GW - 020

AGWMR

06/30/2011

GW 020

Thomas (Tom) Wynn
Site Manager
Risk Management & Remediation

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ConocoPhillips

June 30, 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 2010
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 2010 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.

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 2010

CONOCOPHILLIPS
MALJAMAR GAS PLANT

LEA COUNTY, NEW MEXICO

Prepared for:

ConocoPhillips

Prepared By:

TETRA TECH, INC.

1910 N. Big Spring Street
Midland, Texas 79705

June 30, 2011

TETRA TECH, INC.

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

June 30, 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 2010
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 2010, groundwater extraction data collected from January through December 2010 during operation of the two groundwater extraction wells at the Site, and results of the alternating operation of hydrocarbon skimmer pumps in wells MW-1, MW-7, MW-9, SK-1 and SK-2.

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 wells and two (2) hydrocarbon recovery wells were installed, groundwater samples and water level data were collected, surface and borehole geophysical surveys were performed, an aquifer pump test was conducted, and the groundwater extraction wells were operated. The following is a summary of those activities:

- A subsurface investigation was performed in June 2000 to assess the potential for impacts to the subsurface underlying two 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.

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

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 2010 included performing a round of groundwater sampling and analyses in May 2010; 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 then in MW-1; 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 25-26, 2010. 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. Fourteen (14) groundwater monitoring wells, two (2) groundwater extraction wells, and one onsite water well (17 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 2010 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 2010. 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 25, 2010 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 2010. 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 7, 2010, approximately 1,297,765 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 2010. 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 7, 2010, approximately 108,230 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. On August 10, 2010, the skimmer pump was removed from MW-9 after the LPH thickness in this well was reduced to 0.10 feet. The skimmer pump was then installed into MW-1 to remove LPH present in this well. Dedicated flowlines are installed from wells MW-9 and MW-1 to a manifold attached to the groundwater extraction well piping at MW-6. Extracted hydrocarbons and minor amounts of groundwater are pumped from the wells into the onsite 210-barrel fluid storage tank connected to MW-6. Volumes of fluids removed by the skimmer pump from wells MW-9 and MW-1 are registered on the extraction well MW-6 flowmeter, and are part of the total extraction volume presented in Table 5a.

GROUNDWATER DATA ANALYSIS

The following sections provide a discussion of the groundwater data collected at the Maljamar Gas Plant from January to December 2010.

Groundwater Data Evaluation

Monthly groundwater and hydrocarbon level measurements were collected at the Site from January through December 2010, and are summarized in Table 2. Groundwater potentiometric surface maps for August and November 2009, and February and May 2010 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 0.01084 and 0.01092 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 leveling to slightly decreasing trend at the Site, as shown on the hydrographs in Appendix B.

Hydrocarbon thickness isopleth maps for August and November 2009, and February and May 2010 are included as Figures 3a, 3b, 3c, and 3d, respectively. As shown on the figures, the hydrocarbon thickness has decreased in well MW-9 and fluctuates in wells SK-1, SK-2 and MW-7 due to the hydrocarbon skimming in these wells, 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 2010 sampling event is included as Figure 4. The laboratory analytical data is included in Appendix A.

The May 2010 groundwater samples reported detectable concentrations of organic compounds in five (5) of the wells sampled (Table 3; Figure 4). Wells MW-2, MW-4, MW-5, MW-6 and MW-11 reported concentrations of benzene at 49, 0.084, 0.0084, 11 and 0.039 mg/L, respectively, of which all but the MW-5 sample (0.0084 mg/L) were 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 well MW-2 at 13 mg/L. Also, PAH analyses reported concentrations of 1-Methylnapthalene and 2-Methylnapthalene above the WQCC standard of 0.03 mg/L for both these constituents in well MW-5 (0.075 mg/L reported for each constituent; Table 3).

Inorganic constituents were reported above WQCC standards in 16 of the 17 wells sampled (Table 3). Well MW-12 reported the highest concentrations of inorganic constituents with 59,300 mg/L of chloride, 1,210 mg/L of sulfate, and 72,000 mg/L of TDS. Extraction well EW-1 reported concentrations of inorganic constituents less than but comparable to MW-12, with 29,600 mg/L of chloride, 852 mg/L of sulfate, and 40,200 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 (17.8 mg/L) and MW-14 (13.7 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 2010 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 measurement collected during the May 2010 sampling indicates near neutral saline water with a pH of 7.19 and a specific conductivity of 2.15 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-1 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.

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.

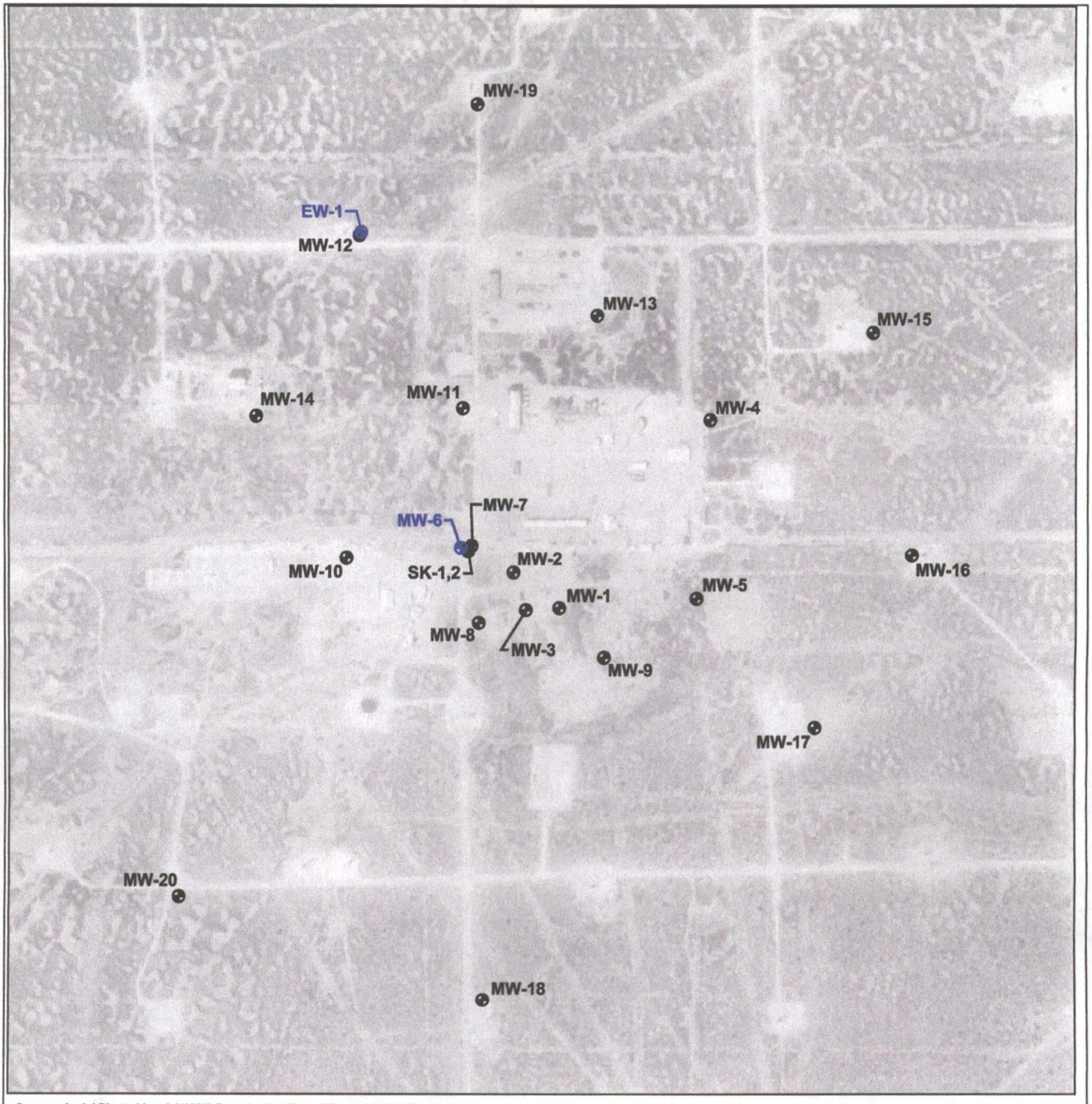
Tetra Tech (2008) report entitled "Annual Groundwater Monitoring and Remediation Report, August 2006 Through December 2007, ConocoPhillips Maljamar Gas Plant, Lea County, New Mexico" to Mr. Wayne Price, New Mexico Oil Conservation Division, dated March 21, 2008.

