GW - 020

2009 AGWMR

03/18/2011

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ConocoPhillips

March 18, 2011

Mr. Glenn von Gonten
Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Dr.
Santa Fe, NM 87504

RE: ANNUAL GROUNDWATER MONITORING AND REMEDIATION REPORT
JANUARY THROUGH DECEMBER 2009
ConocoPhillips Maljamar Gas Plant – GW-020
Lea County, New Mexico

Dear Mr. von Gonten:

Please find one copy of the above referenced report for your review and concurrence. This report presents a summary of all site activities performed at the Maljamar Gas Plant from January through December 2009 relating to the remediation and monitoring of groundwater at the site, and presents a proposed path forward for enhancing the remediation of groundwater at the site. The Maljamar Gas Plant 2010 Annual Report will be submitted by May 1, 2011.

If you have any questions or comments, please contact me at the above listed number or Greg Pope with Tetra Tech, Inc. at (432) 682-4559.

Sincerely,

Tom Wynn
Site Manager
Risk Management and Remediation
ConocoPhillips

cc: w/ attachment

Chris Williams, NMOCD, Hobbs, NM
Greg Pope, Tetra Tech, Inc., Midland, TX
Mr. Jeff Stephens, Southern Ute Indian Tribe Growth Fund, CD Copy only

ANNUAL GROUNDWATER MONITORING AND REMEDIATION REPORT

JANUARY THROUGH DECEMBER 2009

CONOCOPHILLIPS
MALJAMAR GAS PLANT

LEA COUNTY, NEW MEXICO

Prepared for:

ConocoPhillips

Prepared By:

TETRA TECH, INC.

1910 N. Big Spring Street
Midland, Texas 79705

March 18, 2011

TETRA TECH, INC.

1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559

March 18, 2011

Mr. Glenn von Gonten
Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Dr.
Santa Fe, NM 87504

**RE: ANNUAL GROUNDWATER MONITORING AND REMEDIATION REPORT
JANUARY THROUGH DECEMBER 2009
ConocoPhillips Maljamar Gas Plant – GW-020
Lea County, New Mexico**

INTRODUCTION

On behalf of ConocoPhillips, Tetra Tech, Inc. (Tetra Tech) is submitting the following annual status report for the Maljamar Gas Plant (Site; previously owned by Conoco and later, Frontier Energy, but now owned by Aka Energy as of June 2004). The gas plant is located in Lea County, New Mexico (Sec 21, T17S, R32E; Figure 1). This report includes a brief review of previous site activities and hydrogeologic conditions, groundwater sampling data collected in May 2009, groundwater extraction data collected from January through December 2009 during operation of the two groundwater extraction wells at the Site, and results of the operation of a skimmer pump in MW-9.

BACKGROUND

During previous investigative and remedial activities at the Maljamar Gas Plant, 12 soil borings were drilled and sampled, 19 groundwater monitoring wells, two (2) groundwater extraction well 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 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.

- Two (2) groundwater monitoring wells (MW-2 and 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.
- 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 at the site.
- 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 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.
- 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).

- Groundwater extraction well EW-1 was installed adjacent to monitoring well MW-12 between May 14 and June 22, 2007. From July 19 to August 21, 2007, EW-1 was developed, the pump and control equipment were installed, and the discharge flowline was laid. Continuous groundwater extraction at EW-1 began on September 19, 2007. Extracted groundwater from EW-1 is pumped into a flowline connected to MW-6. Installation details for EW-1 are discussed in the 2007 Annual Report dated March 21, 2008 (Tetra Tech, 2008).

- 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.

Table 1 presents the well construction details for all the monitoring and remediation wells installed at the Site.

SITE HYDROGEOLOGY SUMMARY

A detailed conceptual model of the hydrogeologic conditions existing at the Site is presented in the Comprehensive Groundwater Report (Maxim, 2004a). Previous groundwater investigations and sampling performed at the Site have revealed that groundwater occurs under confining conditions in the vicinity of the Site at approximately 70 to 95 fbgs within two sand units ranging in thickness from several feet to no more than 10 to 12 feet thick. 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 borehole geophysics investigation conducted at the Site in March 2003 (Maxim, 2004a) indicated that the subsurface stratigraphy is complex, consisting of irregular, interbedded sands, shales and silts deposited on an erosional surface.

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, 2004a).

FIELD METHODOLOGY

Field activities conducted at the Maljamar Gas Plant from January through December 2009 included performing a round of groundwater sampling and analyses in May 2009; operating groundwater extraction wells MW-6 and EW-1; 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-9; and alternating a skimmer pump between SK-1, SK-2 and MW-7.

Groundwater Monitoring and Sampling

Groundwater samples were collected from the Maljamar Gas Plant monitoring wells on May 5-6, 2009. Prior to sampling, 21 wells were sounded for groundwater levels and affected wells were also measured for LPH thickness. Table 2 presents the groundwater level and LPH thickness measurement data for the Site. Fifteen (15) groundwater monitoring wells, two (2) groundwater extraction wells, and one onsite water well (18 total) were sampled during this event. Wells exhibiting measurable levels of LPH were not sampled. The groundwater samples were collected into appropriate sample containers, placed in a cooler packed with ice, and shipped under chain-of-custody to an approved laboratory for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) by 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. Duplicate samples, collected from monitoring well MW-12 and extraction well MW-6, were also submitted to the laboratory for analysis.

Summaries of the laboratory analytical results from the May 2009 groundwater monitoring event are presented in Table 3. The laboratory analytical data is included in Appendix A.

Groundwater Level and Water Quality Data Collection

Monthly groundwater level measurements were recorded from each of the monitoring wells at the Site from January to December 2009. Groundwater depths were measured using an electronic interface probe capable of detecting both the top of the hydrocarbons, if present, and the hydrocarbon/water interface. The probe was cleaned before and after each use in each monitoring well. Groundwater measurements proceeded from the cleanest wells to the wells containing hydrocarbons. At each monitoring well, the water level and hydrocarbon depth, if

present, were measured from the top of casing. The depth of groundwater below the top of casing was subtracted from the elevation of the top of casing to give the elevation of the groundwater at each well. The elevation of hydrocarbons was also determined in this manner at the affected wells, and the hydrocarbon thickness was calculated by subtracting the hydrocarbon depth from the groundwater depth. Groundwater and hydrocarbon depth measurements and elevations are summarized in Table 2.

Groundwater quality measurements of the MW-6 discharge water were collected during sampling on May 6, 2009 using a portable field instrument. Measurement parameters included specific conductivity, salinity, pH and temperature. Table 4 presents the groundwater quality measurement data for MW-6.

Groundwater Extraction and Hydrocarbon Recovery Operations

Groundwater extraction well MW-6 was operated continuously from January through December 2009. Extracted groundwater was pumped from the well into an onsite 210-barrel (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, 2009, approximately 1,150,815 gallons of groundwater have been extracted from MW-6. Table 5a presents a summary of the groundwater extraction well recovery volumes at MW-6.

Groundwater extraction well EW-1 was started for continuous operation on September 17, 2007, and operated continuously to September 2009. From September 15, 2009 to October 7, 2009, the pump was shut down for electrical and piping repairs. The EW-1 extraction pump was restarted on October 7, 2009 and operated continuously through December 2009. A dedicated flowmeter, installed on the extraction well piping system, gauges the volume of groundwater removed by extraction well EW-1. Extracted groundwater is pumped from the well to a flowline connected with MW-6 and then continues to the onsite 210-bbl fluid storage tank. Since initial startup on September 17, 2007 to December 23, 2009, approximately 75,256 gallons of groundwater have been extracted from EW-1. Table 5b presents a summary of the groundwater extraction well recovery volumes at EW-1.

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 5a.

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). The skimmer pump started pumping on March 25, 2008 to remove LPH present in this well. A dedicated flowline was installed from well MW-9 to a manifold attached to the groundwater extraction well piping at MW-6. Extracted hydrocarbons and minor amounts of groundwater are pumped from the well into the onsite 210-barrel fluid storage tank connected to 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 5a.

GROUNDWATER DATA ANALYSIS

The following sections provide a discussion of the groundwater data collected at the Maljamar Gas Plant from January to December 2009.

Groundwater Data Evaluation

Monthly groundwater and hydrocarbon level measurements were collected at the Site from January to December 2009, and are summarized in Table 2. Groundwater potentiometric surface maps for August and November 2008, and February and May 2009 are included as Figures 2a, 2b, 2c, and 2d, respectively. These potentiometric data show little variation in the mound geometry during this time period with groundwater elevations ranging from approximately 3,933 feet above mean sea level (famsl) in the mound centroid (MW-14) to approximately 3,893 famsl in MW-18, located south of the Site. The effects of pumping at groundwater extraction well EW-1 can be seen in the deflection of the 3924 famsl contour line in the vicinity of MW-12 and EW-1. The hydraulic gradient at the Site was calculated from this data set to be between 0.01129 and 0.01137 feet per foot, and the hydraulic gradient is shown to decrease radially from the approximate center of the mound in all directions except to the west. Groundwater elevations show an overall increasing trend at the Site, as shown on the hydrographs in Appendix B.

Hydrocarbon thickness isopleth maps for August and November 2008, and February and May 2009 are included as Figures 3a, 3b, 3c, and 3d, respectively. As shown on the figures, the hydrocarbon thickness in wells MW-9 and MW-5 has decreased due to the hydrocarbon skimming at MW-9, while the hydrocarbon thickness in the remainder of the affected wells is fairly constant.

Groundwater Quality Evaluation

Groundwater analytical results are presented in Table 3, and a figure depicting the groundwater analytical results for the May 2009 sampling event is included as Figure 4. The laboratory analytical data is included in Appendix A.

The May 2009 groundwater samples reported detectable concentrations of organic compounds in six (6) of the wells sampled (Table 3; Figure 4). Wells MW-2, MW-4, MW-5, MW-6, MW-7 and MW-11 reported concentrations of benzene at 48, 0.15, 0.032, 12, 21, and 0.02 mg/L, respectively, which were all above the New Mexico Water Quality Control Commission (WQCC) benzene standard of 0.01 mg/L. Concentrations of toluene above the WQCC standard of 0.75 mg/L were reported in wells MW-2 (12 mg/L) and MW-7 (2.6 mg/L), and total xylenes were reported in MW-7 (0.88 J), above the WQCC standard of 0.62 mg/L for this constituent.

Inorganic constituents were reported above WQCC standards in 16 of the 18 wells sampled (Table 3). Well MW-12 reported the highest concentrations of inorganic constituents with 35,300 mg/L of chloride, 1,140 mg/L of sulfate, and 71,200 mg/L of TDS. Extraction well EW-1 reported concentrations of inorganic constituents comparable to MW-12 with 30,000 mg/L of chloride, 1,110 mg/L of sulfate, and 60,000 mg/L of TDS. This well is located adjacent to MW-12. Concentrations of nitrates were reported above the WQCC standard in wells MW-13 (15.9 mg/L) and MW-14 (11.8 mg/L). Alkalinity analysis reported that only bicarbonate alkalinity is present in the Site groundwater. Considering the general minerals content of wells outside the area of elevated chloride concentrations, the groundwater is generally calcium bicarbonate in nature. Chloride concentration isopleths for the May 2009 groundwater data are shown on Figure 5. Graphs depicting constituent concentrations versus extracted volume for extraction wells MW-6 and EW-1 are included in Appendix B.

Groundwater quality parameters for specific conductivity, pH, salinity and temperature collected of the discharge water from extraction well MW-6 are summarized in Table 4. The most recent measurement indicates near neutral saline water with a pH of 6.41 and a specific conductivity of 1.37 milliSiemens per centimeter present in this well.

PROPOSED PATH FORWARD

Based on the data, results and evaluations presented in this report, Tetra Tech proposes the following path forward tasks:

- Continue operation of groundwater extraction wells MW-6 and EW-1, and periodically collect groundwater quality and extraction volume data from the wells. The maintenance of the pump systems, monitoring of the storage tank levels, and transfer and disposal of fluids will continue to be coordinated through ConocoPhillips' MCA Business Unit.
- Continue to evaluate the effectiveness of EW-1 at reducing the chloride concentrations in the vicinity of MW-12, and determine if additional extraction wells are necessary in this area of the Site to achieve this purpose.
- Continue to collect monthly groundwater level and hydrocarbon thickness data from the Site monitoring wells.
- Continue 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 pumping operations at SK-1, SK-2, MW-7 and MW-9 to remove LPH present in these wells. A skimmer pump will continue to be moved between wells SK-1, SK-2 and MW-7, depending on the thickness of hydrocarbons present in each of the three wells. The skimmer pump in MW-9 will be moved to MW-1, once the LPH has been removed from this well.

REFERENCES

Maxim Technologies (2004a) report entitled "Comprehensive Groundwater Report, Maljamar Gas Plant, Maljamar, New Mexico" to Mr. Wayne Price, New Mexico Oil Conservation Division, dated March 1, 2004.

Maxim Technologies (2004b) report entitled "Groundwater Extraction Well Report, Maljamar Gas Plant, Maljamar, New Mexico" to Mr. Neal Goates, ConocoPhillips, dated October 22, 2004.

Maxim Technologies (2005) report entitled "Annual Groundwater Monitoring and Remediation Report, October 2004 Through July 2005, ConocoPhillips Maljamar Gas Plant, Lea County, New Mexico" to Mr. Wayne Price, New Mexico Oil Conservation Division, dated August 23, 2005.

Tetra Tech (2006) report entitled "Annual Groundwater Monitoring and Remediation Report, August 2005 Through August 2006, ConocoPhillips Maljamar Gas Plant, Lea County, New Mexico" to Mr. Wayne Price, New Mexico Oil Conservation Division, dated September 22, 2006.

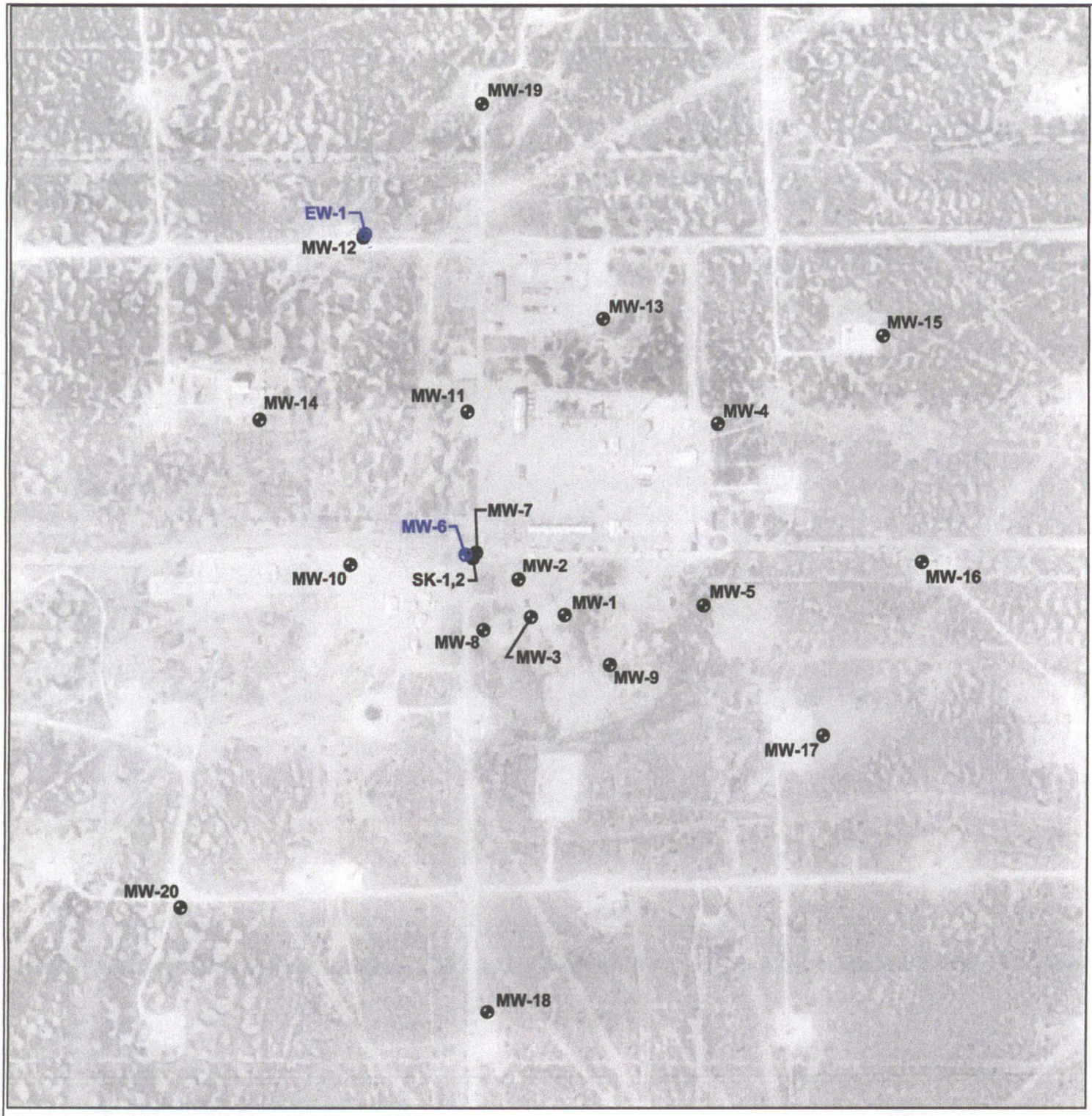
Tetra Tech (2008) report entitled "Annual Groundwater Monitoring and Remediation Report, August 2006 Through December 2007, ConocoPhillips Maljamar Gas Plant, Lea County, New Mexico" to Mr. Wayne Price, New Mexico Oil Conservation Division, dated March 21, 2008.

Should you have any questions or comments upon review of this report, please contact me at (432) 682-4559 or Tom Wynn, ConocoPhillips Site Manager, at (918) 661-0310.

Sincerely,
TETRA TECH, INC.

Greg W. Pope, P.G.
Project Manager

FIGURES



Source: Aerial Photo (dated 1/1996) Downloaded From Microsoft/USGS Terraserver

LEGEND

MW-18 — Monitoring Well Location

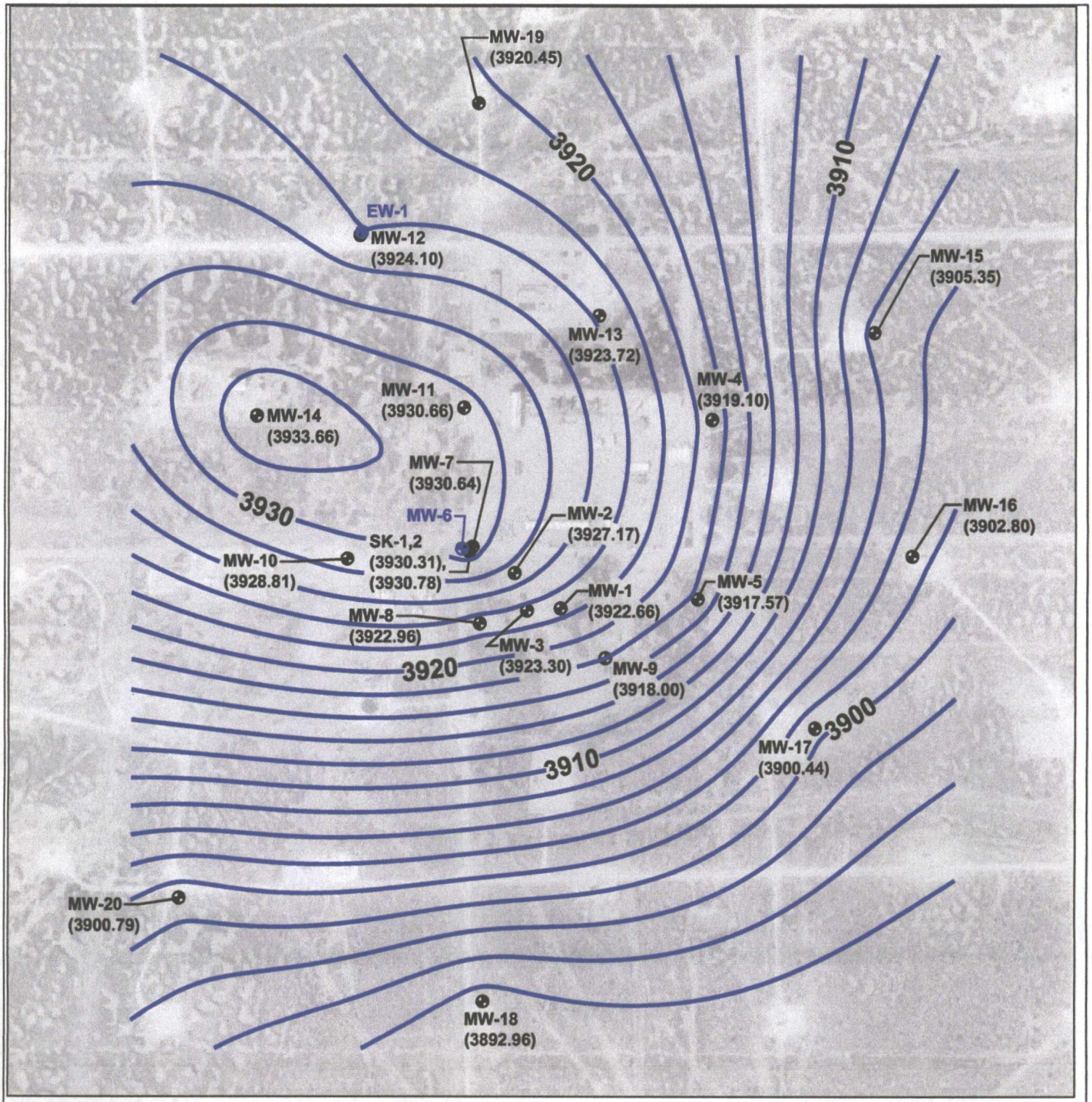
EW-1 — Extraction Well Location

0 600 1200

SCALE (feet)

N

FIGURE 1	MONITORING AND EXTRACTION WELL LOCATIONS
ConocoPhillips	TETRA TECH, INC.
MALJAMAR GAS PLANT Lea County, New Mexico Sec 21 T17S R32E	PROJECT NO. 115-8640039 DRAWING BY: GWP DRAWING DATE: 03/01/11 *ACAD File: Maljamar.Site Base Map 2009.dwg*



Source: Aerial Photo (dated 1/1996) Downloaded From Microsoft/USGS Terraserver

LEGEND

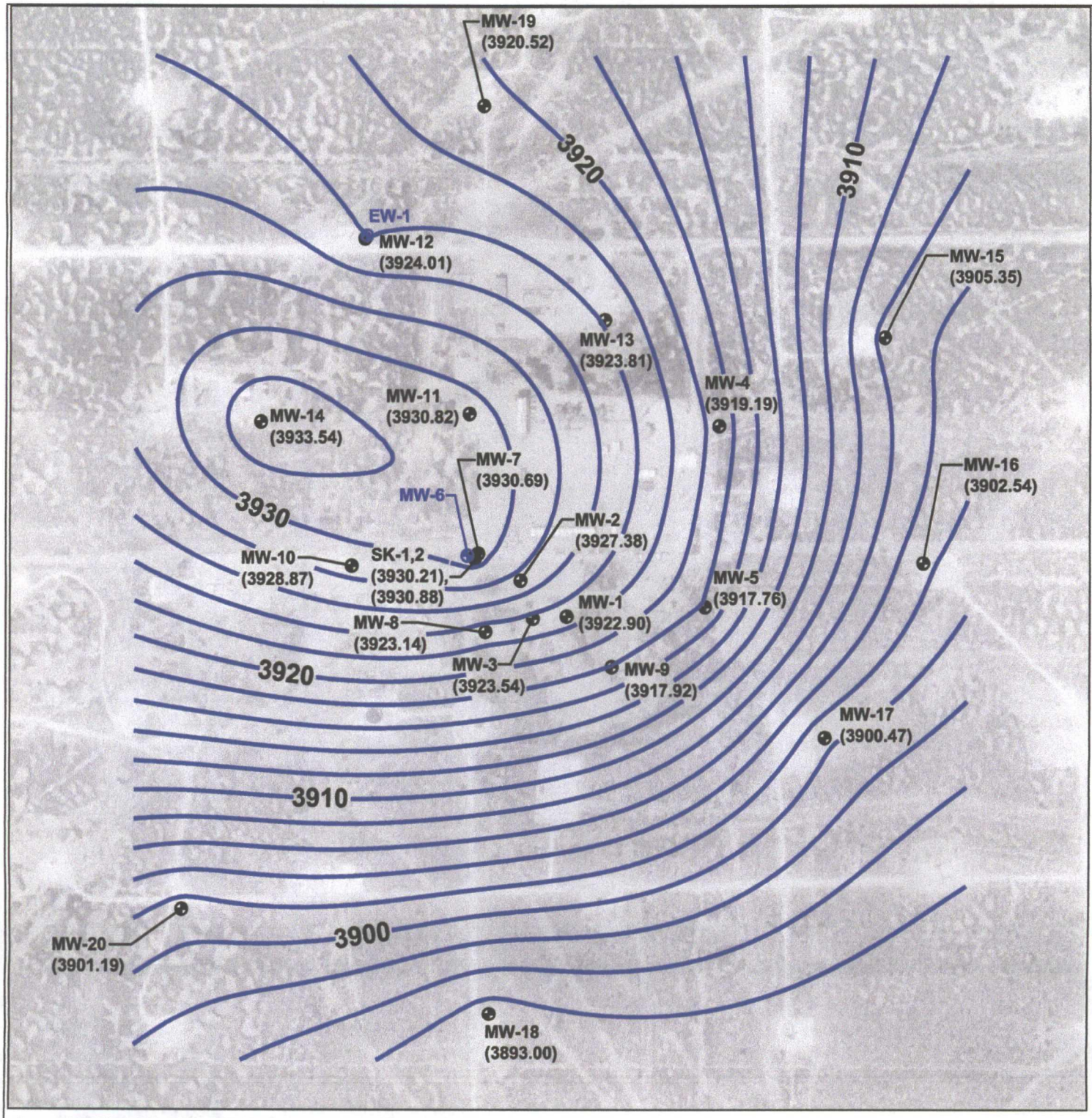
MW-18	Monitoring Well Location
EW-1	Extraction Well Location
(3922.66)	Groundwater Elevation feet above mean sea level
3920	Groundwater Elevation Contour contour interval = 2 feet

0 600 1200

SCALE (feet)

N

FIGURE 2a	GROUNDWATER ELEVATION CONTOUR MAP AUGUST 19, 2008
ConocoPhillips	TETRA TECH, INC.
MALJAMAR GAS PLANT Lea County, New Mexico Sec 21 T17S R32E	PROJECT NO. 115-8640039 DRAWING BY: GWP DRAWING DATE: 03/08/11 *ACAD File: Maljamar.Site Base Map 2009.dwg*



Source: Aerial Photo (dated 1/1996) Downloaded From Microsoft/USGS Terraserver

LEGEND

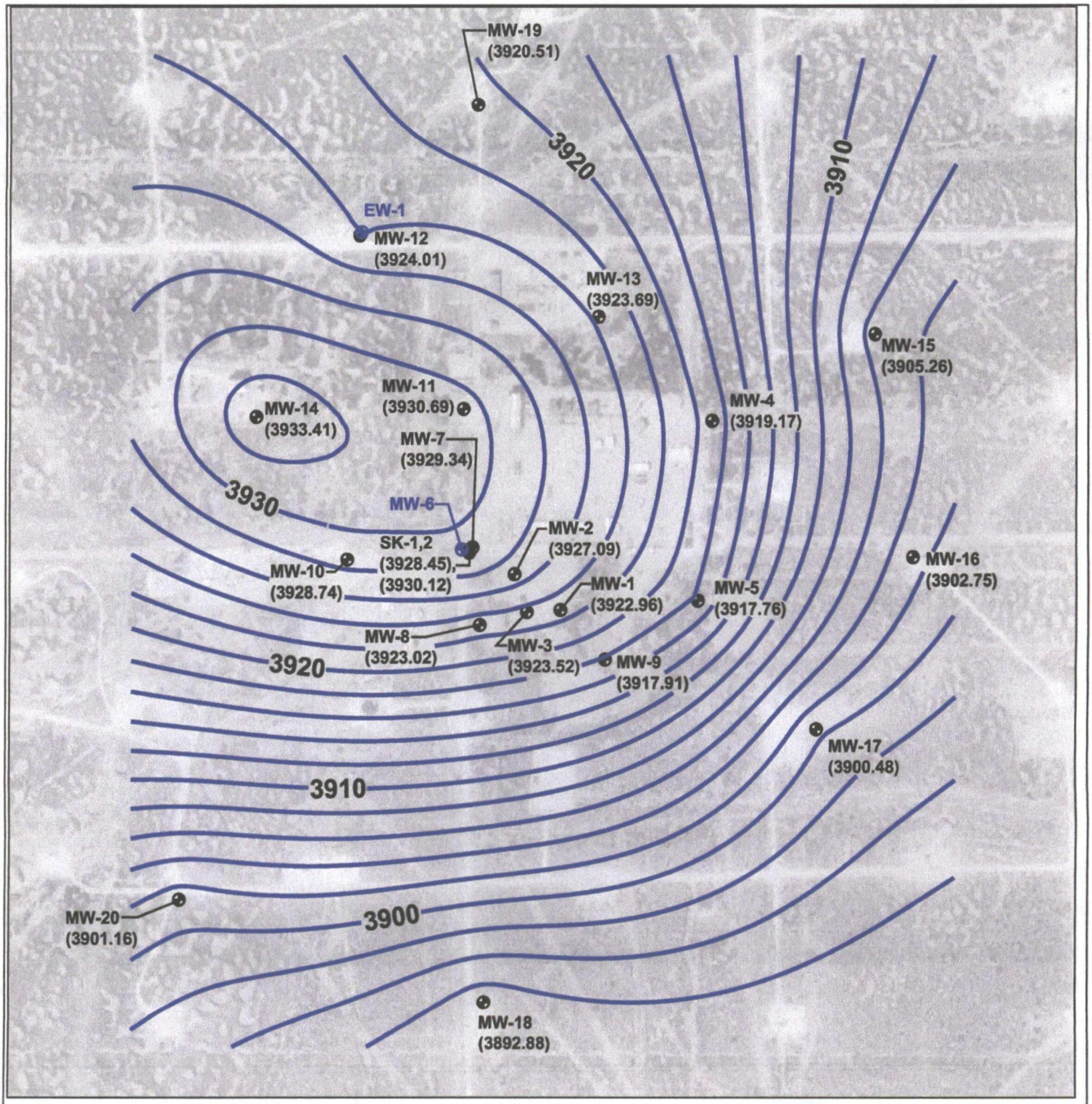
MW-18	Monitoring Well Location
EW-1	Extraction Well Location
(3922.90)	Groundwater Elevation feet above mean sea level
3920	Groundwater Elevation Contour contour interval = 2 feet

0 600 1200

SCALE (feet)

N

FIGURE 2b	GROUNDWATER ELEVATION CONTOUR MAP NOVEMBER 12, 2008
ConocoPhillips	TETRA TECH, INC.
MALJAMAR GAS PLANT Lea County, New Mexico Sec 21 T17S R32E	PROJECT NO. 115-8640039 DRAWING BY: GWP DRAWING DATE: 03/08/11 ACAD File: Maljamar.Site Base Map 2009.dwg



Source: Aerial Photo (dated 1/1996) Downloaded From Microsoft/USGS Terraserver

LEGEND

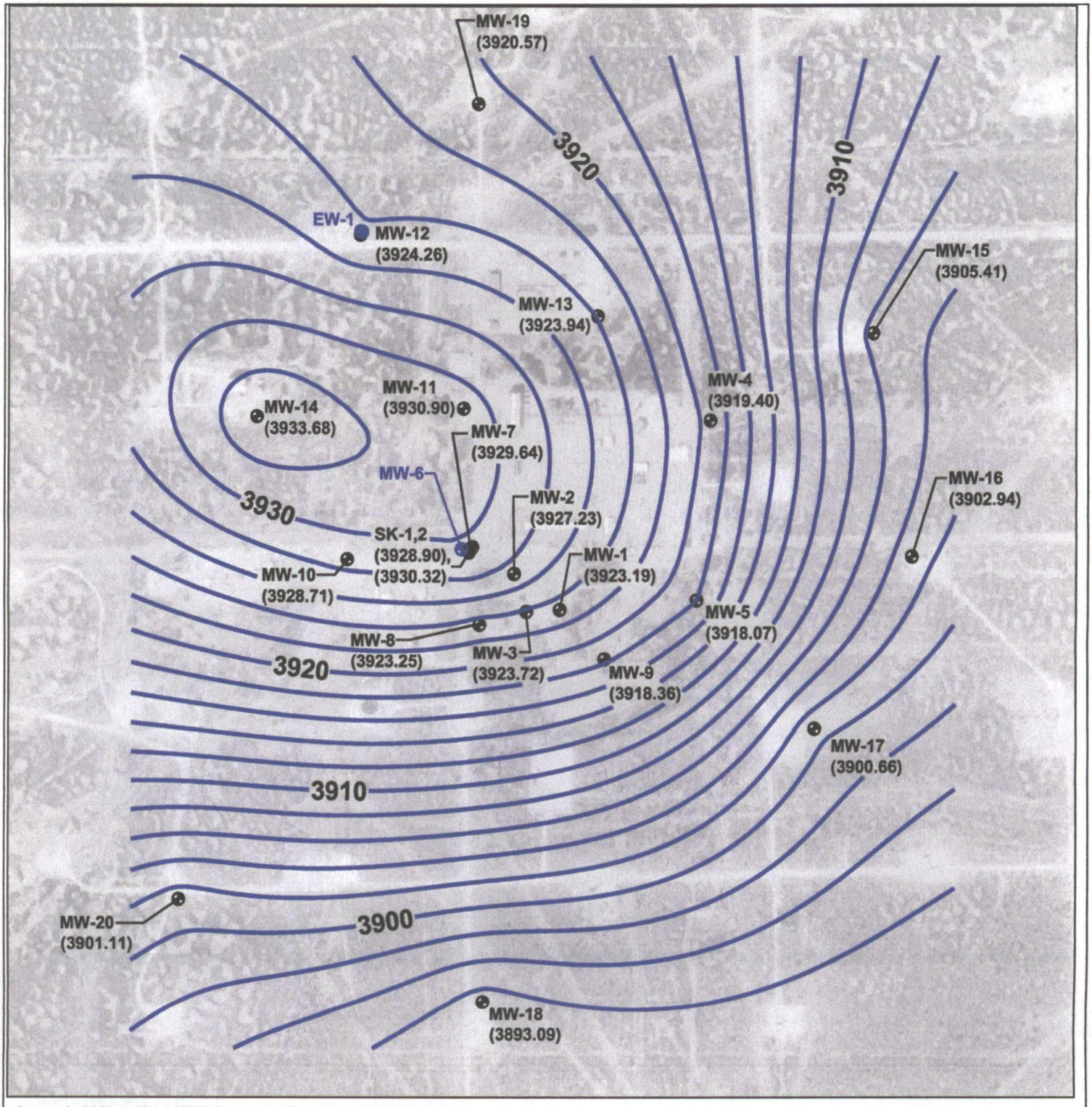
MW-18	Monitoring Well Location
MW-6	Extraction Well Location
(3922.96)	Groundwater Elevation feet above mean sea level
3920	Groundwater Elevation Contour contour interval = 2 feet

0 600 1200

SCALE (feet)

N

FIGURE 2c	GROUNDWATER ELEVATION CONTOUR MAP FEBRUARY 11, 2009
ConocoPhillips	TETRA TECH, INC.
MALJAMAR GAS PLANT Lea County, New Mexico Sec 21 T17S R32E	PROJECT NO. 115-8640039 DRAWING BY: GWP DRAWING DATE: 03/08/11 ACAD File: Maljamar.Site Base Map 2009.dwg



