05	4004.99	78.57	76.17	2.40	1.92	76.65	3928.34
	05/10/05	4004.99	78.55	76.20	2.35	1.88	76.67	3928.32
	06/08/05	4004.99	77.68	76.58	1.10	0.88	76.80	3928.19
	07/05/05	4004.99	78.06	76.73	1.33	1.06	77.00	3927.99
	08/08/05	4004.99	76.63		0.00	0.00	76.63	3928.36
	09/14/05	4004.99	77.03	75.91	1.12	0.90	76.13	3928.86
	10/12/05	4004.99	76.58	75.77	0.81	0.65	75.93	3929.06

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	11/09/05	4004.99	76.61	75.61	1.00	0.80	75.81	3929.18
	12/14/05	4004.99	76.93	75.76	1.17	0.94	75.99	3929.00
	01/12/06	4004.99	75.93	75.34	0.59	0.47	75.46	3929.53
	02/02/06	4004.99	76.60	75.64	0.96	0.77	75.83	3929.16
	03/07/06	4004.99	77.84	76.07	1.77	1.42	76.42	3928.57
	04/05/06	4004.99	78.40	76.26	2.14	1.71	76.69	3928.30
	05/08/06	4004.99	77.64	77.64	0.00	0.00	77.64	3927.35
	06/05/06	4004.99	76.85	76.07	0.78	0.62	76.23	3928.76
	07/11/06	4004.99	76.30	75.76	0.54	0.43	75.87	3929.12
	08/16/06	4004.99	74.80		0.00	0.00	74.80	3930.19
	08/30/06	4004.99	74.77	74.66	0.11	0.09	74.68	3930.31
	09/07/06	4004.99	75.64	75.24	0.40	0.32	75.32	3929.67
	10/11/06	4004.99	77.51	77.51	0.00	0.00	77.51	3927.48
	11/08/06	4004.99	74.99	74.99	0.00	0.00	74.99	3930.00
	12/04/06	4004.99	75.46	75.46	0.00	0.00	75.46	3929.53
	01/04/07	4004.99	74.79		0.00	0.00	74.79	3930.20
	02/27/07	4004.99	75.02	74.93	0.09	0.07	74.95	3930.04
	03/20/07	4004.99	75.98	75.72	0.26	0.21	75.77	3929.22
	04/17/07	4004.99	76.26	76.00	0.26	0.21	76.05	3928.94
	05/07/07	4004.99	75.91	75.64	0.27	0.22	75.69	3929.30
	06/27/07	4004.99	75.68	75.44	0.24	0.19	75.49	3929.50
	07/19/07	4004.99	75.28		0.00	0.00	75.28	3929.71
	08/21/07	4004.99	75.41	75.21	0.20	0.16	75.25	3929.74
	09/17/07	4004.99	75.25	75.17	0.08	0.06	75.19	3929.80
	10/16/07	4004.99	75.22	75.05	0.17	0.14	75.08	3929.91
	11/20/07	4004.99	75.20	75.03	0.17	0.14	75.06	3929.93
	12/21/07	4004.99	75.02	74.89	0.13	0.10	74.92	3930.07
	01/22/08	4004.99	74.98	74.86	0.12	0.10	74.88	3930.11
	02/27/08	4004.99	74.33	74.25	0.08	0.06	74.27	3930.72
	03/25/08	4004.99	74.86	74.77	0.09	0.07	74.79	3930.20
	04/29/08	4004.99	75.02	74.95	0.07	0.06	74.96	3930.03
	05/05/08	4004.99	74.99	74.21	0.78	0.62	74.37	3930.62
	06/10/08	4004.99	75.06	74.99	0.07	0.06	75.00	3929.99
	07/15/08	4004.99	75.08	75.00	0.08	0.06	75.02	3929.97
	08/19/08	4004.99	74.28	74.19	0.09	0.07	74.21	3930.78
	09/16/08	4004.99	74.32	74.28	0.04	0.03	74.29	3930.70
	10/15/08	4004.99	74.28	74.22	0.06	0.05	74.23	3930.76
	11/12/08	4004.99	74.16	74.10	0.06	0.05	74.11	3930.88
	12/11/08	4004.99	74.90	74.85	0.05	0.04	74.86	3930.13
	01/13/09	4004.99	75.12	75.09	0.03	0.02	75.10	3929.89
	02/11/09	4004.99	74.91	74.86	0.05	0.04	74.87	3930.12
	03/10/09	4004.99	74.77	74.73	0.04	0.03	74.74	3930.25
	04/13/09	4004.99	74.86	74.81	0.05	0.04	74.82	3930.17
	05/01/09	4004.99	74.72	74.66	0.06	0.05	74.67	3930.32
	06/08/09	4004.99	74.65	74.60	0.05	0.04	74.61	3930.38
	07/13/09	4004.99	74.73	74.69	0.04	0.03	74.70	3930.29
	08/10/09	4004.99	74.76	74.71	0.05	0.04	74.72	3930.27
	09/15/09	4004.99	74.65	74.60	0.05	0.04	74.61	3930.38
	10/06/09	4004.99	74.61	74.54	0.07	0.06	74.55	3930.44
	11/09/09	4004.99	74.91	74.73	0.18	0.14	74.77	3930.22
	12/23/09	4004.99	74.74	74.22	0.52	0.42	74.32	3930.67
	01/20/10	4004.99	74.86	74.17	0.69	0.55	74.31	3930.68

APPENDIX B
HISTORICAL WATER LEVEL MEASUREMENTS
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Casing Elevation	Depth to Water	Depth to L.P.H.	L.P.H. Thickness	L.P.H. Thickness X 0.8	Adjusted Depth to Water	Groundwater Elevation
	02/09/10	4004.99	75.86	75.00	0.86	0.69	75.17	3929.82
	03/09/10	4004.99	75.70	74.54	1.16	0.93	74.77	3930.22
	04/12/10	4004.99	76.47	74.88	1.59	1.27	75.20	3929.79
	05/24/10	4004.99	75.17	74.57	0.60	0.48	74.69	3930.30
	06/14/10	4004.99	76.66		0.00	0.00	76.66	3928.33
	07/20/10	4004.99	75.07	74.81	0.26	0.21	74.86	3930.13
	08/11/10	4004.99	75.14	74.82	0.32	0.26	74.88	3930.11
	09/21/10	4004.99	75.11	74.69	0.42	0.34	74.77	3930.22
	09/28/10	4004.99	75.20	74.88	0.32	0.26	74.94	3930.05
	10/20/10	4004.99	75.28	74.97	0.31	0.25	75.03	3929.96
	11/08/10	4004.99	75.17	74.78	0.39	0.31	74.86	3930.13
	12/07/10	4004.99	75.47	74.97	0.50	0.40	75.07	3929.92
	01/18/11	4004.99	76.03	75.21	0.82	0.66	75.37	3929.62
	02/08/11	4004.99	NM					
	03/08/11	4004.99	74.43	74.18	0.25	0.20	74.23	3930.76
	04/13/11	4004.99	74.25	74.03	0.22	0.18	74.07	3930.92
	05/23/11	4004.99	74.02	73.83	0.19	0.15	73.87	3931.12
	06/28/11	4004.99	75.53	75.32	0.21	0.17	75.36	3929.63
	07/19/11	4004.99	75.57	75.39	0.18	0.14	75.43	3929.56
	08/31/11	4004.99	75.75	75.50	0.25	0.20	75.55	3929.44
	09/27/11	4004.99	76.01	75.63	0.38	0.30	75.71	3929.28
	10/24/11	4004.99	75.91	75.31	0.60	0.48	75.43	3929.56
	11/29/11	4004.99	76.85	75.84	1.01	0.81	76.04	3928.95
	12/23/11	4004.99	77.28	75.98	1.30	1.04	76.24	3928.75
	01/31/12	4004.99	78.76	75.71	3.05	2.44	76.32	3928.67
	02/29/12	4004.99	77.07	76.03	1.04	0.83	76.24	3928.75
	03/27/12	4004.99	77.07	75.98	1.09	0.87	76.20	3928.79
	04/18/12	4004.99	77.19	76.14	1.05	0.84	76.35	3928.64
	05/21/12	4004.99	77.51	76.42	1.09	0.87	76.64	3928.35
	07/17/12	4004.99	75.57	75.04	0.53	0.42	75.15	3929.84
	08/21/12	4004.99	76.22	75.91	0.31	0.25	75.97	3929.02
	09/17/12	4004.99	75.10	74.77	0.33	0.26	74.84	3930.15
	12/13/12	4004.99	75.19	74.93	0.26	0.21	74.98	3930.01

Notes:

L.P.H. = Liquid Phase Hydrocarbon

NM = not measured

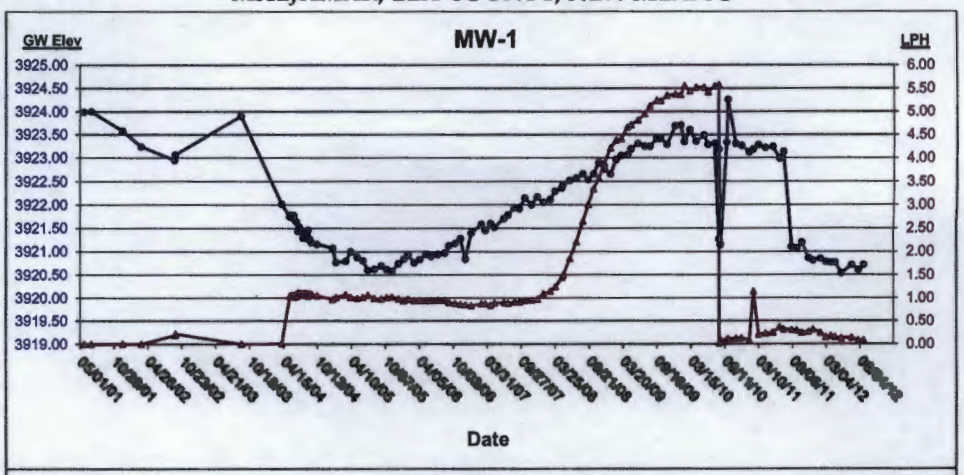
Blank Fields Indicate No Data

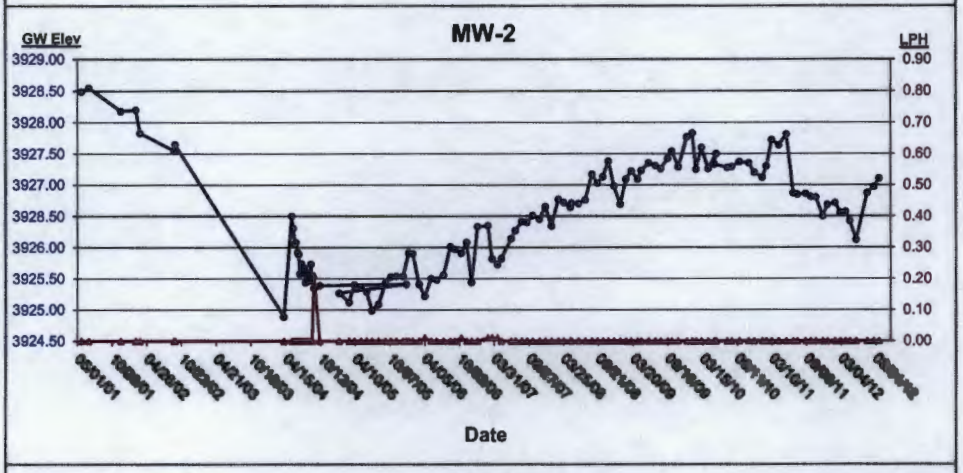
* Wells re-surveyed for location and elevation of top of casing on 12/21/07.

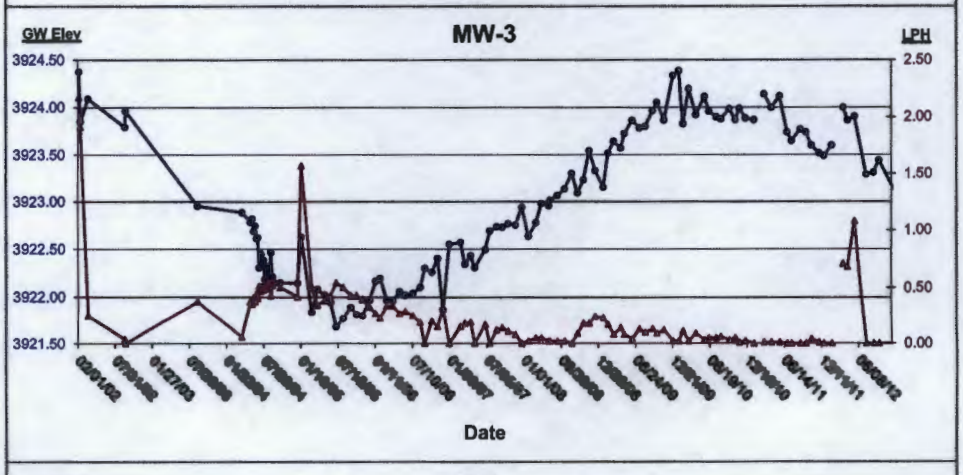
APPENDIX C

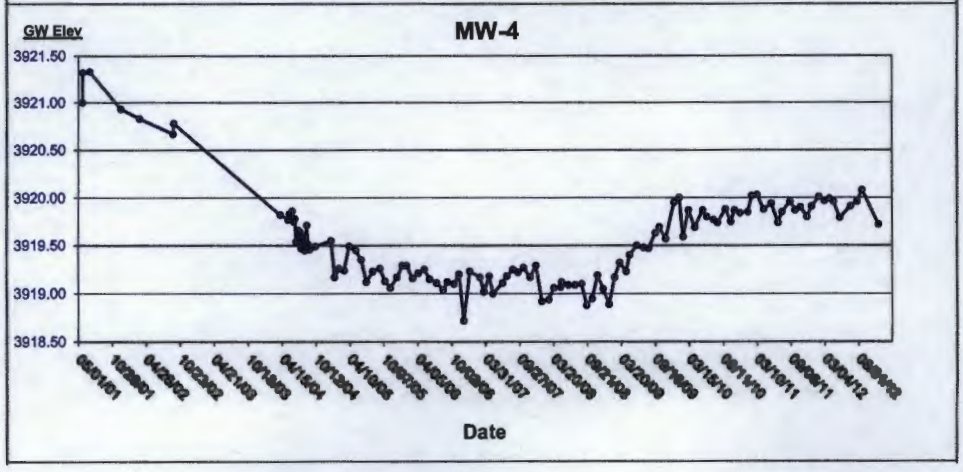
HYDROGRAPHS

HYDROGRAPHS
PHILLIPS 66 COMPANY - MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