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

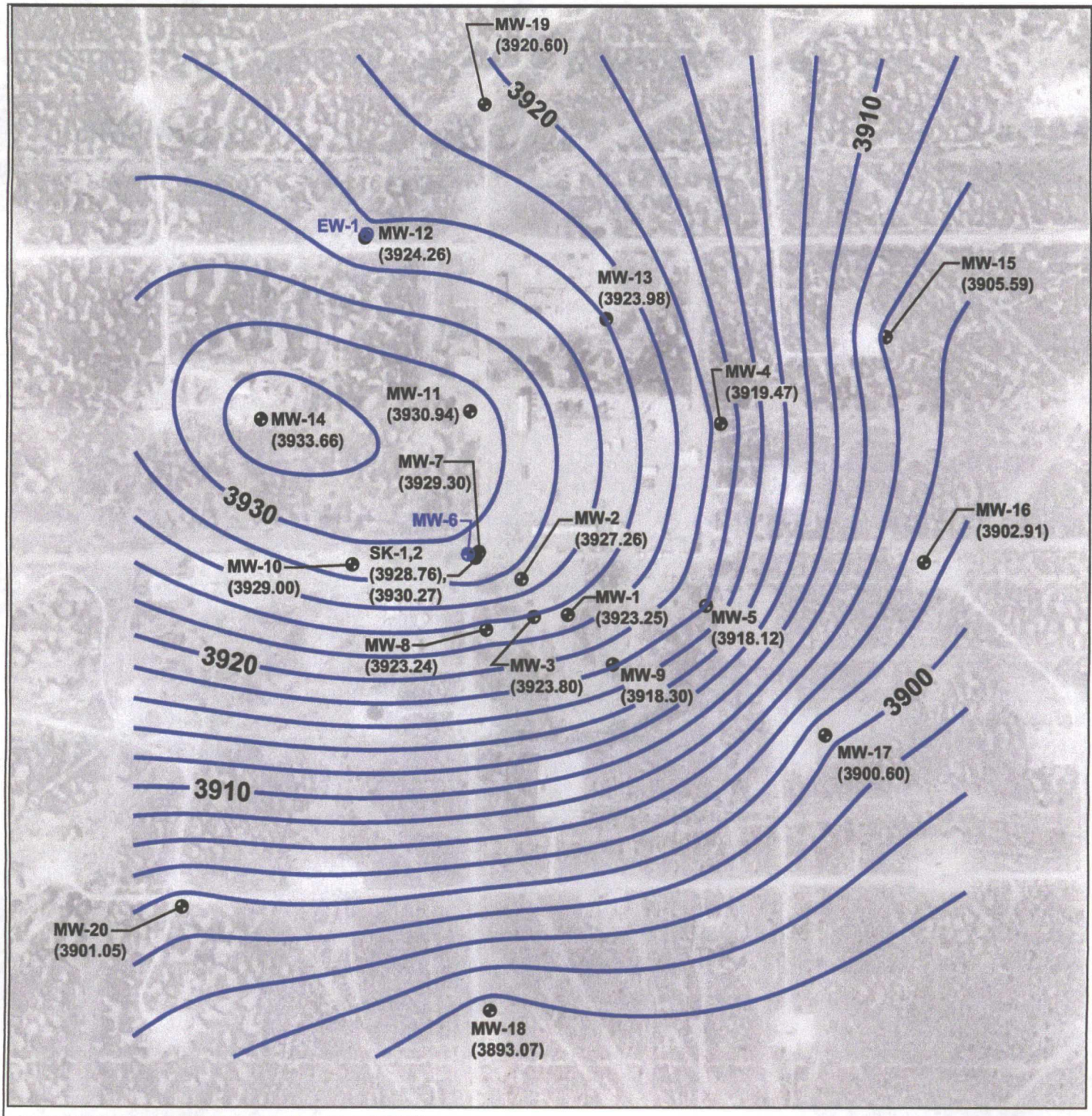
EW-1 — Extraction Well Location

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. 114-6400486 DRAWING BY: GWP DRAWING DATE: 05/17/11 *ACAD File: Maljamar.Site Base Map 2010.dwg*



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

LEGEND

MW-18	Monitoring Well Location
EW-1	Extraction Well Location
(3901.05)	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 10, 2009

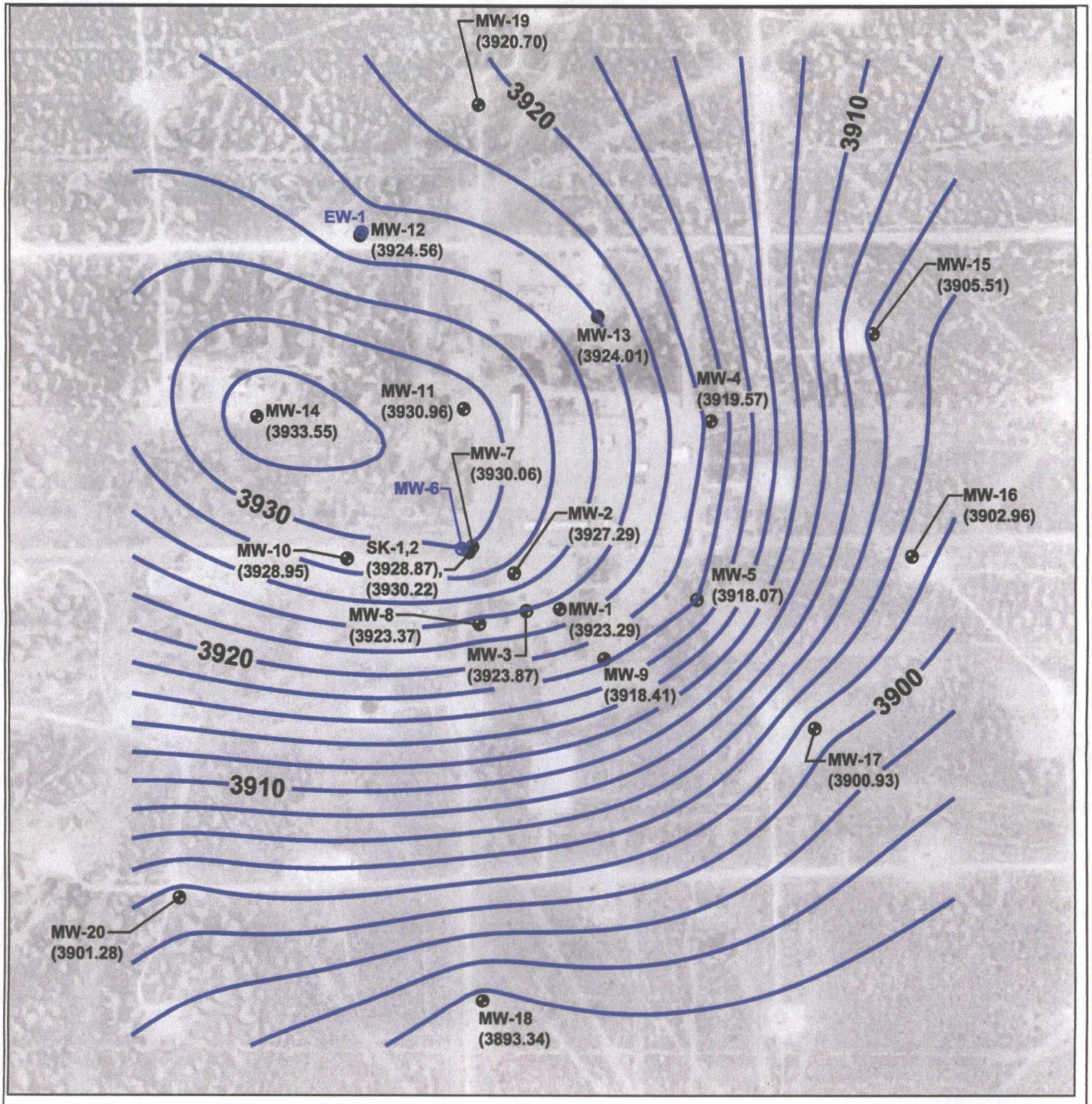
ConocoPhillips

TETRA TECH, INC.

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

PROJECT NO. 114-6400486
DRAWING BY: GWP
DRAWING DATE: 05/17/11

ACAD File: Maljamar.Site Base Map 2010.dwg



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

LEGEND

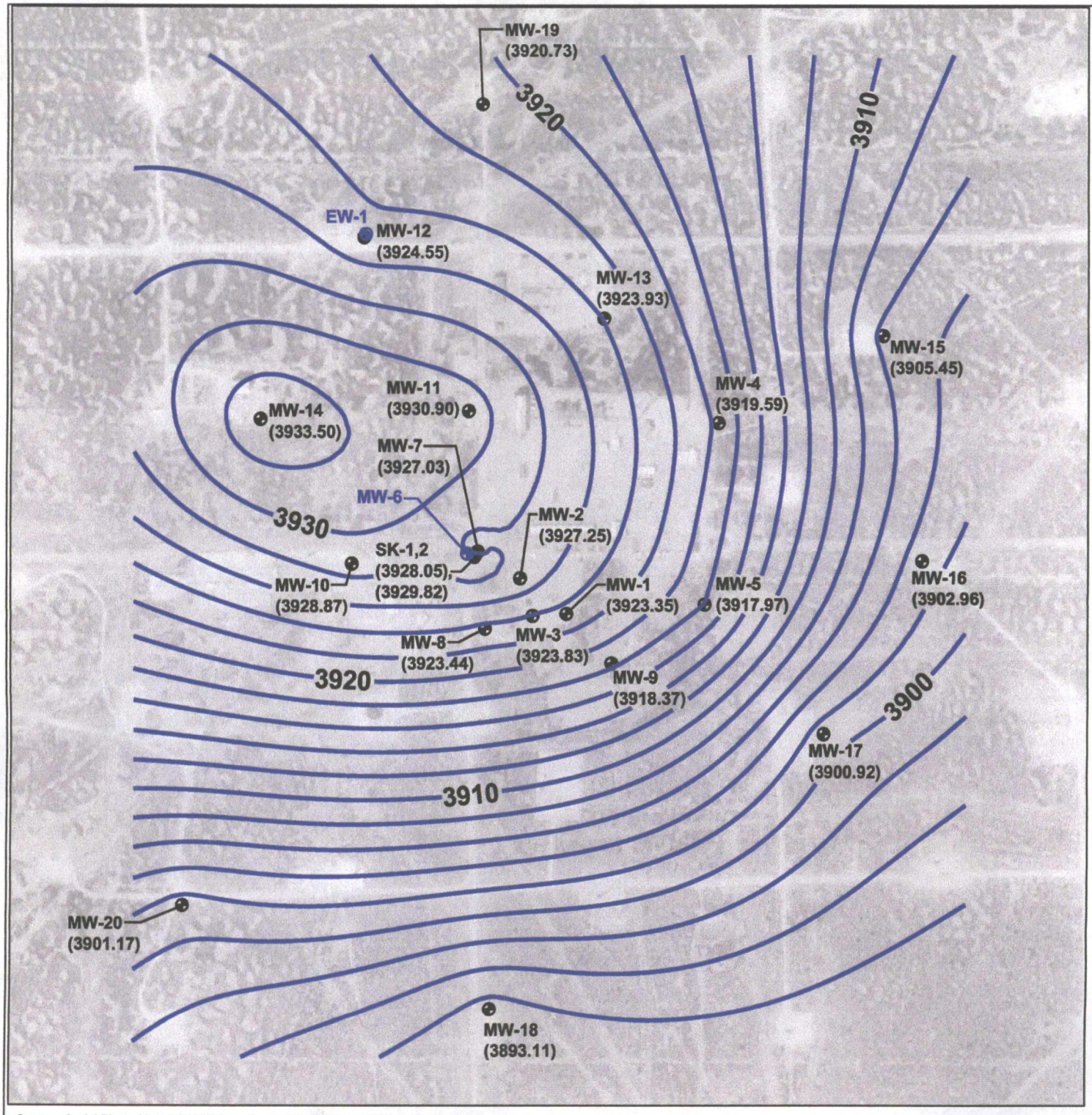
MW-18	Monitoring Well Location
EW-1	Extraction Well Location
(3901.28)	Groundwater Elevation feet above mean sea level
3920	Groundwater Elevation Contour contour interval = 2 feet