Source: Aerial Photo (dated 1/1996) Downloaded From Microsoft/USGS Terraserver

LEGEND

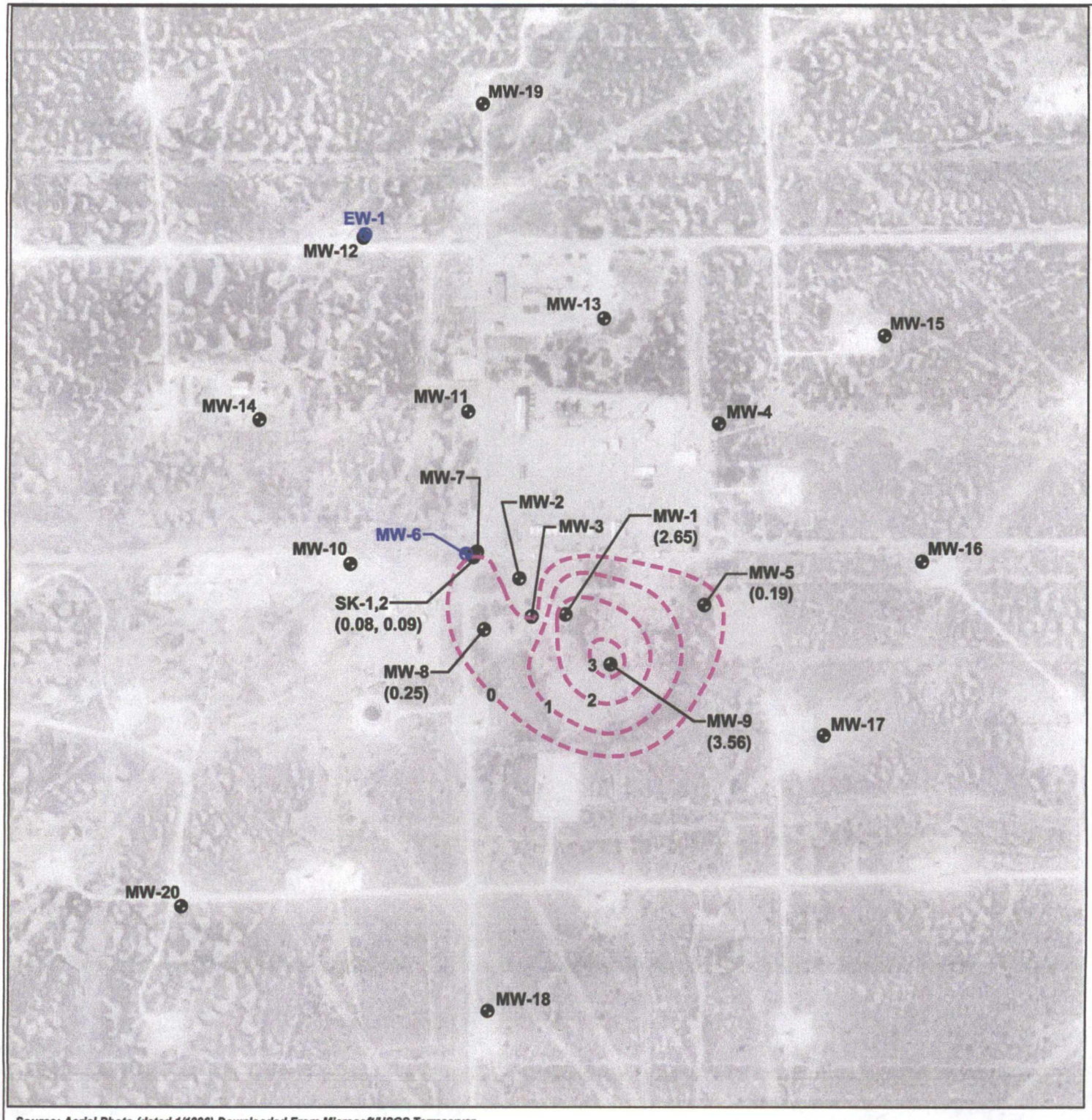
MW-18	Monitoring Well Location
EW-1	Extraction Well Location
(3923.19)	Groundwater Elevation feet above mean sea level
3920	Groundwater Elevation Contour contour interval = 2 feet

0 600 1200

SCALE (feet)

N

FIGURE 2d	GROUNDWATER ELEVATION CONTOUR MAP MAY 1, 2009
ConocoPhillips	TETRA TECH, INC.
MALJAMAR GAS PLANT Lea County, New Mexico Sec 21 T17S R32E	PROJECT NO. 115-8640039 DRAWING BY: GWP DRAWING DATE: 03/08/11 ACAD File: Maljamar.Site Base Map 2009.dwg



Source: Aerial Photo (dated 1/1996) Downloaded From Microsoft/USGS Terraserver

LEGEND

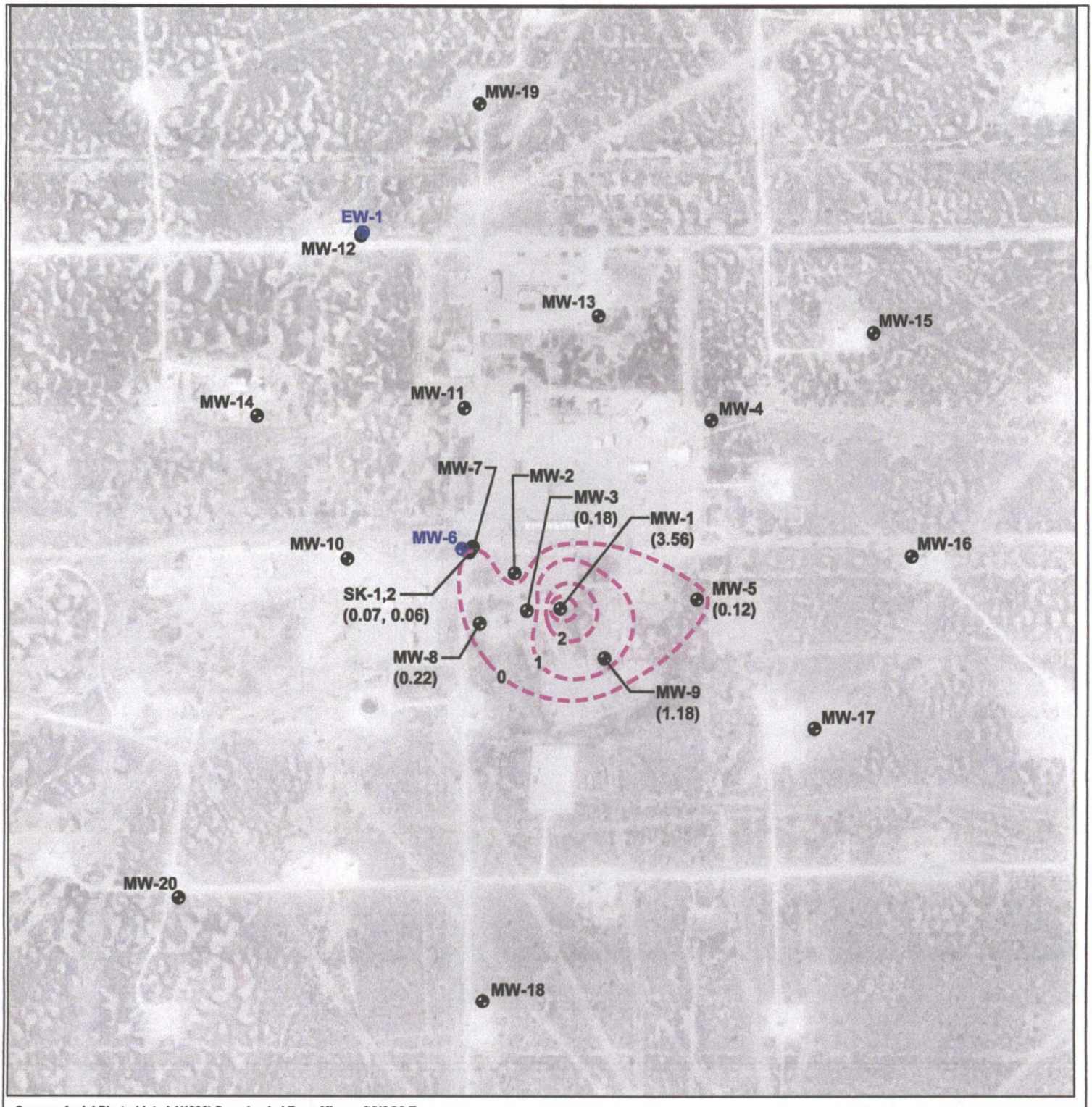
MW-18	Monitoring Well Location
EW-1	Extraction Well Location
(3.56)	LPH Thickness (feet)
3	LPH Thickness Contour

0 600 1200

SCALE (feet)

N

FIGURE 3a	**LIQUID PHASE HYDROCARBON (LPH) THICKNESS CONTOUR MAP August 19, 2008**
ConocoPhillips	TETRA TECH, INC.
MALJAMAR GAS PLANT Lea County, New Mexico Sec 21 T17S R32E	PROJECT NO. 115-8640039 DRAWING BY: GWP DRAWING DATE: 03/09/11 *ACAD File: Maljamar.Site Base Map 2009.dwg*



Source: Aerial Photo (dated 1/1996) Downloaded From Microsoft/USGS Terraserver

LEGEND

MW-18	Monitoring Well Location
EW-1	Extraction Well Location
(3.56)	LPH Thickness (feet)
3	LPH Thickness Contour

0 600 1200

SCALE (feet)

N

FIGURE 3b	**LIQUID PHASE HYDROCARBON (LPH) THICKNESS CONTOUR MAP November 12, 2008**

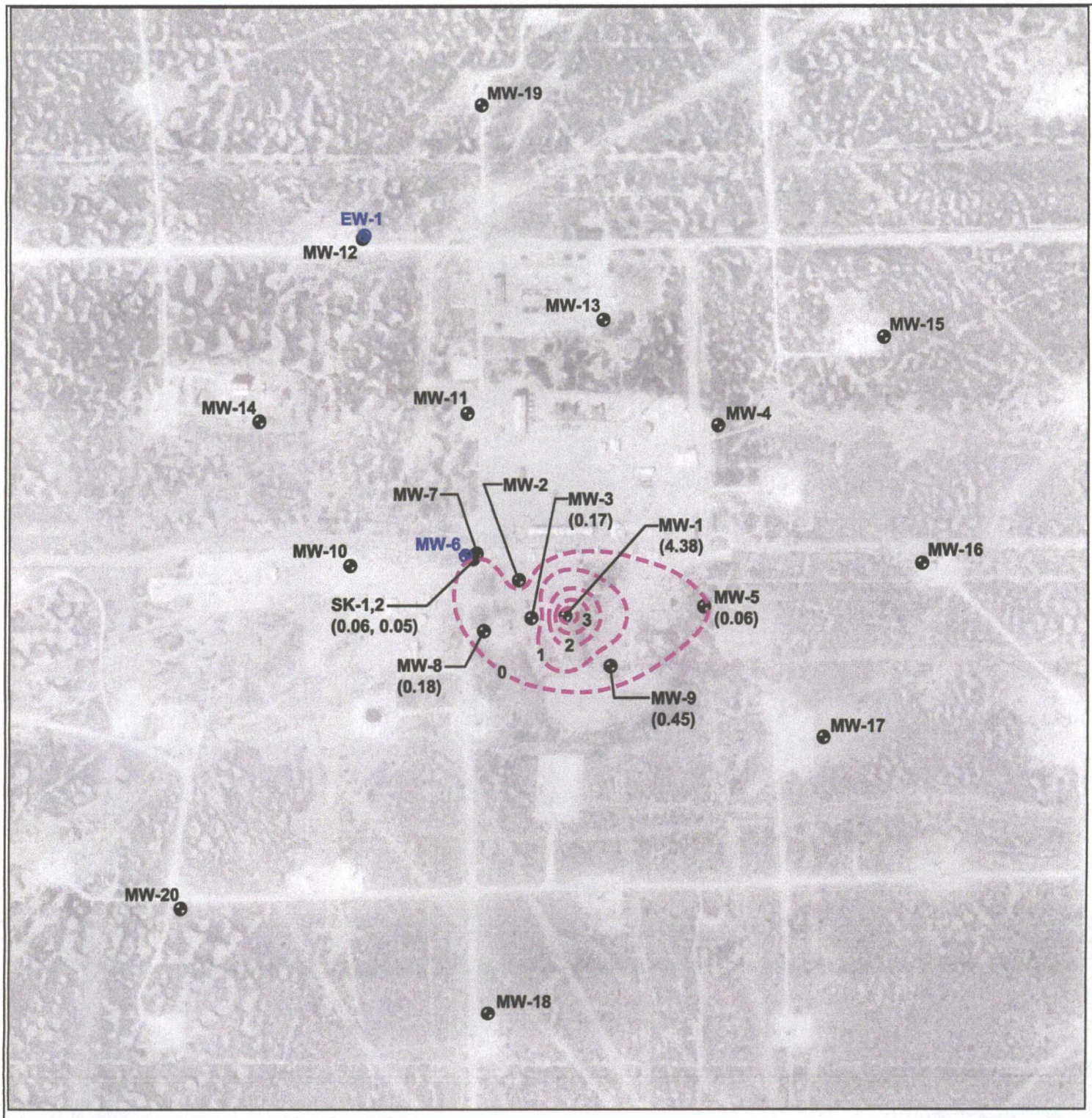
ConocoPhillips

TETRA TECH, INC.

MALJAMAR GAS PLANT
Lea County, New Mexico
Sec 21 T17S R32E

PROJECT NO. 115-8640039
DRAWING BY: GWP
DRAWING DATE: 03/09/11

ACAD File: Maljamar.Site Base Map 2009.dwg



Source: Aerial Photo (dated 1/1996) Downloaded From Microsoft/USGS Terraserver

LEGEND

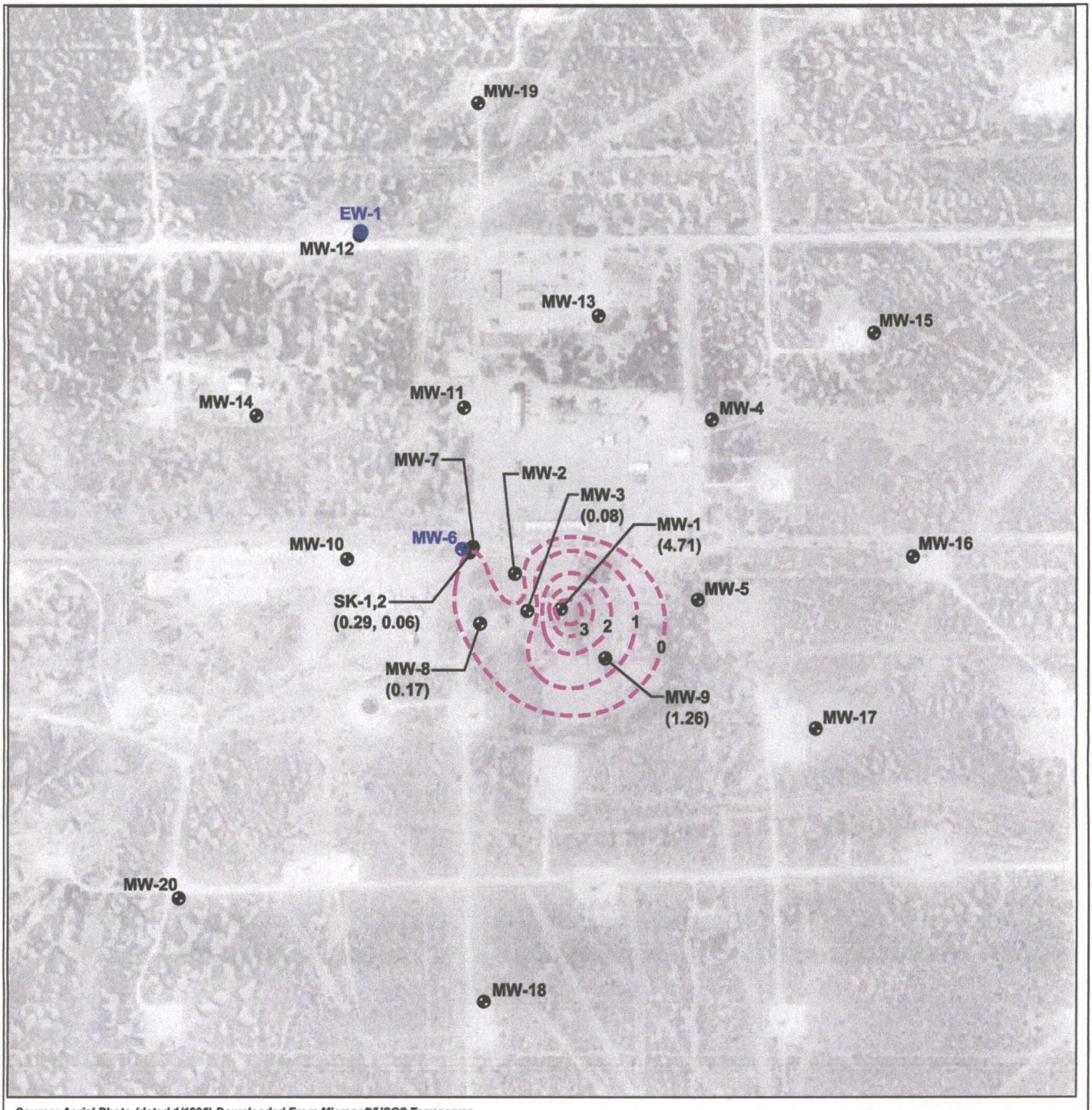
MW-18	Monitoring Well Location
EW-1	Extraction Well Location
(4.38)	LPH Thickness (feet)
3	LPH Thickness Contour

0 600 1200

SCALE (feet)

N

FIGURE 3c	LIQUID PHASE HYDROCARBON (LPH) THICKNESS CONTOUR MAP February 11, 2009
ConocoPhillips	TETRA TECH, INC.
MALJAMAR GAS PLANT Lea County, New Mexico Sec 21 T17S R32E	PROJECT NO. 115-8640039 DRAWING BY: GWP DRAWING DATE: 03/09/11 *ACAD File: Maljamar.Site Base Map 2009.dwg*



Source: Aerial Photo (dated 1/1996) Downloaded From Microsoft/USGS Terraserver

LEGEND

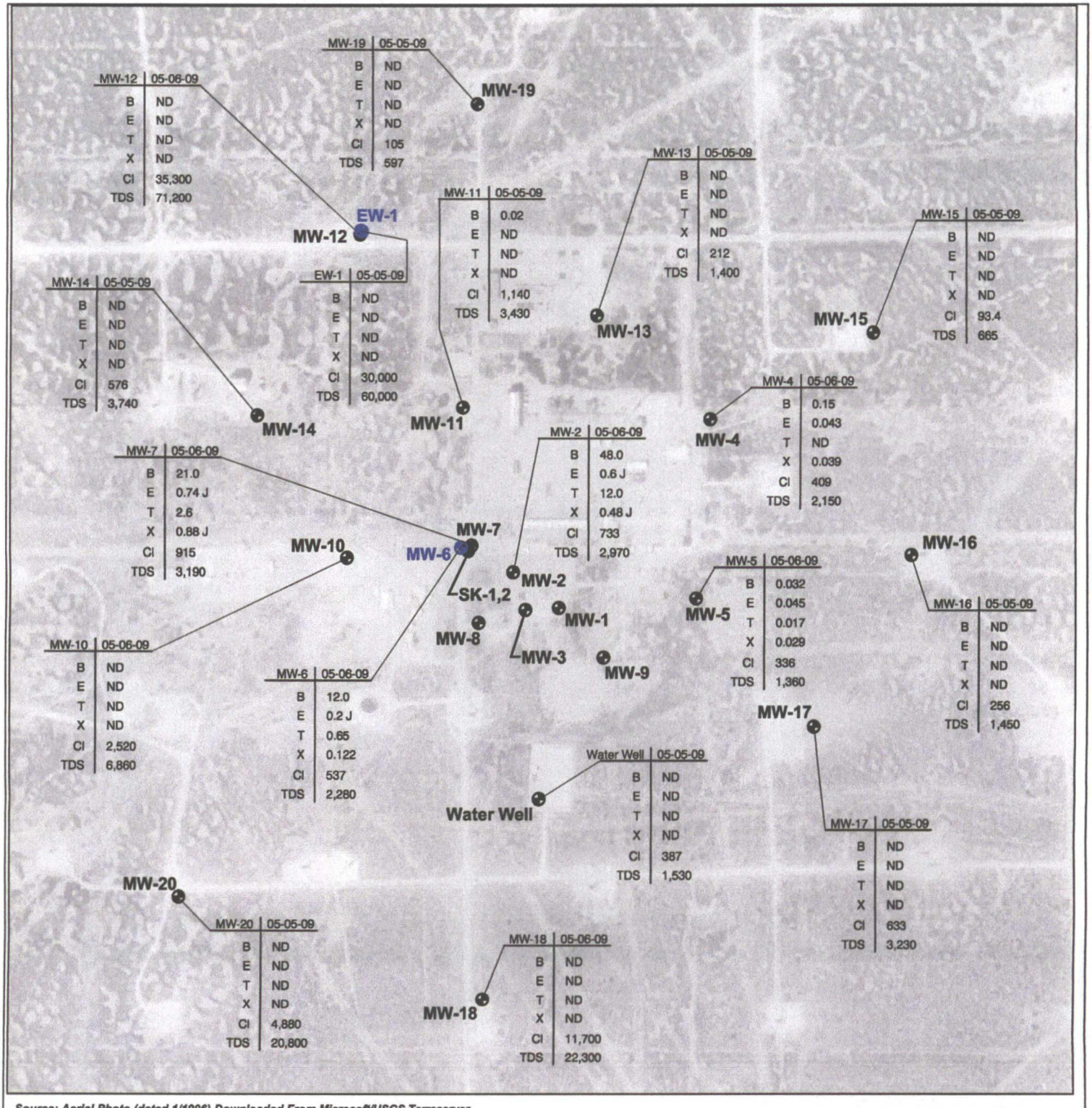
MW-18	Monitoring Well Location
EW-1	Extraction Well Location
(4.71)	LPH Thickness (feet)
3	LPH Thickness Contour

0 600 1200

SCALE (feet)

N

FIGURE 3d	**LIQUID PHASE HYDROCARBON (LPH) THICKNESS CONTOUR MAP MAY 1, 2009**
ConocoPhillips	TETRA TECH, INC.
MALJAMAR GAS PLANT Lea County, New Mexico Sec 21 T17S R32E	PROJECT NO. 115-8640039 DRAWING BY: GWP DRAWING DATE: 03/09/11 *ACAD File: Maljamar.Site Base Map 2009.dwg*



Source: Aerial Photo (dated 1/1996) Downloaded From Microsoft/USGS Terraserver

LEGEND

MW-18 — Monitoring Well Location

EW-1 — Extraction Well Location

ANALYTICAL DATA

Well Number	Sample Date
B	Benzene
E	Ethylbenzene
T	Toluene
X	Xylenes (Total)
Cl	Chloride
TDS	Total Dissolved Solids

Results in milligrams per liter
ND = Not detected at or above laboratory reporting limits
J = Estimated value between MDL and PQL

0 600 1200
SCALE (feet)

N

FIGURE 4

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS MAY 5-6, 2009

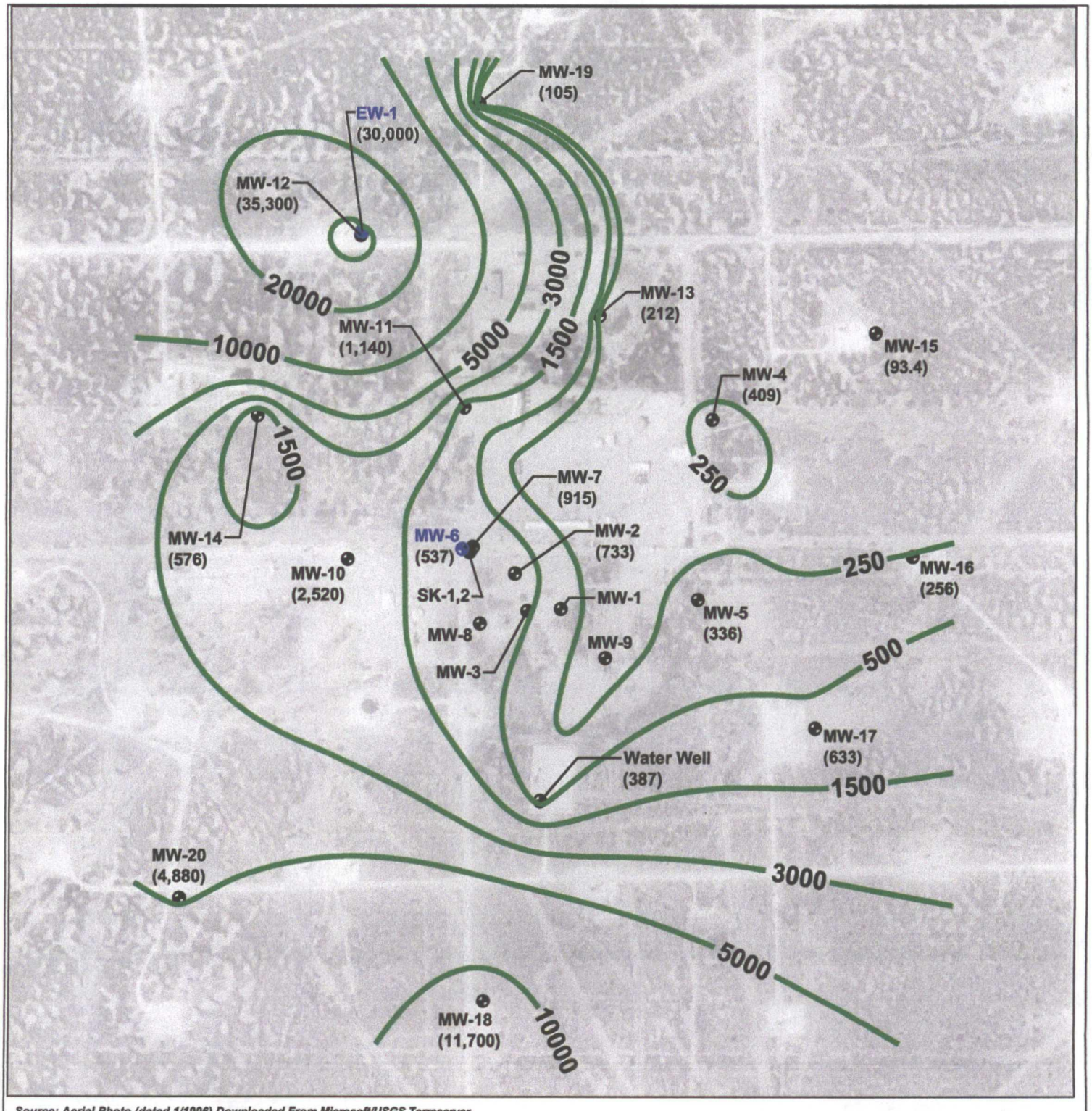
ConocoPhillips

TETRA TECH, INC.

MALJAMAR GAS PLANT
Lea County, New Mexico
Sec 21 T17S R32E

PROJECT NO. 115-8640039
DRAWING BY: GWP
DRAWING DATE: 03/09/11

ACAD File: Maljamar.Site Base Map 2009.dwg



Source: Aerial Photo (dated 1/1996) Downloaded From Microsoft/USGS Terraserver

LEGEND

MW-18	Monitoring Well Location
EW-1	Extraction Well Location
(4,880)	Chloride Concentration (mg/L)
3000	Chloride Concentration Contour

Notes: Groundwater Analytical Data Collected May 5-6, 2009
mg/L = milligrams per liter

0 600 1200
SCALE (feet)

N

FIGURE 5	CHLORIDE CONCENTRATION ISOPLETH MAP MAY 2009
ConocoPhillips	TETRA TECH, INC.
MALJAMAR GAS PLANT Lea County, New Mexico Sec 21 T17S R32E	PROJECT NO. 115-8640039 DRAWING BY: GWP DRAWING DATE: 03/10/11 ACAD File: Maljamar.Site Base Map 2009.dwg

TABLES

Table 1
Well Construction Details
ConocoPhillips
Maljamar Gas Plant
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	6/21/2000
MW-2	32.81250	-103.77244	4005.12	98	0-67	76.32		67-97	0.010	2	9/28/2000
MW-3	32.81206	-103.77228	4001.94	98	0-68	76.94		68-98	0.010	2	9/28/2000
MW-4	32.81425	-103.76967	4016.20	110	0-80	94.88		80-110	0.010	2	5/22/2001
MW-5	32.81217	-103.76989	4009.42	100	0-70	90.20		70-100	0.010	2	5/22/2001
MW-6*	32.81282	-103.77315	4005.23	105	0-105			70-100	0.010	6	3/31/2004
MW-7*	32.81281	-103.77308	4002.95	100	0-70	81.58	75.38	70-100	0.010	2	5/23/2001
MW-8	32.81192	-103.77294	4000.72	100	0-70	76.10		70-100	0.010	2	5/23/2001
MW-9	32.81150	-103.77119	4003.11	100	0-70	83.63		70-100	0.010	2	5/23/2001
MW-10	32.81269	-103.77478	4000.47	97	0-74	73.39		74-94	0.010	2	12/5/2001
MW-11	32.81442	-103.77314	4015.54	120	0-98	83.46		98-118	0.010	2	12/4/2001
MW-12*	32.81646	-103.77455	4022.53	120	0-99	94.39		99-119	0.010	2	12/4/2001
MW-13	32.81547	-103.77128	4031.96	127	0-105	106.68		105-125	0.010	2	12/3/2001
MW-14	32.81436	-103.77603	4006.98	120	0-80	75.00		80-100	0.010	4	3/20/2002
MW-15	32.81523	-103.76737	4026.75	130	0-99	113.50		99-129	0.010	2	9/17/2002
MW-16	32.81264	-103.76686	4017.74	130	0-98	113.50		98-128	0.010	2	9/17/2002
MW-17	32.81066	-103.76825	3998.58	100	0-79	97.36		79-99	0.010	2	9/17/2002
MW-18	32.80754	-103.77293	3980.46	110	0-87	85.91		87-107	0.010	2	9/17/2002
MW-19	32.81796	-103.77289	4037.34	120	0-98	117.23		98-118	0.010	2	9/17/2002
MW-20*	32.80878	-103.77718	3977.52	120	0-80	75.90		80-100	0.010	2	9/18/2002
SK-1*	32.81280	-103.77309	4005.60	105	0-85	74.07		85-105	0.010	4	3/21/2002
SK-2*	32.81278	-103.77309	4004.99	89.5	0-69	72.89		69-89	0.010	4	12/18/2002
EW-1	32.81650	-103.77452	4022.04	125	0-125	92.58		95-125	0.020	6	5/15/2007

Notes:
famsl = feet above mean sea level
fbgs = feet below ground surface
* 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
Blank Fields Indicate No Data

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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
	09/20/06	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
	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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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 cont.	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
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
	12/30/04	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
	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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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-2 cont.	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
	09/20/06	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
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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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-3 cont.	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
	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
	09/20/06	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	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
	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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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-3 cont.	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
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
	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
	09/20/06	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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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-4 cont.	08/21/07	4016.20	96.95		0.00	0.00	96.95	3919.25
	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
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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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-5 cont.	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
	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
	09/20/06	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	0.00	91.52	3917.90
	05/01/09	4009.42	91.35	0.00	0.00	0.00	91.35	3918.07
	06/08/09	4009.42	91.21	0.00	0.00	0.00	91.21	3918.21
	07/13/09	4009.42	91.26	0.00	0.00	0.00	91.26	3918.16
	08/10/09	4009.42	91.30	0.00	0.00	0.00	91.30	3918.12
	09/15/09	4009.42	91.15	0.00	0.00	0.00	91.15	3918.27
	10/06/09	4009.42	91.15	0.00	0.00	0.00	91.15	3918.27
	11/09/09	4009.42	91.35	0.00	0.00	0.00	91.35	3918.07
	12/23/09	4009.42	90.89	0.00	0.00	0.00	90.89	3918.53
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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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-7 cont.	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
	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
	09/20/06	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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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-7 cont.	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
*	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
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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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-8 cont.	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
	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
	09/20/06	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
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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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-9 cont.	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
	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
	09/20/06	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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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-9 cont.	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
	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
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
	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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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-10 cont.	09/20/06	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
	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
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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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-11 cont.	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
	09/20/06	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
	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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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-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
	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
	09/20/06	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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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-12 cont.	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
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
	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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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-13 cont.	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
	09/20/06	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
	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
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
	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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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-14 cont.	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
	09/20/06	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
	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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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-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
	09/20/06	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
	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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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-15 cont.	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
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
	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
	09/20/06	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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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-16 cont.	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
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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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-17 cont.	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
	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
	09/20/06	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
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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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-18 cont.	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
	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
	09/20/06	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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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-18 cont.	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
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
	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
	09/20/06	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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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-19 cont.	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
	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
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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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-20 cont.	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
	09/20/06	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	casing broken
	07/19/07	± 3976.92	79.91		0.00	0.00	79.91	casing broken
	08/21/07	± 3976.92	76.44		0.00	0.00	76.44	casing broken
	09/17/07	± 3976.92	76.58		0.00	0.00	76.58	casing broken
	10/16/07	± 3976.92	76.52		0.00	0.00	76.52	casing broken
	11/20/07	± 3976.92	76.60		0.00	0.00	76.60	casing broken
	* 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
	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
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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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
SK-1 cont.	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
	09/20/06	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
	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

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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
SK-2	12/19/02	4002.94	72.89	72.89	0.00	0.00	72.89	3930.05
	12/20/02	4002.94	74.08	73.73	0.35	0.28	73.80	3929.14
	12/30/02	4002.94	74.01	73.63	0.38	0.30	73.71	3929.23
	01/03/03	4002.94	74.42	73.79	0.63	0.50	73.92	3929.02
	01/07/03	4002.94	74.72	74.05	0.67	0.54	74.18	3928.76
	01/10/03	4002.94	75.38	73.74	1.64	1.31	74.07	3928.87
	01/15/03	4002.94	74.32	73.71	0.61	0.49	73.83	3929.11
	01/21/03	4002.94	74.53	73.60	0.93	0.74	73.79	3929.15
	02/17/03	4002.94	74.19	73.70	0.49	0.39	73.80	3929.14
	05/28/03	4002.94	74.54	73.79	0.75	0.60	73.94	3929.00
	06/07/04	4002.94	78.94	75.29	3.65	2.92	76.02	3926.92
	06/15/04	4002.94	79.21	75.38	3.83	3.06	76.15	3926.79
	06/21/04	4002.94	79.03	75.45	3.58	2.86	76.17	3926.77
	06/28/04	4002.94	79.63	75.62	4.01	3.21	76.42	3926.52
	07/06/04	4002.94	79.46	75.59	3.87	3.10	76.36	3926.58
	07/12/04	4002.94	79.61	75.68	3.93	3.14	76.47	3926.47
	07/19/04	4002.94	79.28	75.74	3.54	2.83	76.45	3926.49
	07/26/04	4002.94	79.63	75.83	3.80	3.04	76.59	3926.35
	08/02/04	4002.94	79.37	75.79	3.58	2.86	76.51	3926.43
	08/10/04	4002.94	79.59	75.85	3.74	2.99	76.60	3926.34
	08/16/04	4002.94	79.48	75.90	3.58	2.86	76.62	3926.32
	08/23/04	4002.94	78.97	75.83	3.14	2.51	76.46	3926.48
	08/30/04	4002.94	79.52	75.96	3.56	2.85	76.67	3926.27
	09/08/04	4002.94	79.62	76.01	3.61	2.89	76.73	3926.21
	10/08/04	4002.94	79.41	76.10	3.31	2.65	76.76	3926.18
	12/30/04	4002.94	79.14	76.16	2.98	2.38	76.76	3926.18
	01/17/05	4002.94	78.16	75.96	2.20	1.76	76.40	3926.54
	02/09/05	4002.94	79.31	76.31	3.00	2.40	76.91	3926.03
	03/09/05	4002.94	79.24	76.36	2.88	2.30	76.94	3926.00
	04/05/05	4002.94	78.57	76.17	2.40	1.92	76.65	3926.29
	05/10/05	4002.94	78.55	76.20	2.35	1.88	76.67	3926.27
	06/08/05	4002.94	77.68	76.58	1.10	0.88	76.80	3926.14
	07/05/05	4002.94	78.06	76.73	1.33	1.06	77.00	3925.94
	08/08/05	4002.94	76.63	0.00	0.00	0.00	76.63	3926.31
	09/14/05	4002.94	77.03	75.91	1.12	0.90	76.13	3926.81
	10/12/05	4002.94	76.58	75.77	0.81	0.65	75.93	3927.01
	11/09/05	4002.94	76.61	75.61	1.00	0.80	75.81	3927.13
	12/14/05	4002.94	76.93	75.76	1.17	0.94	75.99	3926.95
	01/12/06	4002.94	75.93	75.34	0.59	0.47	75.46	3927.48
	02/02/06	4002.94	76.60	75.64	0.96	0.77	75.83	3927.11
	03/07/06	4002.94	77.84	76.07	1.77	1.42	76.42	3926.52
	04/05/06	4002.94	78.40	76.26	2.14	1.71	76.69	3926.25
	05/08/06	4002.94	77.64	77.64	0.00	0.00	77.64	3925.30
	06/05/06	4002.94	76.85	76.07	0.78	0.62	76.23	3926.71
	07/11/06	4002.94	76.30	75.76	0.54	0.43	75.87	3927.07
	08/16/06	4002.94	74.80	0.00	0.00	0.00	74.80	3928.14
	08/30/06	4002.94	74.77	74.66	0.11	0.09	74.68	3928.26
	09/20/06	4002.94	75.64	75.24	0.40	0.32	75.32	3927.62
	10/11/06	4002.94	77.51	77.51	0.00	0.00	77.51	3925.43
	11/08/06	4002.94	74.99	74.99	0.00	0.00	74.99	3927.95
	12/04/06	4002.94	75.46	75.46	0.00	0.00	75.46	3927.48
	01/04/07	4002.94	74.79		0.00	0.00	74.79	3928.15
	02/27/07	4002.94	75.02	74.93	0.09	0.07	74.95	3927.99
	03/20/07	4002.94	75.98	75.72	0.26	0.21	75.77	3927.17
	04/17/07	4002.94	76.26	76.00	0.26	0.21	76.05	3926.89
	05/07/07	4002.94	75.91	75.64	0.27	0.22	75.69	3927.25
	06/27/07	4002.94	75.68	75.44	0.24	0.19	75.49	3927.45
	07/19/07	4002.94	75.28		0.00	0.00	75.28	3927.66
	08/21/07	4002.94	75.41	75.21	0.20	0.16	75.25	3927.69
	09/17/07	4002.94	75.25	75.17	0.08	0.06	75.19	3927.75
	10/16/07	4002.94	75.22	75.05	0.17	0.14	75.08	3927.86
	11/20/07	4002.94	75.20	75.03	0.17	0.14	75.06	3927.88
*	12/21/07	4004.99	75.02	74.89	0.13	0.10	74.92	3930.07