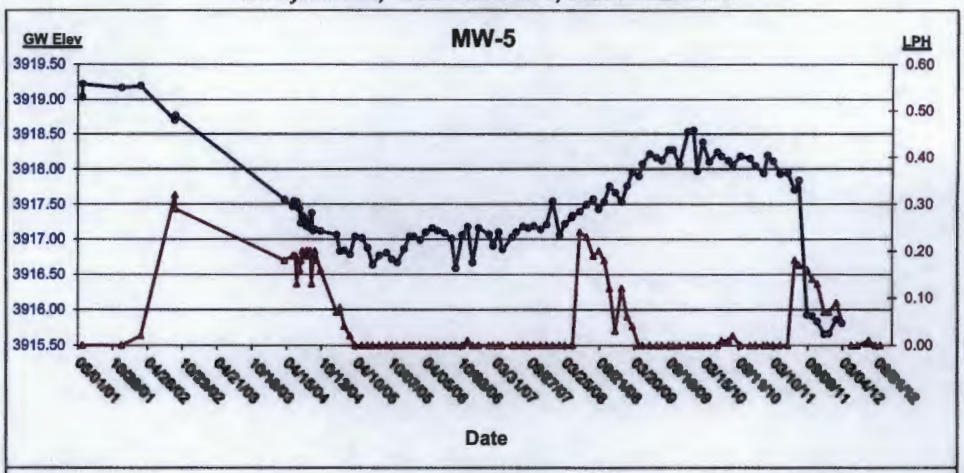


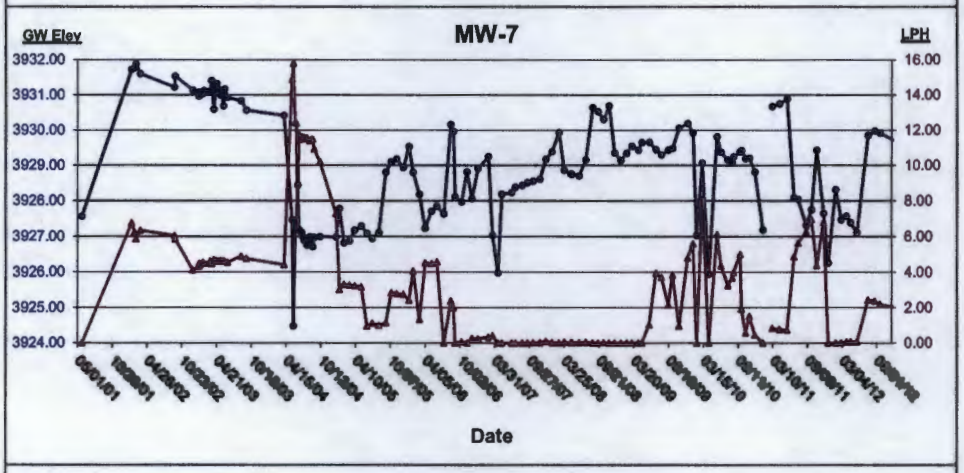


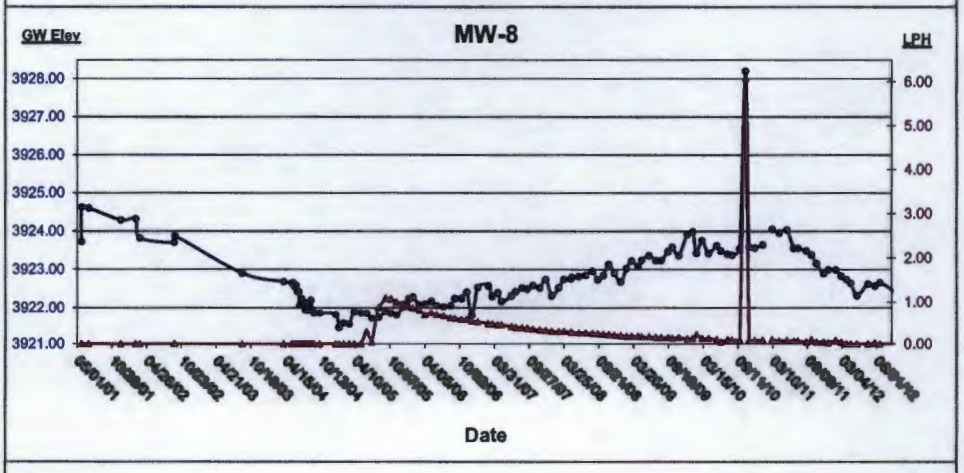


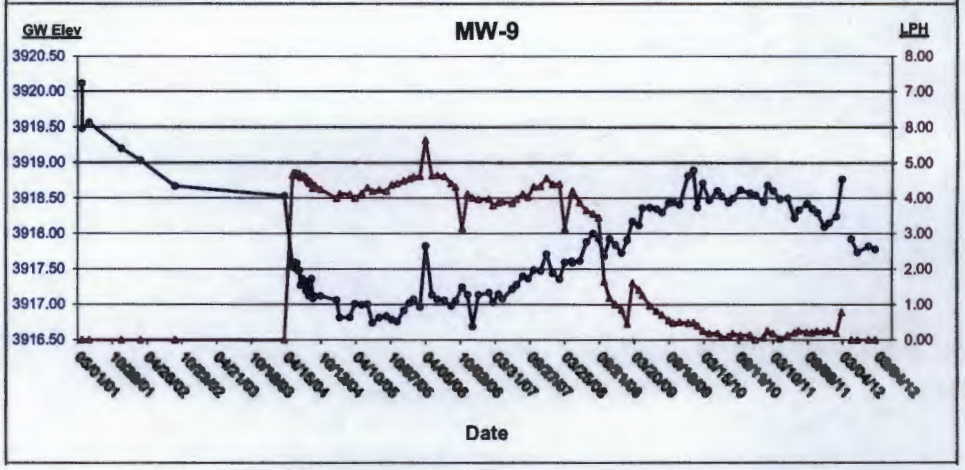


HYDROGRAPHS
PHILLIPS 66 COMPANY - MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

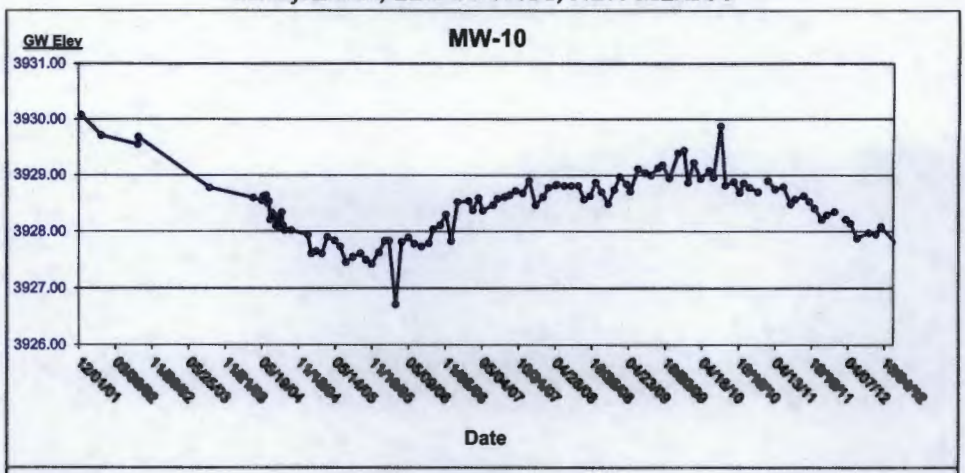


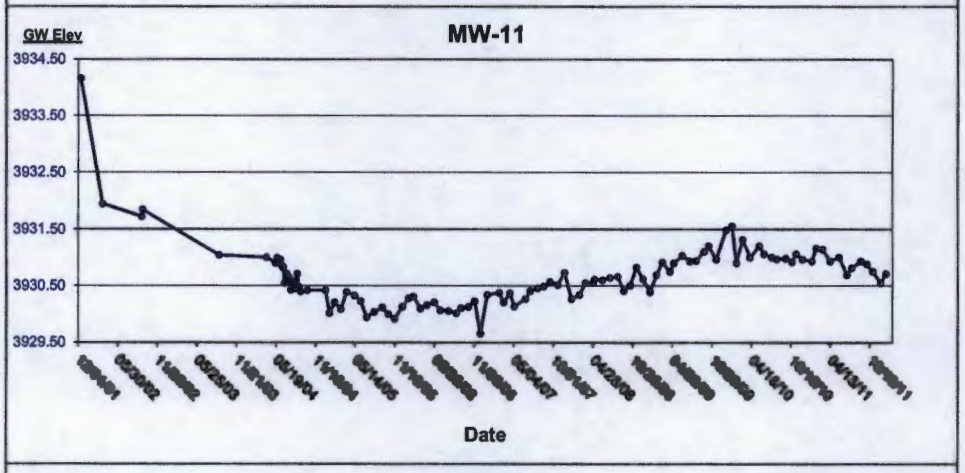


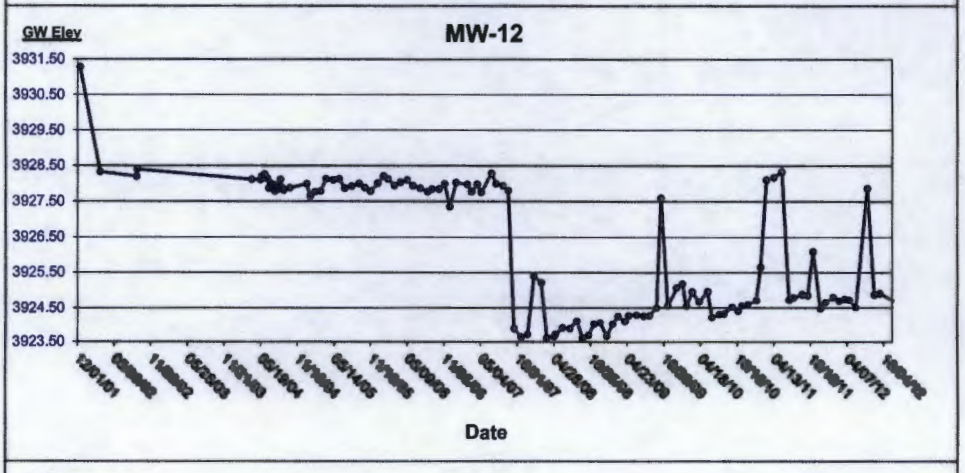


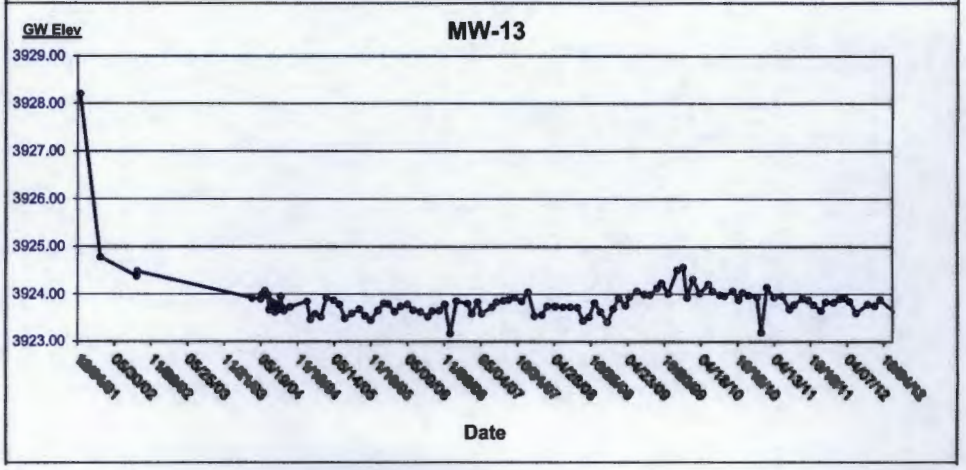


HYDROGRAPHS
PHILLIPS 66 COMPANY - MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