0 600 1200

SCALE (feet)

N

FIGURE 2b	GROUNDWATER ELEVATION CONTOUR MAP NOVEMBER 9, 2009
ConocoPhillips	TETRA TECH, INC.
MALJAMAR GAS PLANT Lea County, New Mexico Sec 21 T17S R32E	PROJECT NO. 114-6400486 DRAWING BY: GWP DRAWING DATE: 05/17/11 ACAD File: Maljamar.Site Base Map 2010.dwg



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

LEGEND

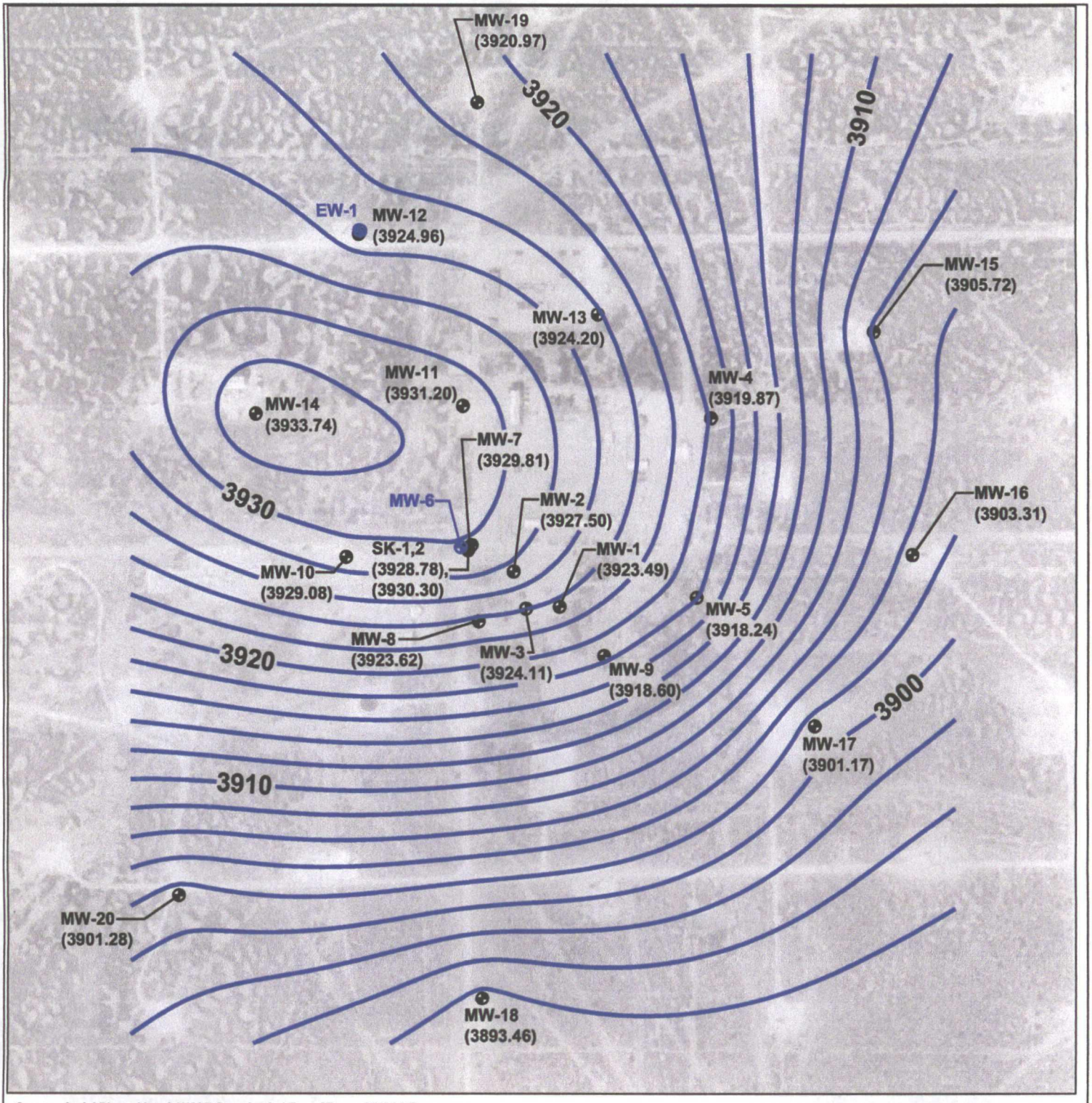
MW-18	Monitoring Well Location
MW-6	Extraction Well Location
(3901.17)	Groundwater Elevation feet above mean sea level
3920	Groundwater Elevation Contour contour interval = 2 feet

0 600 1200

SCALE (feet)

N

FIGURE 2c	GROUNDWATER ELEVATION CONTOUR MAP FEBRUARY 9, 2010
ConocoPhillips	TETRA TECH, INC.
MALJAMAR GAS PLANT Lea County, New Mexico Sec 21 T17S R32E	PROJECT NO. 114-6400486 DRAWING BY: GWP DRAWING DATE: 06/27/11 ACAD File: Maljamar.Site Base Map 2010.dwg



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

LEGEND

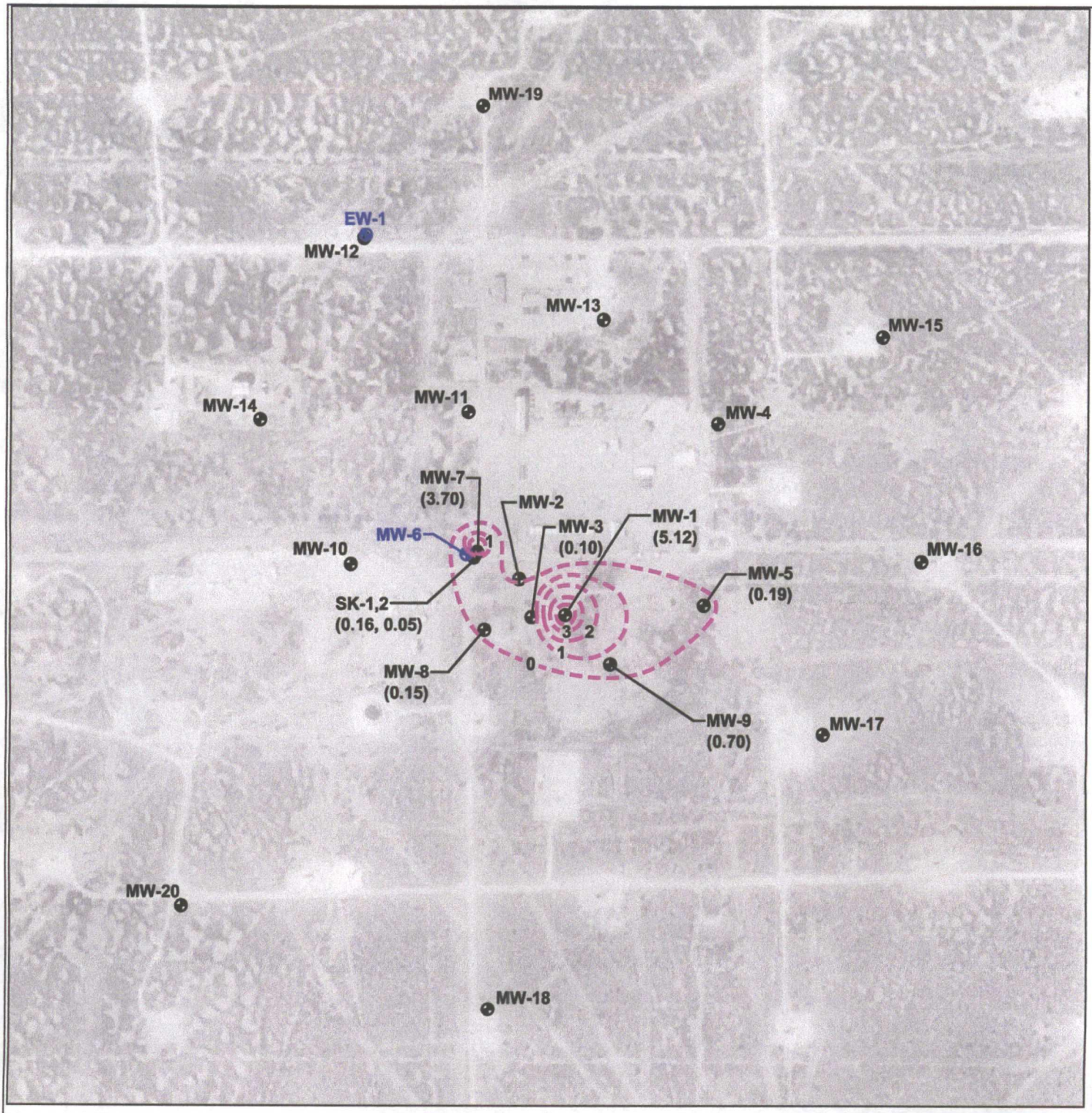
MW-18	Monitoring Well Location
EW-1	Extraction Well Location
(3901.28)	Groundwater Elevation feet above mean sea level
3920	Groundwater Elevation Contour contour interval = 2 feet

0 600 1200

SCALE (feet)