Table 2
Water Level Measurements
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico
(all measurements in feet)

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
SK-2 cont.	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
EW-1	06/27/07	4022.04	92.58		0.00	0.00	92.58	3929.46
	07/19/07	4022.04	93.27		0.00	0.00	93.27	3928.77

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

Table 3
Groundwater Quality Analysis
May 5-6, 2009
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico

Parameters (mg/L)	WW	MW-2	MW-4	MW-5	MW-6	MW-6 QA*	MW-7	MW-10	MW-11	MW-12	MW-12 QA*	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	EW-1	NM WQ Std
Total Metals																					
Calcium	198	344	170	211	180	170	394	825	528	3,720	3,760	226	648	327	187	415	2,540	394	3,220	3,680	
Magnesium	64.1	73.9	49.4	34	74.8	72.4	108	188	150	844	872	46.8	176	44.2	52	63.5	734	42.5	617	1,110	
Potassium	5.12	3.88	7.38	3.19	4	3.99	4	7.66	6	59.3	54.8	3.1	5.74	4.5	2.66	ND	21.3	6.16	27.8	58	
Sodium	149	77.7	82.8	191	121	122	84	820	172	21,200	22,200	74.4	51.3	58.2	76.9	272	4,010	52.1	1,260	21,700	
Volatile Organic Compounds																					
Benzene	ND	**48**	**0.15**	**0.032**	**12**	**12**	**21**	ND	**0.02**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01
Ethylbenzene	ND	0.6 J	0.043	0.045	0.2 J	0.19 J	0.74 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.75
Toluene	ND	**12**	ND	0.017	0.65	0.65	**2.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.75
Xylenes (total)	ND	0.48 J	0.039	0.029	0.122	0.115	**0.88 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.62
Semivolatile Organic Compounds																					
1-Methylnaphthalene	ND	0.0061	0.0088	0.008	ND	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.03
2-Methylnaphthalene	ND	0.006	0.0067	0.0071	ND	0.007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.03
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0007
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Fluorine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Naphthalene	ND	0.0067	ND	ND	ND	ND	0.0053	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.03
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Inorganic Analysis																					
Carbonate Alkalinity	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bicarbonate Alkalinity	172	121	355	504	241	237	209	169	162	101	116	204	230	243	246	269	118	241	133	99	
Total Alkalinity	172	121	355	504	241	237	209	169	162	101	116	204	230	243	246	269	118	241	133	99	
Bromide	ND	ND	ND	ND	ND	ND	ND	ND	6.82	ND	ND	1.32	6.05	ND	ND	ND	ND	0.836	ND	ND	
Chloride	**387**	**733**	**409**	**336**	**537**	**557**	**915**	**2,520**	**1,140**	**35,300**	**31,400**	212	**576**	93.4	**256**	**633**	**11,700**	105	**4,880**	**30,000**	250
Nitrate as N	0.509	0.769	ND	ND	ND	ND	ND	3.04	ND	1.79	1.94	**15.9**	**11.8**	ND	ND	ND	3.44	0.944	2.64	ND	10
Sulfate	106	3.48	0.778	7.27	ND	ND	0.511	370	149	**1,140**	**1,180**	236	**774**	58.7	112	265	557	26.7	485	**1,110**	600
Total Dissolved Solids	**1,530**	**2,970**	**2,150**	**1,360**	**2,280**	**2,230**	**3,190**	**6,860**	**3,430**	**71,200**	**69,800**	**1,400**	**3,740**	665	**1,450**	**3,230**	**22,300**	597	**20,800**	**60,000**	1,000

Notes:
mg/L = milligrams per liter
ND = Not detected at or above laboratory reporting limits.
J = Estimated value between Method Detection Limit and Practical Quantitation Limit
NM WQ Std = New Mexico Water Quality Standard

* QA = Field duplicate sample analyses for evaluation of laboratory quality assurance/quality control (QA/QC) procedures.
Trip blanks used for sample shipping QA/QC reported non-detect for BTEX concentrations.
Blank fields indicate no data.

Table 4
MW-6 Groundwater Quality Measurements
ConocoPhillips
Maljamar Gas Plant
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

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

Table 5a
Extraction Well MW-6 Recovery Volumes
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico

Date	Time	Flowmeter Reading	Gallons Per Reading	Cumulative Gallons	Gallons Per Pumping Cycle	Gallons Per Minute	Comments
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	
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	
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	
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	

Table 5a
Extraction Well MW-6 Recovery Volumes
ConocoPhillips
Maljamar Gas Plant
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	
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	

Table 5b
Extraction Well EW-1 Recovery Volumes
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico

Date	Time	Flowmeter Reading	Gallons Per Reading	Cumulative Gallons	Gallons Per Pumping Cycle	Gallons Per Minute	Comments
09/17/07	9:30	0.00					Start pumping EW-1
09/17/07	12:05	187.10	187.10	187.10		1.21	
10/16/07	8:42	3,793.00	3,605.90	3,793.00		0.09	
10/16/07	9:20	3,813.70	20.70	3,813.70	20.70	0.54	Check pump cycle volume
11/20/07	8:43	7,671.50	3,857.80	7,671.50		0.08	
12/21/07	8:20	9,925.80	2,254.30	9,925.80		0.05	
12/21/07	8:51	9,945.20	19.40	9,945.20	19.40	0.63	Check pump cycle volume
02/27/08	8:55	16,656.70	6,711.50	16,656.70		0.07	
02/27/08	10:55	16,674.40	17.70	16,674.40	17.70	0.57	Check pump cycle volume
03/12/08	9:20	18,031.50	1,357.10	18,031.50		0.07	
03/12/08	10:40	18,031.50	0.00	18,031.50		0.00	Pump off
03/25/08	9:38	19,339.20	1,307.70	19,339.20		0.07	
03/25/08	10:25	19,339.20	0.00	19,339.20		0.00	Pump off
04/29/08	8:55	22,760.20	3,421.00	22,760.20		0.07	
04/29/08	9:25	22,779.90	19.70	22,779.90	19.70	0.64	Check pump cycle volume
05/05/08	13:49	23,368.50	588.60	23,368.50		0.07	
06/10/08	8:50	26,631.70	3,263.20	26,631.70		0.06	
06/10/08	9:35	26,631.70	0.00	26,631.70		0.00	Pump off
07/15/08	9:13	29,908.90	3,277.20	29,908.90		0.07	
07/15/08	9:57	29,908.90	0.00	29,908.90		0.00	Pump off
08/19/08	9:06	33,081.00	3,172.10	33,081.00		0.06	
08/19/08	9:52	33,081.00	0.00	33,081.00		0.00	Pump off
09/16/08	9:25	35,767.90	2,686.90	35,767.90		0.07	
09/16/08	11:36	35,767.90	0.00	35,767.90		0.00	Pump off
10/15/08	9:25	38,521.00	2,753.10	38,521.00		0.07	
10/15/08	12:46	38,537.90	16.90	38,537.90	16.90	0.55	Check pump cycle volume
11/12/08	9:09	41,178.20	2,640.30	41,178.20		0.07	
11/12/08	10:15	41,178.20	0.00	41,178.20		0.00	Pump off
12/11/08	9:03	43,872.10	2,693.90	43,872.10		0.06	
12/11/08	9:32	43,872.10	0.00	43,872.10		0.00	Pump off
01/13/09	9:22	44,259.00	386.90	44,259.00		0.01	
02/11/09	9:23	46,847.80	2,588.80	46,847.80		0.06	
02/11/09	9:47	46,847.80	0.00	46,847.80		0.00	Pump off
03/10/09	9:23	49,402.60	2,554.80	49,402.60		0.07	
04/13/09	10:39	52,700.70	3,298.10	52,700.70		0.07	
05/01/09	10:45	54,729.60	2,028.90	54,729.60		0.08	
06/08/09	10:26	58,041.90	3,312.30	58,041.90		0.06	
07/13/09	10:25	61,432.10	3,390.20	61,432.10		0.07	
08/10/09	10:03	64,147.10	2,715.00	64,147.10		0.07	
09/15/09	10:46	67,601.50	3,454.40	67,601.50		0.07	Power off f/ electrical & piping repairs
10/07/09	10:00	67,601.50	0.00	67,601.50		0.00	Re-start pump after repairs
11/09/09	10:00	71,018.60	3,417.10	71,018.60		0.04	
11/09/09	10:37	71,031.90	13.30	71,031.90	13.30	0.36	Check pump cycle volume
12/23/09	11:06	75,256.10	4,224.20	75,256.10		0.07	

APPENDIX A

Laboratory Analytical Data

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713)660-0901

Conoco Phillips

Certificate of Analysis Number:

09050217

Report To:		Project Name:	COP Maljamar Gas Plant
Tetra Tech		Site:	Maljamar, NM
Greg Pope		Site Address:	
1910 N. Big Spring St			
Midland		PO Number:	4509825328
TX		State:	New Mexico
79705-		State Cert. No.:	
ph: (432) 682-4559	fax:	Date Reported:	6/11/2009

This Report Contains A Total Of 41 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

6/11/2009

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

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Case Narrative for:

Conoco Phillips

Certificate of Analysis Number:

09050217

Report To:		Project Name:	COP Maljamar Gas Plant
Tetra Tech		Site:	Maljamar, NM
Greg Pope		Site Address:	
1910 N. Big Spring St			
Midland		PO Number:	4509825328
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79705-		State Cert. No.:	
ph: (432) 682-4559	fax:	Date Reported:	6/11/2009

This report was revised on June 11, 2009 to correct the reported TDS results for your sample IDs "MW-20 and WW" (SPL IDs: 09050217-07 and 08). The results for these two samples were inadvertantly switched by the laboratory.

Per the Conoco Phillips TSM Revision 0, a copy of the internal chain of custody is to be included in final data package. However, due to LIMS limitations, this cannot be provided at this time.

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Due to limited sample volume, a Matrix Spike (MS) or Matrix Spike Duplicate (MSD) was not extracted with Batch ID:90082 for the Semivolatile Organics analysis by SW846 Method 8270C. A Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) were extracted with the analytical batch and serve as the batch quality control (QC). The LCS and LCSD recovered acceptably and precision criteria were met.

Your sample ID "WW" (SPL ID:09050217-08) was randomly selected for use in SPL's quality control program for the Ion Chromatography analysis by EPA Method 300.0 (Batch ID:R272666).The Matrix Spike (MS) recovery was outside of the advisable quality control limits due to possible matrix interference for the following analyte:

Bromide

A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

Erica Cardenas
Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

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8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
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Conoco Phillips

Certificate of Analysis Number:

09050217

Report To: Tetra Tech
Greg Pope
1910 N. Big Spring St

Midland
TX
79705-
ph: (432) 682-4559 fax: (432) 686-8085

Fax To:

Project Name: COP Maljamar Gas Plant
Site: Maljamar, NM
Site Address:

PO Number: 4509825328
State: New Mexico
State Cert. No.:
Date Reported: 6/11/2009

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-19	09050217-01	Water	5/5/2009 8:45:00 AM	5/6/2009 9:30:00 AM	316773	☐
MW-15	09050217-02	Water	5/5/2009 9:50:00 AM	5/6/2009 9:30:00 AM		☐
MW-13	09050217-03	Water	5/5/2009 10:20:00 AM	5/6/2009 9:30:00 AM		☐
MW-16	09050217-04	Water	5/5/2009 11:02:00 AM	5/6/2009 9:30:00 AM		☐
MW-11	09050217-05	Water	5/5/2009 12:33:00 PM	5/6/2009 9:30:00 AM		☐
MW-14	09050217-06	Water	5/5/2009 1:20:00 PM	5/6/2009 9:30:00 AM		☐
MW-20	09050217-07	Water	5/5/2009 2:00:00 PM	5/6/2009 9:30:00 AM		☐
WW	09050217-08	Water	5/5/2009 2:30:00 PM	5/6/2009 9:30:00 AM		☐
EW-1	09050217-09	Water	5/5/2009 2:45:00 PM	5/6/2009 9:30:00 AM		☐
Trip Blank	09050217-10	Water	5/5/2009	5/6/2009 9:30:00 AM		☐

Erica Cardenas 6/11/2009

Erica Cardenas
Project Manager

Date

Kesavalu M. Bagawandoss Ph.D., J.D.
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
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Client Sample ID: MW-19 **Collected:** 05/05/2009 8:45 **SPL Sample ID:** 09050217-01

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CACO3), TOTAL				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Total (As CaCO3)	241		2	1	05/07/09 13:30	PAC	5010478
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity,Bicarbonate	241		2	1	05/07/09 13:30	PAC	5010520
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity,Carbonate	ND		2	1	05/07/09 13:30	PAC	5010538
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	0.836		0.5	1	05/06/09 18:02	BDG	5019552
Chloride	105		5	10	05/11/09 17:43	BDG	5019500
Sulfate	26.7		5	10	05/11/09 17:43	BDG	5019500
Nitrogen,Nitrate (As N)	0.944		0.5	1	05/06/09 18:02	BDG	5012818
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	394		10	100	05/16/09 20:00	EG	5023370
Magnesium	42.5		1	10	05/16/09 19:56	EG	5023369
Potassium	6.16		5	5	05/16/09 19:52	EG	5023368
Sodium	52.1		2	20	05/18/09 17:24	EG	5025523

PrepMethod	Prep Date	Prep Initials	Prep Factor
SW3010A	05/08/2009 12:30	AB1	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID: MW-19 **Collected:** 05/05/2009 8:45 **SPL Sample ID:** 09050217-01

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq.#
SEMIVOLATILES ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**	**Units: ug/L**		
1-Methylnaphthalene	ND		5	1	05/12/09 13:35	S_G	5017289
2-Methylnaphthalene	ND		5	1	05/12/09 13:35	S_G	5017289
Acenaphthene	ND		5	1	05/12/09 13:35	S_G	5017289
Acenaphthylene	ND		5	1	05/12/09 13:35	S_G	5017289
Anthracene	ND		5	1	05/12/09 13:35	S_G	5017289
Benz(a)anthracene	ND		5	1	05/12/09 13:35	S_G	5017289
Benzo(a)pyrene	ND		5	1	05/12/09 13:35	S_G	5017289
Benzo(b)fluoranthene	ND		5	1	05/12/09 13:35	S_G	5017289
Benzo(g,h,i)perylene	ND		5	1	05/12/09 13:35	S_G	5017289
Benzo(k)fluoranthene	ND		5	1	05/12/09 13:35	S_G	5017289
Chrysene	ND		5	1	05/12/09 13:35	S_G	5017289
Dibenz(a,h)anthracene	ND		5	1	05/12/09 13:35	S_G	5017289
Dibenzofuran	ND		5	1	05/12/09 13:35	S_G	5017289
Fluoranthene	ND		5	1	05/12/09 13:35	S_G	5017289
Fluorene	ND		5	1	05/12/09 13:35	S_G	5017289
Indeno(1,2,3-cd)pyrene	ND		5	1	05/12/09 13:35	S_G	5017289
Naphthalene	ND		5	1	05/12/09 13:35	S_G	5017289
Phenanthrene	ND		5	1	05/12/09 13:35	S_G	5017289
Pyrene	ND		5	1	05/12/09 13:35	S_G	5017289
Surr:2-Fluorobiphenyl	45.4		% 23-116	1	05/12/09 13:35	S_G	5017289
Surr:Nitrobenzene-d5	40.6		% 21-114	1	05/12/09 13:35	S_G	5017289
Surr:Terphenyl-d14	23.0		% 22-141	1	05/12/09 13:35	S_G	5017289

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/07/2009 15:30	N_M	1.00

TOTAL DISSOLVED SOLIDS			**MCL**	**SM2540 C**	**Units: mg/L**		
Total Dissolved Solids (Residue,Filterable)	597		10	1	05/06/09 17:30	CFS	5009793
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND		5	1	05/11/09 18:04	E_G	5015670
Ethylbenzene	ND		5	1	05/11/09 18:04	E_G	5015670
Toluene	ND		5	1	05/11/09 18:04	E_G	5015670
m,p-Xylene	ND		5	1	05/11/09 18:04	E_G	5015670
o-Xylene	ND		5	1	05/11/09 18:04	E_G	5015670
Xylenes,Total	ND		5	1	05/11/09 18:04	E_G	5015670
Surr:1,2-Dichloroethane-d4	105		% 78-116	1	05/11/09 18:04	E_G	5015670
Surr:4-Bromofluorobenzene	102		% 74-125	1	05/11/09 18:04	E_G	5015670
Surr:Toluene-d8	107		% 82-118	1	05/11/09 18:04	E_G	5015670

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
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Client Sample ID: MW-15 **Collected:** 05/05/2009 9:50 **SPL Sample ID:** 09050217-02

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CACO3), TOTAL				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Total (As CaCO3)	243		2	1	05/07/09 13:30	PAC	5010479
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity,Bicarbonate	243		2	1	05/07/09 13:30	PAC	5010521
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity,Carbonate	ND		2	1	05/07/09 13:30	PAC	5010539
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	ND		0.5	1	05/06/09 18:21	BDG	5019553
Chloride	93.4		5	10	05/11/09 18:20	BDG	5019501
Sulfate	58.7		5	10	05/11/09 18:20	BDG	5019501
Nitrogen,Nitrate (As N)	ND		0.5	1	05/06/09 18:21	BDG	5012819
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	327		10	100	05/17/09 17:08	EG	5024297
Magnesium	44.2		1	10	05/17/09 17:00	EG	5024295
Potassium	4.5		1	1	05/17/09 16:55	EG	5024294
Sodium	58.2		2	20	05/17/09 17:04	EG	5024296

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/08/2009 12:30	AB1	1.00

Qualifiers:

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J - Estimated Value between MDL and PQL
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Client Sample ID: MW-15 **Collected:** 05/05/2009 9:50 **SPL Sample ID:** 09050217-02

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**	**Units: ug/L**		
1-Methylnaphthalene	ND		5	1	05/11/09 20:23	S_G	5015961
2-Methylnaphthalene	ND		5	1	05/11/09 20:23	S_G	5015961
Acenaphthene	ND		5	1	05/11/09 20:23	S_G	5015961
Acenaphthylene	ND		5	1	05/11/09 20:23	S_G	5015961
Anthracene	ND		5	1	05/11/09 20:23	S_G	5015961
Benz(a)anthracene	ND		5	1	05/11/09 20:23	S_G	5015961
Benzo(a)pyrene	ND		5	1	05/11/09 20:23	S_G	5015961
Benzo(b)fluoranthene	ND		5	1	05/11/09 20:23	S_G	5015961
Benzo(g,h,i)perylene	ND		5	1	05/11/09 20:23	S_G	5015961
Benzo(k)fluoranthene	ND		5	1	05/11/09 20:23	S_G	5015961
Chrysene	ND		5	1	05/11/09 20:23	S_G	5015961
Dibenz(a,h)anthracene	ND		5	1	05/11/09 20:23	S_G	5015961
Dibenzofuran	ND		5	1	05/11/09 20:23	S_G	5015961
Fluoranthene	ND		5	1	05/11/09 20:23	S_G	5015961
Fluorene	ND		5	1	05/11/09 20:23	S_G	5015961
Indeno(1,2,3-cd)pyrene	ND		5	1	05/11/09 20:23	S_G	5015961
Naphthalene	ND		5	1	05/11/09 20:23	S_G	5015961
Phenanthrene	ND		5	1	05/11/09 20:23	S_G	5015961
Pyrene	ND		5	1	05/11/09 20:23	S_G	5015961
Surr:2-Fluorobiphenyl	50.0		% 23-116	1	05/11/09 20:23	S_G	5015961
Surr:Nitrobenzene-d5	44.6		% 21-114	1	05/11/09 20:23	S_G	5015961
Surr:Terphenyl-d14	28.8		% 22-141	1	05/11/09 20:23	S_G	5015961

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/07/2009 15:30	N_M	1.00

TOTAL DISSOLVED SOLIDS			**MCL**	**SM2540 C**	**Units: mg/L**		
Total Dissolved Solids (Residue,Filterable)	665		50	5	05/06/09 17:30	CFS	5009794
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND		5	1	05/11/09 18:29	E_G	5015671
Ethylbenzene	ND		5	1	05/11/09 18:29	E_G	5015671
Toluene	ND		5	1	05/11/09 18:29	E_G	5015671
m,p-Xylene	ND		5	1	05/11/09 18:29	E_G	5015671
o-Xylene	ND		5	1	05/11/09 18:29	E_G	5015671
Xylenes,Total	ND		5	1	05/11/09 18:29	E_G	5015671
Surr:1,2-Dichloroethane-d4	105		% 78-116	1	05/11/09 18:29	E_G	5015671
Surr:4-Bromofluorobenzene	100		% 74-125	1	05/11/09 18:29	E_G	5015671
Surr:Toluene-d8	106		% 82-118	1	05/11/09 18:29	E_G	5015671

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713)660-0901

Client Sample ID: MW-13 **Collected:** 05/05/2009 10:20 **SPL Sample ID:** 09050217-03

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CACO3), TOTAL				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Total (As CaCO3)	204		2	1	05/07/09 13:30	PAC	5010480
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity,Bicarbonate	204		2	1	05/07/09 13:30	PAC	5010522
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity,Carbonate	ND		2	1	05/07/09 13:30	PAC	5010540
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	1.32		0.5	1	05/06/09 18:39	BDG	5019554
Chloride	212		10	20	05/11/09 19:14	BDG	5019504
Sulfate	236		10	20	05/11/09 19:14	BDG	5019504
Nitrogen,Nitrate (As N)	15.9		0.5	1	05/06/09 18:39	BDG	5012820
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	226		10	100	05/16/09 20:23	EG	5023372
Magnesium	46.8		1	10	05/16/09 20:19	EG	5023371
Potassium	3.1		1	1	05/17/09 17:12	EG	5024298
Sodium	74.4		2	20	05/17/09 17:16	EG	5024299

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/08/2009 12:30	AB1	1.00

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TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
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MI - Matrix Interference

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Client Sample ID: MW-13 **Collected:** 05/05/2009 10:20 **SPL Sample ID:** 09050217-03

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**	**Units: ug/L**		
1-Methylnaphthalene	ND		5	1	05/11/09 20:57	S_G	5015962
2-Methylnaphthalene	ND		5	1	05/11/09 20:57	S_G	5015962
Acenaphthene	ND		5	1	05/11/09 20:57	S_G	5015962
Acenaphthylene	ND		5	1	05/11/09 20:57	S_G	5015962
Anthracene	ND		5	1	05/11/09 20:57	S_G	5015962
Benz(a)anthracene	ND		5	1	05/11/09 20:57	S_G	5015962
Benzo(a)pyrene	ND		5	1	05/11/09 20:57	S_G	5015962
Benzo(b)fluoranthene	ND		5	1	05/11/09 20:57	S_G	5015962
Benzo(g,h,i)perylene	ND		5	1	05/11/09 20:57	S_G	5015962
Benzo(k)fluoranthene	ND		5	1	05/11/09 20:57	S_G	5015962
Chrysene	ND		5	1	05/11/09 20:57	S_G	5015962
Dibenz(a,h)anthracene	ND		5	1	05/11/09 20:57	S_G	5015962
Dibenzofuran	ND		5	1	05/11/09 20:57	S_G	5015962
Fluoranthene	ND		5	1	05/11/09 20:57	S_G	5015962
Fluorene	ND		5	1	05/11/09 20:57	S_G	5015962
Indeno(1,2,3-cd)pyrene	ND		5	1	05/11/09 20:57	S_G	5015962
Naphthalene	ND		5	1	05/11/09 20:57	S_G	5015962
Phenanthrene	ND		5	1	05/11/09 20:57	S_G	5015962
Pyrene	ND		5	1	05/11/09 20:57	S_G	5015962
Surr:2-Fluorobiphenyl	52.6		% 23-116	1	05/11/09 20:57	S_G	5015962
Surr:Nitrobenzene-d5	47.8		% 21-114	1	05/11/09 20:57	S_G	5015962
Surr:Terphenyl-d14	47.6		% 22-141	1	05/11/09 20:57	S_G	5015962

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/07/2009 15:30	N_M	1.00

TOTAL DISSOLVED SOLIDS			**MCL**	**SM2540 C**	**Units: mg/L**		
Total Dissolved Solids (Residue,Filterable)	1400		10	1	05/06/09 17:30	CFS	5009795
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND		5	1	05/12/09 16:34	E_G	5017170
Ethylbenzene	ND		5	1	05/12/09 16:34	E_G	5017170
Toluene	ND		5	1	05/12/09 16:34	E_G	5017170
m,p-Xylene	ND		5	1	05/12/09 16:34	E_G	5017170
o-Xylene	ND		5	1	05/12/09 16:34	E_G	5017170
Xylenes,Total	ND		5	1	05/12/09 16:34	E_G	5017170
Surr:1,2-Dichloroethane-d4	106		% 78-116	1	05/12/09 16:34	E_G	5017170
Surr:4-Bromofluorobenzene	103		% 74-125	1	05/12/09 16:34	E_G	5017170
Surr:Toluene-d8	108		% 82-118	1	05/12/09 16:34	E_G	5017170

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713)660-0901

Client Sample ID: MW-16 **Collected:** 05/05/2009 11:02 **SPL Sample ID:** 09050217-04

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CACO3), TOTAL				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Total (As CaCO3)	246		2	1	05/07/09 13:30	PAC	5010481
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity,Bicarbonate	246		2	1	05/07/09 13:30	PAC	5010523
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity,Carbonate	ND		2	1	05/07/09 13:30	PAC	5010541
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	ND		0.5	1	05/06/09 18:57	BDG	5019555
Chloride	256		10	20	05/11/09 19:33	BDG	5019505
Sulfate	112		10	20	05/11/09 19:33	BDG	5019505
Nitrogen,Nitrate (As N)	ND		0.5	1	05/06/09 18:57	BDG	5012821
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	187		10	100	05/16/09 20:43	EG	5023375
Magnesium	52		2	20	05/17/09 17:24	EG	5024301
Potassium	2.66		1	1	05/17/09 17:20	EG	5024300
Sodium	76.9		2	20	05/17/09 17:24	EG	5024301

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/08/2009 12:30	AB1	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713)660-0901

Client Sample ID: MW-16 **Collected:** 05/05/2009 11:02 **SPL Sample ID:** 09050217-04

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C				**MCL**	**SW8270C**	**Units: ug/L**		
1-Methylnaphthalene	ND		5		1	05/11/09 21:31	S_G	5015963
2-Methylnaphthalene	ND		5		1	05/11/09 21:31	S_G	5015963
Acenaphthene	ND		5		1	05/11/09 21:31	S_G	5015963
Acenaphthylene	ND		5		1	05/11/09 21:31	S_G	5015963
Anthracene	ND		5		1	05/11/09 21:31	S_G	5015963
Benz(a)anthracene	ND		5		1	05/11/09 21:31	S_G	5015963
Benzo(a)pyrene	ND		5		1	05/11/09 21:31	S_G	5015963
Benzo(b)fluoranthene	ND		5		1	05/11/09 21:31	S_G	5015963
Benzo(g,h,i)perylene	ND		5		1	05/11/09 21:31	S_G	5015963
Benzo(k)fluoranthene	ND		5		1	05/11/09 21:31	S_G	5015963
Chrysene	ND		5		1	05/11/09 21:31	S_G	5015963
Dibenz(a,h)anthracene	ND		5		1	05/11/09 21:31	S_G	5015963
Dibenzofuran	ND		5		1	05/11/09 21:31	S_G	5015963
Fluoranthene	ND		5		1	05/11/09 21:31	S_G	5015963
Fluorene	ND		5		1	05/11/09 21:31	S_G	5015963
Indeno(1,2,3-cd)pyrene	ND		5		1	05/11/09 21:31	S_G	5015963
Naphthalene	ND		5		1	05/11/09 21:31	S_G	5015963
Phenanthrene	ND		5		1	05/11/09 21:31	S_G	5015963
Pyrene	ND		5		1	05/11/09 21:31	S_G	5015963
Surr:2-Fluorobiphenyl	59.2		% 23-116		1	05/11/09 21:31	S_G	5015963
Surr:Nitrobenzene-d5	52.4		% 21-114		1	05/11/09 21:31	S_G	5015963
Surr:Terphenyl-d14	42.4		% 22-141		1	05/11/09 21:31	S_G	5015963

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/07/2009 15:30	N_M	1.00

TOTAL DISSOLVED SOLIDS				**MCL**	**SM2540 C**	**Units: mg/L**		
Total Dissolved Solids (Residue,Filterable)	1450		10		1	05/06/09 17:30	CFS	5009796
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND		5		1	05/12/09 16:59	E_G	5017171
Ethylbenzene	ND		5		1	05/12/09 16:59	E_G	5017171
Toluene	ND		5		1	05/12/09 16:59	E_G	5017171
m,p-Xylene	ND		5		1	05/12/09 16:59	E_G	5017171
o-Xylene	ND		5		1	05/12/09 16:59	E_G	5017171
Xylenes,Total	ND		5		1	05/12/09 16:59	E_G	5017171
Surr:1,2-Dichloroethane-d4	105		% 78-116		1	05/12/09 16:59	E_G	5017171
Surr:4-Bromofluorobenzene	103		% 74-125		1	05/12/09 16:59	E_G	5017171
Surr:Toluene-d8	106		% 82-118		1	05/12/09 16:59	E_G	5017171

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713)660-0901

Client Sample ID: MW-11 **Collected:** 05/05/2009 12:33 **SPL Sample ID:** 09050217-05

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CACO3), TOTAL				**MCL**	**SM2320B**	**Units: mg/L**		
Alkalinity, Total (As CaCO3)	162		2		1	05/07/09 13:30	PAC	5010482
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**		
Alkalinity,Bicarbonate	162		2		1	05/07/09 13:30	PAC	5010524
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**		
Alkalinity,Carbonate	ND		2		1	05/07/09 13:30	PAC	5010542
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**		
Bromide	6.82		0.5		1	05/06/09 19:15	BDG	5019556
Chloride	1140		50		100	05/11/09 19:51	BDG	5019506
Sulfate	149		10		20	05/11/09 20:09	BDG	5019507
Nitrogen,Nitrate (As N)	ND		0.5		1	05/06/09 19:15	BDG	5012822
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**		
Calcium	528		10		100	05/16/09 20:55	EG	5023377
Magnesium	150		10		100	05/16/09 20:55	EG	5023377
Potassium	6		5		5	05/16/09 20:47	EG	5023376
Sodium	172		10		100	05/18/09 17:28	EG	5025524

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/08/2009 12:30	AB1	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713)660-0901

Client Sample ID: MW-11 **Collected:** 05/05/2009 12:33 **SPL Sample ID:** 09050217-05

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**	**Units: ug/L**		
1-Methylnaphthalene	ND		5	1	05/11/09 22:05	S_G	5015964
2-Methylnaphthalene	ND		5	1	05/11/09 22:05	S_G	5015964
Acenaphthene	ND		5	1	05/11/09 22:05	S_G	5015964
Acenaphthylene	ND		5	1	05/11/09 22:05	S_G	5015964
Anthracene	ND		5	1	05/11/09 22:05	S_G	5015964
Benz(a)anthracene	ND		5	1	05/11/09 22:05	S_G	5015964
Benzo(a)pyrene	ND		5	1	05/11/09 22:05	S_G	5015964
Benzo(b)fluoranthene	ND		5	1	05/11/09 22:05	S_G	5015964
Benzo(g,h,i)perylene	ND		5	1	05/11/09 22:05	S_G	5015964
Benzo(k)fluoranthene	ND		5	1	05/11/09 22:05	S_G	5015964
Chrysene	ND		5	1	05/11/09 22:05	S_G	5015964
Dibenz(a,h)anthracene	ND		5	1	05/11/09 22:05	S_G	5015964
Dibenzofuran	ND		5	1	05/11/09 22:05	S_G	5015964
Fluoranthene	ND		5	1	05/11/09 22:05	S_G	5015964
Fluorene	ND		5	1	05/11/09 22:05	S_G	5015964
Indeno(1,2,3-cd)pyrene	ND		5	1	05/11/09 22:05	S_G	5015964
Naphthalene	ND		5	1	05/11/09 22:05	S_G	5015964
Phenanthrene	ND		5	1	05/11/09 22:05	S_G	5015964
Pyrene	ND		5	1	05/11/09 22:05	S_G	5015964
Surr:2-Fluorobiphenyl	49.6		% 23-116	1	05/11/09 22:05	S_G	5015964
Surr:Nitrobenzene-d5	43.2		% 21-114	1	05/11/09 22:05	S_G	5015964
Surr:Terphenyl-d14	29.4		% 22-141	1	05/11/09 22:05	S_G	5015964

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/07/2009 15:30	N_M	1.00

TOTAL DISSOLVED SOLIDS			**MCL**	**SM2540 C**	**Units: mg/L**		
Total Dissolved Solids (Residue,Filterable)	3430		20	2	05/06/09 17:30	CFS	5009798
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	20		5	1	05/12/09 17:24	E_G	5017172
Ethylbenzene	ND		5	1	05/12/09 17:24	E_G	5017172
Toluene	ND		5	1	05/12/09 17:24	E_G	5017172
m,p-Xylene	ND		5	1	05/12/09 17:24	E_G	5017172
o-Xylene	ND		5	1	05/12/09 17:24	E_G	5017172
Xylenes,Total	ND		5	1	05/12/09 17:24	E_G	5017172
Surr:1,2-Dichloroethane-d4	105		% 78-116	1	05/12/09 17:24	E_G	5017172
Surr:4-Bromofluorobenzene	101		% 74-125	1	05/12/09 17:24	E_G	5017172
Surr:Toluene-d8	107		% 82-118	1	05/12/09 17:24	E_G	5017172

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
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J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713)660-0901

Client Sample ID: MW-14 **Collected:** 05/05/2009 13:20 **SPL Sample ID:** 09050217-06