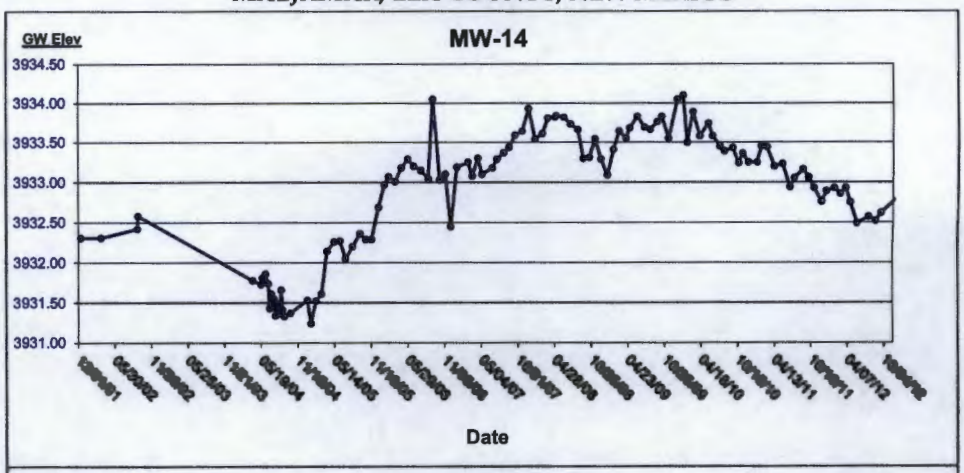


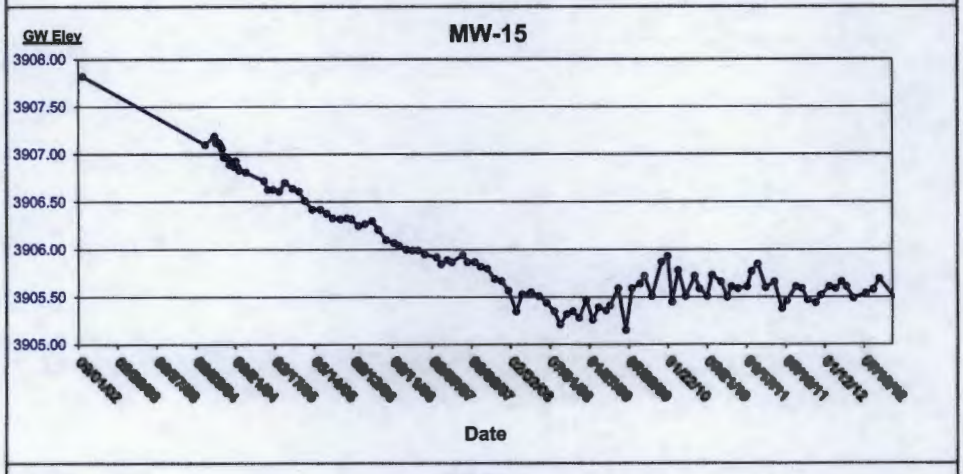


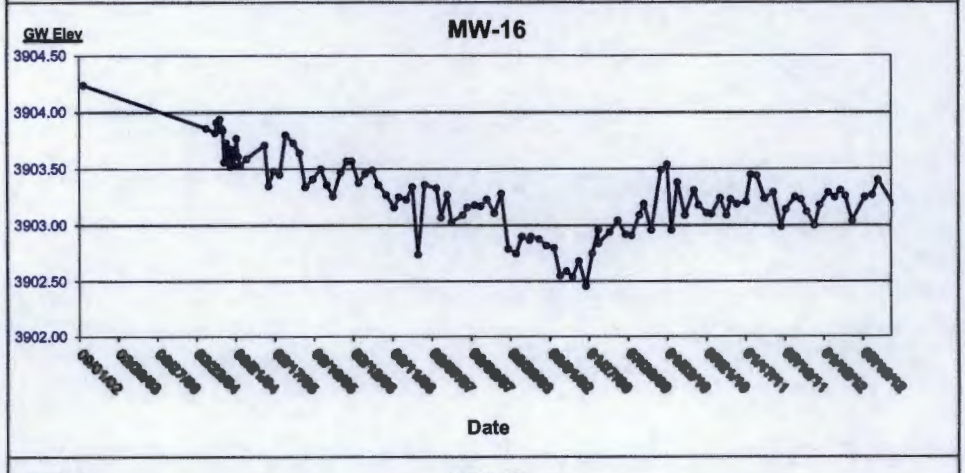


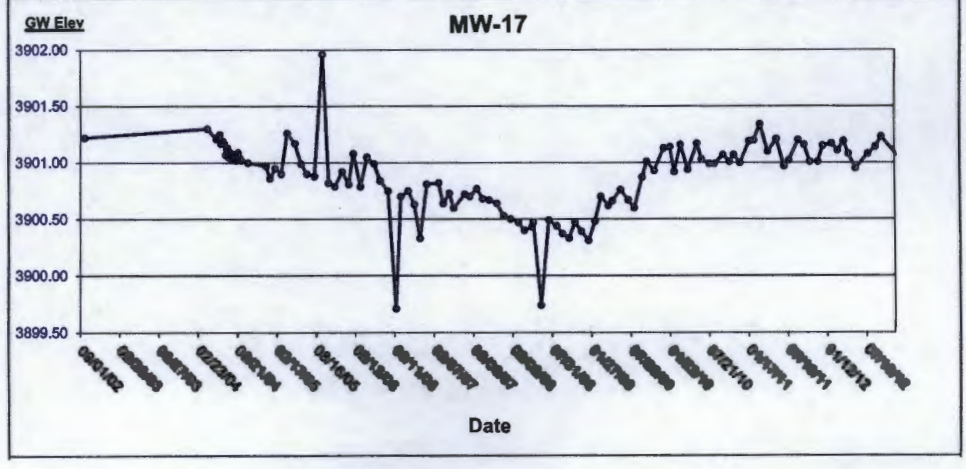


HYDROGRAPHS
PHILLIPS 66 COMPANY - MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