N

FIGURE 2d	GROUNDWATER ELEVATION CONTOUR MAP MAY 24, 2010
ConocoPhillips	TETRA TECH, INC.
MALJAMAR GAS PLANT Lea County, New Mexico Sec 21 T17S R32E	PROJECT NO. 114-6400486 DRAWING BY: GWP DRAWING DATE: 06/27/11 ACAD File: Maljamar.Site Base Map 2010.dwg



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

LEGEND

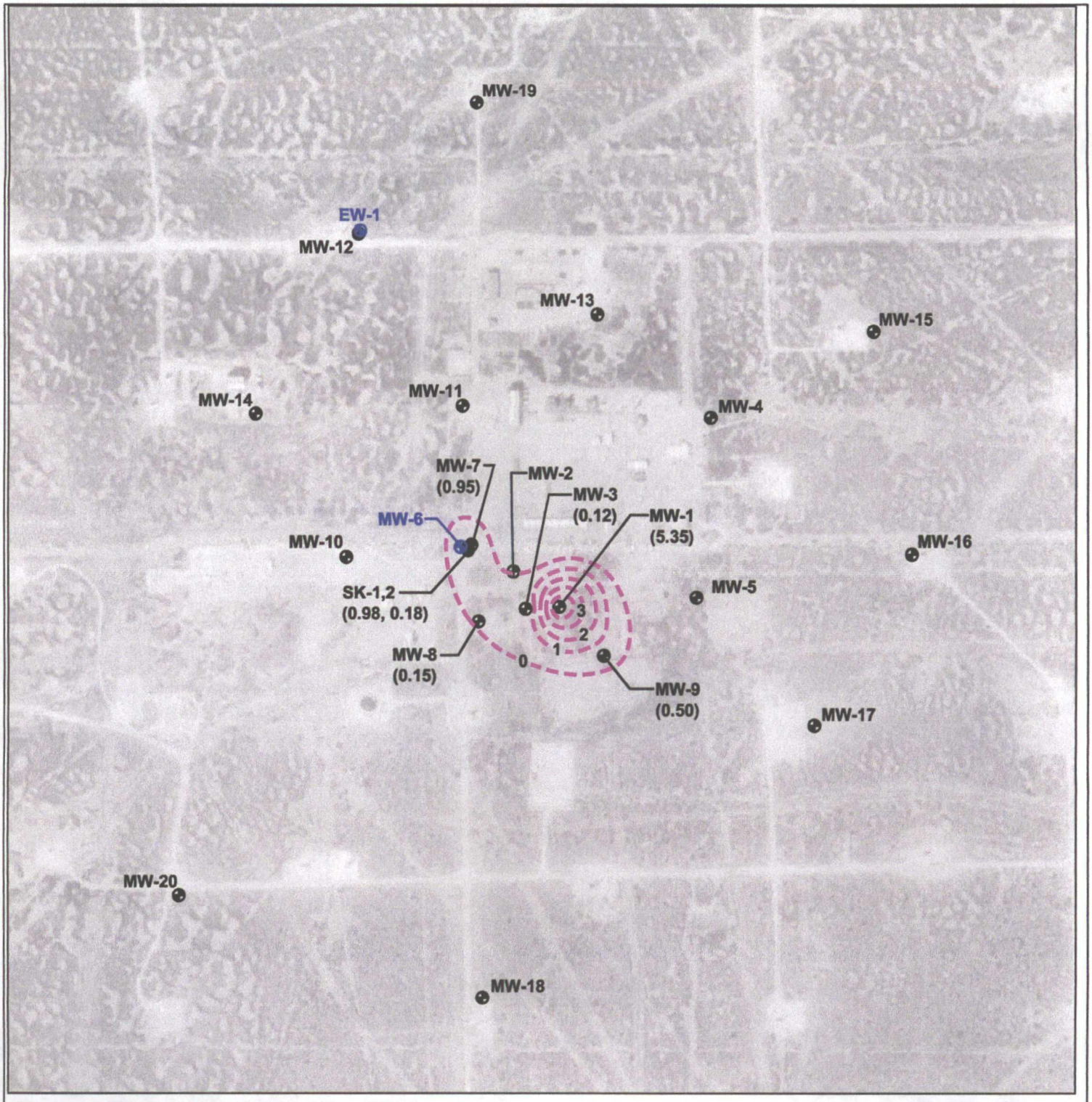
MW-18	Monitoring Well Location
EW-1	Extraction Well Location
(5.12)	LPH Thickness (feet)
3	LPH Thickness Contour

0 600 1200

SCALE (feet)

N

FIGURE 3a	**LIQUID PHASE HYDROCARBON (LPH) THICKNESS CONTOUR MAP August 10, 2009**
ConocoPhillips	TETRA TECH, INC.
MALJAMAR GAS PLANT Lea County, New Mexico Sec 21 T17S R32E	PROJECT NO. 114-6400486 DRAWING BY: GWP DRAWING DATE: 06/29/11 *ACAD File: Maljamar.Site Base Map 2010.dwg*



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

LEGEND

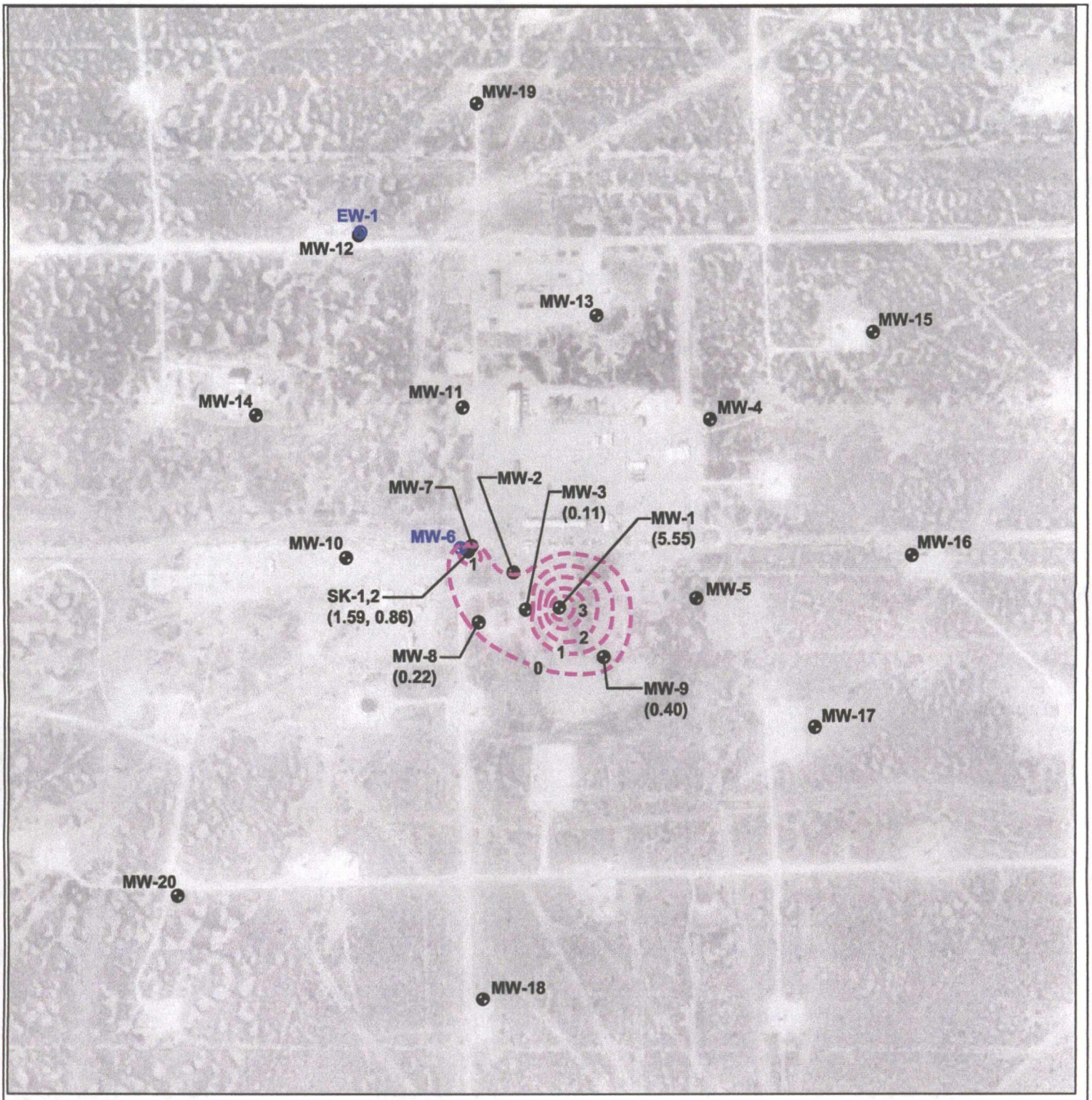
MW-18	Monitoring Well Location
EW-1	Extraction Well Location
(5.35)	LPH Thickness (feet)
3	LPH Thickness Contour

0 600 1200

SCALE (feet)

N

FIGURE 3b	**LIQUID PHASE HYDROCARBON (LPH) THICKNESS CONTOUR MAP November 9, 2009**
ConocoPhillips	TETRA TECH, INC.
MALJAMAR GAS PLANT Lea County, New Mexico Sec 21 T17S R32E	PROJECT NO. 114-6400486 DRAWING BY: GWP DRAWING DATE: 06/29/11 *ACAD File: Maljamar.Site Base Map 2010.dwg*