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CACO3), TOTAL				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Total (As CaCO3)	230		2	1	05/07/09 13:30	PAC	5010483
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity,Bicarbonate	230		2	1	05/07/09 13:30	PAC	5010525
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity,Carbonate	ND		2	1	05/07/09 13:30	PAC	5010543
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	6.05		0.5	1	05/06/09 19:34	BDG	5019557
Chloride	576		50	100	05/11/09 20:27	BDG	5019508
Sulfate	774		50	100	05/11/09 20:27	BDG	5019508
Nitrogen,Nitrate (As N)	11.8		0.5	1	05/06/09 19:34	BDG	5012823
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	648		20	200	05/17/09 17:40	EG	5024305
Magnesium	176		10	100	05/16/09 21:07	EG	5023379
Potassium	5.74		5	5	05/16/09 20:59	EG	5023378
Sodium	51.3		2	20	05/17/09 17:36	EG	5024304

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/08/2009 12:30	AB1	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713)660-0901

Client Sample ID: MW-14 **Collected:** 05/05/2009 13:20 **SPL Sample ID:** 09050217-06

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**	**Units: ug/L**		
1-Methylnaphthalene	ND		5	1	05/11/09 22:39	S_G	5015965
2-Methylnaphthalene	ND		5	1	05/11/09 22:39	S_G	5015965
Acenaphthene	ND		5	1	05/11/09 22:39	S_G	5015965
Acenaphthylene	ND		5	1	05/11/09 22:39	S_G	5015965
Anthracene	ND		5	1	05/11/09 22:39	S_G	5015965
Benz(a)anthracene	ND		5	1	05/11/09 22:39	S_G	5015965
Benzo(a)pyrene	ND		5	1	05/11/09 22:39	S_G	5015965
Benzo(b)fluoranthene	ND		5	1	05/11/09 22:39	S_G	5015965
Benzo(g,h,i)perylene	ND		5	1	05/11/09 22:39	S_G	5015965
Benzo(k)fluoranthene	ND		5	1	05/11/09 22:39	S_G	5015965
Chrysene	ND		5	1	05/11/09 22:39	S_G	5015965
Dibenz(a,h)anthracene	ND		5	1	05/11/09 22:39	S_G	5015965
Dibenzofuran	ND		5	1	05/11/09 22:39	S_G	5015965
Fluoranthene	ND		5	1	05/11/09 22:39	S_G	5015965
Fluorene	ND		5	1	05/11/09 22:39	S_G	5015965
Indeno(1,2,3-cd)pyrene	ND		5	1	05/11/09 22:39	S_G	5015965
Naphthalene	ND		5	1	05/11/09 22:39	S_G	5015965
Phenanthrene	ND		5	1	05/11/09 22:39	S_G	5015965
Pyrene	ND		5	1	05/11/09 22:39	S_G	5015965
Surr:2-Fluorobiphenyl	68.4		% 23-116	1	05/11/09 22:39	S_G	5015965
Surr:Nitrobenzene-d5	59.4		% 21-114	1	05/11/09 22:39	S_G	5015965
Surr:Terphenyl-d14	52.0		% 22-141	1	05/11/09 22:39	S_G	5015965

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/07/2009 15:30	N_M	1.00

TOTAL DISSOLVED SOLIDS			**MCL**	**SM2540 C**	**Units: mg/L**		
Total Dissolved Solids (Residue,Filterable)	3740		20	2	05/06/09 17:30	CFS	5009799
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND		5	1	05/12/09 17:50	E_G	5017173
Ethylbenzene	ND		5	1	05/12/09 17:50	E_G	5017173
Toluene	ND		5	1	05/12/09 17:50	E_G	5017173
m,p-Xylene	ND		5	1	05/12/09 17:50	E_G	5017173
o-Xylene	ND		5	1	05/12/09 17:50	E_G	5017173
Xylenes,Total	ND		5	1	05/12/09 17:50	E_G	5017173
Surr:1,2-Dichloroethane-d4	105		% 78-116	1	05/12/09 17:50	E_G	5017173
Surr:4-Bromofluorobenzene	102		% 74-125	1	05/12/09 17:50	E_G	5017173
Surr:Toluene-d8	106		% 82-118	1	05/12/09 17:50	E_G	5017173

Qualifiers:

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B/V - Analyte detected in the associated Method Blank
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J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713)660-0901

Client Sample ID: MW-20 **Collected:** 05/05/2009 14:00 **SPL Sample ID:** 09050217-07

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CACO3), TOTAL				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Total (As CaCO3)	133		2	1	05/07/09 13:30	PAC	5010484
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity,Bicarbonate	133		2	1	05/07/09 13:30	PAC	5010526
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity,Carbonate	ND		2	1	05/07/09 13:30	PAC	5010544
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	ND		0.5	1	05/06/09 19:52	BDG	5019558
Chloride	4880		500	1000	05/11/09 21:22	BDG	5019511
Sulfate	485		100	200	05/11/09 21:40	BDG	5019512
Nitrogen,Nitrate (As N)	2.64		0.5	1	05/06/09 19:52	BDG	5012824
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	3220		100	1000	05/17/09 17:48	EG	5024307
Magnesium	617		20	200	05/17/09 17:44	EG	5024306
Potassium	27.8		10	10	05/16/09 21:24	EG	5023382
Sodium	1260		100	1000	05/17/09 17:48	EG	5024307

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/08/2009 12:30	AB1	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713)660-0901

Client Sample ID: MW-20 **Collected:** 05/05/2009 14:00 **SPL Sample ID:** 09050217-07

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**	**Units: ug/L**		
1-Methylnaphthalene	ND		5	1	05/11/09 23:13	S_G	5015966
2-Methylnaphthalene	ND		5	1	05/11/09 23:13	S_G	5015966
Acenaphthene	ND		5	1	05/11/09 23:13	S_G	5015966
Acenaphthylene	ND		5	1	05/11/09 23:13	S_G	5015966
Anthracene	ND		5	1	05/11/09 23:13	S_G	5015966
Benz(a)anthracene	ND		5	1	05/11/09 23:13	S_G	5015966
Benzo(a)pyrene	ND		5	1	05/11/09 23:13	S_G	5015966
Benzo(b)fluoranthene	ND		5	1	05/11/09 23:13	S_G	5015966
Benzo(g,h,i)perylene	ND		5	1	05/11/09 23:13	S_G	5015966
Benzo(k)fluoranthene	ND		5	1	05/11/09 23:13	S_G	5015966
Chrysene	ND		5	1	05/11/09 23:13	S_G	5015966
Dibenz(a,h)anthracene	ND		5	1	05/11/09 23:13	S_G	5015966
Dibenzofuran	ND		5	1	05/11/09 23:13	S_G	5015966
Fluoranthene	ND		5	1	05/11/09 23:13	S_G	5015966
Fluorene	ND		5	1	05/11/09 23:13	S_G	5015966
Indeno(1,2,3-cd)pyrene	ND		5	1	05/11/09 23:13	S_G	5015966
Naphthalene	ND		5	1	05/11/09 23:13	S_G	5015966
Phenanthrene	ND		5	1	05/11/09 23:13	S_G	5015966
Pyrene	ND		5	1	05/11/09 23:13	S_G	5015966
Surr:2-Fluorobiphenyl	54.2		% 23-116	1	05/11/09 23:13	S_G	5015966
Surr:Nitrobenzene-d5	47.4		% 21-114	1	05/11/09 23:13	S_G	5015966
Surr:Terphenyl-d14	39.4		% 22-141	1	05/11/09 23:13	S_G	5015966

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/07/2009 15:30	N_M	1.00

TOTAL DISSOLVED SOLIDS			**MCL**	**SM2540 C**	**Units: mg/L**		
Total Dissolved Solids (Residue,Filterable)	20800		200	20	05/06/09 17:30	CFS	5009801
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND		5	1	05/12/09 18:15	E_G	5017174
Ethylbenzene	ND		5	1	05/12/09 18:15	E_G	5017174
Toluene	ND		5	1	05/12/09 18:15	E_G	5017174
m,p-Xylene	ND		5	1	05/12/09 18:15	E_G	5017174
o-Xylene	ND		5	1	05/12/09 18:15	E_G	5017174
Xylenes,Total	ND		5	1	05/12/09 18:15	E_G	5017174
Surr:1,2-Dichloroethane-d4	104		% 78-116	1	05/12/09 18:15	E_G	5017174
Surr:4-Bromofluorobenzene	101		% 74-125	1	05/12/09 18:15	E_G	5017174
Surr:Toluene-d8	105		% 82-118	1	05/12/09 18:15	E_G	5017174

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713)660-0901

Client Sample ID: WW **Collected:** 05/05/2009 14:30 **SPL Sample ID:** 09050217-08

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CACO3), TOTAL				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Total (As CaCO3)	172		2	1	05/07/09 13:30	PAC	5010485
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity,Bicarbonate	172		2	1	05/07/09 13:30	PAC	5010527
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity,Carbonate	ND		2	1	05/07/09 13:30	PAC	5010545
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	ND		0.5	1	05/06/09 20:10	BDG	5019559
Chloride	387		50	100	05/11/09 21:59	BDG	5019513
Sulfate	106		50	100	05/11/09 21:59	BDG	5019513
Nitrogen,Nitrate (As N)	0.509		0.5	1	05/06/09 20:10	BDG	5012825
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	198		10	100	05/16/09 21:40	EG	5023384
Magnesium	64.1		2	20	05/18/09 17:32	EG	5025525
Potassium	5.12		5	5	05/16/09 21:32	EG	5023383
Sodium	149		10	100	05/18/09 17:36	EG	5025526

PrepMethod	Prep Date	Prep Initials	Prep Factor
SW3010A	05/08/2009 12:30	AB1	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713)660-0901

Client Sample ID: WW **Collected:** 05/05/2009 14:30 **SPL Sample ID:** 09050217-08

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**	**Units: ug/L**		
1-Methylnaphthalene	ND		5	1	05/11/09 23:46	S_G	5015967
2-Methylnaphthalene	ND		5	1	05/11/09 23:46	S_G	5015967
Acenaphthene	ND		5	1	05/11/09 23:46	S_G	5015967
Acenaphthylene	ND		5	1	05/11/09 23:46	S_G	5015967
Anthracene	ND		5	1	05/11/09 23:46	S_G	5015967
Benz(a)anthracene	ND		5	1	05/11/09 23:46	S_G	5015967
Benzo(a)pyrene	ND		5	1	05/11/09 23:46	S_G	5015967
Benzo(b)fluoranthene	ND		5	1	05/11/09 23:46	S_G	5015967
Benzo(g,h,i)perylene	ND		5	1	05/11/09 23:46	S_G	5015967
Benzo(k)fluoranthene	ND		5	1	05/11/09 23:46	S_G	5015967
Chrysene	ND		5	1	05/11/09 23:46	S_G	5015967
Dibenz(a,h)anthracene	ND		5	1	05/11/09 23:46	S_G	5015967
Dibenzofuran	ND		5	1	05/11/09 23:46	S_G	5015967
Fluoranthene	ND		5	1	05/11/09 23:46	S_G	5015967
Fluorene	ND		5	1	05/11/09 23:46	S_G	5015967
Indeno(1,2,3-cd)pyrene	ND		5	1	05/11/09 23:46	S_G	5015967
Naphthalene	ND		5	1	05/11/09 23:46	S_G	5015967
Phenanthrene	ND		5	1	05/11/09 23:46	S_G	5015967
Pyrene	ND		5	1	05/11/09 23:46	S_G	5015967
Surr:2-Fluorobiphenyl	63.8		% 23-116	1	05/11/09 23:46	S_G	5015967
Surr:Nitrobenzene-d5	54.8		% 21-114	1	05/11/09 23:46	S_G	5015967
Surr:Terphenyl-d14	62.4		% 22-141	1	05/11/09 23:46	S_G	5015967

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/07/2009 15:30	N_M	1.00

TOTAL DISSOLVED SOLIDS			**MCL**	**SM2540 C**	**Units: mg/L**		
Total Dissolved Solids (Residue,Filterable)	1530		10	1	05/06/09 17:30	CFS	5009800

VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND		5	1	05/12/09 18:40	E_G	5017175
Ethylbenzene	ND		5	1	05/12/09 18:40	E_G	5017175
Toluene	ND		5	1	05/12/09 18:40	E_G	5017175
m,p-Xylene	ND		5	1	05/12/09 18:40	E_G	5017175
o-Xylene	ND		5	1	05/12/09 18:40	E_G	5017175
Xylenes,Total	ND		5	1	05/12/09 18:40	E_G	5017175
Surr:1,2-Dichloroethane-d4	110		% 78-116	1	05/12/09 18:40	E_G	5017175
Surr:4-Bromofluorobenzene	107		% 74-125	1	05/12/09 18:40	E_G	5017175
Surr:Toluene-d8	105		% 82-118	1	05/12/09 18:40	E_G	5017175

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713)660-0901

Client Sample ID: EW-1 **Collected:** 05/05/2009 14:45 **SPL Sample ID:** 09050217-09

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CACO3), TOTAL				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Total (As CaCO3)	99		2	1	05/07/09 13:30	PAC	5010487
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity,Bicarbonate	99		2	1	05/07/09 13:30	PAC	5010529
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity,Carbonate	ND		2	1	05/07/09 13:30	PAC	5010547
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	ND		0.5	1	05/06/09 20:28	BDG	5019560
Chloride	30000		2500	5000	05/11/09 22:17	BDG	5019514
Sulfate	1110		500	1000	05/12/09 21:19	BDG	5019641
Nitrogen,Nitrate (As N)	ND		0.5	1	05/06/09 20:28	BDG	5012826
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	3680		100	1000	05/18/09 17:40	EG	5025527
Magnesium	1110		100	1000	05/18/09 17:40	EG	5025527
Potassium	58		20	20	05/17/09 18:05	EG	5024310
Sodium	21700		1000	10000	05/17/09 18:17	EG	5024311

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/08/2009 12:30	AB1	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713)660-0901

Client Sample ID: EW-1 **Collected:** 05/05/2009 14:45 **SPL Sample ID:** 09050217-09

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**	**Units: ug/L**		
1-Methylnaphthalene	ND		5	1	05/12/09 0:20	S_G	5015968
2-Methylnaphthalene	ND		5	1	05/12/09 0:20	S_G	5015968
Acenaphthene	ND		5	1	05/12/09 0:20	S_G	5015968
Acenaphthylene	ND		5	1	05/12/09 0:20	S_G	5015968
Anthracene	ND		5	1	05/12/09 0:20	S_G	5015968
Benz(a)anthracene	ND		5	1	05/12/09 0:20	S_G	5015968
Benzo(a)pyrene	ND		5	1	05/12/09 0:20	S_G	5015968
Benzo(b)fluoranthene	ND		5	1	05/12/09 0:20	S_G	5015968
Benzo(g,h,i)perylene	ND		5	1	05/12/09 0:20	S_G	5015968
Benzo(k)fluoranthene	ND		5	1	05/12/09 0:20	S_G	5015968
Chrysene	ND		5	1	05/12/09 0:20	S_G	5015968
Dibenz(a,h)anthracene	ND		5	1	05/12/09 0:20	S_G	5015968
Dibenzofuran	ND		5	1	05/12/09 0:20	S_G	5015968
Fluoranthene	ND		5	1	05/12/09 0:20	S_G	5015968
Fluorene	ND		5	1	05/12/09 0:20	S_G	5015968
Indeno(1,2,3-cd)pyrene	ND		5	1	05/12/09 0:20	S_G	5015968
Naphthalene	ND		5	1	05/12/09 0:20	S_G	5015968
Phenanthrene	ND		5	1	05/12/09 0:20	S_G	5015968
Pyrene	ND		5	1	05/12/09 0:20	S_G	5015968
Surr:2-Fluorobiphenyl	49.8		% 23-116	1	05/12/09 0:20	S_G	5015968
Surr:Nitrobenzene-d5	45.2		% 21-114	1	05/12/09 0:20	S_G	5015968
Surr:Terphenyl-d14	33.4		% 22-141	1	05/12/09 0:20	S_G	5015968

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/07/2009 15:30	N_M	1.00

TOTAL DISSOLVED SOLIDS			**MCL**	**SM2540 C**	**Units: mg/L**		
Total Dissolved Solids (Residue,Filterable)	60000		500	50	05/06/09 17:30	CFS	5009802
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND		5	1	05/12/09 19:05	E_G	5017176
Ethylbenzene	ND		5	1	05/12/09 19:05	E_G	5017176
Toluene	ND		5	1	05/12/09 19:05	E_G	5017176
m,p-Xylene	ND		5	1	05/12/09 19:05	E_G	5017176
o-Xylene	ND		5	1	05/12/09 19:05	E_G	5017176
Xylenes,Total	ND		5	1	05/12/09 19:05	E_G	5017176
Surr:1,2-Dichloroethane-d4	108		% 78-116	1	05/12/09 19:05	E_G	5017176
Surr:4-Bromofluorobenzene	100		% 74-125	1	05/12/09 19:05	E_G	5017176
Surr:Toluene-d8	108		% 82-118	1	05/12/09 19:05	E_G	5017176

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713)660-0901

Client Sample ID: Trip Blank **Collected:** 05/05/2009 0:00 **SPL Sample ID:** 09050217-10

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND		5	1	05/12/09 13:37	E_G	5017163
Ethylbenzene	ND		5	1	05/12/09 13:37	E_G	5017163
Toluene	ND		5	1	05/12/09 13:37	E_G	5017163
m,p-Xylene	ND		5	1	05/12/09 13:37	E_G	5017163
o-Xylene	ND		5	1	05/12/09 13:37	E_G	5017163
Xylenes,Total	ND		5	1	05/12/09 13:37	E_G	5017163
Surr:1,2-Dichloroethane-d4	106		% 78-116	1	05/12/09 13:37	E_G	5017163
Surr:4-Bromofluorobenzene	104		% 74-125	1	05/12/09 13:37	E_G	5017163
Surr:Toluene-d8	107		% 82-118	1	05/12/09 13:37	E_G	5017163

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713)660-0901

Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Metals by Method 6010B, Total
Method: SW6010B
WorkOrder: 09050217
Lab Batch ID: 90126

Method Blank

RunID: ICP2_090516A-5023358 Units: mg/L
Analysis Date: 05/16/2009 19:12 Analyst: EG
Preparation Date: 05/08/2009 12:30 Prep By: AB1 Method: SW3010A

Analyte	Result	Rep Limit
Calcium	ND	0.1
Magnesium	ND	0.1
Potassium	ND	1

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050217-01E	MW-19
09050217-03E	MW-13
09050217-04E	MW-16
09050217-05E	MW-11
09050217-06E	MW-14
09050217-07E	MW-20
09050217-08E	WW

Laboratory Control Sample (LCS)

RunID: ICP2_090516A-5023359 Units: mg/L
Analysis Date: 05/16/2009 19:16 Analyst: EG
Preparation Date: 05/08/2009 12:30 Prep By: AB1 Method: SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Calcium	1.000	1.057	105.7	80	120
Magnesium	1.000	1.116	111.6	80	120
Potassium	10.00	10.58	105.8	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09050196-01
RunID: ICP2_090516A-5023361 Units: mg/L
Analysis Date: 05/16/2009 19:24 Analyst: EG
Preparation Date: 05/08/2009 12:30 Prep By: AB1 Method: SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Calcium	183.5	1	181.3	N/C	1	182.2	N/C	N/C	20	75	125
Magnesium	22.29	1	23.59	N/C	1	22.67	N/C	N/C	20	75	125
Potassium	ND	10	60.50	N/C	10	61.32	N/C	N/C	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - *Too numerous to count*

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713)660-0901

Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Metals by Method 6010B, Total
Method: SW6010B
WorkOrder: 09050217
Lab Batch ID: 90126b

Method Blank

RunID: ICP2_090517A-5024280 Units: mg/L
Analysis Date: 05/17/2009 14:55 Analyst: EG

Analyte	Result	Rep Limit
Calcium	ND	0.1
Magnesium	ND	0.1
Potassium	ND	1
Sodium	ND	0.1

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050217-01E	MW-19
09050217-02E	MW-15
09050217-03E	MW-13
09050217-04E	MW-16
09050217-05E	MW-11
09050217-06E	MW-14
09050217-07E	MW-20
09050217-08E	WW
09050217-09E	EW-1

Laboratory Control Sample (LCS)

RunID: ICP2_090517A-5024282 Units: mg/L
Analysis Date: 05/17/2009 14:59 Analyst: EG
Preparation Date: 05/08/2009 12:30 Prep By: AB1 Method: SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Calcium	1.000	1.034	103.4	80	120
Magnesium	1.000	1.037	103.7	80	120
Potassium	10.00	10.37	103.7	80	120
Sodium	1.000	1.033	103.3	80	120

Post Digestion Spike (PDS) / Post Digestion Spike Duplicate (PDSD)

Sample Spiked: 09050196-01
RunID: ICP2_090517A-5024288 Units: mg/L
Analysis Date: 05/17/2009 15:20 Analyst: EG

Analyte	Sample Result	PDS Spike Added	PDS Result	PDS % Recovery	PDSD Spike Added	PDSD Result	PDSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Potassium	ND	1000	1070	103.3	1000	1065	102.8	0.4684	20	75	125

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713)660-0901

Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Metals by Method 6010B, Total **WorkOrder:** 09050217
Method: SW6010B **Lab Batch ID:** 90126b

SampleSpiked: 09050196-01
RunID: ICP2_090517A-5024285 Units: mg/L
AnalysisDate: 05/17/2009 15:08 Analyst: EG
PreparationDate: 05/08/2009 12:30 Prep By: AB1 Method: SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Calcium	178.4	1	191.4	N/C	1	179.7	N/C	N/C	20	75	125
Magnesium	20.25	1	23.67	N/C	1	23.21	N/C	N/C	20	75	125
Potassium	ND	10	49.68	127.6 *	10	46.35	94.30	6.935	20	75	125
Sodium	229.6	1	243.4	N/C	1	229.3	N/C	N/C	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713)660-0901

Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Semivolatiles Organics by Method 8270C
Method: SW8270C
WorkOrder: 09050217
Lab Batch ID: 90082

Method Blank

RunID: J_090512B-5017282 Units: ug/L
Analysis Date: 05/12/2009 13:00 Analyst: S_G
Preparation Date: 05/07/2009 15:30 Prep By: N_M Method: SW3510C

Analyte	Result	Rep Limit
1-Methylnaphthalene	ND	5.0
2-Methylnaphthalene	ND	5.0
Acenaphthene	ND	5.0
Acenaphthylene	ND	5.0
Anthracene	ND	5.0
Benz(a)anthracene	ND	5.0
Benzo(a)pyrene	ND	5.0
Benzo(b)fluoranthene	ND	5.0
Benzo(g,h,i)perylene	ND	5.0
Benzo(k)fluoranthene	ND	5.0
Chrysene	ND	5.0
Dibenz(a,h)anthracene	ND	5.0
Dibenzofuran	ND	5.0
Fluoranthene	ND	5.0
Fluorene	ND	5.0
Indeno(1,2,3-cd)pyrene	ND	5.0
Naphthalene	ND	5.0
Phenanthrene	ND	5.0
Pyrene	ND	5.0
Surr: 2-Fluorobiphenyl	67.0	23-116
Surr: Nitrobenzene-d5	58.0	21-114
Surr: Terphenyl-d14	73.8	22-141

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050217-01C	MW-19
09050217-02C	MW-15
09050217-03C	MW-13
09050217-04C	MW-16
09050217-05C	MW-11
09050217-06C	MW-14
09050217-07C	MW-20
09050217-08C	WW
09050217-09C	EW-1

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: J_090512B-5017279 Units: ug/L
Analysis Date: 05/12/2009 11:52 Analyst: S_G
Preparation Date: 05/07/2009 15:30 Prep By: N_M Method: SW3510C

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
1-Methylnaphthalene	50.0	21.9	43.8	50.0	22.6	45.2	3.1	50	30	120
2-Methylnaphthalene	50.0	24.2	48.4	50.0	24.4	48.8	0.8	50	20	170
Acenaphthene	50.0	24.4	48.8	50.0	24.6	49.2	0.8	31	30	150
Acenaphthylene	50.0	24.4	48.8	50.0	24.5	49.0	0.4	50	33	250
Anthracene	50.0	22.4	44.8	50.0	22.7	45.4	1.3	50	27	133
Benz(a)anthracene	50.0	23.5	47.0	50.0	23.6	47.2	0.4	50	33	143
Benzo(a)pyrene	50.0	25.1	50.2	50.0	25.8	51.6	2.8	50	17	163
Benzo(b)fluoranthene	50.0	24.7	49.4	50.0	25.7	51.4	4.0	50	24	159

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Semivolatiles Organics by Method 8270C **WorkOrder:** 09050217
Method: SW8270C **Lab Batch ID:** 90082

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: J_090512B-5017279 Units: ug/L
Analysis Date: 05/12/2009 11:52 Analyst: S_G
Preparation Date: 05/07/2009 15:30 Prep By: N_M Method: SW3510C

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Benzo(g,h,i)perylene	50.0	26.2	52.4	50.0	27.2	54.4	3.7	50	30	160
Benzo(k)fluoranthene	50.0	24.9	49.8	50.0	26.0	52.0	4.3	50	11	162
Chrysene	50.0	25.3	50.6	50.0	25.7	51.4	1.6	50	17	168
Dibenz(a,h)anthracene	50.0	25.5	51.0	50.0	26.3	52.6	3.1	50	30	160
Dibenzofuran	50.0	23.5	47.0	50.0	24.0	48.0	2.1	50	30	150
Fluoranthene	50.0	23.1	46.2	50.0	23.5	47.0	1.7	50	26	137
Fluorene	50.0	24.9	49.8	50.0	25.2	50.4	1.2	50	30	150
Indeno(1,2,3-cd)pyrene	50.0	23.4	46.8	50.0	23.5	47.0	0.4	50	30	160
Naphthalene	50.0	23.9	47.8	50.0	24.5	49.0	2.5	50	21	133
Phenanthrene	50.0	25.5	51.0	50.0	26.2	52.4	2.7	50	10	140
Pyrene	50.0	25.9	51.8	50.0	26.3	52.6	1.5	38	30	150
Surr:2-Fluorobiphenyl	50.0	28.1	56.2	50.0	28.6	57.2	1.8	30	23	116
Surr:Nitrobenzene-d5	50.0	25.2	50.4	50.0	25.5	51.0	1.2	30	21	114
Surr:Terphenyl-d14	50.0	27.5	55.0	50.0	28.1	56.2	2.2	30	22	141

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Volatile Organics by Method 8260B
Method: SW8260B
WorkOrder: 09050217
Lab Batch ID: R272425

Method Blank

RunID: L_090511B-5015664 Units: ug/L
Analysis Date: 05/11/2009 11:21 Analyst: E_G
Preparation Date: 05/11/2009 11:21 Prep By: Method:

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050217-01D	MW-19
09050217-02D	MW-15

Analyte	Result	Rep Limit
Benzene	ND	5.0
Ethylbenzene	ND	5.0
Toluene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
Xylenes,Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	106.6	78-116
Surr: 4-Bromofluorobenzene	104.9	74-125
Surr: Toluene-d8	107.0	82-118

Laboratory Control Sample (LCS)

RunID: L_090511B-5015663 Units: ug/L
Analysis Date: 05/11/2009 10:39 Analyst: E_G
Preparation Date: 05/11/2009 10:39 Prep By: Method:

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	17.9	89.3	74	123
Ethylbenzene	20.0	15.9	79.5	72	127
Toluene	20.0	17.4	87.1	74	126
m,p-Xylene	40.0	32.6	81.4	71	129
o-Xylene	20.0	16.6	83.1	74	130
Xylenes,Total	60.0	49.2	82.0	71	130
Surr:1,2-Dichloroethane-d4	50.0	52	104	78	116
Surr:4-Bromofluorobenzene	50.0	52.3	105	74	125
Surr:Toluene-d8	50.0	53.3	107	82	118

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09050378-01
RunID: L_090511B-5015668 Units: ug/L
Analysis Date: 05/11/2009 13:52 Analyst: E_G

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Volatile Organics by Method 8260B
Method: SW8260B
WorkOrder: 09050217
Lab Batch ID: R272425

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	20.1	101	20	20.1	101	0.119	22	70	124
Ethylbenzene	ND	20	17.3	86.5	20	17.4	87.2	0.743	20	76	122
Toluene	ND	20	19.4	97.1	20	19.5	97.4	0.344	24	80	117
m,p-Xylene	ND	40	35.5	88.9	40	35.1	87.8	1.16	20	69	127
o-Xylene	ND	20	18.4	92.1	20	18.3	91.5	0.703	20	84	114
Xylenes,Total	ND	60	53.9	90.0	60	53.4	89.0	1.01	20	69	127
Surr:1,2-Dichloroethane-d4	ND	50	51.8	104	50	51.7	103	0.0715	30	78	116
Surr:4-Bromofluorobenzene	ND	50	52.6	105	50	52.3	105	0.520	30	74	125
Surr:Toluene-d8	ND	50	54.1	108	50	54.0	108	0.222	30	82	118

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Volatile Organics by Method 8260B
Method: SW8260B
WorkOrder: 09050217
Lab Batch ID: R272524

Method Blank

RunID: L_090512A-5017162 Units: ug/L
Analysis Date: 05/12/2009 13:12 Analyst: E_G
Preparation Date: 05/12/2009 13:12 Prep By: Method:

Analyte	Result	Rep Limit
Benzene	ND	5.0
Ethylbenzene	ND	5.0
Toluene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
Xylenes,Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	107.6	78-116
Surr: 4-Bromofluorobenzene	105.5	74-125
Surr: Toluene-d8	108.0	82-118

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050217-03D	MW-13
09050217-04D	MW-16
09050217-05D	MW-11
09050217-06D	MW-14
09050217-07D	MW-20
09050217-08D	WW
09050217-09D	EW-1
09050217-10A	Trip Blank

Laboratory Control Sample (LCS)

RunID: L_090512A-5017161 Units: ug/L
Analysis Date: 05/12/2009 12:32 Analyst: E_G
Preparation Date: 05/12/2009 12:32 Prep By: Method:

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	19.2	96.0	74	123
Ethylbenzene	20.0	17.0	84.9	72	127
Toluene	20.0	18.4	92.2	74	126
m,p-Xylene	40.0	34.9	87.1	71	129
o-Xylene	20.0	17.9	89.7	74	130
Xylenes,Total	60.0	52.8	88.0	71	130
Surr:1,2-Dichloroethane-d4	50.0	52.9	106	78	116
Surr:4-Bromofluorobenzene	50.0	53	106	74	125
Surr:Toluene-d8	50.0	53.3	107	82	118

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09050283-01
RunID: L_090512A-5017166 Units: ug/L
Analysis Date: 05/12/2009 14:53 Analyst: E_G

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 09050217
Method: SW8260B **Lab Batch ID:** R272524

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	19.0	95.2	20	19.3	96.7	1.55	22	70	124
Ethylbenzene	ND	20	16.5	82.5	20	16.4	81.8	0.864	20	76	122
Toluene	ND	20	18.3	91.6	20	18.4	92.0	0.409	24	80	117
m,p-Xylene	ND	40	33.7	84.3	40	33.8	84.6	0.284	20	69	127
o-Xylene	ND	20	17.6	87.8	20	17.7	88.4	0.704	20	84	114
Xylenes,Total	ND	60	51.3	85.5	60	51.5	85.8	0.428	20	69	127
Surr:1,2-Dichloroethane-d4	ND	50	51.9	104	50	52.5	105	1.26	30	78	116
Surr:4-Bromofluorobenzene	ND	50	52	104	50	52.1	104	0.123	30	74	125
Surr:Toluene-d8	ND	50	52.9	106	50	52.6	105	0.599	30	82	118

Qualifiers:

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B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Total Dissolved Solids
Method: SM2540 C

WorkOrder: 09050217
Lab Batch ID: R272047

Method Blank

RunID: WET_090506ZI-5009789 Units: mg/L
Analysis Date: 05/06/2009 17:30 Analyst: CFS

Analyte	Result	Rep Limit
Total Dissolved Solids (Residue,Filterable)	ND	10

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050217-01A	MW-19
09050217-02A	MW-15
09050217-03A	MW-13
09050217-04A	MW-16
09050217-05A	MW-11
09050217-06A	MW-14
09050217-07A	MW-20
09050217-08A	WW
09050217-09A	EW-1

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: WET_090506ZI-5009791 Units: mg/L
Analysis Date: 05/06/2009 17:30 Analyst: CFS

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Total Dissolved Solids (Residue,Filterabl	200.0	202.0	101.0	200.0	199.0	99.50	1.5	10	95	107

Sample Duplicate

Original Sample: 09050217-04
RunID: WET_090506ZI-5009796 Units: mg/L
Analysis Date: 05/06/2009 17:30 Analyst: CFS

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Total Dissolved Solids (Residue,Filterabl	1450	1450	0.207	10

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Alkalinity (as CaCO3), Total
Method: SM2320B
WorkOrder: 09050217
Lab Batch ID: R272098

Method Blank

RunID: WET_090507P-5010473 Units: mg/L
Analysis Date: 05/07/2009 13:30 Analyst: PAC

Analyte	Result	Rep Limit
Alkalinity, Total (As CaCO3)	ND	2.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050217-01A	MW-19
09050217-02A	MW-15
09050217-03A	MW-13
09050217-04A	MW-16
09050217-05A	MW-11
09050217-06A	MW-14
09050217-07A	MW-20
09050217-08A	WW
09050217-09A	EW-1

Laboratory Control Sample (LCS)

RunID: WET_090507P-5010475 Units: mg/L
Analysis Date: 05/07/2009 13:30 Analyst: PAC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Alkalinity, Total (As CaCO3)	38.70	37.00	95.61	90	110

Sample Duplicate

Original Sample: 09050278-01
RunID: WET_090507P-5010476 Units: mg/L
Analysis Date: 05/07/2009 13:30 Analyst: PAC

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Alkalinity, Total (As CaCO3)	589	589	0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Alkalinity, Bicarbonate
Method: SM2320B
WorkOrder: 09050217
Lab Batch ID: R272100

Method Blank

RunID: WET_090507R-5010515 Units: mg/L
Analysis Date: 05/07/2009 13:30 Analyst: PAC

Analyte	Result	Rep Limit
Alkalinity, Bicarbonate	ND	2.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050217-01A	MW-19
09050217-02A	MW-15
09050217-03A	MW-13
09050217-04A	MW-16
09050217-05A	MW-11
09050217-06A	MW-14
09050217-07A	MW-20
09050217-08A	WW
09050217-09A	EW-1

Laboratory Control Sample (LCS)

RunID: WET_090507R-5010517 Units: mg/L
Analysis Date: 05/07/2009 13:30 Analyst: PAC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Alkalinity,Bicarbonate	38.70	37.00	95.61	90	110

Sample Duplicate

Original Sample: 09050278-01
RunID: WET_090507R-5010518 Units: mg/L
Analysis Date: 05/07/2009 13:30 Analyst: PAC

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Alkalinity,Bicarbonate	589	589	0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Alkalinity, Carbonate
Method: SM2320B
WorkOrder: 09050217
Lab Batch ID: R272101

Method Blank

RunID: WET_090507S-5010533 Units: mg/L
Analysis Date: 05/07/2009 13:30 Analyst: PAC

Analyte	Result	Rep Limit
Alkalinity, Carbonate	ND	2.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050217-01A	MW-19
09050217-02A	MW-15
09050217-03A	MW-13
09050217-04A	MW-16
09050217-05A	MW-11
09050217-06A	MW-14
09050217-07A	MW-20
09050217-08A	WW
09050217-09A	EW-1

Laboratory Control Sample (LCS)

RunID: WET_090507S-5010535 Units: mg/L
Analysis Date: 05/07/2009 13:30 Analyst: PAC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Alkalinity,Carbonate	38.70	37.00	95.61	90	110

Sample Duplicate

Original Sample: 09050278-01
RunID: WET_090507S-5010536 Units: mg/L
Analysis Date: 05/07/2009 13:30 Analyst: PAC

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Alkalinity,Carbonate	ND	ND	0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713)660-0901

Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Ion Chromatography
Method: E300.0

WorkOrder: 09050217
Lab Batch ID: R272255

Method Blank

RunID: IC2_090506B-5012814 Units: mg/L
Analysis Date: 05/06/2009 16:17 Analyst: BDG

Analyte	Result	Rep Limit
Nitrogen,Nitrate (As N)	ND	0.50

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050217-01B	MW-19
09050217-02B	MW-15
09050217-03B	MW-13
09050217-04B	MW-16
09050217-05B	MW-11
09050217-06B	MW-14
09050217-07B	MW-20
09050217-08B	WW
09050217-09B	EW-1

Laboratory Control Sample (LCS)

RunID: IC2_090506B-5012815 Units: mg/L
Analysis Date: 05/06/2009 16:35 Analyst: BDG