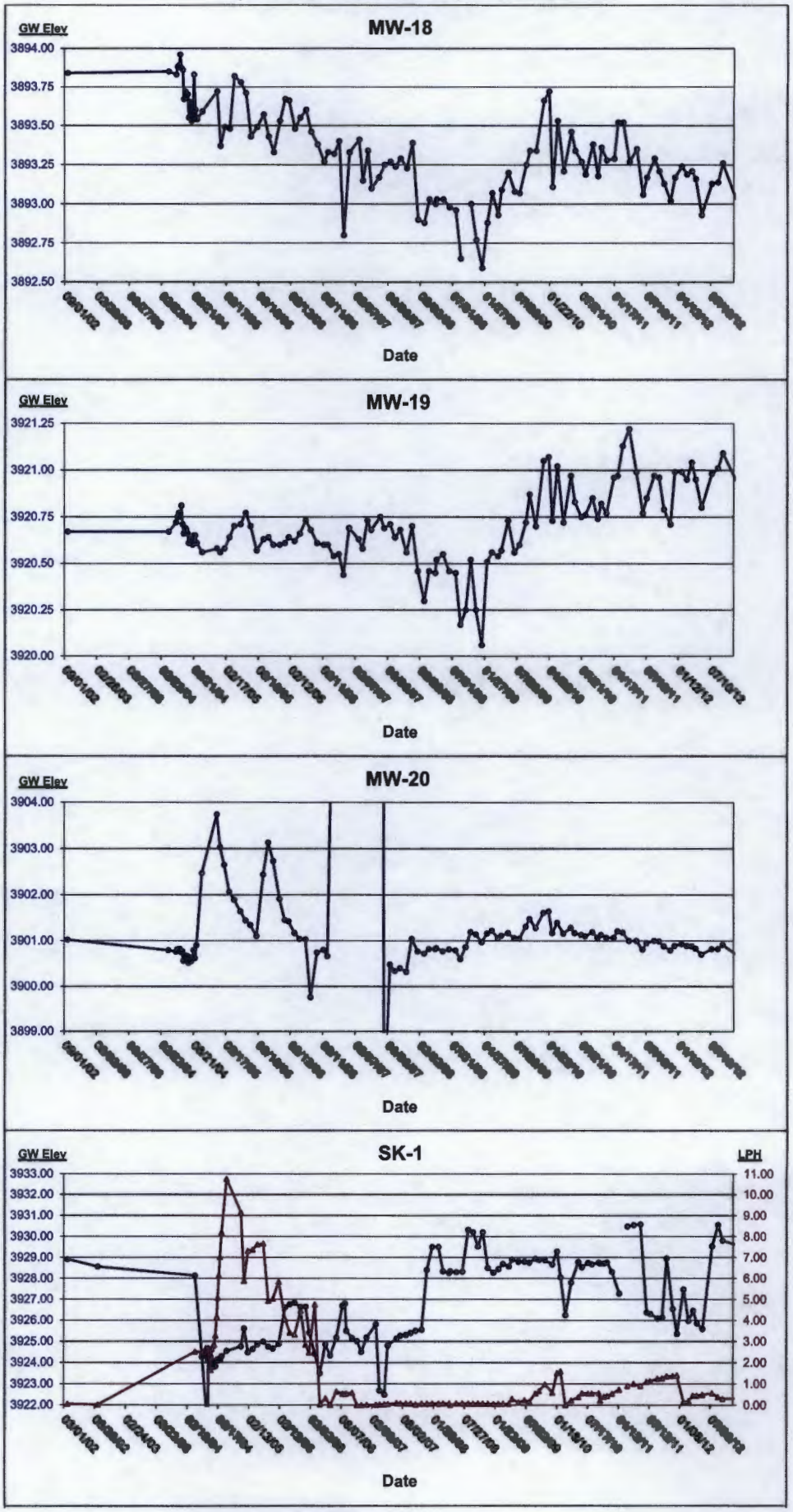




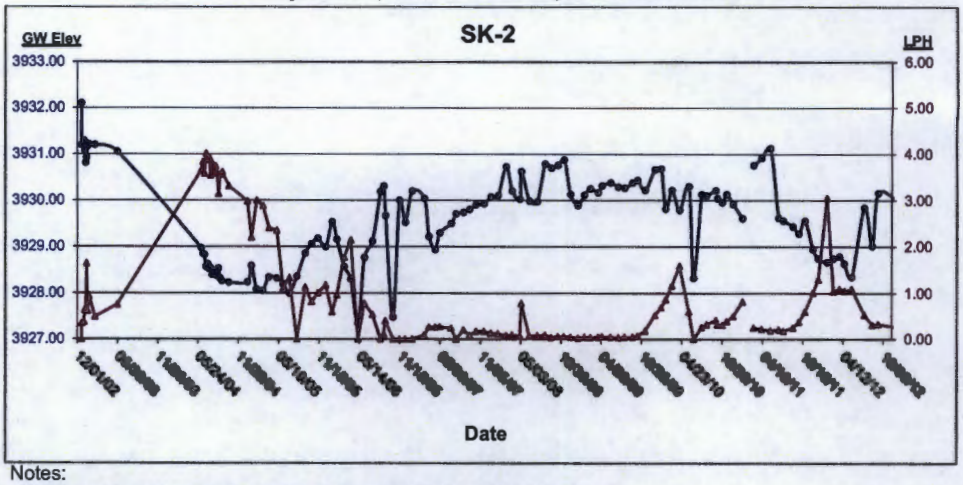




HYDROGRAPHS
PHILLIPS 66 COMPANY - MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO



HYDROGRAPHS
PHILLIPS 66 COMPANY - MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

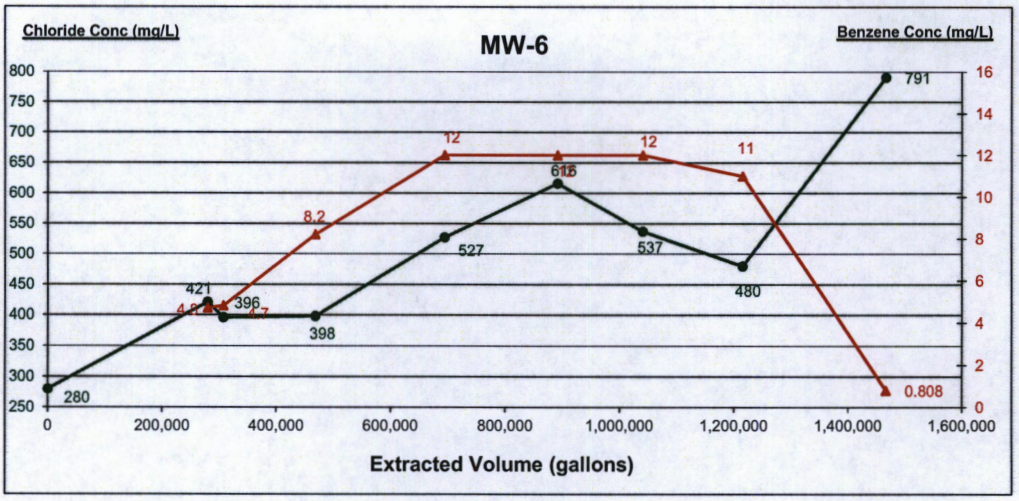


Notes:
GW Elev = Groundwater Elevation in Feet Above Mean Sea Level
LPH = Liquid Phase Hydrocarbon Thickness in Feet

APPENDIX D

CONCENTRATION VS. EXTRACTED VOLUME GRAPH

CONCENTRATION VS EXTRACTED VOLUME GRAPH
PHILLIPS 66 COMPANY - MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO



Notes:
TDS = Total Dissolved Solids
mg/L = Milligrams per liter

APPENDIX E

GROUNDWATER ANALYTICAL RESULTS SUMMARY-BTEX- 2007 THROUGH 2012

APPENDIX E
GROUNDWATER ANALYTICAL RESULTS SUMMARY-BTEX
2007 THROUGH 2012
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	*Sample Date*	*Benzene (mg/L)*	*Toluene (mg/L)*	*Ethylbenzene (mg/L)*	*Xylenes (mg/L)*
WW	05/08/07	ND	ND	ND	ND
	05/06/08	ND	ND	ND	ND
	05/05/09	ND	ND	ND	ND
	05/25/10	ND	ND	ND	ND
	05/24/11	<0.002	<0.002	<0.002	<0.006
	10/25/11	<0.001	<0.0046	<0.001	<0.003
	07/17/12	<0.001	<0.001	<0.001	<0.003
MW-2	05/08/07	54	12.0	ND	ND
	05/06/08	49	12.0	570.57	0.42 J
	05/05/09	48	12	0.6 J	0.48 J
	05/25/10	49	13	0.64	0.44
	05/24/11	51.3	12.9	0.679	0.571
	10/25/11	49.4	11.8	1.110	<0.003
	07/17/12	48.1	11.9	0.741	<1.5
MW-3	07/17/12	17.1	1.9	0.338	0.278
MW-4	05/08/07	0.0077	ND	0.036	0.045
	05/06/08	0.10	ND	0.047	0.049
	05/05/09	0.15	ND	0.043	0.039
	05/25/10	0.084	ND	0.045	0.0418
	05/24/11	0.0475	<0.002	0.0601	0.0417
	10/25/11	0.0345	<0.001	0.050	0.0136
	07/17/12	16.200	1.960	0.462	0.431
MW-4 QA*	10/25/11	0.0438	<0.001	0.0619	0.0175
MW-5	05/06/08	0.088	0.04	0.017	0.018
	05/05/09	0.032	0.017	0.045	0.029
	05/25/10	0.0034	0.0012	0.029	0.016
	05/24/11	0.0013	0.00044	0.0696	0.0679
MW-6	05/08/07	12.0	0.26	0.26	ND
	05/06/08	12.0	0.20	0.25 J	0.114
	05/05/09	12.0	0.65	0.2 J	0.122
	05/25/10	11.0	0.65	0.18	0.10
	05/24/11	7.65	0.483	0.268	0.182
	10/25/11	0.808	0.203	0.234	0.174
MW-6 QA*	05/08/07	11.0	0.71	0.27	0.19
	05/06/08	11.0	0.20	0.25 J	0.11
	05/05/09	12.0	0.65	0.19 J	0.115
	05/25/10	10.0	0.59	0.17	0.096
	05/24/11	11.10	0.649	0.283	0.2
MW-7	05/08/07	29.0	4.8	0.53	0.64
	05/05/09	21.0	2.6	0.74 J	0.88 J