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

LEGEND

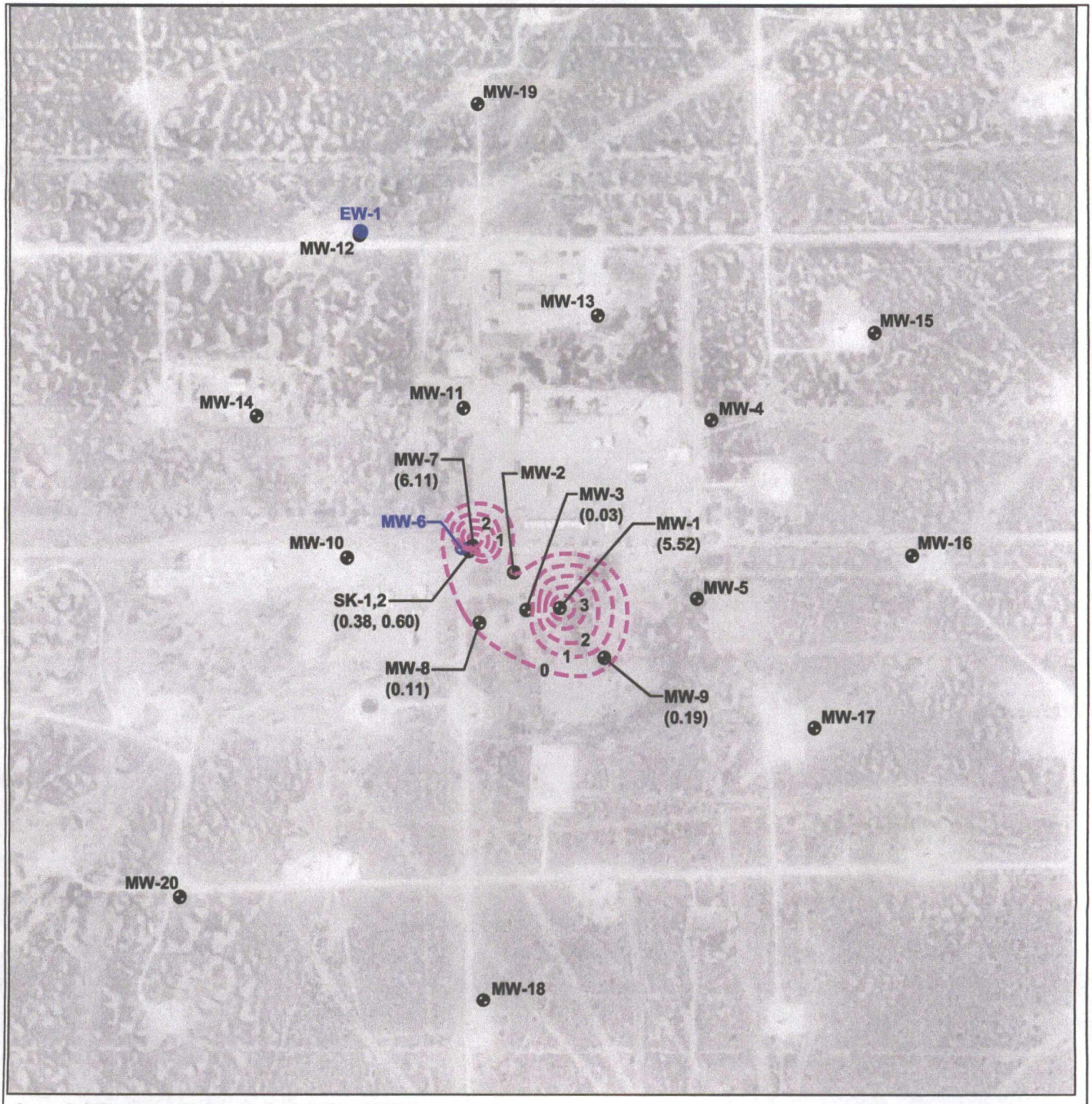
MW-18	Monitoring Well Location
EW-1	Extraction Well Location
(5.55)	LPH Thickness (feet)
3	LPH Thickness Contour

0 600 1200

SCALE (feet)

N

FIGURE 3c	LIQUID PHASE HYDROCARBON (LPH) THICKNESS CONTOUR MAP February 9, 2010
ConocoPhillips	TETRA TECH, INC.
MALJAMAR GAS PLANT Lea County, New Mexico Sec 21 T17S R32E	PROJECT NO. 114-6400486 DRAWING BY: GWP DRAWING DATE: 06/29/11 *ACAD File: Maljamar.Site Base Map 2010.dwg*



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

LEGEND

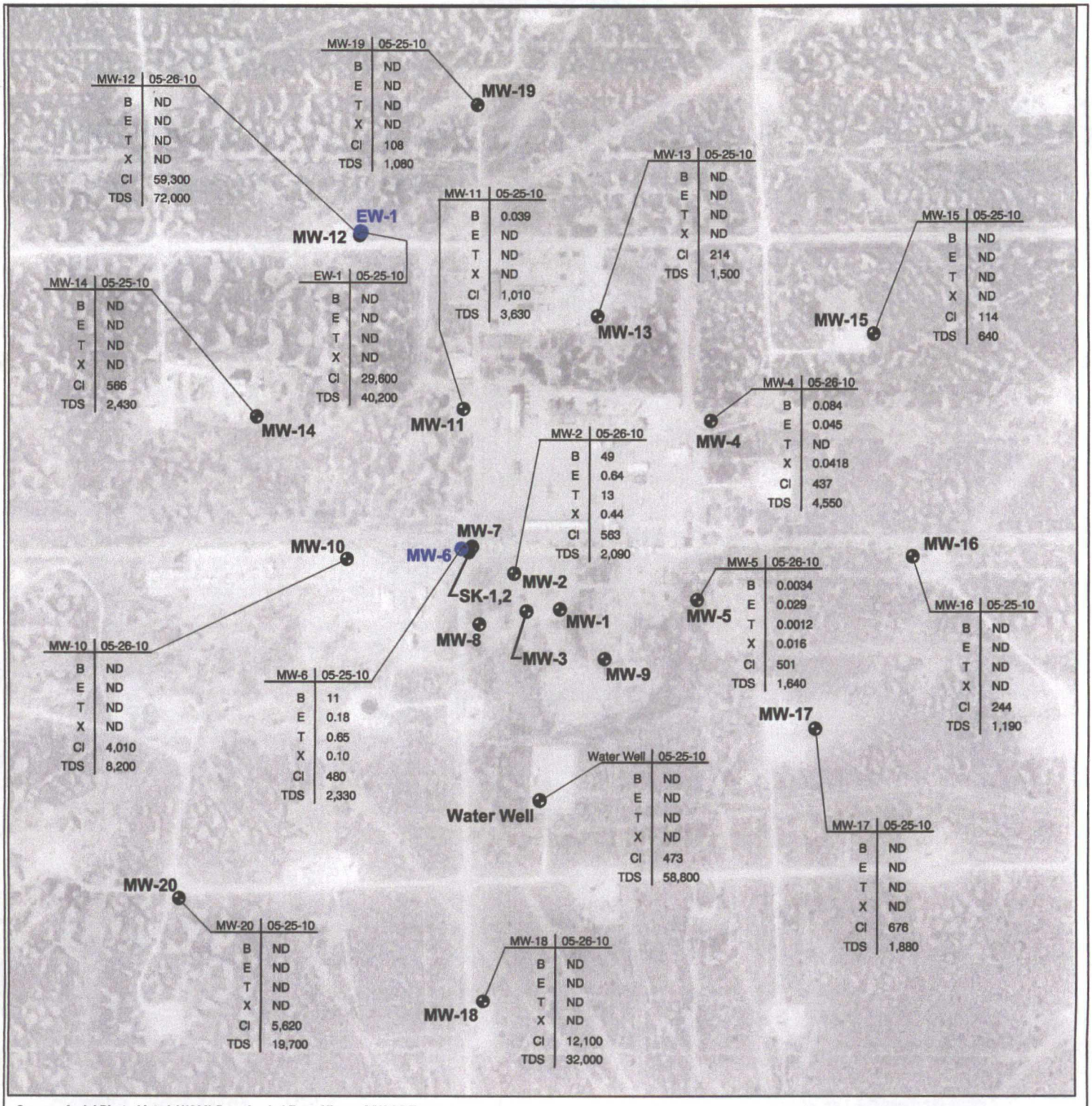
MW-18	Monitoring Well Location
EW-1	Extraction Well Location
(5.52)	LPH Thickness (feet)
3	LPH Thickness Contour

0 600 1200

SCALE (feet)

N

FIGURE 3d	LIQUID PHASE HYDROCARBON (LPH) THICKNESS CONTOUR MAP MAY 24, 2010
ConocoPhillips	TETRA TECH, INC.
MALJAMAR GAS PLANT Lea County, New Mexico Sec 21 T17S R32E	PROJECT NO. 114-6400486 DRAWING BY: GWP DRAWING DATE: 06/29/11 *ACAD File: Maljamar.Site Base Map 2010.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

0 600 1200
SCALE (feet)