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Nitrogen,Nitrate (As N)	10.00	9.917	99.17	90	110

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09050217-08
RunID: IC2_090506B-5012829 Units: mg/L
Analysis Date: 05/06/2009 21:41 Analyst: BDG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Nitrogen,Nitrate (As N)	0.5090	10	9.955	94.46	10	8.940	84.31	10.74	20	80	120

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713)660-0901

Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Ion Chromatography
Method: E300.0
WorkOrder: 09050217
Lab Batch ID: R272662

Method Blank

RunID: IC2_090511B-5019494 Units: mg/L
Analysis Date: 05/11/2009 13:17 Analyst: BDG

Analyte	Result	Rep Limit
Chloride	ND	0.50
Sulfate	ND	0.50

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050217-01B	MW-19
09050217-02B	MW-15
09050217-03B	MW-13
09050217-04B	MW-16
09050217-05B	MW-11
09050217-06B	MW-14
09050217-07B	MW-20
09050217-08B	WW
09050217-09B	EW-1

Laboratory Control Sample (LCS)

RunID: IC2_090511B-5019495 Units: mg/L
Analysis Date: 05/11/2009 13:36 Analyst: BDG

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	10.00	10.00	100.0	85	115
Sulfate	10.00	10.97	109.7	85	115

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09050217-02
RunID: IC2_090511B-5019502 Units: mg/L
Analysis Date: 05/11/2009 18:38 Analyst: BDG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	93.38	10	179.2	N/C	10	191.8	N/C	N/C	20	80	120
Sulfate	58.75	10	140.5	N/C	10	152.2	N/C	N/C	20	80	120

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

6/11/2009 12:49:18 PM

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713)660-0901

Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Ion Chromatography **WorkOrder:** 09050217
Method: E300.0 **Lab Batch ID:** R272666

Method Blank

RunID: IC2_090506C-5019548 Units: mg/L
Analysis Date: 05/06/2009 16:17 Analyst: BDG

Analyte	Result	Rep Limit
Bromide	ND	0.50

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050217-01B	MW-19
09050217-02B	MW-15
09050217-03B	MW-13
09050217-04B	MW-16
09050217-05B	MW-11
09050217-06B	MW-14
09050217-07B	MW-20
09050217-08B	WW
09050217-09B	EW-1

Laboratory Control Sample (LCS)

RunID: IC2_090506C-5019549 Units: mg/L
Analysis Date: 05/06/2009 16:35 Analyst: BDG

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Bromide	10.00	10.02	100.2	85	115

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09050217-08
RunID: IC2_090506C-5019564 Units: mg/L
Analysis Date: 05/06/2009 21:41 Analyst: BDG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Bromide	ND	10	12.96	129.6 *	10	11.69	116.9	10.31	20	80	120

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713)660-0901

Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Ion Chromatography
Method: E300.0
WorkOrder: 09050217
Lab Batch ID: R272670A

Method Blank

RunID: IC2_090512A-5019634 Units: mg/L
Analysis Date: 05/12/2009 19:11 Analyst: BDG

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050217-09B	EW-1

Analyte	Result	Rep Limit
Sulfate	ND	0.50

Laboratory Control Sample (LCS)

RunID: IC2_090512A-5019635 Units: mg/L
Analysis Date: 05/12/2009 19:29 Analyst: BDG

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Sulfate	10.00	9.169	91.69	85	115

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09050487-01
RunID: IC2_090512A-5019639 Units: mg/L
Analysis Date: 05/12/2009 20:42 Analyst: BDG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Sulfate	ND	10	9.018	90.18	10	9.376	93.76	3.893	20	80	120

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713)660-0901

Sample Receipt Checklist

Workorder:	09050217	Received By:	RE
Date and Time Received:	5/6/2009 9:30:00 AM	Carrier name:	Fedex-Standard Overnight
Temperature:	3.0°C	Chilled by:	Water Ice

1.	Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2.	Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Present ☐
3.	Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4.	Chain of custody present?	Yes ☑	No ☐	
5.	Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
6.	Chain of custody agrees with sample labels?	Yes ☑	No ☐	
7.	Samples in proper container/bottle?	Yes ☑	No ☐	
8.	Sample containers intact?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test?	Yes ☑	No ☐	
10.	All samples received within holding time?	Yes ☑	No ☐	
11.	Container/Temp Blank temperature in compliance? 868792011440-3.0,868792011403-3.5,868792011462-4.0,868792011451-3.0	Yes ☑	No ☐	
12.	Water - VOA vials have zero headspace?	Yes ☑	No ☐	VOA Vials Not Present ☐
13.	Water - Preservation checked upon receipt (except VOA*)?	Yes ☑	No ☐	NotApplicable ☐

*VOA Preservation Checked After Sample Analysis

SPL Representative: _____ Contact Date & Time: _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

Chain of Custody Record

Client: Tetra Tech/ Conoco Phillips — **SPL Workorder Number:** 0905021 7

Attention: Greg Pope

Phone:432-686-8081 | email:gwpope57@aol.com

Address: 1703 W Industrial Avenue

City: Midland | State: TX | Zip Code: 79701

Project Name: COP Maljamar

P.O. Number:

Sampled By: signature / print

Sample ID	Collected Date	Collected Time	Sample Type Comp	Sample Type Grab	Matrix Water	Matrix Soil	Bottle Type	Preservative Type	# of Containers	Requested Analysis: Metals-6010 (12)	TDS-2540C	IC-Br,Cl,NO2,SO4-300	Bicarb/Carb/Alk-310	8260-BTEX	8270-PAH
MW-19	5/5/09	0845		X	X		3	1	2		X	X	X		
MW-19		0845		X	X		4	1	2						X
MW-19		0845		X	X		1	3	1					X	
MW-19		0845		X	X			2	1	X					
MW-15		0950		X	X		3	1	2		X	X	X		
MW-15		0950		X	X		4	1	2						X
MW-15		0950		X	X		1	3	1					X	
MW-15		0950		X	X			2	1	X					
~~MW-17~~		~~0915~~		X	X		3	1	2		X	X	X		
~~MW-17~~		0915		X	X		4	1	2						X

Turnaround Time Requirements
24 hr( ) 48 hr( )
72 hr( ) 5 wday( )
10 wday - Standard(X)

Remarks: Metals-6010: Ca,Mg,K,Na

Intact? Y or N
Temperature: 3.0c

Bottle Types: 1: 3/40ml Vials 2. 1L Glass 3. 1L Plastic 4. 1L Amber Glass 5. 8oz Plastic
Preservative Types: 1: NONE 2. HNO3 3. HCL 4. H2SO4

	Date	Time	
Relinquished by Sampler: Johnny Tidsworth	5/5/09	1530	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	5/6/09	0930	Received by SPL, Inc

Page 1 of

DISH

Chain of Custody Record

Client: Tetra Tech/ Conoco Phillips | **SPL Workorder Number:** 0905021?

Attention: Greg Pope

Phone:432-686-8081 | email:gwpope57@aol.com

Address: 1703 W Industrial Avenue

City: Midland | State: TX | Zip Code: 79701

Project Name: COP Maljamar

P.O. Number:

Sampled By: signature / print

Sample ID	Collected Date	Collected Time	Sample Type Comp	Sample Type Grab	Matrix Water	Matrix Soil	Bottle Type	Preservative Type	# of Containers	Requested Analysis: Metals-6010	TDS-2540C	IC-Br,Cl,NO2,SO4-300	Alkalinity/Carb/Alk-310	8260-BTEX	8270-PAH
~~MW-17~~	~~5/5/09~~	~~0915~~		X	X		1	3	1					X	
~~MW-17~~		~~0915~~		X	X			2	1	X					
MW-13		1020		X	X		3	1	2		X	X	X		
MW-13		1020		X	X		4	1	2						X
MW-13		1020		X	X		1	3	1					X	
MW-13		1020		X	X			2	1	X					
MW-16		1102		X	X		3	1	2		X	X	X		
MW-16		1102		X	X		4	1	2						X
MW-16		1102		X	X		1	3	1					X	
MW-16		1102		X	X			2	1	X					

Turnaround Time Requirements
24 hr( ) 48 hr( )
72 hr( ) 5 wday( )
10 wday - Standard(X)

Remarks: Metals-6010: Ca,Mg,K,Na

Intact? Y or N
Temperature: 3.0c

Bottle Types: 1: 3/40ml Vials 2. 1L Glass 3. 1L Plastic 4. 1L Amber Glass 5. 8oz Plastic
Preservative Types: 1: NONE 2. HNO3 3. HCL 4. H2SO4

Relinquished by Sampler:	Date	Time	Received by:
Johnny Tidsworth	5/5/09	1530	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by SPL, Inc.
	5/6/09	0930	

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 316773

090502 17

page 3 of ___

Client Name: Tetra Tech / Conoco Phillips

Address: 1910 N. Big Spring St Midland TX 79701

Phone/Fax: (432) 682-4559

Client Contact: Greg Pope Email: greg.pope@tetratech.com

Project Name/No.: COP Maljamar Gas Plant

Site Name:

Site Location: NM

Invoice To: Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil O=oil SL=sludge X=other)	bottle (P=plastic A=amber glass G=glass V=vial X=other)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other)	pres. (1=HCl 2=HNO3 3=H2SO4 X=other)	Number of Containers	Requested Analysis: Metals 6010	TDS - 2540 C	IC - Br, Cl, NO2, SO4 - 300	Bk arb/Carb/Alk - 310	8260 - BTEX	8270 PAH			
MW-11	5/5/09	1233		X	W	P	1	X	2		X	X	X					
MW-11		1233				A	1	X	2						X			
MW-11		1233				P	16	2	1	X								
MW-11		1233				V	40	1	3					X				
MW-14		1320				P	1	X	2		X	X	X					
MW-14		1320				A	1	X	2						X			
MW-14		1320				P	16	2	1	X JT				X JT				
MW-14		1320				V	40	1	3	X				X				
MW-20		1400				P	1	X	2		X	X	X					
MW-20		1400				A	1	X	2						X			

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☐ Y ☐ N

Ice? ☐ Y ☐ N

Temp:

Requested TAT

Contract ☐ 72hr ☐

24hr ☐ Standard ☒

48hr ☐

Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐

Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial):

1. Relinquished by Sampler: Johnny Tipsworth	date 5/5/09	time 1530	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date	time	6. Received by Laboratory:

☐ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No.: 09050217 | 316775 | page 4 of 5

Client Name: Tetra Tech / Conoco Phillips
Address: 1910 N Big Spring St, Midland TX 79701
Phone/Fax: (432) 682-4559
Client Contact: Greg Pope Email:
Project Name/No.: COP / Maljamar Gas Plant
Site Name:
Site Location: Maljamar, NM
Invoice To: Ph:

matrix: W=water S=soil O=oil SL=sludge X=other
bottle: P=plastic A=amber glass G=glass V=vial X=other
size: 1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other
pres.: 1=HCl 2=HNO3 3=H2SO4 X=other

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	Metals - 6010	TDS - 2540 C	IC - Br, Cl, NO2, SO4 (300.0)	Bicarb/Carb/Alk - 310	8260 - BTEX	8270 - PAH			
MW-20	5/5/05	1400		X	W	P	1L	2	1	X								
MW-20	↓	1400		X	↓	V	40	1	3					X				
WW	↓	1430		↓	↓													
WW	↓	1430		↓	↓													
WW	↓	1430		↓	↓													
WW	↓	1430		↓	↓													
EW-1	↓	1445		↓	↓													
EW-1	↓	1445		↓	↓													
EW-1	↓	1445		↓	↓													
EW-1	↓	1445		↓	↓													

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp:

Requested TAT
Contract ☐ 72hr ☐
24hr ☐ Standard ☒
48hr ☐
Other ☐ ______

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial):

	date	time	
1. Relinquished by Sampler: Johnny Titsworth	5/5/05	1530	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date	time	6. Received by Laboratory:

☐ 8880 Interchange Drive Houston, TX 77054 (713) 660-0901
☐ 500 Ambassador Caffery Parkway Scott, LA 70583 (337) 237-4775
☐ 459 Hughes Drive Traverse City MI 49686 (231) 947-5777

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 316795

090502 17

page 5 of 5

Client Name: Tetra Tech / Conoco Phillips

Address: 1910 N. Big Spring St, Midland TX 79701

Phone/Fax: (432) 682-4559

Client Contact: Greg Pope Email: gwpope57@aol.com

Project Name/No.: COP / Maljamar Gas Plant

Site Name:

Site Location: Maljamar, NM

Invoice To: Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil O=oil SL=sludge X=other)	bottle (P=plastic A=amber glass G=glass V=vial X=other)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other)	pres. (1=HCl 2=HNO3 3=H2SO4 X=other)	Number of Containers	Requested Analysis: Metals - 6010	TDS - 2540 C	12 - Br, Cl, NO2, SO4 - (300.0)	Bk arb/Carb/Alk - 310	8260 - BTEX	8270 PAH			
Trip Blank	5/5/09	1530		X	W	✓	40	1	3					X				

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☐ Y ☐ N

Ice? ☐ Y ☐ N

Temp:

Requested TAT

Contract ☐ 72hr ☐

24hr ☐ Standard ☒

48hr ☐

Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐

Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial):

	date	time	
1. Relinquished by Sampler: Johnny Tirsworth	5/5/09	1530	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date	time	6. Received by Laboratory:

☐ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Conoco Phillips

Certificate of Analysis Number:

09050283

Report To:		Project Name:	COP Maljamar Gas Plant
Tetra Tech		Site:	Maljamar, NM
Greg Pope		Site Address:	
1910 N. Big Spring St			
Midland		PO Number:	4509825328
TX		State:	New Mexico
79705-		State Cert. No.:	
ph: (432) 682-4559	fax:	Date Reported:	5/21/2009

This Report Contains A Total Of 58 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

5/21/2009

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Case Narrative for:

Conoco Phillips

Certificate of Analysis Number:

09050283

Report To:		Project Name:	COP Maljamar Gas Plant
Tetra Tech		Site:	Maljamar, NM
Greg Pope		Site Address:	
1910 N. Big Spring St			
Midland		PO Number:	4509825328
TX		State:	New Mexico
79705-		State Cert. No.:	
ph: (432) 682-4559	fax:	Date Reported:	5/21/2009

Per the Conoco Phillips TSM Revision 0, a copy of the internal chain of custody is to be included in final data package. However, due to LIMS limitations, this cannot be provided at this time.

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Due to limited sample volume, a Matrix Spike (MS) or Matrix Spike Duplicate (MSD) was not extracted with Batch ID:90101 for the Semivolatile Organics analysis by SW846 Method 8270C. A Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) were extracted with the analytical batch and serve as the batch quality control (QC). The LCS and LCSD recovered acceptably and precision criteria were met.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

Erica Cardenas
Project Manager

5/21/2009
Date

Test results meet all requirements of NELAC, unless specified in the narrative.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Conoco Phillips

Certificate of Analysis Number:

09050283

Report To: Tetra Tech
Greg Pope
1910 N. Big Spring St

Midland
TX
79705-
ph: (432) 682-4559 fax: (432) 686-8085

Fax To:

Project Name: COP Maljamar Gas Plant
Site: Maljamar, NM
Site Address:

PO Number: 4509825328
State: New Mexico
State Cert. No.:
Date Reported: 5/21/2009

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-18	09050283-01	Water	5/6/2009 9:56:00 AM	5/7/2009 9:30:00 AM	316776	☐
MW-10	09050283-02	Water	5/6/2009 10:28:00 AM	5/7/2009 9:30:00 AM	316776	☐
MW-12	09050283-03	Water	5/6/2009 11:00:00 AM	5/7/2009 9:30:00 AM	316776	☐
MW-4	09050283-04	Water	5/6/2009 11:45:00 AM	5/7/2009 9:30:00 AM	316777	☐
MW-2	09050283-05	Water	5/6/2009 12:37:00 PM	5/7/2009 9:30:00 AM	316777	☐
MW-5	09050283-06	Water	5/6/2009 1:45:00 PM	5/7/2009 9:30:00 AM	316778	☐
MW-7	09050283-07	Water	5/6/2009 2:55:00 PM	5/7/2009 9:30:00 AM	316778	☐
MW-6	09050283-08	Water	5/6/2009 3:15:00 PM	5/7/2009 9:30:00 AM	316778	☐
Dup #1	09050283-09	Water	5/6/2009	5/7/2009 9:30:00 AM	316779	☐
Dup #2	09050283-10	Water	5/6/2009	5/7/2009 9:30:00 AM	316779	☐
Trip Blank	09050283-11	Water	5/6/2009 3:45:00 PM	5/7/2009 9:30:00 AM	316780	☐
MW-17	09050283-12	Water	5/5/2009 9:15:00 AM	5/7/2009 9:30:00 AM	316780	☐

Erica Cardenas
Project Manager

5/21/2009
Date

Kesavalu M. Bagawandoss
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-18 **Collected:** 05/06/2009 9:56 **SPL Sample ID:** 09050283-01

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CACO3), TOTAL				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Total (As CaCO3)	118		2	1	05/11/09 12:00	PAC	5014654
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Bicarbonate	118		2	1	05/11/09 12:00	PAC	5014672
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Carbonate	ND		2	1	05/11/09 12:00	PAC	5014690
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	ND		0.5	1	05/07/09 16:07	BDG	5019729
Chloride	11700		500	1000	05/12/09 22:14	BDG	5019644
Sulfate	557		50	100	05/12/09 22:32	BDG	5019645
Nitrogen,Nitrate (As N)	3.44		0.5	1	05/07/09 16:07	BDG	5011070
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	2540		100	1000	05/19/09 21:24	EG	5029056
Magnesium	734		20	200	05/19/09 21:20	EG	5029055
Potassium	21.3		10	10	05/19/09 21:16	EG	5029054
Sodium	4010		100	1000	05/19/09 21:24	EG	5029056

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/08/2009 17:00	AB1	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-18 **Collected:** 05/06/2009 9:56 **SPL Sample ID:** 09050283-01

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**	**Units: ug/L**		
1-Methylnaphthalene	ND		5	1	05/12/09 20:30	S_G	5017302
2-Methylnaphthalene	ND		5	1	05/12/09 20:30	S_G	5017302
Acenaphthene	ND		5	1	05/12/09 20:30	S_G	5017302
Acenaphthylene	ND		5	1	05/12/09 20:30	S_G	5017302
Anthracene	ND		5	1	05/12/09 20:30	S_G	5017302
Benz(a)anthracene	ND		5	1	05/12/09 20:30	S_G	5017302
Benzo(a)pyrene	ND		5	1	05/12/09 20:30	S_G	5017302
Benzo(b)fluoranthene	ND		5	1	05/12/09 20:30	S_G	5017302
Benzo(g,h,i)perylene	ND		5	1	05/12/09 20:30	S_G	5017302
Benzo(k)fluoranthene	ND		5	1	05/12/09 20:30	S_G	5017302
Chrysene	ND		5	1	05/12/09 20:30	S_G	5017302
Dibenz(a,h)anthracene	ND		5	1	05/12/09 20:30	S_G	5017302
Dibenzofuran	ND		5	1	05/12/09 20:30	S_G	5017302
Fluoranthene	ND		5	1	05/12/09 20:30	S_G	5017302
Fluorene	ND		5	1	05/12/09 20:30	S_G	5017302
Indeno(1,2,3-cd)pyrene	ND		5	1	05/12/09 20:30	S_G	5017302
Naphthalene	ND		5	1	05/12/09 20:30	S_G	5017302
Phenanthrene	ND		5	1	05/12/09 20:30	S_G	5017302
Pyrene	ND		5	1	05/12/09 20:30	S_G	5017302
Surr: 2-Fluorobiphenyl	51.2		% 23-116	1	05/12/09 20:30	S_G	5017302
Surr: Nitrobenzene-d5	47.2		% 21-114	1	05/12/09 20:30	S_G	5017302
Surr: Terphenyl-d14	24.6		% 22-141	1	05/12/09 20:30	S_G	5017302

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/08/2009 11:48	N_M	1.00

TOTAL DISSOLVED SOLIDS			**MCL**	**SM2540 C**	**Units: mg/L**		
Total Dissolved Solids (Residue,Filterable)	22300		200	20	05/11/09 11:30	CFS	5015797
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND		5	1	05/12/09 14:28	E_G	5017165
Ethylbenzene	ND		5	1	05/12/09 14:28	E_G	5017165
Toluene	ND		5	1	05/12/09 14:28	E_G	5017165
m,p-Xylene	ND		5	1	05/12/09 14:28	E_G	5017165
o-Xylene	ND		5	1	05/12/09 14:28	E_G	5017165
Xylenes,Total	ND		5	1	05/12/09 14:28	E_G	5017165
Surr: 1,2-Dichloroethane-d4	105		% 78-116	1	05/12/09 14:28	E_G	5017165
Surr: 4-Bromofluorobenzene	104		% 74-125	1	05/12/09 14:28	E_G	5017165
Surr: Toluene-d8	108		% 82-118	1	05/12/09 14:28	E_G	5017165

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
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MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-10 **Collected:** 05/06/2009 10:28 **SPL Sample ID:** 09050283-02

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CACO3), TOTAL				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Total (As CaCO3)	169		2	1	05/11/09 12:00	PAC	5014655
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Bicarbonate	169		2	1	05/11/09 12:00	PAC	5014673
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Carbonate	ND		2	1	05/11/09 12:00	PAC	5014691
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	ND		0.5	1	05/07/09 16:25	BDG	5019730
Chloride	2520		250	500	05/12/09 22:50	BDG	5019646
Sulfate	370		50	100	05/12/09 23:08	BDG	5019647
Nitrogen,Nitrate (As N)	3.04		0.5	1	05/07/09 16:25	BDG	5011071
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	825		20	200	05/19/09 21:36	EG	5029059
Magnesium	188		10	100	05/19/09 21:32	EG	5029058
Potassium	7.66		5	5	05/19/09 21:28	EG	5029057
Sodium	820		20	200	05/19/09 21:36	EG	5029059

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/08/2009 17:00	AB1	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-10 **Collected:** 05/06/2009 10:28 **SPL Sample ID:** 09050283-02

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C				**MCL**	**SW8270C**	**Units: ug/L**		
1-Methylnaphthalene	ND			5	1	05/12/09 21:04	S_G	5017303
2-Methylnaphthalene	ND			5	1	05/12/09 21:04	S_G	5017303
Acenaphthene	ND			5	1	05/12/09 21:04	S_G	5017303
Acenaphthylene	ND			5	1	05/12/09 21:04	S_G	5017303
Anthracene	ND			5	1	05/12/09 21:04	S_G	5017303
Benz(a)anthracene	ND			5	1	05/12/09 21:04	S_G	5017303
Benzo(a)pyrene	ND			5	1	05/12/09 21:04	S_G	5017303
Benzo(b)fluoranthene	ND			5	1	05/12/09 21:04	S_G	5017303
Benzo(g,h,i)perylene	ND			5	1	05/12/09 21:04	S_G	5017303
Benzo(k)fluoranthene	ND			5	1	05/12/09 21:04	S_G	5017303
Chrysene	ND			5	1	05/12/09 21:04	S_G	5017303
Dibenz(a,h)anthracene	ND			5	1	05/12/09 21:04	S_G	5017303
Dibenzofuran	ND			5	1	05/12/09 21:04	S_G	5017303
Fluoranthene	ND			5	1	05/12/09 21:04	S_G	5017303
Fluorene	ND			5	1	05/12/09 21:04	S_G	5017303
Indeno(1,2,3-cd)pyrene	ND			5	1	05/12/09 21:04	S_G	5017303
Naphthalene	ND			5	1	05/12/09 21:04	S_G	5017303
Phenanthrene	ND			5	1	05/12/09 21:04	S_G	5017303
Pyrene	ND			5	1	05/12/09 21:04	S_G	5017303
Surr: 2-Fluorobiphenyl	60.2		%	23-116	1	05/12/09 21:04	S_G	5017303
Surr: Nitrobenzene-d5	54.8		%	21-114	1	05/12/09 21:04	S_G	5017303
Surr: Terphenyl-d14	23.6		%	22-141	1	05/12/09 21:04	S_G	5017303

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/08/2009 11:48	N_M	1.00

TOTAL DISSOLVED SOLIDS				**MCL**	**SM2540 C**	**Units: mg/L**		
Total Dissolved Solids (Residue,Filterable)	6860			40	4	05/11/09 11:30	CFS	5015799
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND			5	1	05/12/09 19:31	E_G	5017177
Ethylbenzene	ND			5	1	05/12/09 19:31	E_G	5017177
Toluene	ND			5	1	05/12/09 19:31	E_G	5017177
m,p-Xylene	ND			5	1	05/12/09 19:31	E_G	5017177
o-Xylene	ND			5	1	05/12/09 19:31	E_G	5017177
Xylenes,Total	ND			5	1	05/12/09 19:31	E_G	5017177
Surr: 1,2-Dichloroethane-d4	104		%	78-116	1	05/12/09 19:31	E_G	5017177
Surr: 4-Bromofluorobenzene	101		%	74-125	1	05/12/09 19:31	E_G	5017177
Surr: Toluene-d8	106		%	82-118	1	05/12/09 19:31	E_G	5017177

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
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J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
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MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-12 **Collected:** 05/06/2009 11:00 **SPL Sample ID:** 09050283-03

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CACO3), TOTAL				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Total (As CaCO3)	101		2	1	05/11/09 12:00	PAC	5014656
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Bicarbonate	101		2	1	05/11/09 12:00	PAC	5014674
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Carbonate	ND		2	1	05/11/09 12:00	PAC	5014692
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	ND		0.5	1	05/07/09 16:43	BDG	5019731
Chloride	35300		2500	5000	05/15/09 11:33	BDG	5022189
Sulfate	1140		250	500	05/13/09 0:21	BDG	5019650
Nitrogen,Nitrate (As N)	1.79		0.5	1	05/07/09 16:43	BDG	5011072
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	3720		100	1000	05/19/09 21:48	EG	5029062
Magnesium	844		20	200	05/19/09 21:44	EG	5029061
Potassium	59.3		20	20	05/19/09 21:40	EG	5029060
Sodium	21200		1000	10000	05/19/09 21:52	EG	5029063

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/08/2009 17:00	AB1	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-12 **Collected:** 05/06/2009 11:00 **SPL Sample ID:** 09050283-03

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C				**MCL**	**SW8270C**	**Units: ug/L**		
1-Methylnaphthalene	ND			5	1	05/12/09 21:39	S_G	5017306
2-Methylnaphthalene	ND			5	1	05/12/09 21:39	S_G	5017306
Acenaphthene	ND			5	1	05/12/09 21:39	S_G	5017306
Acenaphthylene	ND			5	1	05/12/09 21:39	S_G	5017306
Anthracene	ND			5	1	05/12/09 21:39	S_G	5017306
Benz(a)anthracene	ND			5	1	05/12/09 21:39	S_G	5017306
Benzo(a)pyrene	ND			5	1	05/12/09 21:39	S_G	5017306
Benzo(b)fluoranthene	ND			5	1	05/12/09 21:39	S_G	5017306
Benzo(g,h,i)perylene	ND			5	1	05/12/09 21:39	S_G	5017306
Benzo(k)fluoranthene	ND			5	1	05/12/09 21:39	S_G	5017306
Chrysene	ND			5	1	05/12/09 21:39	S_G	5017306
Dibenz(a,h)anthracene	ND			5	1	05/12/09 21:39	S_G	5017306
Dibenzofuran	ND			5	1	05/12/09 21:39	S_G	5017306
Fluoranthene	ND			5	1	05/12/09 21:39	S_G	5017306
Fluorene	ND			5	1	05/12/09 21:39	S_G	5017306
Indeno(1,2,3-cd)pyrene	ND			5	1	05/12/09 21:39	S_G	5017306
Naphthalene	ND			5	1	05/12/09 21:39	S_G	5017306
Phenanthrene	ND			5	1	05/12/09 21:39	S_G	5017306
Pyrene	ND			5	1	05/12/09 21:39	S_G	5017306
Surr: 2-Fluorobiphenyl	56.2		%	23-116	1	05/12/09 21:39	S_G	5017306
Surr: Nitrobenzene-d5	52.0		%	21-114	1	05/12/09 21:39	S_G	5017306
Surr: Terphenyl-d14	19.8MI	*	%	22-141	1	05/12/09 21:39	S_G	5017306

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/08/2009 11:48	N_M	1.00

TOTAL DISSOLVED SOLIDS				**MCL**	**SM2540 C**	**Units: mg/L**		
Total Dissolved Solids (Residue,Filterable)	71200			500	50	05/11/09 11:30	CFS	5015802
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND			5	1	05/12/09 19:56	E_G	5017178
Ethylbenzene	ND			5	1	05/12/09 19:56	E_G	5017178
Toluene	ND			5	1	05/12/09 19:56	E_G	5017178
m,p-Xylene	ND			5	1	05/12/09 19:56	E_G	5017178
o-Xylene	ND			5	1	05/12/09 19:56	E_G	5017178
Xylenes,Total	ND			5	1	05/12/09 19:56	E_G	5017178
Surr: 1,2-Dichloroethane-d4	108		%	78-116	1	05/12/09 19:56	E_G	5017178
Surr: 4-Bromofluorobenzene	99.1		%	74-125	1	05/12/09 19:56	E_G	5017178
Surr: Toluene-d8	107		%	82-118	1	05/12/09 19:56	E_G	5017178

Qualifiers:

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TNTC - Too numerous to count
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MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-4 **Collected:** 05/06/2009 11:45 **SPL Sample ID:** 09050283-04

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CACO3), TOTAL			**MCL**	**SM2320B**	**Units: mg/L**		
Alkalinity, Total (As CaCO3)	355		2	1	05/11/09 12:00	PAC	5014657
ALKALINITY, BICARBONATE			**MCL**	**SM2320B**	**Units: mg/L**		
Alkalinity, Bicarbonate	355		2	1	05/11/09 12:00	PAC	5014675
ALKALINITY, CARBONATE			**MCL**	**SM2320B**	**Units: mg/L**		
Alkalinity, Carbonate	ND		2	1	05/11/09 12:00	PAC	5014693
ION CHROMATOGRAPHY			**MCL**	**E300.0**	**Units: mg/L**		
Bromide	ND		0.5	1	05/07/09 17:01	BDG	5019732
Chloride	409		50	100	05/13/09 0:40	BDG	5019651
Sulfate	0.778		0.5	1	05/07/09 17:01	BDG	5019732
Nitrogen,Nitrate (As N)	ND		0.5	1	05/07/09 17:01	BDG	5011073
METALS BY METHOD 6010B, TOTAL			**MCL**	**SW6010B**	**Units: mg/L**		
Calcium	170		10	100	05/18/09 18:57	EG	5029833
Magnesium	49.4		2	20	05/18/09 19:38	EG	5029841
Potassium	7.38		5	5	05/19/09 20:43	EG	5029046
Sodium	82.8		2	20	05/18/09 19:38	EG	5029841

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/08/2009 17:00	AB1	1.00

Qualifiers:

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B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-4 **Collected:** 05/06/2009 11:45 **SPL Sample ID:** 09050283-04

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C				**MCL**	**SW8270C**	**Units: ug/L**		
1-Methylnaphthalene	8.8			5	1	05/13/09 12:28	S_G	5019830
2-Methylnaphthalene	6.7			5	1	05/13/09 12:28	S_G	5019830
Acenaphthene	ND			5	1	05/13/09 12:28	S_G	5019830
Acenaphthylene	ND			5	1	05/13/09 12:28	S_G	5019830
Anthracene	ND			5	1	05/13/09 12:28	S_G	5019830
Benz(a)anthracene	ND			5	1	05/13/09 12:28	S_G	5019830
Benzo(a)pyrene	ND			5	1	05/13/09 12:28	S_G	5019830
Benzo(b)fluoranthene	ND			5	1	05/13/09 12:28	S_G	5019830
Benzo(g,h,i)perylene	ND			5	1	05/13/09 12:28	S_G	5019830
Benzo(k)fluoranthene	ND			5	1	05/13/09 12:28	S_G	5019830
Chrysene	ND			5	1	05/13/09 12:28	S_G	5019830
Dibenz(a,h)anthracene	ND			5	1	05/13/09 12:28	S_G	5019830
Dibenzofuran	ND			5	1	05/13/09 12:28	S_G	5019830
Fluoranthene	ND			5	1	05/13/09 12:28	S_G	5019830
Fluorene	ND			5	1	05/13/09 12:28	S_G	5019830
Indeno(1,2,3-cd)pyrene	ND			5	1	05/13/09 12:28	S_G	5019830
Naphthalene	ND			5	1	05/13/09 12:28	S_G	5019830
Phenanthrene	ND			5	1	05/13/09 12:28	S_G	5019830
Pyrene	ND			5	1	05/13/09 12:28	S_G	5019830
Surr: 2-Fluorobiphenyl	38.2		%	23-116	1	05/13/09 12:28	S_G	5019830
Surr: Nitrobenzene-d5	33.6		%	21-114	1	05/13/09 12:28	S_G	5019830
Surr: Terphenyl-d14	17.5MI	*	%	22-141	1	05/13/09 12:28	S_G	5019830

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/08/2009 11:48	N_M	1.00

TOTAL DISSOLVED SOLIDS				**MCL**	**SM2540 C**	**Units: mg/L**		
Total Dissolved Solids (Residue,Filterable)	2150			20	2	05/11/09 11:30	CFS	5015803
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	150			5	1	05/12/09 20:21	E_G	5017179
Ethylbenzene	43			5	1	05/12/09 20:21	E_G	5017179
Toluene	ND			5	1	05/12/09 20:21	E_G	5017179
m,p-Xylene	39			5	1	05/12/09 20:21	E_G	5017179
o-Xylene	ND			5	1	05/12/09 20:21	E_G	5017179
Xylenes,Total	39			5	1	05/12/09 20:21	E_G	5017179
Surr: 1,2-Dichloroethane-d4	102		%	78-116	1	05/12/09 20:21	E_G	5017179
Surr: 4-Bromofluorobenzene	103		%	74-125	1	05/12/09 20:21	E_G	5017179
Surr: Toluene-d8	105		%	82-118	1	05/12/09 20:21	E_G	5017179

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-2 **Collected:** 05/06/2009 12:37 **SPL Sample ID:** 09050283-05

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CACO3), TOTAL				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Total (As CaCO3)	121		2	1	05/11/09 12:00	PAC	5014658
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Bicarbonate	121		2	1	05/11/09 12:00	PAC	5014676
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Carbonate	ND		2	1	05/11/09 12:00	PAC	5014694
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	ND		0.5	1	05/07/09 17:20	BDG	5019733
Chloride	733		50	100	05/13/09 0:58	BDG	5019652
Sulfate	3.48		0.5	1	05/07/09 17:20	BDG	5019733
Nitrogen,Nitrate (As N)	0.769		0.5	1	05/07/09 17:20	BDG	5011074
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	344		10	100	05/19/09 22:16	EG	5029069
Magnesium	73.9		2	20	05/19/09 22:12	EG	5029068
Potassium	3.88		1	1	05/19/09 22:04	EG	5029066
Sodium	77.7		2	20	05/19/09 22:12	EG	5029068

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/08/2009 17:00	AB1	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-2 **Collected:** 05/06/2009 12:37 **SPL Sample ID:** 09050283-05

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C				**MCL**	**SW8270C**	**Units: ug/L**		
1-Methylnaphthalene	6.1			5	1	05/13/09 13:02	S_G	5019831
2-Methylnaphthalene	6			5	1	05/13/09 13:02	S_G	5019831
Acenaphthene	ND			5	1	05/13/09 13:02	S_G	5019831
Acenaphthylene	ND			5	1	05/13/09 13:02	S_G	5019831
Anthracene	ND			5	1	05/13/09 13:02	S_G	5019831
Benz(a)anthracene	ND			5	1	05/13/09 13:02	S_G	5019831
Benzo(a)pyrene	ND			5	1	05/13/09 13:02	S_G	5019831
Benzo(b)fluoranthene	ND			5	1	05/13/09 13:02	S_G	5019831
Benzo(g,h,i)perylene	ND			5	1	05/13/09 13:02	S_G	5019831
Benzo(k)fluoranthene	ND			5	1	05/13/09 13:02	S_G	5019831
Chrysene	ND			5	1	05/13/09 13:02	S_G	5019831
Dibenz(a,h)anthracene	ND			5	1	05/13/09 13:02	S_G	5019831
Dibenzofuran	ND			5	1	05/13/09 13:02	S_G	5019831
Fluoranthene	ND			5	1	05/13/09 13:02	S_G	5019831
Fluorene	ND			5	1	05/13/09 13:02	S_G	5019831
Indeno(1,2,3-cd)pyrene	ND			5	1	05/13/09 13:02	S_G	5019831
Naphthalene	6.7			5	1	05/13/09 13:02	S_G	5019831
Phenanthrene	ND			5	1	05/13/09 13:02	S_G	5019831
Pyrene	ND			5	1	05/13/09 13:02	S_G	5019831
Surr: 2-Fluorobiphenyl	54.0		%	23-116	1	05/13/09 13:02	S_G	5019831
Surr: Nitrobenzene-d5	53.2		%	21-114	1	05/13/09 13:02	S_G	5019831
Surr: Terphenyl-d14	20.8MI	*	%	22-141	1	05/13/09 13:02	S_G	5019831