APPENDIX E
GROUNDWATER ANALYTICAL RESULTS SUMMARY-BTEX
2007 THROUGH 2012
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	*Sample Date*	*Benzene (mg/L)*	*Toluene (mg/L)*	*Ethylbenzene (mg/L)*	*Xylenes (mg/L)*
MW-8	07/17/12	16.2	1.96	0.462	0.431
MW-9	07/17/12	15.6	<0.05	0.957	1.39
MW-10	05/08/07	ND	ND	ND	ND
	05/06/08	ND	ND	ND	ND
	05/05/09	ND	ND	ND	ND
	05/25/10	ND	ND	ND	ND
	05/24/11	<0.002	<0.002	<0.002	<0.006
	10/25/11	<0.001	<0.001	<0.001	<0.003
	07/17/12	<0.001	<0.001	<0.001	<0.003
MW-11	05/08/07	ND	ND	ND	ND
	05/06/08	0.009	ND	ND	ND
	05/05/09	0.02	ND	ND	ND
	05/25/10	0.039	ND	ND	ND
	05/24/11	0.0912	<0.002	<0.002	<0.006
	10/25/11	<0.001	<0.001	<0.001	<0.003
	07/17/12	<0.001	<0.001	<0.001	<0.003
MW-11 QA*	10/25/11	<0.001	<0.001	<0.001	<0.003
MW-12	05/08/07	ND	ND	ND	ND
	05/06/08	ND	ND	ND	ND
	05/05/09	ND	ND	ND	ND
	05/25/10	ND	ND	ND	ND
	05/24/11	<0.002	<0.002	<0.002	<0.006
	10/25/11	<0.001	<0.001	<0.001	<0.003
	07/17/12	<0.001	<0.001	<0.001	<0.003
MW-12 QA*	05/08/07	ND	ND	ND	ND
	05/06/08	ND	ND	ND	ND
	05/05/09	ND	ND	ND	ND
	05/25/10	ND	ND	ND	ND
	05/24/11	<0.002	<0.002	<0.002	<0.006
MW-13	05/08/07	ND	ND	ND	ND
	05/06/08	ND	ND	ND	ND
	05/05/09	ND	ND	ND	ND
	05/25/10	ND	ND	ND	ND
	05/24/11	<0.002	<0.002	<0.002	<0.006
	10/25/11	<0.001	<0.001	<0.001	<0.003
	07/17/12	<0.001	<0.001	<0.001	<0.003
MW-14	05/08/07	ND	ND	ND	ND
	05/06/08	ND	ND	ND	ND
	05/05/09	ND	ND	ND	ND

APPENDIX E
GROUNDWATER ANALYTICAL RESULTS SUMMARY-BTEX
2007 THROUGH 2012
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	*Sample Date*	*Benzene (mg/L)*	*Toluene (mg/L)*	*Ethylbenzene (mg/L)*	*Xylenes (mg/L)*
	05/25/10	ND	ND	ND	ND
	05/24/11	<0.002	<0.002	<0.002	<0.006
	10/25/11	<0.001	<0.001	<0.001	<0.003
	07/17/12	<0.001	<0.001	<0.001	<0.003
MW-15	05/08/07	ND	ND	ND	ND
	05/06/08	ND	ND	ND	ND
	05/05/09	ND	ND	ND	ND
	05/25/10	ND	ND	ND	ND
	05/24/11	<0.002	<0.002	<0.002	<0.006
	10/25/11	<0.001	<0.001	<0.001	<0.003
	07/17/12	<0.001	<0.001	<0.001	<0.003
MW-16	05/08/07	ND	ND	ND	ND
	05/06/08	ND	ND	ND	ND
	05/05/09	ND	ND	ND	ND
	05/25/10	ND	ND	ND	ND
	05/24/11	<0.002	<0.002	<0.002	<0.006
	10/25/11	0.0018	0.0011	<0.001	<0.003
	07/17/12	<0.001	<0.001	<0.001	<0.003
MW-17	05/08/07	ND	ND	ND	ND
	05/06/08	ND	ND	ND	ND
	05/05/09	ND	ND	ND	ND
	05/25/10	ND	ND	ND	ND
	05/24/11	<0.002	<0.002	<0.002	<0.006
	10/25/11	<0.001	<0.001	<0.001	<0.003
	07/17/12	<0.001	<0.001	<0.001	<0.003
MW-18	05/08/07	ND	ND	ND	ND
	05/06/08	ND	ND	ND	ND
	05/05/09	ND	ND	ND	ND
	05/25/10	ND	ND	ND	ND
	05/24/11	<0.002	<0.002	<0.002	<0.006
	10/25/11	<0.001	<0.001	<0.001	<0.003
	07/17/12	<0.001	<0.001	<0.001	<0.003
MW-19	05/08/07	ND	ND	ND	ND
	05/06/08	ND	ND	ND	ND
	05/05/09	ND	ND	ND	ND
	05/25/10	ND	ND	ND	ND
	05/24/11	<0.002	<0.002	<0.002	<0.006
	10/25/11	<0.001	<0.001	<0.001	<0.003
	07/17/12	<0.001	<0.001	<0.001	<0.003

APPENDIX E
GROUNDWATER ANALYTICAL RESULTS SUMMARY-BTEX
2007 THROUGH 2012
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	*Sample Date*	*Benzene (mg/L)*	*Toluene (mg/L)*	*Ethylbenzene (mg/L)*	*Xylenes (mg/L)*
MW-20	05/06/08	ND	ND	ND	ND
	05/05/09	ND	ND	ND	ND
	05/25/10	ND	ND	ND	ND
	05/24/11	<0.002	<0.002	<0.002	<0.006
	10/25/11	<0.001	<0.001	<0.001	<0.003
	07/17/12	<0.001	<0.001	<0.001	<0.003
EW-1	07/19/07	ND	ND	ND	ND
	05/06/08	ND	ND	ND	ND
	05/05/09	ND	ND	ND	ND
	05/25/10	ND	ND	ND	ND
NW WQ Std		0.01	0.75	0.75	0.62

Notes:
µg/L = micrograms per liter
mg/L = milligrams per liter
BDL = below detection limit
TPH-GRO = Total Volatile Petroleum Hydrocarbons (TVPH)
TPH-DRO = Total Extractable Petroleum Hydrocarbons (TEPH)
D = duplicate sample

APPENDIX F

GROUNDWATER ANALYTICAL RESULTS SUMMARY-INORGANICS- 2007 THROUGH 2012

APPENDIX F
GROUNDWATER ANALYTICAL RESULTS SUMMARY-INORGANICS
2007 THROUGH 2012
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	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)
WW	05/08/07	ND	205	205	3	489	ND	152	2,260
	05/06/08	ND	187	187	ND	475	ND	144	2,130
	05/05/09	ND	172	172	ND	387	0.509	106	1,530
	05/25/10	ND	204	204	ND	473	ND	149	58,800
	05/24/11	<5.0	112	112	2.6	486	<0.5	127	1,300
	10/25/11	<20	160	160	2.7	509	<0.5	94.9	1,280
	07/17/12	<20	141	141	3	451	<0.1	139	1,250
MW-2	05/08/07	ND	321	321	3.3	312	ND	10.7	1,580
	05/06/08	ND	308	308	4.55	633	ND	4.53	2,710
	05/05/09	ND	121	121	ND	733	0.769	3.48	2,970
	05/25/10	ND	313	313	4.85	563	ND	1.34	2,090
	05/24/11	<5.0	322	322	3.9	563	<0.5	5.3	1,740
	10/25/11	<20	560	560	3.6	528	<0.5	5.4	1,640
	07/17/12	<20	606	606	7.8	461	<0.1	2.8	1,620
MW-3	07/17/12	<20	357	357	7.500	672	1.9	29.200	2,300
MW-4	05/08/07	ND	174	174	2.3	415	ND	ND	1,240
	05/06/08	ND	174	174	ND	425	ND	ND	1,660
	05/05/09	ND	355	355	ND	409	ND	0.778	2,150
	05/25/10	ND	161	161	2.34	437	ND	ND	4,550
	05/24/11	<5.0	164	164	2.2	624	<0.5	3.2	1,410
	10/25/11	<20	184	184	2.4	515	<0.5	<20	1,300
	07/17/12	<20	173	173	4.3	507	<0.1	<1.0	1,510
MW-4 QA*	10/25/11	<20	192	192	2.4000	522	<0.5	<20	1,380
MW-5	05/06/08	ND	417	417	ND	333	ND	21.3	1,430
	05/05/09	ND	504	504	ND	336	ND	7.27	1,360
	05/25/10	ND	474	474	1.37	501	ND	10.9	1,640
	05/24/11	<5.0	443	444	1.2	499	<0.5	4.1	1,520
MW-6	05/08/07	ND	230	230	2.4	527	ND	19.7	1,370
	05/06/08	ND	218	218	ND	616	ND	25.5	2,870
	05/05/09	ND	241	241	ND	537	ND	ND	2,280
	05/25/10	ND	230	230	1.99	480	ND	40.7	2,330
	05/24/11	<5.0	203	204	1.9	531	<0.5	33.7	1,460
	10/25/11	<20	212	212	2.7	791	<0.5	36.9	1,960
MW-6 QA*	05/08/07	ND	227	227	2.4	416	ND	17.2	1,270
	05/06/08	ND	219	219	ND	660	ND	20.6	4,390
	05/05/09	ND	237	237	ND	557	ND	ND	2,230
	05/25/10	ND	225	225	ND	513	ND	34.2	1,940