N

FIGURE 4

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS MAY 25-26, 2010

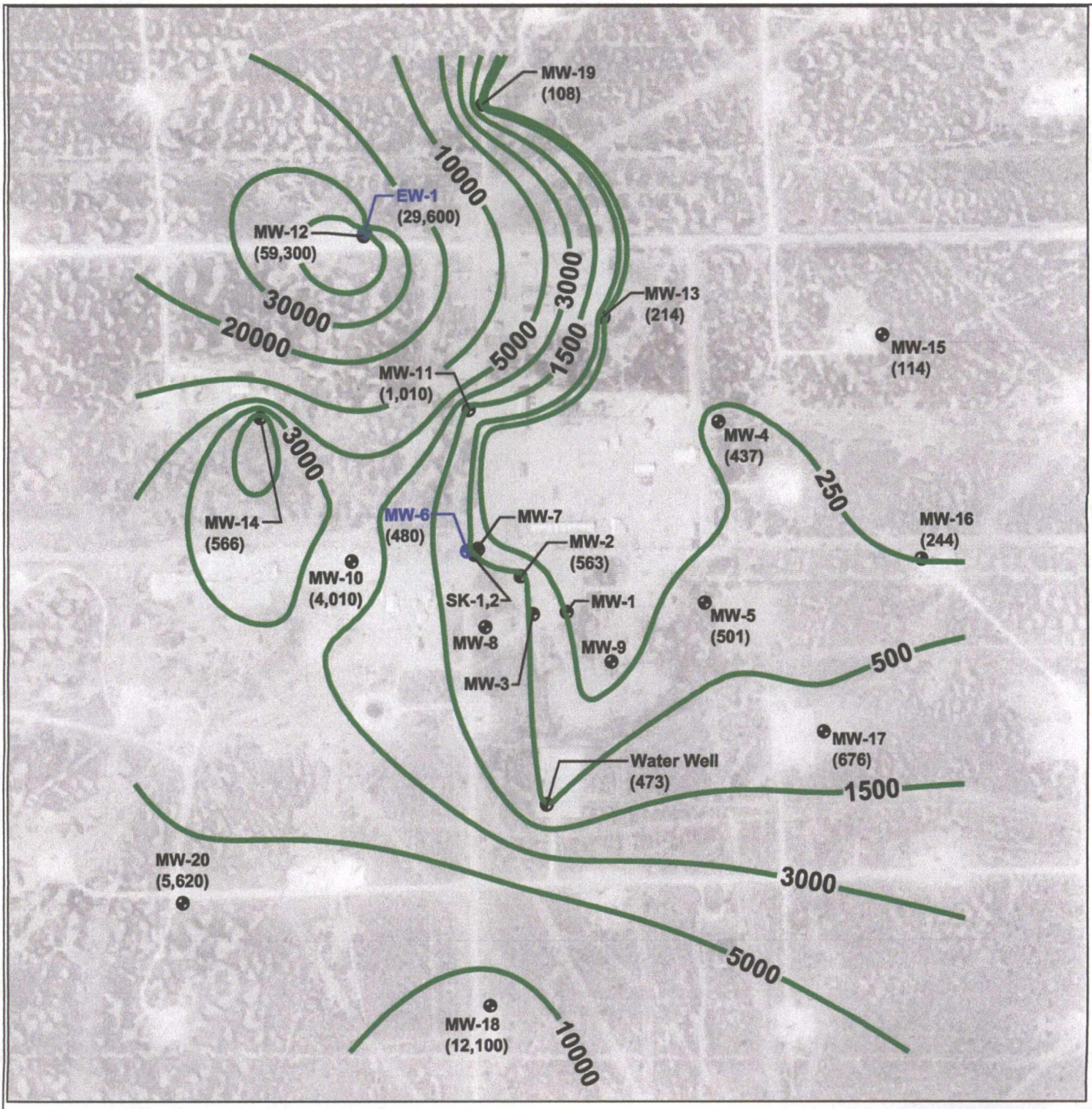
ConocoPhillips

TETRA TECH, INC.

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

PROJECT NO. 114-6400486
DRAWING BY: GWP
DRAWING DATE: 06/29/11

ACAD File: Maljamar.Site Base Map 2010.dwg



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

LEGEND

MW-18	Monitoring Well Location
EW-1	Extraction Well Location
(5,620)	Chloride Concentration (mg/L)
3000	Chloride Concentration Contour

0 600 1200

SCALE (feet)

N

Notes: Groundwater Analytical Data Collected May 25-26, 2010
mg/L = milligrams per liter

FIGURE 5	CHLORIDE CONCENTRATION ISOPLETH MAP MAY 2010
ConocoPhillips	TETRA TECH, INC.
MALJAMAR GAS PLANT Lea County, New Mexico Sec 21 T17S R32E	PROJECT NO. 114-6400486 DRAWING BY: GWP DRAWING DATE: 06/29/11 *ACAD File: Maljamar.Site Base Map 2010.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	06/21/2000
MW-2	32.81250	-103.77244	4005.12	98	0-67	76.32		67-97	0.010	2	09/28/2000
MW-3	32.81206	-103.77228	4001.94	98	0-68	76.94		68-98	0.010	2	09/28/2000
MW-4	32.81425	-103.76967	4016.20	110	0-80	94.88		80-110	0.010	2	05/22/2001
MW-5	32.81217	-103.76989	4009.42	100	0-70	90.20		70-100	0.010	2	05/22/2001
MW-6*	32.81282	-103.77315	4005.23	105	0-105			70-100	0.010	6	03/31/2004
MW-7*	32.81281	-103.77308	4002.95	100	0-70	81.58	75.38	70-100	0.010	2	05/23/2001
MW-8	32.81192	-103.77294	4000.72	100	0-70	76.10		70-100	0.010	2	05/23/2001
MW-9	32.81150	-103.77119	4003.11	100	0-70	83.63		70-100	0.010	2	05/23/2001
MW-10	32.81269	-103.77478	4000.47	97	0-74	73.39		74-94	0.010	2	12/05/2001
MW-11	32.81442	-103.77314	4015.54	120	0-98	83.46		98-118	0.010	2	12/04/2001
MW-12*	32.81646	-103.77455	4022.53	120	0-99	94.39		99-119	0.010	2	12/04/2001
MW-13	32.81547	-103.77128	4031.96	127	0-105	106.68		105-125	0.010	2	12/03/2001
MW-14	32.81436	-103.77603	4006.98	120	0-80	75.00		80-100	0.010	4	03/20/2002
MW-15	32.81523	-103.76737	4026.75	130	0-99	113.50		99-129	0.010	2	09/17/2002
MW-16	32.81264	-103.76686	4017.74	130	0-98	113.50		98-128	0.010	2	09/17/2002
MW-17	32.81066	-103.76825	3998.58	100	0-79	97.36		79-99	0.010	2	09/17/2002
MW-18	32.80754	-103.77293	3980.46	110	0-87	85.91		87-107	0.010	2	09/17/2002
MW-19	32.81796	-103.77289	4037.34	120	0-98	117.23		98-118	0.010	2	09/17/2002
MW-20*	32.80878	-103.77718	3977.52	120	0-80	75.90		80-100	0.010	2	09/18/2002
SK-1*	32.81280	-103.77309	4005.60	105	0-85	74.07		85-105	0.010	4	03/21/2002
SK-2*	32.81278	-103.77309	4004.99	89.5	0-69	72.89		69-89	0.010	4	12/18/2002
EW-1	32.81650	-103.77452	4022.04	125	0-95	92.58		95-125	0.020	6	05/15/2007

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

* Wells re-surveyed for location and elevation of top of casing on 12/21/07
** Section 21, T-17-S, R-32-E, New Mexico Principal Meridian
*** Schedule 40 PVC

Table 2
Water Level Measurements
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
	09/07/06	4002.24	81.83	80.93	0.90	0.72	81.11	3921.13
	10/11/06	4002.24	81.77	80.89	0.88	0.70	81.07	3921.17
	11/08/06	4002.24	81.65	80.79	0.86	0.69	80.96	3921.28
	12/04/06	4002.24	82.08	81.23	0.85	0.68	81.40	3920.84
	01/04/07	4002.24	81.51	80.68	0.83	0.66	80.85	3921.39
	02/27/07	4002.24	81.35	80.48	0.87	0.70	80.65	3921.59
	03/20/07	4002.24	81.48	80.61	0.87	0.70	80.78	3921.46
	04/17/07	4000.24	81.31	80.47	0.84	0.67	80.64	3919.60
	05/07/07	4001.24	81.43	80.54	0.89	0.71	80.72	3920.52
	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
	01/20/10	4002.24	82.83	77.47	5.36	4.29	78.54	3923.70
	02/09/10	4002.24	83.33	77.78	5.55	4.44	78.89	3923.35
	03/09/10	4002.24	82.99	77.55	5.44	4.35	78.64	3923.60
	04/12/10	4002.24	83.30	77.78	5.52	4.42	78.88	3923.36
	05/24/10	4002.24	83.17	77.65	5.52	4.42	78.75	3923.49
	06/14/10	4002.24	83.29	77.87	5.42	4.34	78.95	3923.29
	07/20/10	4002.24	83.37	77.82	5.55	4.44	78.93	3923.31
	08/10/10	4002.24	85.43	79.86	5.57	4.46	80.97	3921.27
	08/11/10	4002.24	79.07	79.05	0.02	0.02	79.05	3923.19
	08/18/10	4002.24	81.16	81.07	0.09	0.07	81.09	3921.15
	09/21/10	4002.24	78.98	78.89	0.09	0.07	78.91	3923.33
	09/28/10	4002.24	78.07	77.96	0.11	0.09	77.98	3924.26
	11/08/10	4002.24	79.03	78.91	0.12	0.10	78.93	3923.31
	12/07/10	4002.24	79.08	78.95	0.13	0.10	78.98	3923.26
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