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/08/2009 11:48	N_M	1.00

TOTAL DISSOLVED SOLIDS				**MCL**	**SM2540 C**	**Units: mg/L**		
Total Dissolved Solids (Residue,Filterable)	2970			20	2	05/11/09 11:30	CFS	5015805

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-2 **Collected:** 05/06/2009 12:37 **SPL Sample ID:** 09050283-05

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	48000			1200	250	05/14/09 14:38	E_G	5021107
Ethylbenzene	600 J			1200	250	05/14/09 14:38	E_G	5021107
Toluene	12000			1200	250	05/14/09 14:38	E_G	5021107
m,p-Xylene	270			5	1	05/13/09 14:20	E_G	5019234
o-Xylene	210 J			1200	250	05/14/09 14:38	E_G	5021107
Xylenes,Total	480 J			1200	250	05/14/09 14:38	E_G	5021107
Surr: 1,2-Dichloroethane-d4	105		%	78-116	250	05/14/09 14:38	E_G	5021107
Surr: 1,2-Dichloroethane-d4	105		%	78-116	1	05/13/09 14:20	E_G	5019234
Surr: 4-Bromofluorobenzene	106		%	74-125	250	05/14/09 14:38	E_G	5021107
Surr: 4-Bromofluorobenzene	126 MI	*	%	74-125	1	05/13/09 14:20	E_G	5019234
Surr: Toluene-d8	109		%	82-118	250	05/14/09 14:38	E_G	5021107
Surr: Toluene-d8	119 MI	*	%	82-118	1	05/13/09 14:20	E_G	5019234

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-5 **Collected:** 05/06/2009 13:45 **SPL Sample ID:** 09050283-06

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CACO3), TOTAL				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Total (As CaCO3)	504		2	1	05/11/09 12:00	PAC	5014659
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Bicarbonate	504		2	1	05/11/09 12:00	PAC	5014677
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Carbonate	ND		2	1	05/11/09 12:00	PAC	5014695
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	ND		0.5	1	05/07/09 17:38	BDG	5019734
Chloride	336		50	100	05/13/09 1:16	BDG	5019653
Sulfate	7.27		0.5	1	05/07/09 17:38	BDG	5019734
Nitrogen,Nitrate (As N)	ND		0.5	1	05/07/09 17:38	BDG	5011076
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	211		10	100	05/19/09 22:28	EG	5029072
Magnesium	34		1	10	05/19/09 22:24	EG	5029071
Potassium	3.19		1	1	05/19/09 22:20	EG	5029070
Sodium	191		10	100	05/19/09 22:28	EG	5029072

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/08/2009 17:00	AB1	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-5 **Collected:** 05/06/2009 13:45 **SPL Sample ID:** 09050283-06

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C				**MCL**	**SW8270C**	**Units: ug/L**		
1-Methylnaphthalene	8			5	1	05/14/09 17:55	S_G	5021728
2-Methylnaphthalene	7.1			5	1	05/14/09 17:55	S_G	5021728
Acenaphthene	ND			5	1	05/14/09 17:55	S_G	5021728
Acenaphthylene	ND			5	1	05/14/09 17:55	S_G	5021728
Anthracene	ND			5	1	05/14/09 17:55	S_G	5021728
Benz(a)anthracene	ND			5	1	05/14/09 17:55	S_G	5021728
Benzo(a)pyrene	ND			5	1	05/14/09 17:55	S_G	5021728
Benzo(b)fluoranthene	ND			5	1	05/14/09 17:55	S_G	5021728
Benzo(g,h,i)perylene	ND			5	1	05/14/09 17:55	S_G	5021728
Benzo(k)fluoranthene	ND			5	1	05/14/09 17:55	S_G	5021728
Chrysene	ND			5	1	05/14/09 17:55	S_G	5021728
Dibenz(a,h)anthracene	ND			5	1	05/14/09 17:55	S_G	5021728
Dibenzofuran	ND			5	1	05/14/09 17:55	S_G	5021728
Fluoranthene	ND			5	1	05/14/09 17:55	S_G	5021728
Fluorene	ND			5	1	05/14/09 17:55	S_G	5021728
Indeno(1,2,3-cd)pyrene	ND			5	1	05/14/09 17:55	S_G	5021728
Naphthalene	ND			5	1	05/14/09 17:55	S_G	5021728
Phenanthrene	ND			5	1	05/14/09 17:55	S_G	5021728
Pyrene	ND			5	1	05/14/09 17:55	S_G	5021728
Surr: 2-Fluorobiphenyl	42.6		%	23-116	1	05/14/09 17:55	S_G	5021728
Surr: Nitrobenzene-d5	42.6		%	21-114	1	05/14/09 17:55	S_G	5021728
Surr: Terphenyl-d14	23.6		%	22-141	1	05/14/09 17:55	S_G	5021728

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/08/2009 11:48	N_M	1.00

TOTAL DISSOLVED SOLIDS				**MCL**	**SM2540 C**	**Units: mg/L**		
Total Dissolved Solids (Residue,Filterable)	1360			10	1	05/11/09 11:30	CFS	5015806
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	32			5	1	05/14/09 14:13	E_G	5021106
Ethylbenzene	45			5	1	05/14/09 14:13	E_G	5021106
Toluene	17			5	1	05/14/09 14:13	E_G	5021106
m,p-Xylene	29			5	1	05/14/09 14:13	E_G	5021106
o-Xylene	ND			5	1	05/14/09 14:13	E_G	5021106
Xylenes,Total	29			5	1	05/14/09 14:13	E_G	5021106
Surr: 1,2-Dichloroethane-d4	103		%	78-116	1	05/14/09 14:13	E_G	5021106
Surr: 4-Bromofluorobenzene	111		%	74-125	1	05/14/09 14:13	E_G	5021106
Surr: Toluene-d8	112		%	82-118	1	05/14/09 14:13	E_G	5021106

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
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J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-7 **Collected:** 05/06/2009 14:55 **SPL Sample ID:** 09050283-07

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CACO3), TOTAL				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Total (As CaCO3)	209		2	1	05/11/09 12:00	PAC	5014660
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Bicarbonate	209		2	1	05/11/09 12:00	PAC	5014678
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Carbonate	ND		2	1	05/11/09 12:00	PAC	5014696
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	ND		0.5	1	05/07/09 17:56	BDG	5019735
Chloride	915		50	100	05/13/09 1:34	BDG	5019654
Sulfate	0.511		0.5	1	05/07/09 17:56	BDG	5019735
Nitrogen,Nitrate (As N)	ND		0.5	1	05/07/09 17:56	BDG	5011077
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	394		10	100	05/19/09 22:41	EG	5029075
Magnesium	108		10	100	05/19/09 22:41	EG	5029075
Potassium	4		1	1	05/19/09 22:32	EG	5029073
Sodium	84		2	20	05/19/09 22:36	EG	5029074

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/08/2009 17:00	AB1	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-7 **Collected:** 05/06/2009 14:55 **SPL Sample ID:** 09050283-07

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C				**MCL**	**SW8270C**	**Units: ug/L**		
1-Methylnaphthalene	ND			5	1	05/13/09 18:24	S_G	5019833
2-Methylnaphthalene	ND			5	1	05/13/09 18:24	S_G	5019833
Acenaphthene	ND			5	1	05/13/09 18:24	S_G	5019833
Acenaphthylene	ND			5	1	05/13/09 18:24	S_G	5019833
Anthracene	ND			5	1	05/13/09 18:24	S_G	5019833
Benz(a)anthracene	ND			5	1	05/13/09 18:24	S_G	5019833
Benzo(a)pyrene	ND			5	1	05/13/09 18:24	S_G	5019833
Benzo(b)fluoranthene	ND			5	1	05/13/09 18:24	S_G	5019833
Benzo(g,h,i)perylene	ND			5	1	05/13/09 18:24	S_G	5019833
Benzo(k)fluoranthene	ND			5	1	05/13/09 18:24	S_G	5019833
Chrysene	ND			5	1	05/13/09 18:24	S_G	5019833
Dibenz(a,h)anthracene	ND			5	1	05/13/09 18:24	S_G	5019833
Dibenzofuran	ND			5	1	05/13/09 18:24	S_G	5019833
Fluoranthene	ND			5	1	05/13/09 18:24	S_G	5019833
Fluorene	ND			5	1	05/13/09 18:24	S_G	5019833
Indeno(1,2,3-cd)pyrene	ND			5	1	05/13/09 18:24	S_G	5019833
Naphthalene	5.3			5	1	05/13/09 18:24	S_G	5019833
Phenanthrene	ND			5	1	05/13/09 18:24	S_G	5019833
Pyrene	ND			5	1	05/13/09 18:24	S_G	5019833
Surr: 2-Fluorobiphenyl	39.4		%	23-116	1	05/13/09 18:24	S_G	5019833
Surr: Nitrobenzene-d5	36.8		%	21-114	1	05/13/09 18:24	S_G	5019833
Surr: Terphenyl-d14	15.9MI	*	%	22-141	1	05/13/09 18:24	S_G	5019833

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/08/2009 11:48	N_M	1.00

TOTAL DISSOLVED SOLIDS				**MCL**	**SM2540 C**	**Units: mg/L**		
Total Dissolved Solids (Residue,Filterable)	3190			20	2	05/11/09 11:30	CFS	5015808
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	21000			1000	200	05/14/09 15:03	E_G	5021108
Ethylbenzene	740 J			1000	200	05/14/09 15:03	E_G	5021108
Toluene	2600			1000	200	05/14/09 15:03	E_G	5021108
m,p-Xylene	640 J			1000	200	05/14/09 15:03	E_G	5021108
o-Xylene	240 J			1000	200	05/14/09 15:03	E_G	5021108
Xylenes,Total	880 J			1000	200	05/14/09 15:03	E_G	5021108
Surr: 1,2-Dichloroethane-d4	105		%	78-116	200	05/14/09 15:03	E_G	5021108
Surr: 4-Bromofluorobenzene	107		%	74-125	200	05/14/09 15:03	E_G	5021108
Surr: Toluene-d8	110		%	82-118	200	05/14/09 15:03	E_G	5021108

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-6 **Collected:** 05/06/2009 15:15 **SPL Sample ID:** 09050283-08

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CACO3), TOTAL			**MCL**	**SM2320B**	**Units: mg/L**		
Alkalinity, Total (As CaCO3)	241		2	1	05/11/09 12:00	PAC	5014661
ALKALINITY, BICARBONATE			**MCL**	**SM2320B**	**Units: mg/L**		
Alkalinity, Bicarbonate	241		2	1	05/11/09 12:00	PAC	5014679
ALKALINITY, CARBONATE			**MCL**	**SM2320B**	**Units: mg/L**		
Alkalinity, Carbonate	ND		2	1	05/11/09 12:00	PAC	5014697
ION CHROMATOGRAPHY			**MCL**	**E300.0**	**Units: mg/L**		
Bromide	ND		0.5	1	05/07/09 18:14	BDG	5019736
Chloride	537		50	100	05/13/09 1:53	BDG	5019655
Sulfate	ND		0.5	1	05/07/09 18:14	BDG	5019736
Nitrogen,Nitrate (As N)	ND		0.5	1	05/07/09 18:14	BDG	5011078
METALS BY METHOD 6010B, TOTAL			**MCL**	**SW6010B**	**Units: mg/L**		
Calcium	180		10	100	05/19/09 23:01	EG	5029080
Magnesium	74.8		2	20	05/19/09 22:57	EG	5029079
Potassium	4		1	1	05/19/09 22:53	EG	5029078
Sodium	121		10	100	05/19/09 23:01	EG	5029080

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/08/2009 17:00	AB1	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-6 **Collected:** 05/06/2009 15:15 **SPL Sample ID:** 09050283-08

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**	**Units: ug/L**		
1-Methylnaphthalene	ND		5	1	05/14/09 19:02	S_G	5021730
2-Methylnaphthalene	ND		5	1	05/14/09 19:02	S_G	5021730
Acenaphthene	ND		5	1	05/14/09 19:02	S_G	5021730
Acenaphthylene	ND		5	1	05/14/09 19:02	S_G	5021730
Anthracene	ND		5	1	05/14/09 19:02	S_G	5021730
Benz(a)anthracene	ND		5	1	05/14/09 19:02	S_G	5021730
Benzo(a)pyrene	ND		5	1	05/14/09 19:02	S_G	5021730
Benzo(b)fluoranthene	ND		5	1	05/14/09 19:02	S_G	5021730
Benzo(g,h,i)perylene	ND		5	1	05/14/09 19:02	S_G	5021730
Benzo(k)fluoranthene	ND		5	1	05/14/09 19:02	S_G	5021730
Chrysene	ND		5	1	05/14/09 19:02	S_G	5021730
Dibenz(a,h)anthracene	ND		5	1	05/14/09 19:02	S_G	5021730
Dibenzofuran	ND		5	1	05/14/09 19:02	S_G	5021730
Fluoranthene	ND		5	1	05/14/09 19:02	S_G	5021730
Fluorene	ND		5	1	05/14/09 19:02	S_G	5021730
Indeno(1,2,3-cd)pyrene	ND		5	1	05/14/09 19:02	S_G	5021730
Naphthalene	ND		5	1	05/14/09 19:02	S_G	5021730
Phenanthrene	ND		5	1	05/14/09 19:02	S_G	5021730
Pyrene	ND		5	1	05/14/09 19:02	S_G	5021730
Surr: 2-Fluorobiphenyl	50.2		% 23-116	1	05/14/09 19:02	S_G	5021730
Surr: Nitrobenzene-d5	47.4		% 21-114	1	05/14/09 19:02	S_G	5021730
Surr: Terphenyl-d14	23.4		% 22-141	1	05/14/09 19:02	S_G	5021730

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/08/2009 11:48	N_M	1.00

TOTAL DISSOLVED SOLIDS			MCL	SM2540 C	Units: mg/L		
Total Dissolved Solids (Residue,Filterable)	2280		20	2	05/11/09 11:30	CFS	5015809

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-6 **Collected:** 05/06/2009 15:15 **SPL Sample ID:** 09050283-08

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	12000			500	100	05/13/09 19:48	E_G	5019241
Ethylbenzene	200 J			500	100	05/13/09 19:48	E_G	5019241
Toluene	650			500	100	05/13/09 19:48	E_G	5019241
m,p-Xylene	95			5	1	05/13/09 15:35	E_G	5019236
o-Xylene	27			5	1	05/13/09 15:35	E_G	5019236
Xylenes,Total	122			5	1	05/13/09 15:35	E_G	5019236
Surr: 1,2-Dichloroethane-d4	104		%	78-116	100	05/13/09 19:48	E_G	5019241
Surr: 1,2-Dichloroethane-d4	101		%	78-116	1	05/13/09 15:35	E_G	5019236
Surr: 4-Bromofluorobenzene	106		%	74-125	100	05/13/09 19:48	E_G	5019241
Surr: 4-Bromofluorobenzene	104		%	74-125	1	05/13/09 15:35	E_G	5019236
Surr: Toluene-d8	107		%	82-118	100	05/13/09 19:48	E_G	5019241
Surr: Toluene-d8	109		%	82-118	1	05/13/09 15:35	E_G	5019236

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID Dup #1 **Collected:** 05/06/2009 0:00 **SPL Sample ID:** 09050283-09

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CACO3), TOTAL				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Total (As CaCO3)	237		2	1	05/11/09 12:00	PAC	5014662
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Bicarbonate	237		2	1	05/11/09 12:00	PAC	5014680
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Carbonate	ND		2	1	05/11/09 12:00	PAC	5014698
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	ND		0.5	1	05/07/09 18:33	BDG	5019737
Chloride	557		50	100	05/13/09 2:11	BDG	5019656
Sulfate	ND		0.5	1	05/07/09 18:33	BDG	5019737
Nitrogen,Nitrate (As N)	ND		0.5	1	05/07/09 18:33	BDG	5011079
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	170		10	100	05/19/09 23:13	EG	5029083
Magnesium	72.4		2	20	05/19/09 23:09	EG	5029082
Potassium	3.99		1	1	05/19/09 23:05	EG	5029081
Sodium	122		10	100	05/19/09 23:13	EG	5029083

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/08/2009 17:00	AB1	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID Dup #1 **Collected:** 05/06/2009 0:00 **SPL Sample ID:** 09050283-09

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**	**Units: ug/L**		
1-Methylnaphthalene	ND		5	1	05/13/09 19:33	S_G	5019835
2-Methylnaphthalene	ND		5	1	05/13/09 19:33	S_G	5019835
Acenaphthene	ND		5	1	05/13/09 19:33	S_G	5019835
Acenaphthylene	ND		5	1	05/13/09 19:33	S_G	5019835
Anthracene	ND		5	1	05/13/09 19:33	S_G	5019835
Benz(a)anthracene	ND		5	1	05/13/09 19:33	S_G	5019835
Benzo(a)pyrene	ND		5	1	05/13/09 19:33	S_G	5019835
Benzo(b)fluoranthene	ND		5	1	05/13/09 19:33	S_G	5019835
Benzo(g,h,i)perylene	ND		5	1	05/13/09 19:33	S_G	5019835
Benzo(k)fluoranthene	ND		5	1	05/13/09 19:33	S_G	5019835
Chrysene	ND		5	1	05/13/09 19:33	S_G	5019835
Dibenz(a,h)anthracene	ND		5	1	05/13/09 19:33	S_G	5019835
Dibenzofuran	ND		5	1	05/13/09 19:33	S_G	5019835
Fluoranthene	ND		5	1	05/13/09 19:33	S_G	5019835
Fluorene	ND		5	1	05/13/09 19:33	S_G	5019835
Indeno(1,2,3-cd)pyrene	ND		5	1	05/13/09 19:33	S_G	5019835
Naphthalene	ND		5	1	05/13/09 19:33	S_G	5019835
Phenanthrene	ND		5	1	05/13/09 19:33	S_G	5019835
Pyrene	ND		5	1	05/13/09 19:33	S_G	5019835
Surr: 2-Fluorobiphenyl	46.4		% 23-116	1	05/13/09 19:33	S_G	5019835
Surr: Nitrobenzene-d5	44.6		% 21-114	1	05/13/09 19:33	S_G	5019835
Surr: Terphenyl-d14	22.0		% 22-141	1	05/13/09 19:33	S_G	5019835

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/08/2009 11:48	N_M	1.00

TOTAL DISSOLVED SOLIDS			**MCL**	**SM2540 C**	**Units: mg/L**		
Total Dissolved Solids (Residue,Filterable)	2230		20	2	05/11/09 11:30	CFS	5015810

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID Dup #1 **Collected:** 05/06/2009 0:00 **SPL Sample ID:** 09050283-09

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	12000		500	100	05/13/09 19:23	E_G	5019240
Ethylbenzene	190 J		500	100	05/13/09 19:23	E_G	5019240
Toluene	650		500	100	05/13/09 19:23	E_G	5019240
m,p-Xylene	90		5	1	05/13/09 13:30	E_G	5019233
o-Xylene	25		5	1	05/13/09 13:30	E_G	5019233
Xylenes,Total	115		5	1	05/13/09 13:30	E_G	5019233
Surr: 1,2-Dichloroethane-d4	102	%	78-116	100	05/13/09 19:23	E_G	5019240
Surr: 1,2-Dichloroethane-d4	96.4	%	78-116	1	05/13/09 13:30	E_G	5019233
Surr: 4-Bromofluorobenzene	106	%	74-125	100	05/13/09 19:23	E_G	5019240
Surr: 4-Bromofluorobenzene	103	%	74-125	1	05/13/09 13:30	E_G	5019233
Surr: Toluene-d8	106	%	82-118	100	05/13/09 19:23	E_G	5019240
Surr: Toluene-d8	108	%	82-118	1	05/13/09 13:30	E_G	5019233

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID Dup #2 **Collected:** 05/06/2009 0:00 **SPL Sample ID:** 09050283-10

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CACO3), TOTAL				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Total (As CaCO3)	116		2	1	05/11/09 12:00	PAC	5014663
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Bicarbonate	116		2	1	05/11/09 12:00	PAC	5014681
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Carbonate	ND		2	1	05/11/09 12:00	PAC	5014699
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	ND		0.5	1	05/07/09 18:51	BDG	5019738
Chloride	31400		2500	5000	05/13/09 3:42	BDG	5019661
Sulfate	1180		250	500	05/13/09 4:00	BDG	5019662
Nitrogen,Nitrate (As N)	1.94		0.5	1	05/07/09 18:51	BDG	5011080
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	3760		100	1000	05/19/09 23:33	EG	5029088
Magnesium	872		20	200	05/19/09 23:29	EG	5029087
Potassium	54.8		20	20	05/19/09 23:25	EG	5029086
Sodium	22200		1000	10000	05/19/09 23:37	EG	5029089

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/08/2009 17:00	AB1	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID Dup #2 **Collected:** 05/06/2009 0:00 **SPL Sample ID:** 09050283-10

Site: Maljamar, NM

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C				**MCL**	**SW8270C**	**Units: ug/L**		
1-Methylnaphthalene	ND			5	1	05/13/09 20:08	S_G	5019836
2-Methylnaphthalene	ND			5	1	05/13/09 20:08	S_G	5019836
Acenaphthene	ND			5	1	05/13/09 20:08	S_G	5019836
Acenaphthylene	ND			5	1	05/13/09 20:08	S_G	5019836
Anthracene	ND			5	1	05/13/09 20:08	S_G	5019836
Benz(a)anthracene	ND			5	1	05/13/09 20:08	S_G	5019836
Benzo(a)pyrene	ND			5	1	05/13/09 20:08	S_G	5019836
Benzo(b)fluoranthene	ND			5	1	05/13/09 20:08	S_G	5019836
Benzo(g,h,i)perylene	ND			5	1	05/13/09 20:08	S_G	5019836
Benzo(k)fluoranthene	ND			5	1	05/13/09 20:08	S_G	5019836
Chrysene	ND			5	1	05/13/09 20:08	S_G	5019836
Dibenz(a,h)anthracene	ND			5	1	05/13/09 20:08	S_G	5019836
Dibenzofuran	ND			5	1	05/13/09 20:08	S_G	5019836
Fluoranthene	ND			5	1	05/13/09 20:08	S_G	5019836
Fluorene	ND			5	1	05/13/09 20:08	S_G	5019836
Indeno(1,2,3-cd)pyrene	ND			5	1	05/13/09 20:08	S_G	5019836
Naphthalene	ND			5	1	05/13/09 20:08	S_G	5019836
Phenanthrene	ND			5	1	05/13/09 20:08	S_G	5019836
Pyrene	ND			5	1	05/13/09 20:08	S_G	5019836
Surr: 2-Fluorobiphenyl	35.8		%	23-116	1	05/13/09 20:08	S_G	5019836
Surr: Nitrobenzene-d5	32.8		%	21-114	1	05/13/09 20:08	S_G	5019836
Surr: Terphenyl-d14	14.4MI	*	%	22-141	1	05/13/09 20:08	S_G	5019836

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/08/2009 11:48	N_M	1.00

TOTAL DISSOLVED SOLIDS				**MCL**	**SM2540 C**	**Units: mg/L**		
Total Dissolved Solids (Residue,Filterable)	69800			500	50	05/11/09 11:30	CFS	5015813
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND			5	1	05/13/09 12:14	E_G	5019230
Ethylbenzene	ND			5	1	05/13/09 12:14	E_G	5019230
Toluene	ND			5	1	05/13/09 12:14	E_G	5019230
m,p-Xylene	ND			5	1	05/13/09 12:14	E_G	5019230
o-Xylene	ND			5	1	05/13/09 12:14	E_G	5019230
Xylenes,Total	ND			5	1	05/13/09 12:14	E_G	5019230
Surr: 1,2-Dichloroethane-d4	110		%	78-116	1	05/13/09 12:14	E_G	5019230
Surr: 4-Bromofluorobenzene	103		%	74-125	1	05/13/09 12:14	E_G	5019230
Surr: Toluene-d8	108		%	82-118	1	05/13/09 12:14	E_G	5019230

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID Trip Blank **Collected:** 05/06/2009 15:45 **SPL Sample ID:** 09050283-11

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND		5	1	05/12/09 14:02	E_G	5017164
Ethylbenzene	ND		5	1	05/12/09 14:02	E_G	5017164
Toluene	ND		5	1	05/12/09 14:02	E_G	5017164
m,p-Xylene	ND		5	1	05/12/09 14:02	E_G	5017164
o-Xylene	ND		5	1	05/12/09 14:02	E_G	5017164
Xylenes,Total	ND		5	1	05/12/09 14:02	E_G	5017164
Surr: 1,2-Dichloroethane-d4	106		% 78-116	1	05/12/09 14:02	E_G	5017164
Surr: 4-Bromofluorobenzene	104		% 74-125	1	05/12/09 14:02	E_G	5017164
Surr: Toluene-d8	107		% 82-118	1	05/12/09 14:02	E_G	5017164

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-17 **Collected:** 05/05/2009 9:15 **SPL Sample ID:** 09050283-12

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ALKALINITY (AS CACO3), TOTAL				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Total (As CaCO3)	269		2	1	05/11/09 12:00	PAC	5014666
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Bicarbonate	269		2	1	05/11/09 12:00	PAC	5014684
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Carbonate	ND		2	1	05/11/09 12:00	PAC	5014702
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	ND		0.5	1	05/07/09 19:46	BDG	5019741
Chloride	633		50	100	05/15/09 11:52	BDG	5022190
Sulfate	265		50	100	05/15/09 11:52	BDG	5022190
Nitrogen,Nitrate (As N)	ND		0.5	1	05/07/09 19:46	BDG	5011084
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	415		10	100	05/19/09 23:49	EG	5029092
Magnesium	63.5		2	20	05/19/09 23:45	EG	5029091
Potassium	ND		10	10	05/19/09 23:41	EG	5029090
Sodium	272		10	100	05/19/09 23:49	EG	5029092

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/08/2009 17:00	AB1	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-17 **Collected:** 05/05/2009 9:15 **SPL Sample ID:** 09050283-12

Site: Maljamar, NM

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**	**Units: ug/L**		
1-Methylnaphthalene	ND		5	1	05/14/09 20:08	S_G	5021732
2-Methylnaphthalene	ND		5	1	05/14/09 20:08	S_G	5021732
Acenaphthene	ND		5	1	05/14/09 20:08	S_G	5021732
Acenaphthylene	ND		5	1	05/14/09 20:08	S_G	5021732
Anthracene	ND		5	1	05/14/09 20:08	S_G	5021732
Benz(a)anthracene	ND		5	1	05/14/09 20:08	S_G	5021732
Benzo(a)pyrene	ND		5	1	05/14/09 20:08	S_G	5021732
Benzo(b)fluoranthene	ND		5	1	05/14/09 20:08	S_G	5021732
Benzo(g,h,i)perylene	ND		5	1	05/14/09 20:08	S_G	5021732
Benzo(k)fluoranthene	ND		5	1	05/14/09 20:08	S_G	5021732
Chrysene	ND		5	1	05/14/09 20:08	S_G	5021732
Dibenz(a,h)anthracene	ND		5	1	05/14/09 20:08	S_G	5021732
Dibenzofuran	ND		5	1	05/14/09 20:08	S_G	5021732
Fluoranthene	ND		5	1	05/14/09 20:08	S_G	5021732
Fluorene	ND		5	1	05/14/09 20:08	S_G	5021732
Indeno(1,2,3-cd)pyrene	ND		5	1	05/14/09 20:08	S_G	5021732
Naphthalene	ND		5	1	05/14/09 20:08	S_G	5021732
Phenanthrene	ND		5	1	05/14/09 20:08	S_G	5021732
Pyrene	ND		5	1	05/14/09 20:08	S_G	5021732
Surr: 2-Fluorobiphenyl	58.8		% 23-116	1	05/14/09 20:08	S_G	5021732
Surr: Nitrobenzene-d5	57.4		% 21-114	1	05/14/09 20:08	S_G	5021732
Surr: Terphenyl-d14	23.0		% 22-141	1	05/14/09 20:08	S_G	5021732

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/08/2009 11:48	N_M	1.00

TOTAL DISSOLVED SOLIDS			**MCL**	**SM2540 C**	**Units: mg/L**		
Total Dissolved Solids (Residue,Filterable)	3230		20	2	05/11/09 11:30	CFS	5015814
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND		5	1	05/14/09 12:57	E_G	5021103
Ethylbenzene	ND		5	1	05/14/09 12:57	E_G	5021103
Toluene	ND		5	1	05/14/09 12:57	E_G	5021103
m,p-Xylene	ND		5	1	05/14/09 12:57	E_G	5021103
o-Xylene	ND		5	1	05/14/09 12:57	E_G	5021103
Xylenes,Total	ND		5	1	05/14/09 12:57	E_G	5021103
Surr: 1,2-Dichloroethane-d4	108		% 78-116	1	05/14/09 12:57	E_G	5021103
Surr: 4-Bromofluorobenzene	106		% 74-125	1	05/14/09 12:57	E_G	5021103
Surr: Toluene-d8	110		% 82-118	1	05/14/09 12:57	E_G	5021103

Qualifiers:

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B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Metals by Method 6010B, Total
Method: SW6010B
WorkOrder: 09050283
Lab Batch ID: 90137

Method Blank

RunID: ICP2_090518A-5029831 Units: mg/L
Analysis Date: 05/18/2009 18:49 Analyst: EG
Preparation Date: 05/08/2009 17:00 Prep By: AB1 Method SW3010A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050283-04D	MW-4

Analyte	Result	Rep Limit
Calcium	ND	0.1

Laboratory Control Sample (LCS)

RunID: ICP2_090518A-5029832 Units: mg/L
Analysis Date: 05/18/2009 18:53 Analyst: EG
Preparation Date: 05/08/2009 17:00 Prep By: AB1 Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Calcium	1.000	1.056	105.6	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09050283-04
RunID: ICP2_090518A-5029834 Units: mg/L
Analysis Date: 05/18/2009 19:01 Analyst: EG
Preparation Date: 05/08/2009 17:00 Prep By: AB1 Method SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Calcium	170.2	1	168.2	N/C	1	169.0	N/C	N/C	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Metals by Method 6010B, Total
Method: SW6010B
WorkOrder: 09050283
Lab Batch ID: 90137a

Method Blank

RunID: ICP2_090518A-5029839 Units: mg/L
Analysis Date: 05/18/2009 19:29 Analyst: EG
Preparation Date: 05/08/2009 17:00 Prep By: AB1 Method SW3010A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050283-04D	MW-4

Analyte	Result	Rep Limit
Magnesium	ND	0.1
Sodium	ND	0.1

Laboratory Control Sample (LCS)

RunID: ICP2_090518A-5029840 Units: mg/L
Analysis Date: 05/18/2009 19:33 Analyst: EG
Preparation Date: 05/08/2009 17:00 Prep By: AB1 Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Magnesium	1.000	1.031	103.1	80	120
Sodium	1.000	1.016	101.6	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09050283-04
RunID: ICP2_090518A-5029842 Units: mg/L
Analysis Date: 05/18/2009 19:41 Analyst: EG
Preparation Date: 05/08/2009 17:00 Prep By: AB1 Method SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Magnesium	49.40	1	50.04	N/C	1	49.09	N/C	N/C	20	75	125
Sodium	82.85	1	83.02	N/C	1	81.24	N/C	N/C	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Metals by Method 6010B, Total
Method: SW6010B
WorkOrder: 09050283
Lab Batch ID: 90137b

Method Blank

RunID: ICP2_090519C-5029044 Units: mg/L
Analysis Date: 05/19/2009 20:35 Analyst: EG
Preparation Date: 05/08/2009 17:00 Prep By: AB1 Method SW3010A

Analyte	Result	Rep Limit
Calcium	ND	0.1
Magnesium	ND	0.1
Potassium	ND	1
Sodium	ND	0.1

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050283-01D	MW-18
09050283-02D	MW-10
09050283-03D	MW-12
09050283-04D	MW-4
09050283-05D	MW-2
09050283-06D	MW-5
09050283-07D	MW-7
09050283-08D	MW-6
09050283-09D	Dup #1
09050283-10D	Dup #2
09050283-12D	MW-17

Laboratory Control Sample (LCS)

RunID: ICP2_090519C-5029045 Units: mg/L
Analysis Date: 05/19/2009 20:39 Analyst: EG
Preparation Date: 05/08/2009 17:00 Prep By: AB1 Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Calcium	1.000	1.054	105.4	80	120
Magnesium	1.000	1.041	104.1	80	120
Potassium	10.00	10.19	101.9	80	120
Sodium	1.000	1.037	103.7	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09050283-04
RunID: ICP2_090519C-5029047 Units: mg/L
Analysis Date: 05/19/2009 20:47 Analyst: EG
Preparation Date: 05/08/2009 17:00 Prep By: AB1 Method SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Calcium	146.9	1	151.8	N/C	1	148.1	N/C	N/C	20	75	125
Magnesium	44.19	1	46.16	N/C	1	45.14	N/C	N/C	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Metals by Method 6010B, Total
Method: SW6010B
WorkOrder: 09050283
Lab Batch ID: 90137b

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09050283-04
RunID: ICP2_090519C-5029047 Units: mg/L
Analysis Date: 05/19/2009 20:47 Analyst: EG
Preparation Date: 05/08/2009 17:00 Prep By: AB1 Method SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Potassium	7.384	10	17.19	98.06	10	16.38	89.96	4.826	20	75	125
Sodium	76.19	1	78.76	N/C	1	77.01	N/C	N/C	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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8880 INTERCHANGE DRIVE
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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Semivolatiles Organics by Method 8270C
Method: SW8270C
WorkOrder: 09050283
Lab Batch ID: 90101

Method Blank

RunID: J_090513A-5017638 Units: ug/L
Analysis Date: 05/13/2009 11:18 Analyst: S_G
Preparation Date: 05/08/2009 11:48 Prep By: N_M Method SW3510C

Analyte	Result	Rep Limit
1-Methylnaphthalene	ND	5.0
2-Methylnaphthalene	ND	5.0
Acenaphthene	ND	5.0
Acenaphthylene	ND	5.0
Anthracene	ND	5.0
Benz(a)anthracene	ND	5.0
Benzo(a)pyrene	ND	5.0
Benzo(b)fluoranthene	ND	5.0
Benzo(g,h,i)perylene	ND	5.0
Benzo(k)fluoranthene	ND	5.0
Chrysene	ND	5.0
Dibenz(a,h)anthracene	ND	5.0
Dibenzofuran	ND	5.0
Fluoranthene	ND	5.0
Fluorene	ND	5.0
Indeno(1,2,3-cd)pyrene	ND	5.0
Naphthalene	ND	5.0
Phenanthrene	ND	5.0
Pyrene	ND	5.0
Surr: 2-Fluorobiphenyl	65.8	23-116
Surr: Nitrobenzene-d5	61.4	21-114
Surr: Terphenyl-d14	68.6	22-141

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050283-01C	MW-18
09050283-02C	MW-10
09050283-03C	MW-12
09050283-04C	MW-4
09050283-05C	MW-2
09050283-06C	MW-5
09050283-07C	MW-7
09050283-08C	MW-6
09050283-09C	Dup #1
09050283-10C	Dup #2
09050283-12C	MW-17

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: J_090513A-5017636 Units: ug/L
Analysis Date: 05/13/2009 10:04 Analyst: S_G
Preparation Date: 05/08/2009 11:48 Prep By: N_M Method SW3510C