APPENDIX F
GROUNDWATER ANALYTICAL RESULTS SUMMARY-INORGANICS
2007 THROUGH 2012
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	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)
	05/24/11	<5.0	211	212	1.9	549	<0.5	43.7	1,380
MW-7	05/08/07	ND	245	245	2.5	537	ND	1.8	1,330
	05/05/09	ND	209	209	ND	915	ND	0.511	3,190
MW-8	07/17/12	<20	188	188	5.3	522	<0.1	2.8	1,590
MW-9	07/17/12	<20	431	431	2.4	65	<0.1	12.1	617
MW-10	05/08/07	ND	175	175	5.3	4,260	4.3	436	8,400
	05/06/08	ND	150	150	14.4	2,520	4.16	398	6,880
	05/05/09	ND	209	209	ND	915	ND	0.511	3,190
	05/25/10	ND	168	168	4.49	4,010	4.56	353	8,200
	05/24/11	<5.0	168	168	8.8	10,500	5.60	634	19,600
	10/25/11	<20	300	300	5.1	2,880	3	369	6,480
	07/17/12	<20	239	239	11.5	2,750	2.9	335	6,960
MW-11	05/08/07	ND	197	197	4.6	3,570	ND	440	7,400
	05/06/08	ND	168	168	8.18	1,560	ND	163	4,140
	05/05/09	ND	162	162	6.82	1,140	ND	149	3,430
	05/25/10	ND	139	139	ND	1,010	ND	142	3,630
	05/24/11	<5.0	149	149	2.6	811	3.6	99.9	2,510
	10/25/11	<20	220	220	2.7	715	4.9	90.9	1,790
	07/17/12	<20	144	144	4.1	560	7.3	55.3	1,780
MW-11QA*	10/25/11	<5.0	208	208	2.5	659	6.1	84.6	1,910
MW-12	05/08/07	ND	79.8	79.8	19.2	61,700	ND G	1,690	107,000
	05/06/08	ND	97	97	ND	48,600	ND, H	1,600	88,500
	05/05/09	ND	101	101	ND	35,300	1.79	1,140	71,200
	05/25/10	ND	106	106	ND	59,300	ND	1,210	7,200
	05/24/11	<20	114	114	9.7	45,500	2.2	1,170	66,400
	10/25/11	<20	138	138	<1	32,200	3.0	1,020	55,900
	07/17/12	<20	122	122	32.6	25,000	3.3	716	57,200
MW-12 QA*	05/08/07	ND	79.9	79.9	19.2	50,200	ND G	1,630	104,000
	05/06/08	ND	97	97	ND	45,100	ND, H	1,610	84,300
	05/05/09	ND	116	116	ND	31,400	1.94	1,180	69,800
	05/25/10	ND	108	108	ND	47,700	ND	1,450	79,000
	05/24/11	<5.0	105	105	10.2	46,600	2	1,350	75,500
MW-13	05/08/07	ND	209	209	0.9	217	16	249	1,160
	05/06/08	ND	201	201	ND	192	11.9	234	1,270
	05/05/09	ND	204	204	1.32	212	15.9	236	1,400
	05/25/10	ND	196	196	1.42	214	17.8	276	1,500
	05/24/11	<5.0	217	218	1.4	235	15	267	1,120

APPENDIX F
GROUNDWATER ANALYTICAL RESULTS SUMMARY-INORGANICS
2007 THROUGH 2012
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	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)
	10/25/11	<20	765	765	1.3	233	18	253	1,090
	07/17/12	<20	340	340	2.4	230	15.2	239	1,240
MW-14	05/08/07	ND	203	203	7.1	1,000	10.7	1,010	4,990
	05/06/08	ND	208	208	8.04	658	10.1	904	3,760
	05/05/09	ND	230	230	6.05	576	11.8	774	3,740
	05/25/10	ND	263	263	4.96	566	13.7	1,030	2,430
	05/24/11	<5.0	276	276	4.2	527	16	1,110	2,980
	10/25/11	<20	390	390	3.4	408	20	848	2,350
	07/17/12	<20	314	314	1.1	382	16.0	812	2,430
MW-15	05/08/07	ND	267	267	1.4	189	ND	67	821
	05/06/08	ND	229	229	0.845	135	ND, H	68.5	814
	05/05/09	ND	243	243	ND	93.4	ND	58.7	665
	05/25/10	ND	238	238	0.885	114	ND	58.3	640
	05/24/11	<5.0	213	216	0.98	144	<0.5	58.3	638
	10/25/11	<20	452	452	1.0	123	<0.5	56.4	552
	07/17/12	<20	258	258	2.4	110	<0.1	53	601
MW-16	05/08/07	ND	246	246	1.4	254	ND	136	1,120
	05/06/08	ND	246	246	1.31	262	ND, H	140	1,350
	05/05/09	ND	246	246	ND	256	ND	112	1,450
	05/25/10	ND	262	262	ND	244	ND	120	1,190
	05/24/11	<5.0	285	286	1.2	244	<0.5	92.2	894
	10/25/11	<20	444	444	1.3	230	<0.5	76.4	830
	07/17/12	<20	336	336	3.3	199	<0.1	54	801
MW-17	05/08/07	ND	176	176	2.0	876	ND	295	2,020
	05/06/08	ND	186	186	3.96	724	ND	295	2,750
	05/05/09	ND	269	269	ND	633	ND	265	3,230
	05/25/10	ND	157	157	2.16	676	ND	303	1,880
	05/24/11	<5.0	182	182	1.8	683	<0.5	281	1,960
	10/25/11	<20	244	244	1.8	654	<0.5	274	1,750
	07/17/12	<20	289	289	2.8	637	<0.1	262	1,960
MW-18	05/08/07	ND	117	117	11.1	7,780	ND G	822	19,500
	05/06/08	ND	107	107	50.5	11,300	8.36	718	37,100
	05/05/09	ND	118	118	ND	11,700	3.44	557	22,300
	05/25/10	ND	121	121	11.1	12,100	3.59	841	32,000
	05/24/11	<5.0	130	130	9.5	15,900	3.4	858	25,500
	10/25/11	<20	224	224	<1	11,100	3.7	762	22,700
	07/17/12	<20	393	393	<100	10,100	4.0	672	1,510
MW-19	05/08/07	ND	272	272	1.1	101	0.75	20.8	837
	05/06/08	ND	229	229	ND	114	1.06	29.3	1,190

APPENDIX F
GROUNDWATER ANALYTICAL RESULTS SUMMARY-INORGANICS
2007 THROUGH 2012
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	*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)*
	05/05/09	ND	241	241	0.836	105	0.944	26.7	597
	05/25/10	ND	245	245	0.97	108	0.867	33.2	1,080
	05/24/11	<5.0	255	256	1.1	140	1.4	27.4	589
	10/25/11	<20	436	436	<1	122	2.2	32.9	523
	07/17/12	<20	635	635	1.4	113	2.6	27.8	585
MW-20	05/06/08	ND	111	111	19.8	5,120	ND	467	5,790
	05/05/09	ND	133	133	ND	4,880	2.64	485	20,800
	05/25/10	ND	111	111	ND	5,620	1.05	538	19,700
	05/24/11	<5.0	101	101	7.6	6,720	3.4	571	15,200
	10/25/11	<20	4790	4790	<1	5,950	3.9	551	13,100
	07/17/12	<20	1820	1820	13.6	<1.0	4.3	508	14,000
NW WQ Std						250	10	600	1,000

Notes:
µg/L = micrograms per liter
mg/L = milligrams per liter
BDL = below detection limit
TPH-GRO = Total Volatile Petroleum Hydrocarbons (TVPH)
TPH-DRO = Total Extractable Petroleum Hydrocarbons (TEPH)
D = duplicate sample