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.	12/30/05	4005.12	79.71		0.00	0.00	79.71	3925.41
	01/17/05	4005.12	79.85		0.00	0.00	79.85	3925.27
	03/09/05	4005.12	80.00		0.00	0.00	80.00	3925.12
	04/05/05	4005.12	79.72		0.00	0.00	79.72	3925.40
	05/10/05	4005.12	79.77		0.00	0.00	79.77	3925.35
	06/08/05	4005.12	79.83		0.00	0.00	79.83	3925.29
	07/05/05	4005.12	80.13		0.00	0.00	80.13	3924.99
	08/08/05	4005.12	80.03		0.00	0.00	80.03	3925.09
	09/14/05	4005.12	79.69		0.00	0.00	79.69	3925.43
	10/12/05	4005.12	79.59	79.59	0.00	0.00	79.59	3925.53
	11/09/05	4005.12	79.58		0.00	0.00	79.58	3925.54
	12/14/05	4005.12	79.58		0.00	0.00	79.58	3925.54
	01/12/06	4005.12	79.21		0.00	0.00	79.21	3925.91
	02/02/06	4005.12	79.22		0.00	0.00	79.22	3925.90
	03/07/06	4005.12	79.71		0.00	0.00	79.71	3925.41
	04/05/06	4005.12	79.91	79.90	0.01	0.01	79.90	3925.22
	05/08/06	4005.12	79.62	79.62	0.00	0.00	79.62	3925.50
	06/05/06	4005.12	79.64		0.00	0.00	79.64	3925.48
	07/11/06	4005.12	79.56	79.56	0.00	0.00	79.56	3925.56
	08/16/06	4005.12	79.11		0.00	0.00	79.11	3926.01
	09/07/06	4005.12	79.15		0.00	0.00	79.15	3925.97
	10/11/06	4005.12	79.22	79.21	0.01	0.01	79.21	3925.91
	11/08/06	4005.12	79.04	79.04	0.00	0.00	79.04	3926.08
	12/04/06	4005.12	79.68	79.68	0.00	0.00	79.68	3925.44
	01/04/07	4005.12	78.79		0.00	0.00	78.79	3926.33
	02/27/07	4005.12	78.78	78.77	0.01	0.01	78.77	3926.35
	03/20/07	4005.12	79.31	79.30	0.01	0.01	79.30	3925.82
	04/17/07	4005.12	79.40	79.39	0.01	0.01	79.39	3925.73
	05/07/07	4005.12	79.30	79.30	0.00	0.00	79.30	3925.82
	06/27/07	4005.12	78.98		0.00	0.00	78.98	3926.14
	07/19/07	4005.12	78.85		0.00	0.00	78.85	3926.27
	08/21/07	4005.12	78.71		0.00	0.00	78.71	3926.41
	09/17/07	4005.12	78.72		0.00	0.00	78.72	3926.40
	10/16/07	4005.12	78.61		0.00	0.00	78.61	3926.51
	11/20/07	4005.12	78.67		0.00	0.00	78.67	3926.45
	12/21/07	4005.12	78.47		0.00	0.00	78.47	3926.65
	01/22/08	4005.12	78.78		0.00	0.00	78.78	3926.34
	02/27/08	4005.12	78.35		0.00	0.00	78.35	3926.77
	03/25/08	4005.12	78.40		0.00	0.00	78.40	3926.72
	04/29/08	4005.12	78.48		0.00	0.00	78.48	3926.64
	05/05/08	4005.12	78.41		0.00	0.00	78.41	3926.71
	06/10/08	4005.12	78.42		0.00	0.00	78.42	3926.70
	07/15/08	4005.12	78.36		0.00	0.00	78.36	3926.76
	08/19/08	4005.12	77.95		0.00	0.00	77.95	3927.17
	09/16/08	4005.12	78.09		0.00	0.00	78.09	3927.03
	10/15/08	4005.12	77.99		0.00	0.00	77.99	3927.13
	11/12/08	4005.12	77.74		0.00	0.00	77.74	3927.38
	12/11/08	4005.12	78.14		0.00	0.00	78.14	3926.98
	01/13/09	4005.12	78.43		0.00	0.00	78.43	3926.69
	02/11/09	4005.12	78.03		0.00	0.00	78.03	3927.09
	03/10/09	4005.12	77.90		0.00	0.00	77.90	3927.22
	04/13/09	4005.12	78.03		0.00	0.00	78.03	3927.09
	05/01/09	4005.12	77.89		0.00	0.00	77.89	3927.23
	06/08/09	4005.12	77.77		0.00	0.00	77.77	3927.35
	07/13/09	4005.12	77.81		0.00	0.00	77.81	3927.31
	08/10/09	4005.12	77.86		0.00	0.00	77.86	3927.26
	09/15/09	4005.12	77.70		0.00	0.00	77.70	3927.42
	10/06/09	4005.12	77.58		0.00	0.00	77.58	3927.54
	11/09/09	4005.12	77.83		0.00	0.00	77.83	3927.29
	12/23/09	4005.12	77.35		0.00	0.00	77.35	3927.77
	01/20/10	4005.12	77.29		0.00	0.00	77.29	3927.83
	02/09/10	4005.12	77.87		0.00	0.00	77.87	3927.25
	03/09/10	4005.12	77.52		0.00	0.00	77.52	3927.60

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.	04/12/10	4005.12	77.86		0.00	0.00	77.86	3927.26
	05/24/10	4005.12	77.62		0.00	0.00	77.62	3927.50
	05/14/10	4005.12	77.79		0.00	0.00	77.79	3927.33
	07/20/10	4005.12	77.84		0.00	0.00	77.84	3927.28
	08/11/10	4005.12	77.83		0.00	0.00	77.83	3927.29
	09/21/10	4005.12	77.75		0.00	0.00	77.75	3927.37
	11/08/10	4005.12	77.77		0.00	0.00	77.77	3927.35
	12/07/10	4005.12	77.92		0.00	0.00	77.92	3927.20
MW-3	02/06/02	4001.94	79.30	77.13	2.17	1.74	77.56	3924.38
	02/13/02	4001.94	79.62	77.71	1.91	1.53	78.09	3923.85
	03/22/02	4001.94	78.05	77.80	0.25	0.20	77.85	3924.09
	09/16/02	4001.94	78.18	78.14	0.04	0.03	78.15	3923.79
	09/20/02	4001.94	77.98	77.98	0.00	0.00	77.98	3923.96
	09/04/03	4001.94	79.29	78.91	0.38	0.30	78.99	3922.95
	04/05/04	4001.94	79.10	79.04	0.06	0.05	79.05	3922.89
	05/17/04	4001.94	79.46	79.08	0.38	0.30	79.16	3922.78
	05/24/04	4001.94	79.41	79.05	0.36	0.29	79.12	3922.82
	06/01/04	4001.94	79.58	79.17	0.41	0.33	79.25	3922.69
	06/07/04	4001.94	79.50	79.12	0.38	0.30	79.20	3922.74
	06/15/04	4001.94	79.68	79.24	0.44	0.35	79.33	3922.61
	06/21/04	4001.94	79.65	79.24	0.41	0.33	79.32	3922.62
	06/28/04	4001.94	80.04	79.53	0.51	0.41	79.63	3922.31
	07/06/04	4001.94	79.87	79.40	0.47	0.38	79.49	3922.45
	07/12/04	4001.94	80.00	79.49	0.51	0.41	79.59	3922.35
	07/19/04	4001.94	79.94	79.46	0.48	0.38	79.56	3922.38
	07/26/04	4001.94	80.18	79.65	0.53	0.42	79.76	3922.18
	08/02/04	4001.94	80.01	79.52	0.49	0.39	79.62	3922.32
	08/10/04	4001.94	80.12	79.59	0.53	0.42	79.70	3922.24
	08/16/04	4001.94	80.16	79.62	0.54	0.43	79.73	3922.21
	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
	12/30/05	4001.94	80.13	79.71	0.42	0.34	79.79	3922.15
	01/17/05	4001.94	80.57	79.00	1.57	1.26	79.31	3922.63
	03/09/05	4001.94	80.50	80.00	0.50	0.40	80.10	3921.84
	04/05/05	4001.94	80.14	79.79	0.35	0.28	79.86	3922.08
	05/10/05	4001.94	80.23	79.84	0.39	0.31	79.92	3922.02
	06/08/05	4001.94	80.34	79.91	0.43	0.34	80.00	3921.94
	07/05/05	4001.94	80.69	80.15	0.54	0.43	80.26	3921.68
	08/08/05	4001.94	80.57	80.07	0.50	0.40	80.17	3921.77
	09/14/05	4001.94	80.39	79.96	0.43	0.34	80.05	3921.89
	10/12/05	4001.94	80.47	80.04	0.43	0.34	80.13	3921.81
	11/09/05	4001.94	80.46	80.06	0.40	0.32	80.14	3921.80
	12/14/05	4001.94	80.23	79.90	0.33	0.26	79.97	3921.97
	01/12/06	4001.94	79.99	79.72	0.27	0.22	79.77	3922.17
	02/02/06	4001.94	79.93	79.70	0.23	0.18	79.75	3922.19
	03/07/06	4001.94	80.24	79.90	0.34	0.27	79.97	3921.97
	04/05/06	4001.94	80.25	79.91	0.34	0.27	79.98	3921.96
	05/08/06	4001.94	80.10	79.83	0.27	0.22	79.88	3922.06
	06/05/06	4001.94	80.15	79.86	0.29	0.23	79.92	3922.02
	07/11/06	4001.94	80.10	79.85	0.25	0.20	79.90	3922.04
	08/16/06	4001.94	79.99	79.80	0.19	0.15	79.84	3922.10
	09/07/06	4001.94	79.64		0.00	0.00	79.64	3922.30
	10/11/06	4001.94	79.84	79.64	0.20	0.16	79.68	3922.26
	11/08/06	4001.94	79.66	79.51	0.15	0.12	79.54	3922.40
	12/04/06	4001.94	80.32	80.01	0.31	0.25	80.07	3921.87
	01/04/07	4001.94	79.39	79.39	0.00	0.00	79.39	3922.55
	02/27/07	4001.94	79.49	79.34	0.15	0.12	79.37	3922.57
	03/20/07	4001.94	79.74	79.56	0.18	0.14	79.60	3922.34
	04/17/07	4001.94	79.66	79.47	0.19	0.15	79.51	3922.43
	05/07/07	4001.94	79.63		0.00	0.00	79.63	3922.31
	06/27/07	4001.94	79.58	79.41	0.17	0.14	79.44	3922.50