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
1-Methylnaphthalene	50.0	26.9	53.8	50.0	26.9	53.8	0.0	50	30	120
2-Methylnaphthalene	50.0	29.0	58.0	50.0	29.0	58.0	0.0	50	20	170
Acenaphthene	50.0	32.2	64.4	50.0	31.8	63.6	1.3	31	30	150
Acenaphthylene	50.0	33.5	67.0	50.0	31.7	63.4	5.5	50	33	250
Anthracene	50.0	30.8	61.6	50.0	31.0	62.0	0.6	50	27	133
Benz(a)anthracene	50.0	35.3	70.6	50.0	35.2	70.4	0.3	50	33	143
Benzo(a)pyrene	50.0	39.2	78.4	50.0	38.8	77.6	1.0	50	17	163
Benzo(b)fluoranthene	50.0	38.5	77.0	50.0	38.0	76.0	1.3	50	24	159

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Semivolatiles Organics by Method 8270C **WorkOrder:** 09050283
Method: SW8270C **Lab Batch ID:** 90101

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: J_090513A-5017636 Units: ug/L
Analysis Date: 05/13/2009 10:04 Analyst: S_G
Preparation Date: 05/08/2009 11:48 Prep By: N_M Method SW3510C

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Benzo(g,h,i)perylene	50.0	43.3	86.6	50.0	40.1	80.2	7.7	50	30	160
Benzo(k)fluoranthene	50.0	37.3	74.6	50.0	37.2	74.4	0.3	50	11	162
Chrysene	50.0	36.4	72.8	50.0	36.5	73.0	0.3	50	17	168
Dibenz(a,h)anthracene	50.0	42.5	85.0	50.0	40.6	81.2	4.6	50	30	160
Dibenzofuran	50.0	30.7	61.4	50.0	31.0	62.0	1.0	50	30	150
Fluoranthene	50.0	31.3	62.6	50.0	33.0	66.0	5.3	50	26	137
Fluorene	50.0	33.9	67.8	50.0	33.8	67.6	0.3	50	30	150
Indeno(1,2,3-cd)pyrene	50.0	38.4	76.8	50.0	36.0	72.0	6.5	50	30	160
Naphthalene	50.0	29.9	59.8	50.0	29.8	59.6	0.3	50	21	133
Phenanthrene	50.0	34.9	69.8	50.0	35.6	71.2	2.0	50	10	140
Pyrene	50.0	39.6	79.2	50.0	37.0	74.0	6.8	38	30	150
Surr: 2-Fluorobiphenyl	50.0	32.7	65.4	50.0	32.2	64.4	1.5	30	23	116
Surr: Nitrobenzene-d5	50.0	30.7	61.4	50.0	29.1	58.2	5.4	30	21	114
Surr: Terphenyl-d14	50.0	32.8	65.6	50.0	31.8	63.6	3.1	30	22	141

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Volatile Organics by Method 8260B
Method: SW8260B
WorkOrder: 09050283
Lab Batch ID: R272524

Method Blank

RunID: L_090512A-5017162 Units: ug/L
Analysis Date: 05/12/2009 13:12 Analyst: E_G
Preparation Date: 05/12/2009 13:12 Prep By: Method

Analyte	Result	Rep Limit
Benzene	ND	5.0
Ethylbenzene	ND	5.0
Toluene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
Xylenes,Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	107.6	78-116
Surr: 4-Bromofluorobenzene	105.5	74-125
Surr: Toluene-d8	108.0	82-118

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050283-01E	MW-18
09050283-02E	MW-10
09050283-03E	MW-12
09050283-04E	MW-4
09050283-11E	Trip Blank

Laboratory Control Sample (LCS)

RunID: L_090512A-5017161 Units: ug/L
Analysis Date: 05/12/2009 12:32 Analyst: E_G
Preparation Date: 05/12/2009 12:32 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	19.2	96.0	74	123
Ethylbenzene	20.0	17.0	84.9	72	127
Toluene	20.0	18.4	92.2	74	126
m,p-Xylene	40.0	34.9	87.1	71	129
o-Xylene	20.0	17.9	89.7	74	130
Xylenes,Total	60.0	52.8	88.0	71	130
Surr: 1,2-Dichloroethane-d4	50.0	52.9	106	78	116
Surr: 4-Bromofluorobenzene	50.0	53	106	74	125
Surr: Toluene-d8	50.0	53.3	107	82	118

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09050283-01
RunID: L_090512A-5017166 Units: ug/L
Analysis Date: 05/12/2009 14:53 Analyst: E_G

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 09050283
Method: SW8260B **Lab Batch ID:** R272524

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	19.0	95.2	20	19.3	96.7	1.55	22	70	124
Ethylbenzene	ND	20	16.5	82.5	20	16.4	81.8	0.864	20	76	122
Toluene	ND	20	18.3	91.6	20	18.4	92.0	0.409	24	80	117
m,p-Xylene	ND	40	33.7	84.3	40	33.8	84.6	0.284	20	69	127
o-Xylene	ND	20	17.6	87.8	20	17.7	88.4	0.704	20	84	114
Xylenes,Total	ND	60	51.3	85.5	60	51.5	85.8	0.428	20	69	127
Surr: 1,2-Dichloroethane-d4	ND	50	51.9	104	50	52.5	105	1.26	30	78	116
Surr: 4-Bromofluorobenzene	ND	50	52	104	50	52.1	104	0.123	30	74	125
Surr: Toluene-d8	ND	50	52.9	106	50	52.6	105	0.599	30	82	118

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Volatile Organics by Method 8260B
Method: SW8260B
WorkOrder: 09050283
Lab Batch ID: R272645

Method Blank

RunID: L_090513A-5019229 Units: ug/L
Analysis Date: 05/13/2009 11:49 Analyst: E_G
Preparation Date: 05/13/2009 11:49 Prep By: Method

Analyte	Result	Rep Limit
Benzene	ND	5.0
Ethylbenzene	ND	5.0
Toluene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
Xylenes,Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	107.2	78-116
Surr: 4-Bromofluorobenzene	106.3	74-125
Surr: Toluene-d8	106.2	82-118

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050283-05E	MW-2
09050283-08E	MW-6
09050283-09E	Dup #1
09050283-10E	Dup #2

Laboratory Control Sample (LCS)

RunID: L_090513A-5019228 Units: ug/L
Analysis Date: 05/13/2009 11:09 Analyst: E_G
Preparation Date: 05/13/2009 11:09 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	20.4	102	74	123
Ethylbenzene	20.0	18.3	91.3	72	127
Toluene	20.0	19.9	99.4	74	126
m,p-Xylene	40.0	37.3	93.4	71	129
o-Xylene	20.0	19.1	95.6	74	130
Xylenes,Total	60.0	56.4	94.1	71	130
Surr: 1,2-Dichloroethane-d4	50.0	51.9	104	78	116
Surr: 4-Bromofluorobenzene	50.0	53.1	106	74	125
Surr: Toluene-d8	50.0	54.4	109	82	118

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09050283-10
RunID: L_090513A-5019231 Units: ug/L
Analysis Date: 05/13/2009 12:40 Analyst: E_G

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 09050283
Method: SW8260B **Lab Batch ID:** R272645

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	19.9	99.3	20	20.2	101	1.62	22	70	124
Ethylbenzene	ND	20	16.7	83.6	20	17.1	85.4	2.19	20	76	122
Toluene	ND	20	19.0	94.9	20	19.5	97.3	2.53	24	80	117
m,p-Xylene	ND	40	33.8	84.6	40	34.9	87.3	3.20	20	69	127
o-Xylene	ND	20	17.7	88.5	20	18.4	91.8	3.65	20	84	114
Xylenes,Total	ND	60	51.5	85.9	60	53.3	88.8	3.36	20	69	127
Surr: 1,2-Dichloroethane-d4	ND	50	52.3	105	50	53.2	106	1.73	30	78	116
Surr: 4-Bromofluorobenzene	ND	50	50.8	102	50	51.6	103	1.61	30	74	125
Surr: Toluene-d8	ND	50	53.4	107	50	54.4	109	1.87	30	82	118

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 09050283
Method: SW8260B **Lab Batch ID:** R272752

Method Blank

RunID: L_090514A-5021102 Units: ug/L
Analysis Date: 05/14/2009 12:06 Analyst: E_G
Preparation Date: 05/14/2009 12:06 Prep By: Method

Analyte	Result	Rep Limit
Benzene	ND	5.0
Ethylbenzene	ND	5.0
Toluene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
Xylenes,Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	108.4	78-116
Surr: 4-Bromofluorobenzene	107.5	74-125
Surr: Toluene-d8	109.7	82-118

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050283-05E	MW-2
09050283-06E	MW-5
09050283-07E	MW-7
09050283-12E	MW-17

Laboratory Control Sample (LCS)

RunID: L_090514A-5021101 Units: ug/L
Analysis Date: 05/14/2009 11:27 Analyst: E_G
Preparation Date: 05/14/2009 11:27 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	20.7	103	74	123
Ethylbenzene	20.0	18.5	92.5	72	127
Toluene	20.0	20.1	100	74	126
m,p-Xylene	40.0	37.6	94.1	71	129
o-Xylene	20.0	19.5	97.6	74	130
Xylenes,Total	60.0	57.1	95.3	71	130
Surr: 1,2-Dichloroethane-d4	50.0	53.9	108	78	116
Surr: 4-Bromofluorobenzene	50.0	53.1	106	74	125
Surr: Toluene-d8	50.0	54.3	109	82	118

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09050283-12
RunID: L_090514A-5021104 Units: ug/L
Analysis Date: 05/14/2009 13:23 Analyst: E_G

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 09050283
Method: SW8260B **Lab Batch ID:** R272752

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	20.4	102	20	20.6	103	0.894	22	70	124
Ethylbenzene	ND	20	18.3	91.6	20	18.5	92.3	0.859	20	76	122
Toluene	ND	20	20.0	100	20	20.1	101	0.663	24	80	117
m,p-Xylene	ND	40	37.1	92.9	40	37.4	93.4	0.604	20	69	127
o-Xylene	ND	20	19.0	94.8	20	19.1	95.6	0.856	20	84	114
Xylenes,Total	ND	60	56.1	93.5	60	56.5	94.2	0.689	20	69	127
Surr: 1,2-Dichloroethane-d4	ND	50	51.6	103	50	52.6	105	1.91	30	78	116
Surr: 4-Bromofluorobenzene	ND	50	53	106	50	53.0	106	0.00189	30	74	125
Surr: Toluene-d8	ND	50	54.9	110	50	54.2	108	1.32	30	82	118

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Ion Chromatography
Method: E300.0
WorkOrder: 09050283
Lab Batch ID: R272132

Method Blank

RunID: IC2_090507A-5011061 Units: mg/L
Analysis Date: 05/07/2009 13:22 Analyst: BDG

Analyte	Result	Rep Limit
Nitrogen,Nitrate (As N)	ND	0.50

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050283-01B	MW-18
09050283-02B	MW-10
09050283-03B	MW-12
09050283-04B	MW-4
09050283-05B	MW-2
09050283-06B	MW-5
09050283-07B	MW-7
09050283-08B	MW-6
09050283-09B	Dup #1
09050283-10B	Dup #2

Laboratory Control Sample (LCS)

RunID: IC2_090507A-5011062 Units: mg/L
Analysis Date: 05/07/2009 13:41 Analyst: BDG

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Nitrogen,Nitrate (As N)	10.00	9.012	90.12	90	110

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09050007-01
RunID: IC2_090507A-5011066 Units: mg/L
Analysis Date: 05/07/2009 14:54 Analyst: BDG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Nitrogen,Nitrate (As N)	1.205	10	8.954	77.49 *	10	10.64	94.36	17.22	20	80	120

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Ion Chromatography
Method: E300.0
WorkOrder: 09050283
Lab Batch ID: R272132A

Method Blank

RunID: IC2_090507A-5011061 Units: mg/L
Analysis Date: 05/07/2009 13:22 Analyst: BDG

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050283-12B	MW-17

Analyte	Result	Rep Limit
Nitrogen,Nitrate (As N)	ND	0.50

Laboratory Control Sample (LCS)

RunID: IC2_090507A-5011062 Units: mg/L
Analysis Date: 05/07/2009 13:41 Analyst: BDG

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Nitrogen,Nitrate (As N)	10.00	9.012	90.12	90	110

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09040680-05
RunID: IC2_090507A-5011089 Units: mg/L
Analysis Date: 05/08/2009 0:38 Analyst: BDG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Nitrogen,Nitrate (As N)	ND	10	8.802	87.19	10	9.388	93.05	6.443	20	80	120

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Alkalinity (as CaCO3), Total
Method: SM2320B
WorkOrder: 09050283
Lab Batch ID: R272352

Method Blank

RunID: WET_090511D-5014651 Units: mg/L
Analysis Date: 05/11/2009 12:00 Analyst: PAC

Analyte	Result	Rep Limit
Alkalinity, Total (As CaCO3)	ND	2.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050283-01A	MW-18
09050283-02A	MW-10
09050283-03A	MW-12
09050283-04A	MW-4
09050283-05A	MW-2
09050283-06A	MW-5
09050283-07A	MW-7
09050283-08A	MW-6
09050283-09A	Dup #1
09050283-10A	Dup #2

Laboratory Control Sample (LCS)

RunID: WET_090511D-5014653 Units: mg/L
Analysis Date: 05/11/2009 12:00 Analyst: PAC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Alkalinity, Total (As CaCO3)	38.70	39.00	100.8	90	110

Sample Duplicate

Original Sample: 09050283-10
RunID: WET_090511D-5014663 Units: mg/L
Analysis Date: 05/11/2009 12:00 Analyst: PAC

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Alkalinity, Total (As CaCO3)	116	116	0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Alkalinity (as CaCO3), Total
Method: SM2320B
WorkOrder: 09050283
Lab Batch ID: R272352A

Method Blank

RunID: WET_090511D-5014651 Units: mg/L
Analysis Date: 05/11/2009 12:00 Analyst: PAC

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050283-12A	MW-17

Analyte	Result	Rep Limit
Alkalinity, Total (As CaCO3)	ND	2.0

Laboratory Control Sample (LCS)

RunID: WET_090511D-5014653 Units: mg/L
Analysis Date: 05/11/2009 12:00 Analyst: PAC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Alkalinity, Total (As CaCO3)	38.70	39.00	100.8	90	110

Sample Duplicate

Original Sample: 09050283-12
RunID: WET_090511D-5014666 Units: mg/L
Analysis Date: 05/11/2009 12:00 Analyst: PAC

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Alkalinity, Total (As CaCO3)	269	269	0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Alkalinity, Bicarbonate
Method: SM2320B
WorkOrder: 09050283
Lab Batch ID: R272354

Method Blank

RunID: WET_090511E-5014669 Units: mg/L
Analysis Date: 05/11/2009 12:00 Analyst: PAC

Analyte	Result	Rep Limit
Alkalinity, Bicarbonate	ND	2.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050283-01A	MW-18
09050283-02A	MW-10
09050283-03A	MW-12
09050283-04A	MW-4
09050283-05A	MW-2
09050283-06A	MW-5
09050283-07A	MW-7
09050283-08A	MW-6
09050283-09A	Dup #1
09050283-10A	Dup #2

Laboratory Control Sample (LCS)

RunID: WET_090511E-5014671 Units: mg/L
Analysis Date: 05/11/2009 12:00 Analyst: PAC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Alkalinity, Bicarbonate	38.70	39.00	100.8	90	110

Sample Duplicate

Original Sample: 09050283-10
RunID: WET_090511E-5014681 Units: mg/L
Analysis Date: 05/11/2009 12:00 Analyst: PAC

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Alkalinity, Bicarbonate	116	116	0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Alkalinity, Bicarbonate
Method: SM2320B
WorkOrder: 09050283
Lab Batch ID: R272354A

Method Blank

RunID: WET_090511E-5014669 Units: mg/L
Analysis Date: 05/11/2009 12:00 Analyst: PAC

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050283-12A	MW-17

Analyte	Result	Rep Limit
Alkalinity, Bicarbonate	ND	2.0

Laboratory Control Sample (LCS)

RunID: WET_090511E-5014671 Units: mg/L
Analysis Date: 05/11/2009 12:00 Analyst: PAC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Alkalinity, Bicarbonate	38.70	39.00	100.8	90	110

Sample Duplicate

Original Sample: 09050283-12
RunID: WET_090511E-5014684 Units: mg/L
Analysis Date: 05/11/2009 12:00 Analyst: PAC

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Alkalinity, Bicarbonate	269	269	0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Alkalinity, Carbonate
Method: SM2320B
WorkOrder: 09050283
Lab Batch ID: R272355

Method Blank

RunID: WET_090511F-5014687 Units: mg/L
Analysis Date: 05/11/2009 12:00 Analyst: PAC

Analyte	Result	Rep Limit
Alkalinity, Carbonate	ND	2.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050283-01A	MW-18
09050283-02A	MW-10
09050283-03A	MW-12
09050283-04A	MW-4
09050283-05A	MW-2
09050283-06A	MW-5
09050283-07A	MW-7
09050283-08A	MW-6
09050283-09A	Dup #1
09050283-10A	Dup #2

Laboratory Control Sample (LCS)

RunID: WET_090511F-5014689 Units: mg/L
Analysis Date: 05/11/2009 12:00 Analyst: PAC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Alkalinity, Carbonate	38.70	39.00	100.8	90	110

Sample Duplicate

Original Sample: 09050283-10
RunID: WET_090511F-5014699 Units: mg/L
Analysis Date: 05/11/2009 12:00 Analyst: PAC

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Alkalinity, Carbonate	ND	ND	0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Alkalinity, Carbonate
Method: SM2320B
WorkOrder: 09050283
Lab Batch ID: R272355A

Method Blank

RunID: WET_090511F-5014687 Units: mg/L
Analysis Date: 05/11/2009 12:00 Analyst: PAC

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050283-12A	MW-17

Analyte	Result	Rep Limit
Alkalinity, Carbonate	ND	2.0

Laboratory Control Sample (LCS)

RunID: WET_090511F-5014689 Units: mg/L
Analysis Date: 05/11/2009 12:00 Analyst: PAC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Alkalinity, Carbonate	38.70	39.00	100.8	90	110

Sample Duplicate

Original Sample: 09050283-12
RunID: WET_090511F-5014702 Units: mg/L
Analysis Date: 05/11/2009 12:00 Analyst: PAC

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Alkalinity, Carbonate	ND	ND	0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Total Dissolved Solids
Method: SM2540 C
WorkOrder: 09050283
Lab Batch ID: R272432

Method Blank

RunID: WET_090511W-5015792 Units: mg/L
Analysis Date: 05/11/2009 11:30 Analyst: CFS

Analyte	Result	Rep Limit
Total Dissolved Solids (Residue,Filterable)	ND	10

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050283-01A	MW-18
09050283-02A	MW-10
09050283-03A	MW-12
09050283-04A	MW-4
09050283-05A	MW-2
09050283-06A	MW-5
09050283-07A	MW-7
09050283-08A	MW-6
09050283-09A	Dup #1

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: WET_090511W-5015795 Units: mg/L
Analysis Date: 05/11/2009 11:30 Analyst: CFS

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Total Dissolved Solids (Residue,Filtera	200.0	199.0	99.50	200.0	202.0	101.0	1.5	10	95	107

Sample Duplicate

Original Sample: 09050283-02
RunID: WET_090511W-5015799 Units: mg/L
Analysis Date: 05/11/2009 11:30 Analyst: CFS

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Total Dissolved Solids (Residue,Filtera	6860	6884	0.291	10

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Total Dissolved Solids
Method: SM2540 C
WorkOrder: 09050283
Lab Batch ID: R272432A

Method Blank

RunID: WET_090511W-5015792 Units: mg/L
Analysis Date: 05/11/2009 11:30 Analyst: CFS

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050283-10A	Dup #2
09050283-12A	MW-17

Analyte	Result	Rep Limit
Total Dissolved Solids (Residue,Filterable)	ND	10

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: WET_090511W-5015795 Units: mg/L
Analysis Date: 05/11/2009 11:30 Analyst: CFS

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Total Dissolved Solids (Residue,Filtera	200.0	199.0	99.50	200.0	202.0	101.0	1.5	10	95	107

Sample Duplicate

Original Sample: 09050399-02
RunID: WET_090511W-5015817 Units: mg/L
Analysis Date: 05/11/2009 11:30 Analyst: CFS

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Total Dissolved Solids (Residue,Filtera	188	192	2.11	10

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Ion Chromatography
Method: E300.0

WorkOrder: 09050283
Lab Batch ID: R272670

Method Blank

RunID: IC2_090512A-5019634 Units: mg/L
Analysis Date: 05/12/2009 19:11 Analyst: BDG

Analyte	Result	Rep Limit
Chloride	ND	0.50
Sulfate	ND	0.50

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050283-01B	MW-18
09050283-02B	MW-10
09050283-04B	MW-4
09050283-05B	MW-2
09050283-06B	MW-5
09050283-07B	MW-7
09050283-08B	MW-6
09050283-09B	Dup #1
09050283-10B	Dup #2

Laboratory Control Sample (LCS)

RunID: IC2_090512A-5019635 Units: mg/L
Analysis Date: 05/12/2009 19:29 Analyst: BDG

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	10.00	9.006	90.06	85	115
Sulfate	10.00	9.169	91.69	85	115

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09050283-09
RunID: IC2_090512A-5019657 Units: mg/L
Analysis Date: 05/13/2009 2:29 Analyst: BDG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	557.3	1000	1579	102.2	1000	1637	108.0	3.609	20	80	120
Sulfate	ND	1000	954.9	92.57	1000	949.9	92.06	0.5299	20	80	120

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Ion Chromatography **WorkOrder:** 09050283
Method: E300.0 **Lab Batch ID:** R272670A

Method Blank

RunID: IC2_090512A-5019634 Units: mg/L
Analysis Date: 05/12/2009 19:11 Analyst: BDG

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050283-03B	MW-12

Analyte	Result	Rep Limit
Chloride	ND	0.50
Sulfate	ND	0.50

Laboratory Control Sample (LCS)

RunID: IC2_090512A-5019635 Units: mg/L
Analysis Date: 05/12/2009 19:29 Analyst: BDG

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	10.00	9.006	90.06	85	115
Sulfate	10.00	9.169	91.69	85	115

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09050487-01
RunID: IC2_090512A-5019639 Units: mg/L
Analysis Date: 05/12/2009 20:42 Analyst: BDG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Sulfate	ND	10	9.018	90.18	10	9.376	93.76	3.893	20	80	120

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Ion Chromatography **WorkOrder:** 09050283
Method: E300.0 **Lab Batch ID:** R272676

Method Blank

RunID: IC2_090508C-5019720 Units: mg/L
Analysis Date: 05/07/2009 13:22 Analyst: BDG

Analyte	Result	Rep Limit
Bromide	ND	0.50
Sulfate	ND	0.50

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050283-01B	MW-18
09050283-02B	MW-10
09050283-03B	MW-12
09050283-04B	MW-4
09050283-05B	MW-2
09050283-06B	MW-5
09050283-07B	MW-7
09050283-08B	MW-6
09050283-09B	Dup #1

Laboratory Control Sample (LCS)

RunID: IC2_090508C-5019721 Units: mg/L
Analysis Date: 05/07/2009 13:41 Analyst: BDG

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Bromide	10.00	9.520	95.20	85	115
Sulfate	10.00	9.329	93.29	85	115

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09050007-01
RunID: IC2_090508C-5019725 Units: mg/L
Analysis Date: 05/07/2009 14:54 Analyst: BDG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Bromide	ND	10	8.355	79.47 *	10	9.566	91.58	13.51	20	80	120
Sulfate	1.665	10	10.10	84.33	10	11.92	102.5	16.52	20	80	120

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Ion Chromatography
Method: E300.0
WorkOrder: 09050283
Lab Batch ID: R272676A

Method Blank

RunID: IC2_090508C-5019720 Units: mg/L
Analysis Date: 05/07/2009 13:22 Analyst: BDG

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050283-10B	Dup #2
09050283-12B	MW-17

Analyte	Result	Rep Limit
Bromide	ND	0.50
Sulfate	ND	0.50

Laboratory Control Sample (LCS)

RunID: IC2_090508C-5019721 Units: mg/L
Analysis Date: 05/07/2009 13:41 Analyst: BDG

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Bromide	10.00	9.520	95.20	85	115
Sulfate	10.00	9.329	93.29	85	115

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09040680-05
RunID: IC2_090508C-5019745 Units: mg/L
Analysis Date: 05/08/2009 0:38 Analyst: BDG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Bromide	ND	10	8.800	88.00	10	9.510	95.10	7.755	20	80	120

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

Conoco Phillips

COP Maljamar Gas Plant

Analysis: Ion Chromatography
Method: E300.0
WorkOrder: 09050283
Lab Batch ID: R272827

Method Blank

RunID: IC1_090515A-5022185 Units: mg/L
Analysis Date: 05/15/2009 10:16 Analyst: BDG

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09050283-03B	MW-12
09050283-12B	MW-17

Analyte	Result	Rep Limit
Chloride	ND	0.50
Sulfate	ND	0.50

Laboratory Control Sample (LCS)

RunID: IC1_090515A-5022186 Units: mg/L
Analysis Date: 05/15/2009 10:35 Analyst: BDG

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	10.00	9.517	95.17	85	115
Sulfate	10.00	10.01	100.1	85	115

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09050091-02
RunID: IC1_090515A-5022192 Units: mg/L
Analysis Date: 05/15/2009 14:35 Analyst: BDG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	217.7	500	736.0	103.7	500	741.5	104.8	0.7419	20	80	120
Sulfate	46.39	500	576.5	106.0	500	582.7	107.3	1.067	20	80	120

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	09050283	Received By:	RE
Date and Time Received:	5/7/2009 9:30:00 AM	Carrier name:	Fedex-Standard Overnight
Temperature:	3.0°C	Chilled by:	Water Ice

1.	Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2.	Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Present ☐
3.	Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4.	Chain of custody present?	Yes ☑	No ☐	
5.	Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
6.	Chain of custody agrees with sample labels?	Yes ☑	No ☐	
7.	Samples in proper container/bottle?	Yes ☑	No ☐	
8.	Sample containers intact?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test?	Yes ☑	No ☐	
10.	All samples received within holding time?	Yes ☑	No ☐	
11.	Container/Temp Blank temperature in compliance? 868047283980-3.5,868047283991-3.0,868047284005-3.0,868047284016-3.5	Yes ☑	No ☐	
12.	Water - VOA vials have zero headspace?	Yes ☑	No ☐	VOA Vials Not Present ☐
13.	Water - Preservation checked upon receipt (except VOA*)?	Yes ☑	No ☐	Not Applicable ☐

*VOA Preservation Checked After Sample Analysis

SPL Representative: _____ Contact Date & Time: _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 316776

0905 0283

page 1 of 5

Client Name: Tetra Tech / ConocoPhillips

Address: 1910 N. Big Spring St, Midland TX 79701

Phone/Fax: (432) 682-4559

Client Contact: Greg Pope Email: gwpope57@aol.com

Project Name/No.: COP / Maljamar Gas Plant

Site Name:

Site Location: Maljamar, NM

Invoice To: Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil O=oil SL=sludge X=other)	bottle (P=plastic A=amber glass G=glass V=vial X=other)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other)	pres. (1=HCl 2=HNO3 3=H2SO4 X=other)	Number of Containers	Requested Analysis: Metals - 6010	TDS - 2540C	Ic - Br, Cl, NO2, SO4 - (300.0)	Bicarb/Carb/Alk - 310	8260 - BTEX	8270 - PAH			
MW-18	5/6/09	0956		X	W	P	1	X	2		X	X	X					
MW-18		0956				A	1	X	2						X			
MW-18		0956				P	16	2	1	X								
MW-18		0956				✓	40	1	3					X				
MW-10		1028				P	1	X	2		X	X	X					
MW-10		1028				A	1	X	2						X			
MW-10		1028				P	16	2	1	X								
MW-10		1028				✓	40	1	3					X				
MW-12		1100				P	1	X	2		X	X	X					
MW-12		1100				A	1	X	2						X			

RUSH

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☐ Y ☐ N

Ice? ☐ Y ☐ N

Temp: 3.0c

Requested TAT

Contract ☐ 72hr ☐

24hr ☐ Standard ☒

48hr ☐

Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐

Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial):

	date	time	
1. Relinquished by Sampler: Johnny Tylsworth	5/6/09	1545	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date 5/7/09	time 0930	6. Received by Laboratory:

☐ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 316777

09050283

page 2 of 5

Client Name: Tetra Tech / Conoco Phillips

Address: 1910 N. Big Spring St., Midland TX 79701

Phone/Fax: (432) 682-4559

Client Contact: Greg Pope Email: gwpope57@aol.com

Project Name/No.: COP / Maljamar Gas Plant

Site Name:

Site Location: Maljamar, NM

Invoice To: Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil O=oil SL=sludge X=other)	bottle (P=plastic A=amber glass G=glass V=vial X=other)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other)	pres. (1=HCl 2=HNO3 3=H2SO4 X=other)	Number of Containers	Requested Analysis: Metals - 6010	TDS - 2540C	Cl, Br, NO3, SO4 (300.0)	Bicarb/Carb/Alk - 310	8260 - BTEX	8270 - PAH			
MW-12	5/6/09	1100		X	W	P	16	2	1	X								
MW-12		1100				V	40	1	3					X				
MW-4		1145				P	1	X	2		X	X	X					
MW-4		1145				A	1	X	2						X			
MW-4		1145				P	16	2	1	X								
MW-4		1145				V	40	1	3					X				
MW-2		1237				P	1	X	2		X	X	X					
MW-2		1237				A	1	X	2						X			
MW-2		1237				P	16	2	1	X								
MW-2		1237				V	40	1	3					X				

TSP

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☐ Y ☐ N

Ice? ☐ Y ☐ N

Temp: 3.0 e

Requested TAT

Contract ☐ 72hr ☐

24hr ☐ Standard ☒

48hr ☐

Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐

Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial):

1. Relinquished by Sampler: Johnny Tidsworth	date 5/6/09	time 1545	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date 5/7/09	time 0930	6. Received by Laboratory:

☐ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 316778

09050283

page 3 of 5

Client Name: Tetra Tech / Conoco Phillips

Address: 1910 N. Big Spring St., Midland TX 79701

Phone/Fax: (432) 682-4559

Client Contact: Greg Pope Email: gwpope57@aol.com

Project Name/No.: COP / Maljamar Gas Plant

Site Name:

Site Location: Maljamar, NM

Invoice To: Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil O=oil SL=sludge X=other)	bottle (P=plastic A=amber glass G=glass V=vial X=other)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other)	pres. (1=HCl 2=HNO3 3=H2SO4 X=other)	Number of Containers	Requested Analysis: Metals - 6010	TDS - 2540C	IC - Br, Cl, NO2, SO4 - 300.0	Bicarb/Carb/Alk - 310	8260 - BTEX	8270 - PAH
MW-5	5/6/09	1345		X	W	P	1	X	2		X	X	X		
MW-5		1345				A	1	X	2						X
MW-5		1345				P	16	2	1	X					
MW-5		1345				V	40	1	3					X	
MW-7		1455				P	1	X	2		X	X	X		
MW-7		1455				A	1	X	2						X
MW-7		1455				P	16	2	1	X					
MW-7		1455				V	40	1	3					X	
MW-6		1515				P	1	X	2		X	X	X		
MW-6		1515				A	1	X	2						X

RUSH

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☐ Y ☐ N

Ice? ☐ Y ☐ N

Temp: 3.0c

Requested TAT

Contract ☐ 72hr ☐

24hr ☐ Standard ☒

48hr ☐

Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐

Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial):

	date	time	
1. Relinquished by Sampler: Johnny Tuscworth	5/6/09	1545	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date 5/7/09	time 0930	6. Received by Laboratory:

☐ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 316779 / 09050283 page 4 of 5

Client Name: Tetra Tech / COP
Address: 1910 N. Big Spring St., Midland TX 79701
Phone/Fax: (432) 682-4559
Client Contact: Greg Pope Email: gwpope57@aol.com
Project Name/No.: COP / Maljamar Gas Plant
Site Name:
Site Location: Maljamar, NM
Invoice To: Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil O=oil SL=sludge X=other)	bottle (P=plastic A=amber glass G=glass V=vial X=other)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other)	pres. (1=HCl 2=HNO3 3=H2SO4 X=other)	Number of Containers	Requested Analysis: Metals - 6010 C2	TDS - 2540C	TC - Br, Cl, NO2, 604.1 (300.0)	Bicarb/Carb/Alk - (310)	8260 - BTEX	8270 - PAH			
MW-6	5/6/09	1515		X	W	P	16	2	1	X								
MW-6		1515				V	40	1	3					X				
Dup #1		—				P	1	X	2		X	X	X					
Dup #1		—				A	1	X	2						X			
Dup #1		—				P	16	2	1	X								
Dup #1		—				V	40	1	3					X				
Dup #2		—				P	1	X	2		X	X	X					
Dup #2		—				A	1	X	2						X			
Dup #2		—				P	16	2	1	X								
Dup #2		—				V	40	1	3					X				

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp: 3.0 C

Requested TAT

Contract ☐ 72hr ☐
24hr ☐ Standard ☒
48hr ☐
Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial):

	date	time	
1. Relinquished by Sampler: Johnny Tylsworth	5/6/09	1545	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date 5/7/09	time 0930	6. Received by Laboratory:

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Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 316780

09050283

page 5 of 5

Client Name:	Terra Tech / Conoco Phillips
Address:	1910 N. Big Spring St, Midland TX 79701
Phone/Fax:	(432) 682-4559
Client Contact:	Greg Pope Email: gwpope57@aol.com
Project Name/No.:	COP / Maljamar Gas Plant
Site Name:	
Site Location:	Maljamar, NM
Invoice To:	Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil SL=sludge O=oil X=other)	bottle (P=plastic A=amber glass G=glass V=vial X=other)	size (1=1 liter 4=4oz 8=8oz 16=16oz 40=vial X=other)	pres. (1=HCl 2=HNO3 3=H2SO4 X=other)	Number of Containers	Requested Analysis: Metals - 6010 6020	TDS - 2540C	IC - Br, Cl, NO2, SO4 (300.0)	Bicarb/Carb/Alk - 310	8260 - BTEX	8270 - PAH
Trip Blank	5/6/09	1545		X	W	V	40	1	~~B2~~					X	
MW-17	5/5/09	0915			W	V	1	X	2		X	X	X		
MW-17		0915				A	1	X	2						X
MW-17		0915				P	1L	2	1	X					
MW-17		0915		X	W	V	40	1	3					X	

Client/Consultant Remarks:

Laboratory remarks:

Intact? Y N

Ice? Y N

Temp: 3.0C

Requested TAT

Contract ☐ 72hr ☐

24hr ☐ Standard ☒

48hr ☐

Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐

Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial):

1. Relinquished by Sampler: Johnny Tidsworth	date 5/6/09	time 1545	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date 5/7/09	time 0930	6. Received by Laboratory:

☐ 8880 Interchange Drive
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Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777

RUSH

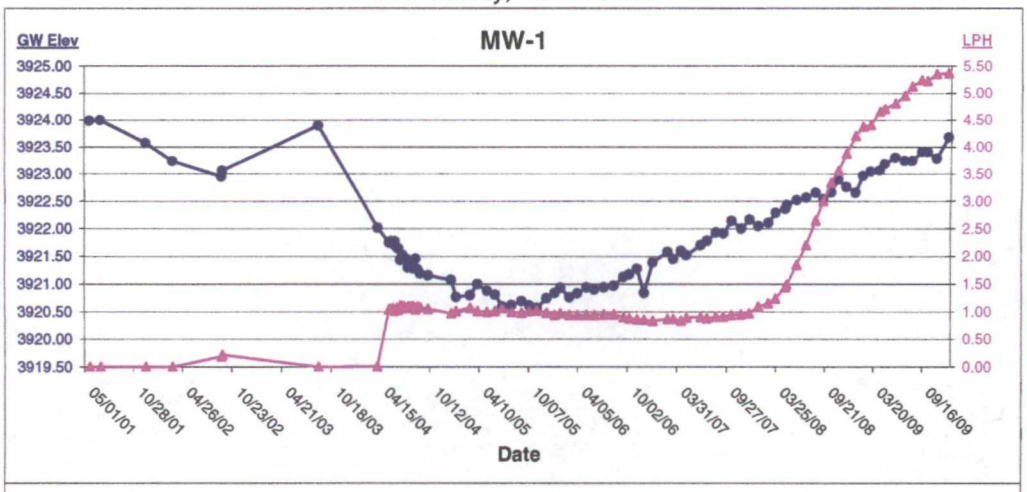
APPENDIX B

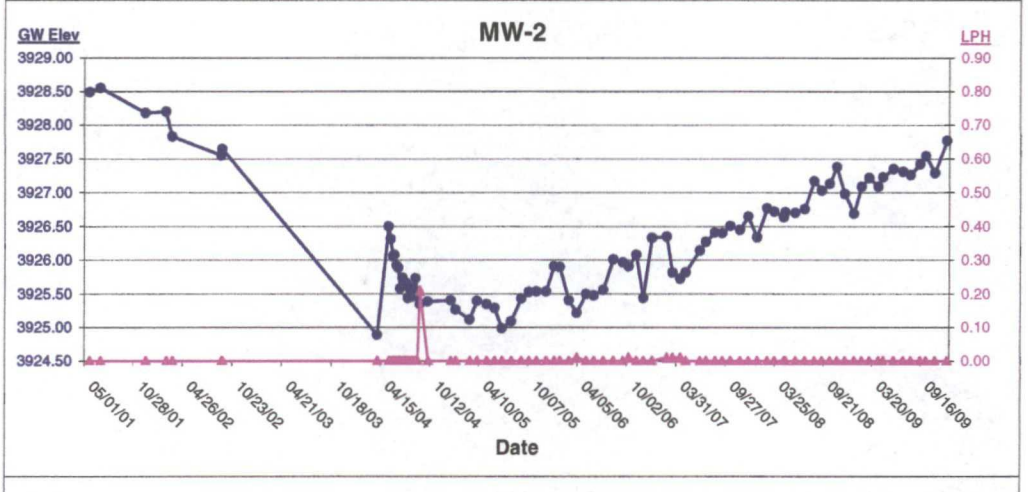
Hydrographs
and
Concentration vs Extracted Volume Graphs