APPENDIX G

GROUNDWATER ANALYTICAL RESULTS SUMMARY-METALS- 2007 THROUGH 2012

APPENDIX G
GROUNDWATER ANALYTICAL RESULTS SUMMARY-METALS
2007 THROUGH 2012
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	*Sample Date*	*Calcium (mg/L)*	*Magnesium (mg/L)*	*Potassium (mg/L)*	*Sodium (mg/L)*
WW	05/08/07	191	67.9	ND	142
	05/06/08	184	62.9	3.63	140
	05/05/09	198	64.1	5.12	149
	05/25/10	173	62.3	4.39	136
	05/24/11	**141**	**59.5**	<5.0	**140**
	10/25/11	**142**	**58.6**	**4.12**	**149**
	07/17/12	**112**	**60.7**	**5.74**	**171**
MW-2	05/08/07	240	44.9	ND	66.4
	05/06/08	323	67.7	3.09	72.9
	05/05/09	344	73.9	3.88	77.7
	05/25/10	282	61.9	3.09	65.8
	05/24/11	**291**	**57.2**	<5.0	**63.6**
	10/25/11	**289**	**52.7**	**3.42**	**72**
	07/17/12	**344**	**58.0**	**5.02**	**69.4**
MW-3	07/17/12	**324**	**72.2**	**2.82**	**115**
MW-4	05/08/07	160	44.8	7.0	83.9
	05/06/08	156	48.3	8.04	79.2
	05/05/09	170	49.4	7.38	82.8
	05/25/10	162	50.5	7.78	74.0
	05/24/11	**183**	**51.7**	**83.8**	**111**
	10/25/11	**201**	**54.6**	**8.14**	**82.7**
	07/17/12	**182**	**53.7**	**7.9**	**75**
MW-4 QA*	10/25/11	**195**	**55.2**	**7.83**	**82.8**
MW-5	05/06/08	176	32.8	3.09	158
	05/05/09	211	34.0	3.19	191
	05/25/10	245	44.2	3.1	182
	05/24/11	**250**	**40.9**	**5.03**	**160**
MW-6	05/08/07	170	72	ND	95.4
	05/06/08	182	78.0	4.18	145
	05/05/09	180	74.8	4	121
	05/25/10	166	69.6	3.77	101
	05/24/11	**174**	**68.3**	<5.0	**100**
	10/25/11	**185**	**73.2**	**3.95**	**188**
MW-6 QA*	05/08/07	174	80.1	ND	95.9
	05/06/08	188	81.3	3.61	147
	05/05/09	170	72.4	3.99	122
	05/25/10	162	68.2	3.72	100
	05/24/11	**192**	**74**	<5.0	**92.5**
MW-7	05/08/07	212	71.2	ND	72.1
	05/05/09	394	108	4	84

APPENDIX G
GROUNDWATER ANALYTICAL RESULTS SUMMARY-METALS
2007 THROUGH 2012
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	*Sample Date*	*Calcium (mg/L)*	*Magnesium (mg/L)*	*Potassium (mg/L)*	*Sodium (mg/L)*
MW-8	07/17/12	**232**	**55.2**	**2.96**	**32.4**
MW-9	07/17/12	**10**	**2.68**	**0.76**	**176**
MW-10	05/08/07	761	203	12	1,530
	05/06/08	819	188	8.24	785
	05/05/09	825	188	7.66	820
	05/25/10	756	178	ND	1,200
	05/24/11	**1,310**	**327**	**28.3**	**3,210**
	10/25/11	**856**	**181**	**10.5**	**778**
	07/17/12	**790**	**170**	**10.9**	**749**
MW-11	05/08/07	1,060	258	7.8	496
	05/06/08	615	166	8.62	204
	05/05/09	528	150	6	172
	05/25/10	332	105	4.44	118
	05/24/11	**298**	**83.7**	**6.61**	**103**
	10/25/11	**325**	**86**	**6**	**101**
	07/17/12	**215**	**64.2**	**3.6**	**80.6**
MW-11 QA*	10/25/11	**352**	**93**	**6**	**108**
MW-12	05/08/07	4,760	1,330	143	15,800
	05/06/08	3,880	1,030	84.3	24,000
	05/05/09	3,720	844	59.3	21,200
	05/25/10	2,490	700	42.4	14,300
	05/24/11	**3,260**	**794**	**79.1**	**15,100**
	10/25/11	**3,370**	**743**	**54**	**14,800**
	07/17/12	**3,420**	**812**	**56.5**	**11,400**
MW-12 QA*	05/08/07	5,040	1,430	146	32,800
	05/06/08	3,840	1,030	85.4	23,100
	05/05/09	3,760	872	54.8	22,200
	05/25/10	2,760	788	47.2	14,900
	05/24/11	**3,230**	**808**	**83.7**	**15,700**
MW-13	05/08/07	198	43.1	ND	72.4
	05/06/08	193	43.9	3.09	66.8
	05/05/09	226	46.8	3.1	74.4
	05/25/10	203	42.4	2.81	71.9
	05/24/11	**204**	**41.4**	<5.0	**73.5**
	10/25/11	**541**	**99.6**	**16.9**	**81.3**
	07/17/12	**252**	**53.4**	**6.24**	**71.5**
MW-14	05/08/07	656	197	5.7	65.3
	05/06/08	613	165	6.09	57.1
	05/05/09	648	176	5.74	51.3
	05/25/10	544	150	6.04	79.3

APPENDIX G
GROUNDWATER ANALYTICAL RESULTS SUMMARY-METALS
2007 THROUGH 2012
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	*Sample Date*	*Calcium (mg/L)*	*Magnesium (mg/L)*	*Potassium (mg/L)*	*Sodium (mg/L)*
	05/24/11	**525**	**133**	<5.0	**57.7**
	10/25/11	**532**	**159**	**14.4**	**58.1**
	07/17/12	**455**	**137**	**9**	**49.8**
MW-15	05/08/07	364	82.7	15.3	56.1
	05/06/08	92.8	38.2	2.71	53
	05/05/09	327	44.2	4.5	58.2
	05/25/10	517	43.3	3.35	52.2
	05/24/11	**101**	**38.2**	<5.0	**57.4**
	10/25/11	**221**	**51**	**7.4**	**58.2**
	07/17/12	**91**	**35**	**3.14**	**55.6**
MW-16	05/08/07	203	52.6	ND	78.1
	05/06/08	171	49.1	2.90	70.4
	05/05/09	187	52	2.66	76.9
	05/25/10	160	48.6	2.45	64.6
	05/24/11	**158**	**45.3**	<5.0	**61.6**
	10/25/11	**232**	**45.6**	**3.08**	**58.1**
	07/17/12	**160**	**45.8**	**2.8**	**51.7**
MW-17	05/08/07	532	87.2	12.6	243
	05/06/08				
	05/05/09	415	63.5	ND	272
	05/25/10	299	54	3.61	230
	05/24/11	**254**	**49.7**	<5.0	**237**
	10/25/11	**326**	**60.3**	**7.4**	**239**
	07/17/12	**344**	**68**	**10.3**	**238**
MW-18	05/08/07	2,210	707	35.4	3,300
	05/06/08	2,200	727	25.3	3,260
	05/05/09	2,540	734	21.3	4,010
	05/25/10	1,900	654	21.1	3,240
	05/24/11	**2,090**	**680**	**33.2**	**3,290**
	10/25/11	**2,850**	**772**	**51.2**	**3,450**
	07/17/12	**2,300**	**714**	**39.1**	**3,320**
MW-19	05/08/07	147	41.1	5.5	50.9
	05/06/08	359	48.6	9.56	50.2
	05/05/09	394	42.5	6.16	52.1
	05/25/10	1,050	51.4	7.34	49.6
	05/24/11	**126**	**34.5**	<5.0	**56**
	10/25/11	**207**	**41.7**	**5.46**	**56.2**
	07/17/12	**1,620**	**50.3**	**8.67**	**49.4**
MW-20	05/06/08	1,690	571	24.7	983
	05/05/09	3,220	617	27.8	1,260

APPENDIX G
GROUNDWATER ANALYTICAL RESULTS SUMMARY-METALS
2007 THROUGH 2012
PHILLIPS 66 COMPANY
MALJAMAR GAS PLANT
MALJAMAR, LEA COUNTY, NEW MEXICO

Well Number	*Sample Date*	*Calcium (mg/L)*	*Magnesium (mg/L)*	*Potassium (mg/L)*	*Sodium (mg/L)*
	05/25/10	1,850	664	21.5	1,020
	05/24/11	**2,050**	**632**	**53.8**	**1,000**
	10/25/11	**3,080**	**640**	**41.9**	**1,050**
	07/17/12	**2,240**	**654**	**39.6**	**1,070**
EW-1	07/19/07				
	05/06/08	3,340	1,040	74.1	19,000
	05/05/09	3,680	1,110	58	21,700
	05/25/10	2,830	1,050	74.7	16,300

Notes:
µg/L = micrograms per liter
mg/L = milligrams per liter
BDL = below detection limit
TPH-GRO = Total Volatile Petroleum Hydrocarbons (TVPH)
TPH-DRO = Total Extractable Petroleum Hydrocarbons (TEPH)
D = duplicate sample