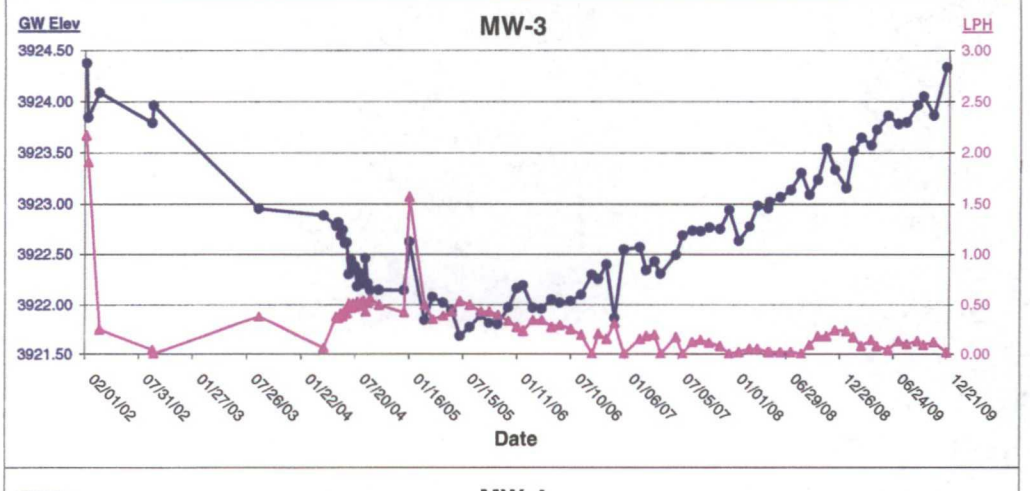
Hydrographs

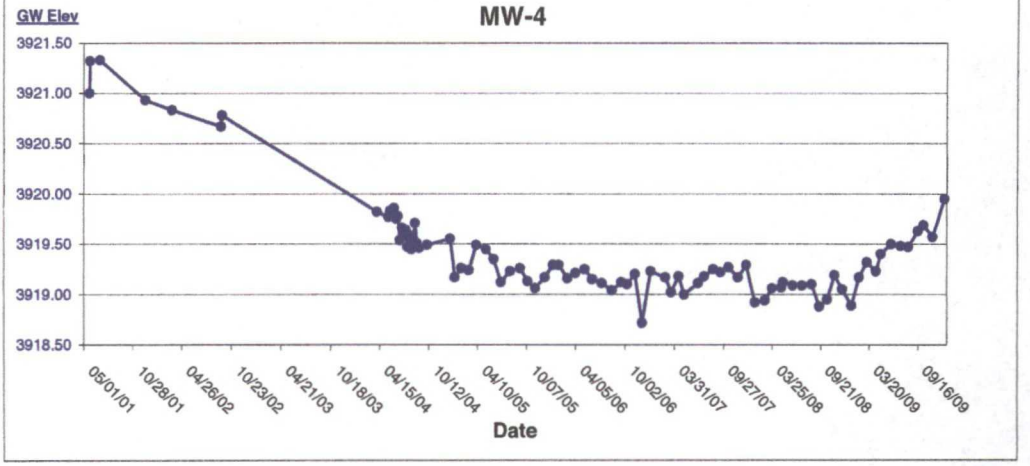
ConocoPhillips - Maljamar Gas Plant

Lea County, New Mexico

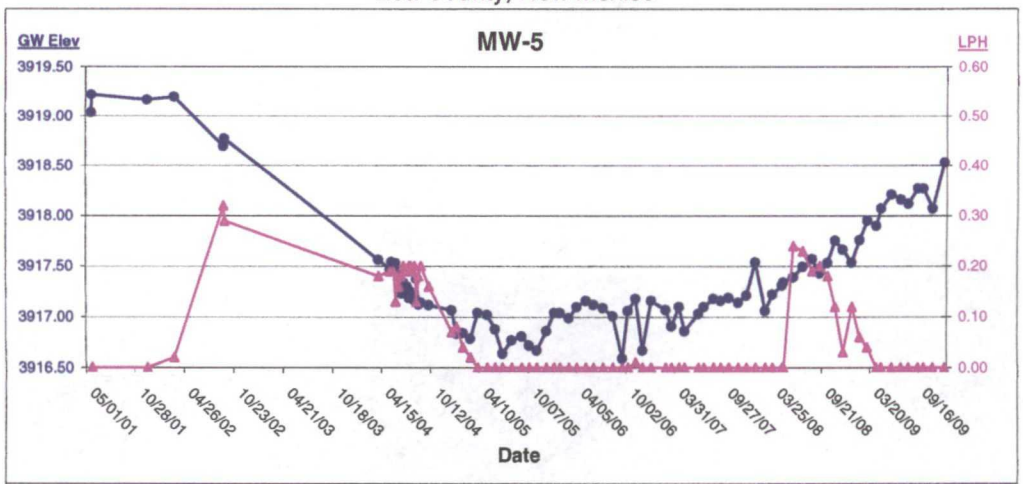


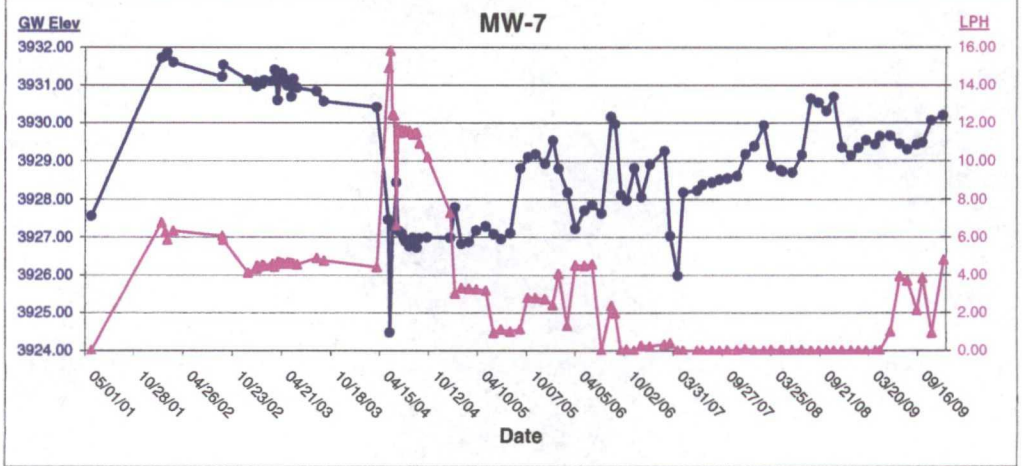


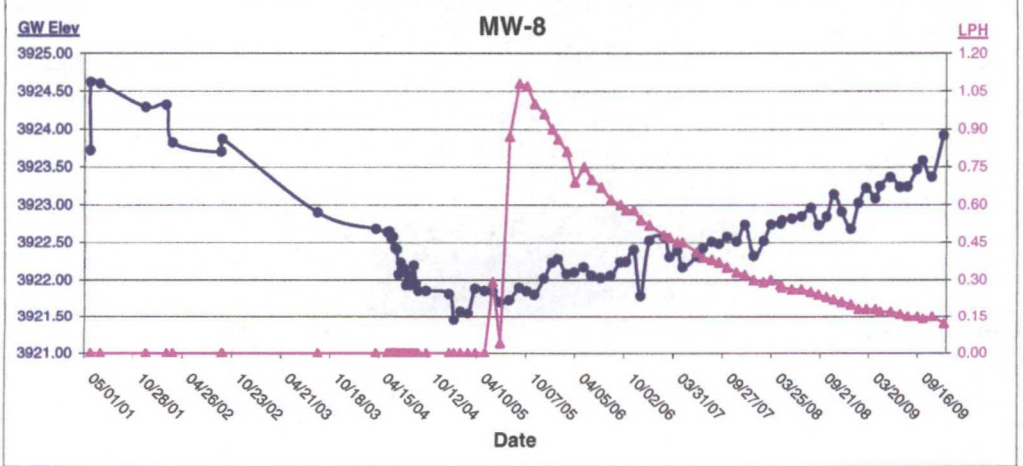


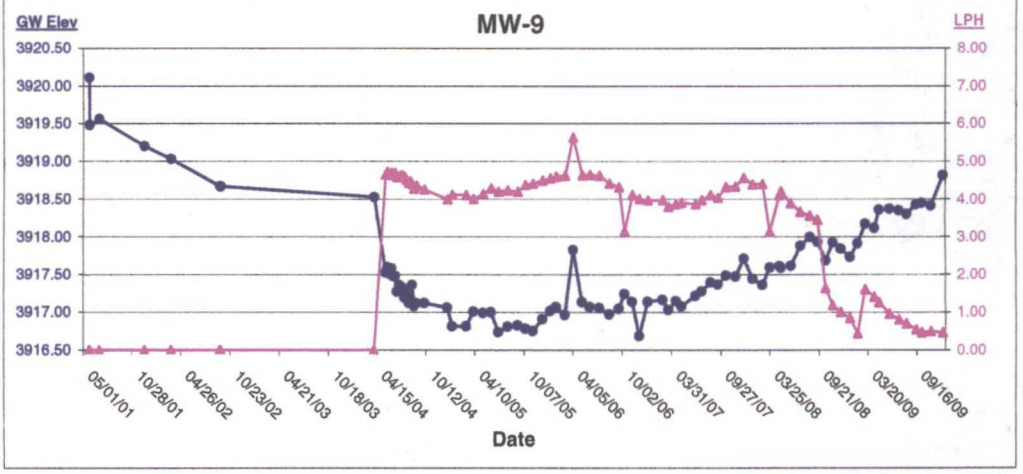


Hydrographs
ConocoPhillips - Maljamar Gas Plant
Lea County, New Mexico

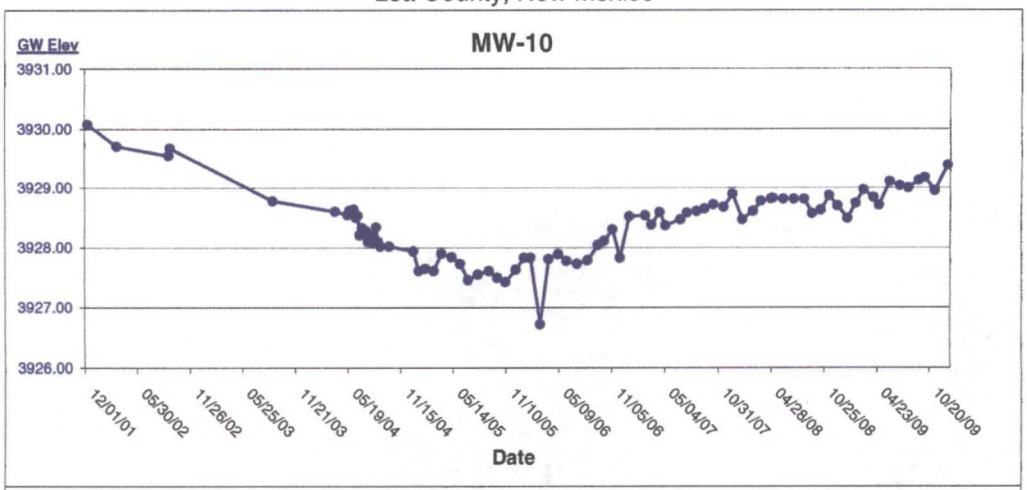


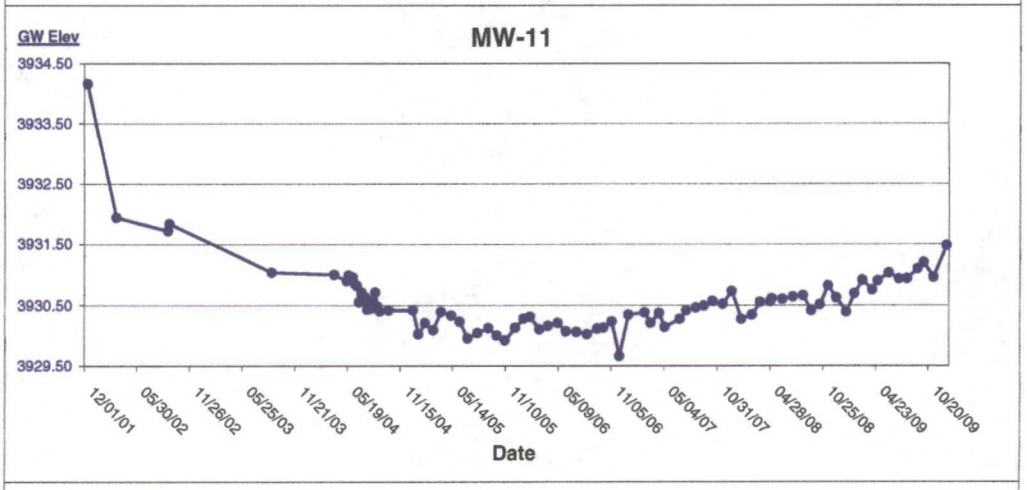


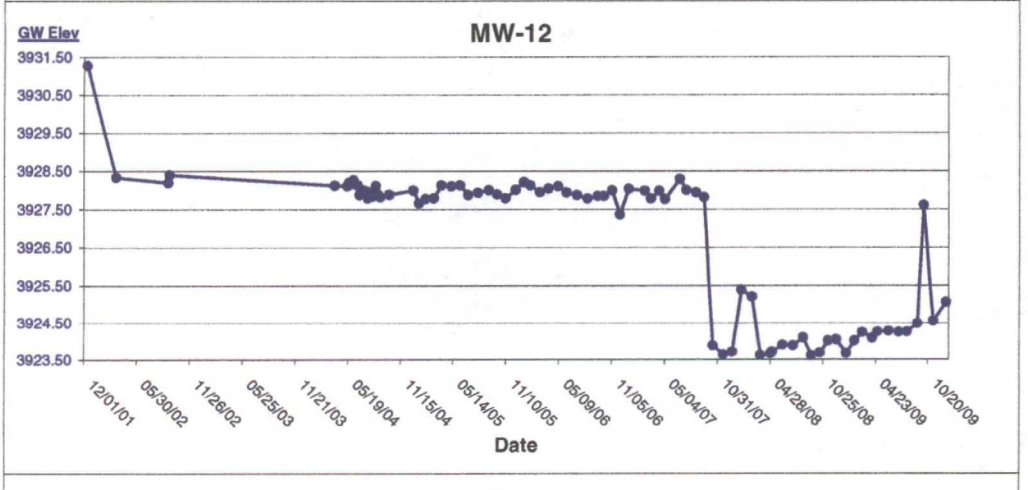


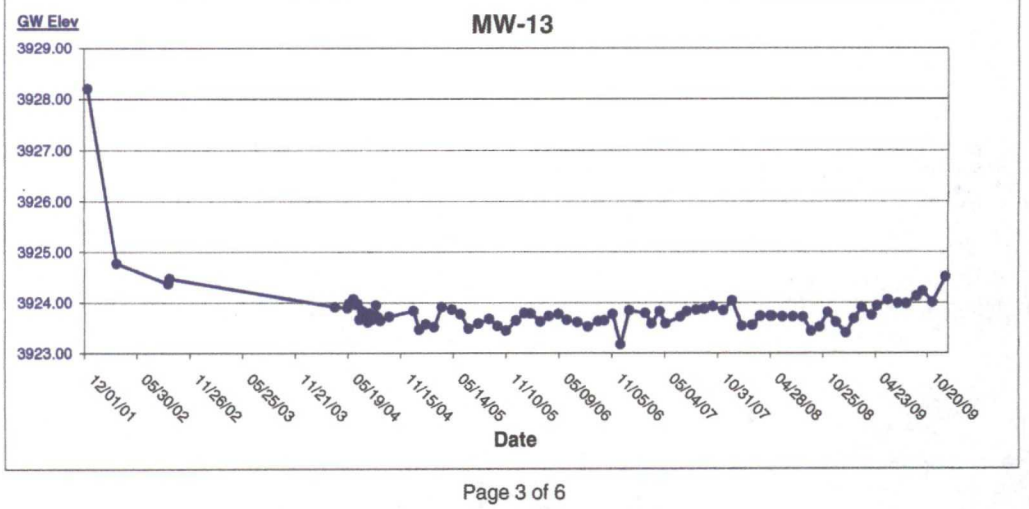


Hydrographs
ConocoPhillips - Maljamar Gas Plant
Lea County, New Mexico

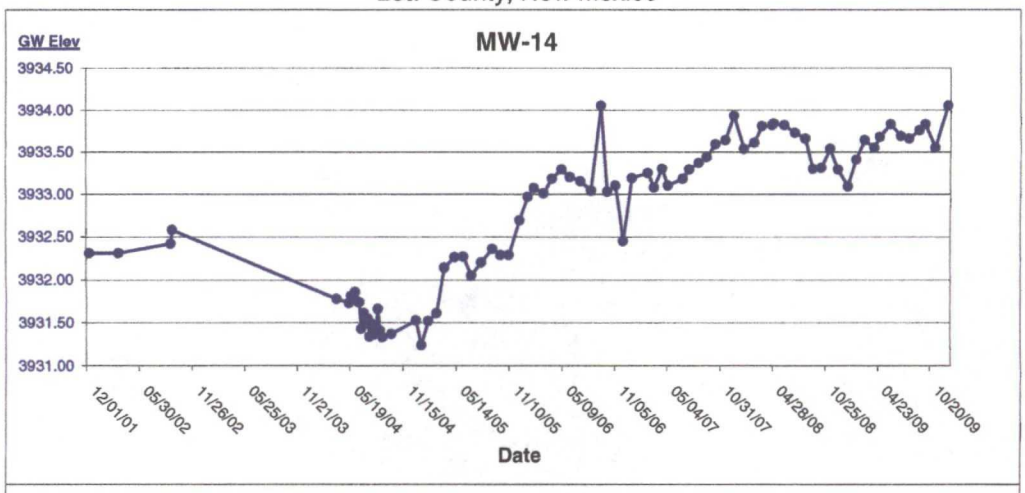


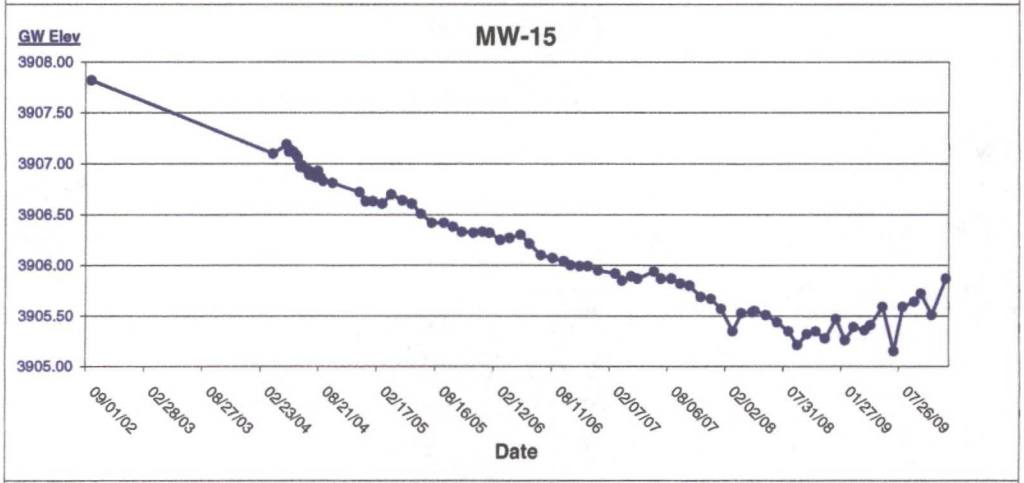


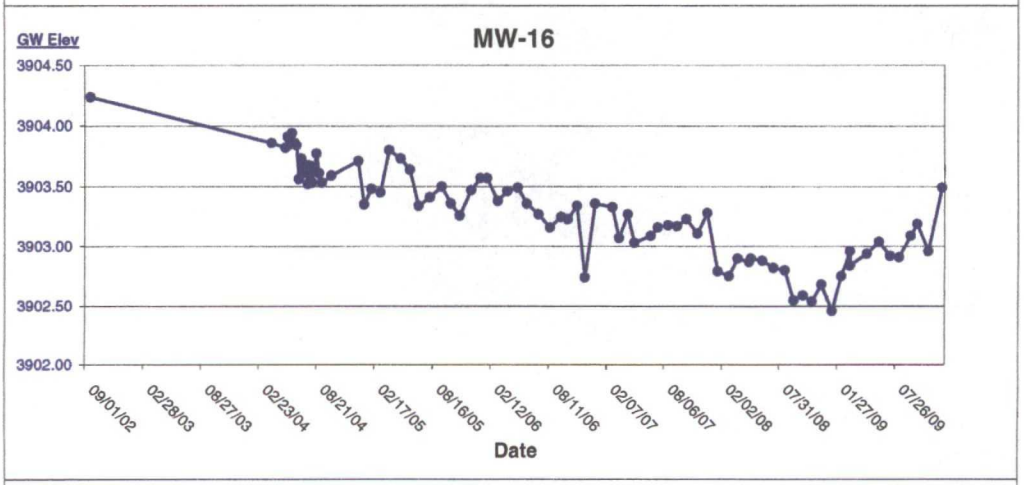


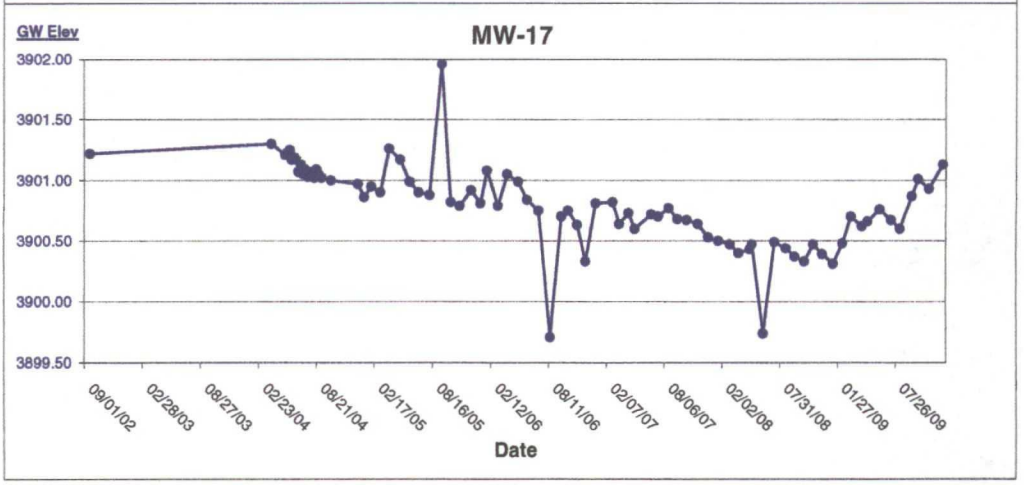


Hydrographs
ConocoPhillips - Maljamar Gas Plant
Lea County, New Mexico

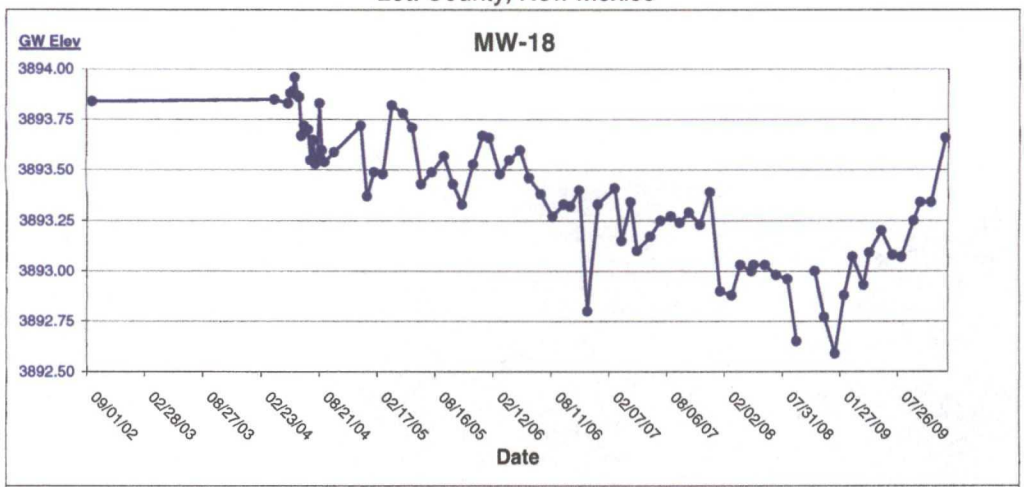


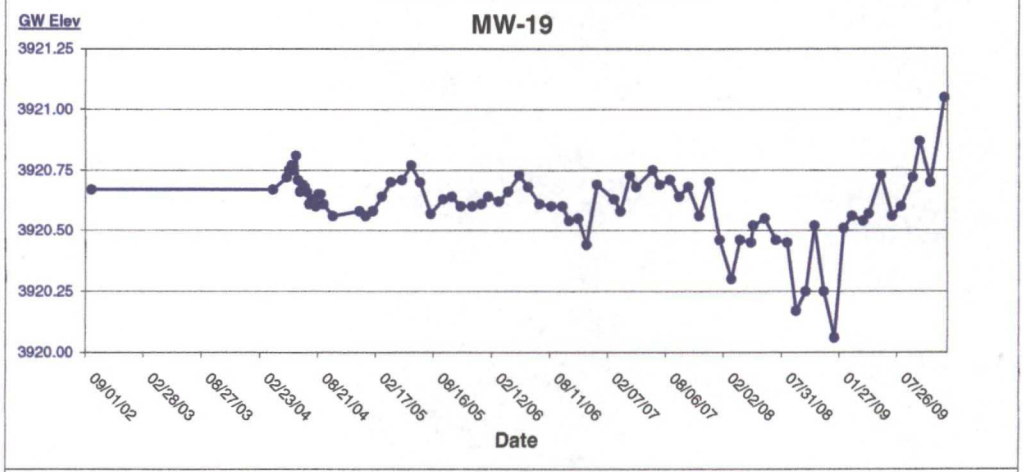


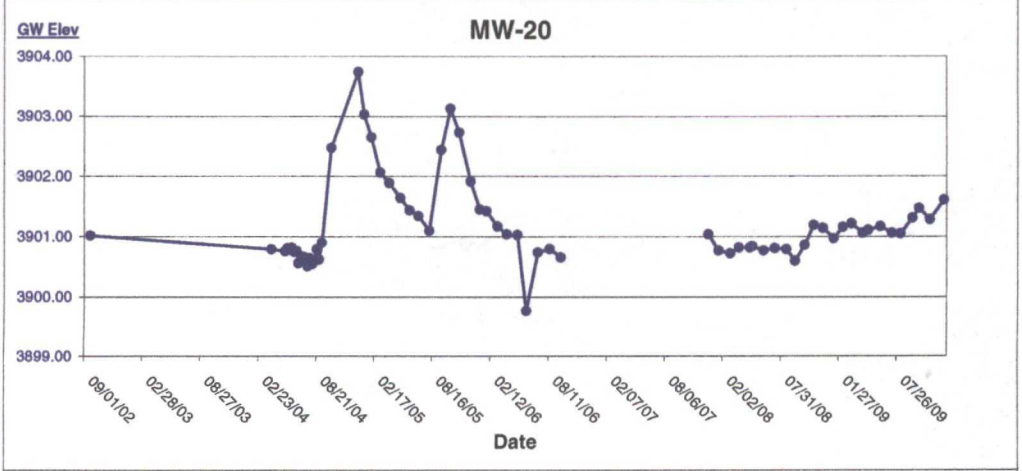


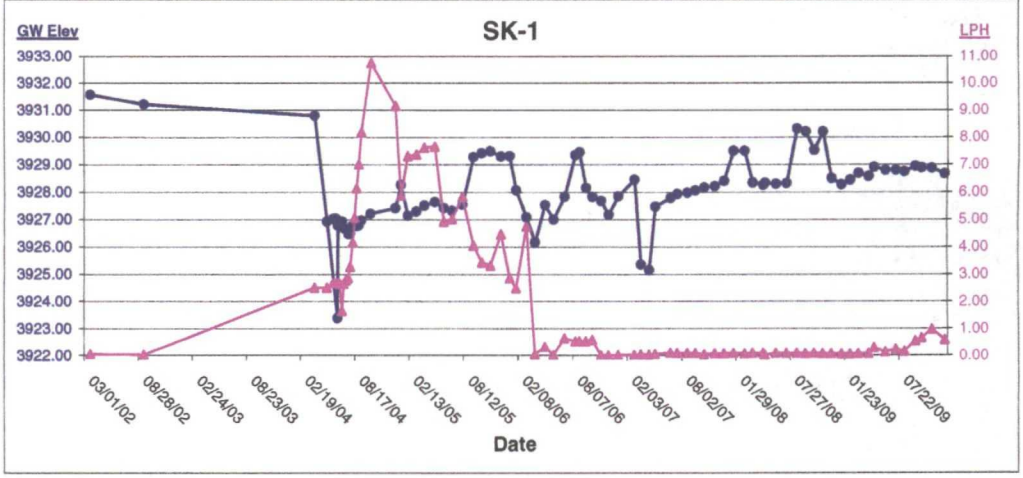


Hydrographs
ConocoPhillips - Maljamar Gas Plant
Lea County, New Mexico

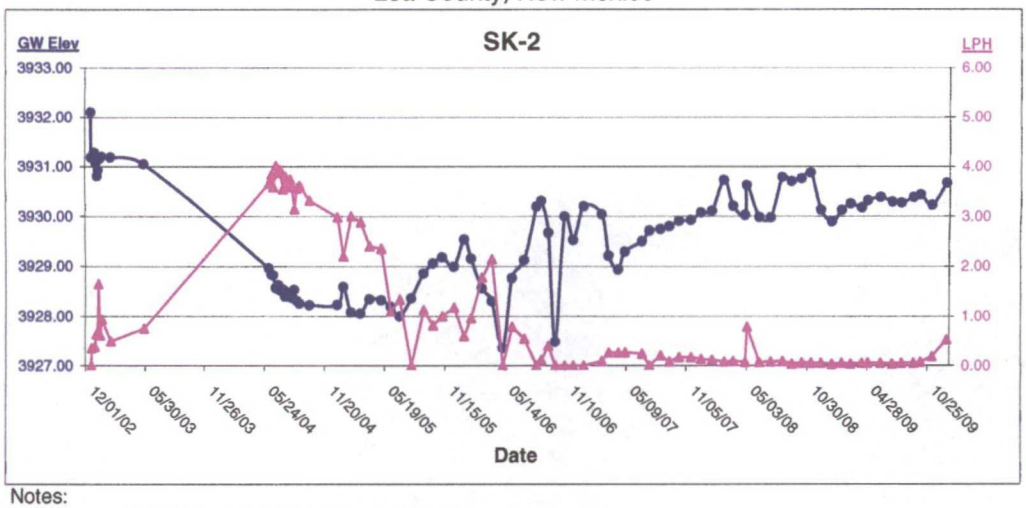








Hydrographs
ConocoPhillips - Maljamar Gas Plant
Lea County, New Mexico

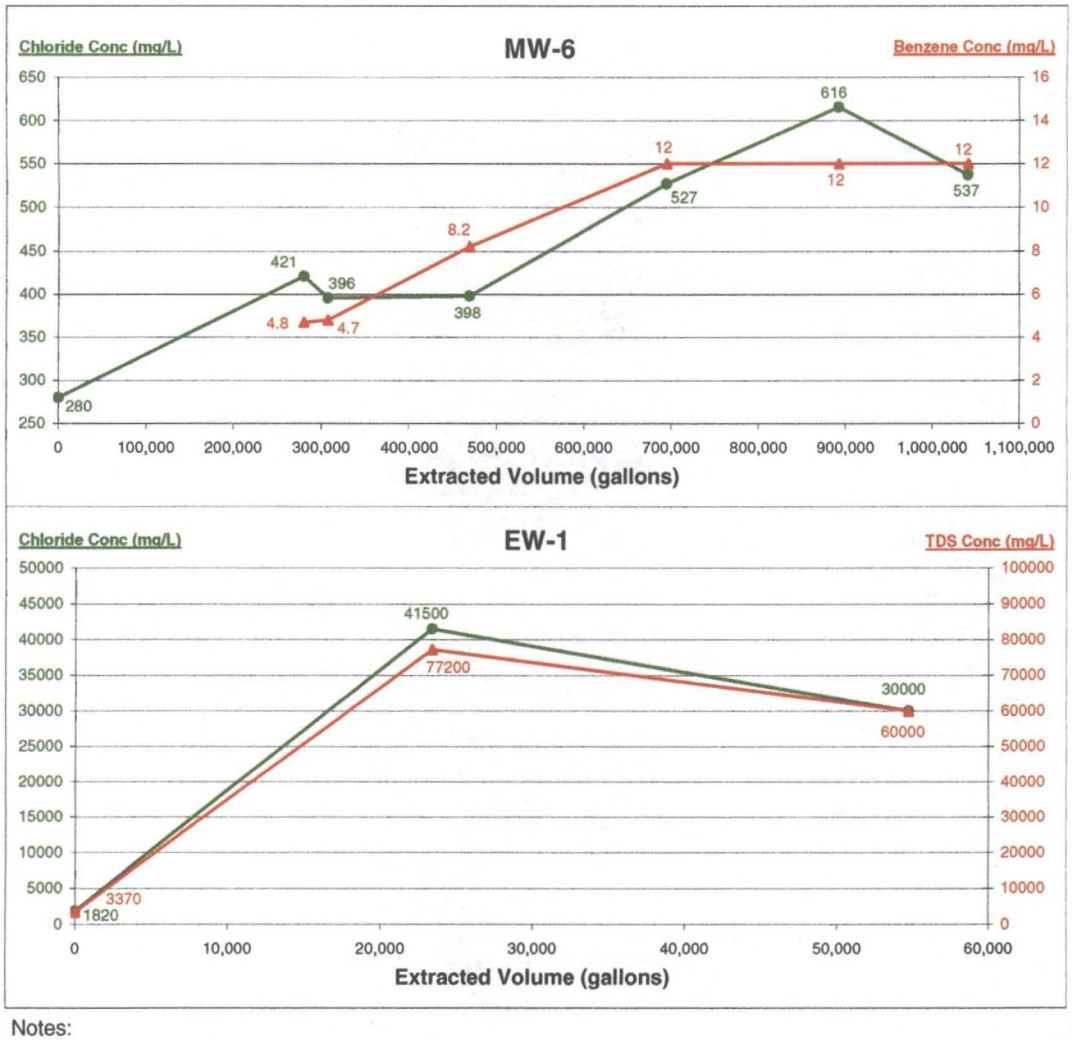


Notes:
GW Elev = Groundwater Elevation in Feet Above Mean Sea Level
LPH = Liquid Phase Hydrocarbon Thickness in Feet

Concentration vs Extracted Volume Graphs

ConocoPhillips - Maljamar Gas Plant

Lea County, New Mexico



Notes:

TDS = Total Dissolved Solids

mg/L = Milligrams per liter