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.	07/19/07	4001.94	79.25	79.25	0.00	0.00	79.25	3922.69
	08/21/07	4001.94	79.30	79.18	0.12	0.10	79.20	3922.74
	09/17/07	4001.94	79.32	79.18	0.14	0.11	79.21	3922.73
	10/16/07	4001.94	79.26	79.15	0.11	0.09	79.17	3922.77
	11/20/07	4001.94	79.25	79.17	0.08	0.06	79.19	3922.75
	12/21/07	4001.94	79.00		0.00	0.00	79.00	3922.94
	01/22/08	4001.94	79.32	79.30	0.02	0.02	79.30	3922.64
	02/27/08	4001.94	79.20	79.15	0.05	0.04	79.16	3922.78
	03/25/08	4001.94	79.00	78.95	0.05	0.04	78.96	3922.98
	04/29/08	4001.94	79.00	78.98	0.02	0.02	78.98	3922.96
	05/05/08	4001.94	78.94	78.92	0.02	0.02	78.92	3923.02
	06/10/08	4001.94	78.89	78.87	0.02	0.02	78.87	3923.07
	07/15/08	4001.94	78.82	78.80	0.02	0.02	78.80	3923.14
	08/19/08	4001.94	78.64		0.00	0.00	78.64	3923.30
	09/16/08	4001.94	78.92	78.83	0.09	0.07	78.85	3923.09
	10/15/08	4001.94	78.85	78.67	0.18	0.14	78.71	3923.23
	11/12/08	4001.94	78.54	78.36	0.18	0.14	78.40	3923.54
	12/11/08	4001.94	78.80	78.56	0.24	0.19	78.61	3923.33
	01/19/09	4001.94	78.97	78.74	0.23	0.18	78.79	3923.15
	02/11/09	4001.94	78.56	78.39	0.17	0.14	78.42	3923.52
	03/10/09	4001.94	78.36	78.28	0.08	0.06	78.30	3923.64
	04/13/09	4001.94	78.48	78.34	0.14	0.11	78.37	3923.57
	05/01/09	4001.94	78.28	78.20	0.08	0.06	78.22	3923.72
	06/08/09	4001.94	78.11	78.07	0.04	0.03	78.08	3923.86
	07/13/09	4001.94	78.26	78.13	0.13	0.10	78.16	3923.78
	08/10/09	4001.94	78.22	78.12	0.10	0.08	78.14	3923.80
	09/15/09	4001.94	78.08	77.95	0.13	0.10	77.98	3923.96
	10/06/09	4001.94	77.96	77.87	0.09	0.07	77.89	3924.05
	11/09/09	4001.94	78.17	78.05	0.12	0.10	78.07	3923.87
	12/23/09	4001.94	77.62	77.60	0.02	0.02	77.60	3924.34
	01/20/10	4001.94	77.57	77.55	0.02	0.02	77.55	3924.39
	02/09/10	4001.94	78.20	78.09	0.11	0.09	78.11	3923.83
	03/09/10	4001.94	77.76	77.74	0.02	0.02	77.74	3924.20
	04/12/10	4001.94	78.09	78.00	0.09	0.07	78.02	3923.92
	05/24/10	4001.94	77.85	77.82	0.03	0.02	77.83	3924.11
	06/14/10	4001.94	78.02	77.97	0.05	0.04	77.98	3923.96
	07/20/10	4001.94	78.08	78.03	0.05	0.04	78.04	3923.90
	08/11/10	4001.94	78.11	78.05	0.06	0.05	78.06	3923.88
	09/21/10	4001.94	77.98	77.95	0.03	0.02	77.96	3923.98
	10/20/10	4001.94	78.11	78.06	0.05	0.04	78.07	3923.87
	11/08/10	4001.94	77.96	77.95	0.01	0.01	77.95	3923.99
	12/07/10	4001.94	78.07	78.05	0.02	0.02	78.05	3923.89
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

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.	08/16/04	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
	12/30/05	4016.20	96.65		0.00	0.00	96.65	3919.55
	01/17/05	4016.20	97.03		0.00	0.00	97.03	3919.17
	02/09/05	4016.20	96.94		0.00	0.00	96.94	3919.26
	03/09/05	4016.20	96.96		0.00	0.00	96.96	3919.24
	04/05/05	4016.20	96.71		0.00	0.00	96.71	3919.49
	05/10/05	4016.20	96.75		0.00	0.00	96.75	3919.45
	06/08/05	4016.20	96.85		0.00	0.00	96.85	3919.35
	07/05/05	4016.20	97.08		0.00	0.00	97.08	3919.12
	08/08/05	4016.20	96.97		0.00	0.00	96.97	3919.23
	09/14/05	4016.20	96.94		0.00	0.00	96.94	3919.26
	10/12/05	4016.20	97.07		0.00	0.00	97.07	3919.13
	11/09/05	4016.20	97.14		0.00	0.00	97.14	3919.06
	12/14/05	4016.20	97.03		0.00	0.00	97.03	3919.17
	01/12/06	4016.20	96.91		0.00	0.00	96.91	3919.29
	02/02/06	4016.20	96.91		0.00	0.00	96.91	3919.29
	03/07/06	4016.20	97.04		0.00	0.00	97.04	3919.16
	04/05/06	4016.20	96.99		0.00	0.00	96.99	3919.21
	05/08/06	4016.20	96.95		0.00	0.00	96.95	3919.25
	06/05/06	4016.20	97.05		0.00	0.00	97.05	3919.15
	07/11/06	4016.20	97.09		0.00	0.00	97.09	3919.11
	08/16/06	4016.20	97.16		0.00	0.00	97.16	3919.04
	09/07/06	4016.20	97.08		0.00	0.00	97.08	3919.12
	10/11/06	4016.20	97.10		0.00	0.00	97.10	3919.10
	11/08/06	4016.20	97.00		0.00	0.00	97.00	3919.20
	12/04/06	4016.20	97.48		0.00	0.00	97.48	3918.72
	01/04/07	4016.20	96.97		0.00	0.00	96.97	3919.23
	02/27/07	4016.20	97.03		0.00	0.00	97.03	3919.17
	03/20/07	4016.20	97.18		0.00	0.00	97.18	3919.02
	04/17/07	4016.20	97.02		0.00	0.00	97.02	3919.18
	05/07/07	4016.20	97.20		0.00	0.00	97.20	3919.00
	06/27/07	4016.20	97.09		0.00	0.00	97.09	3919.11
	07/19/07	4016.20	97.02		0.00	0.00	97.02	3919.18
	08/21/07	4016.20	96.95		0.00	0.00	96.95	3919.25
	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

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.	10/06/09	4016.20	96.51		0.00	0.00	96.51	3919.69
	11/09/09	4016.20	96.63		0.00	0.00	96.63	3919.57
	12/23/09	4016.20	96.25		0.00	0.00	96.25	3919.95
	01/20/10	4016.20	96.20		0.00	0.00	96.20	3920.00
	02/09/10	4016.20	96.61		0.00	0.00	96.61	3919.59
	03/09/10	4016.20	96.33		0.00	0.00	96.33	3919.87
	04/12/10	4016.20	96.51		0.00	0.00	96.51	3919.69
	05/24/10	4016.20	96.33		0.00	0.00	96.33	3919.87
	06/14/10	4016.20	96.40		0.00	0.00	96.40	3919.80
	07/20/10	4016.20	96.43		0.00	0.00	96.43	3919.77
	08/11/10	4016.20	92.46		0.00	0.00	92.46	3923.74
	09/21/10	4016.20	96.32		0.00	0.00	96.32	3919.88
	10/20/10	4016.20	96.45		0.00	0.00	96.45	3919.75
	11/08/10	4016.20	96.33		0.00	0.00	96.33	3919.87
	12/07/10	4016.20	96.36		0.00	0.00	96.36	3919.84
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
	12/30/05	4009.42	92.41	92.34	0.07	0.06	92.35	3917.07
	01/17/05	4009.42	92.65	92.57	0.08	0.06	92.59	3916.83
	02/09/05	4009.42	92.61	92.57	0.04	0.03	92.58	3916.84
	03/09/05	4009.42	92.65	92.63	0.02	0.02	92.63	3916.79
	04/05/05	4009.42	92.38		0.00	0.00	92.38	3917.04
	05/10/05	4009.42	92.40		0.00	0.00	92.40	3917.02
	06/08/05	4009.42	92.54		0.00	0.00	92.54	3916.88
	07/05/05	4009.42	92.78		0.00	0.00	92.78	3916.64
	08/08/05	4009.42	92.65		0.00	0.00	92.65	3916.77
	09/14/05	4009.42	92.61	92.61	0.00	0.00	92.61	3916.81
	10/12/05	4009.42	92.70		0.00	0.00	92.70	3916.72
	11/09/05	4009.42	92.75		0.00	0.00	92.75	3916.67
	12/14/05	4009.42	92.56		0.00	0.00	92.56	3916.86
	01/12/06	4009.42	92.38		0.00	0.00	92.38	3917.04
	02/02/06	4009.42	92.38	92.38	0.00	0.00	92.38	3917.04
	03/07/06	4009.42	92.43		0.00	0.00	92.43	3916.99
	04/05/06	4009.42	92.32		0.00	0.00	92.32	3917.10
	05/08/06	4009.42	92.26		0.00	0.00	92.26	3917.16
	06/05/06	4009.42	92.30	92.30	0.00	0.00	92.30	3917.12
	07/11/06	4009.42	92.33	92.33	0.00	0.00	92.33	3917.09
	08/16/06	4009.42	92.41		0.00	0.00	92.41	3917.01
	09/07/06	4009.42	92.83		0.00	0.00	92.83	3916.59
	10/11/06	4009.42	92.36	92.36	0.00	0.00	92.36	3917.06

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.	11/08/06	4009.42	92.25	92.24	0.01	0.01	92.24	3917.18
	12/04/06	4009.42	92.75	92.75	0.00	0.00	92.75	3916.67
	01/04/07	4009.42	92.26		0.00	0.00	92.26	3917.16
	02/27/07	4009.42	92.35	92.35	0.00	0.00	92.35	3917.07
	03/20/07	4009.42	92.51	92.51	0.00	0.00	92.51	3916.91
	04/17/07	4009.42	92.32	92.32	0.00	0.00	92.32	3917.10
	05/07/07	4009.42	92.56	92.56	0.00	0.00	92.56	3916.86
	06/27/07	4009.42	92.39		0.00	0.00	92.39	3917.03
	07/17/07	4009.42	92.32		0.00	0.00	92.32	3917.10
	08/21/07	4009.42	92.24		0.00	0.00	92.24	3917.18
	09/17/07	4009.42	92.26		0.00	0.00	92.26	3917.16
	10/16/07	4009.42	92.23		0.00	0.00	92.23	3917.19
	11/20/07	4009.42	92.28		0.00	0.00	92.28	3917.14
	12/21/07	4009.42	92.21		0.00	0.00	92.21	3917.21
	01/22/08	4009.42	91.88		0.00	0.00	91.88	3917.54
	02/27/08	4009.42	92.36		0.00	0.00	92.36	3917.06
	03/25/08	4009.42	92.20		0.00	0.00	92.20	3917.22
	04/29/08	4009.42	92.11		0.00	0.00	92.11	3917.31
	05/05/08	4009.42	92.08		0.00	0.00	92.08	3917.34
	06/10/08	4009.42	92.22	91.98	0.24	0.19	92.03	3917.39
	07/15/08	4009.42	92.11	91.88	0.23	0.18	91.93	3917.49
	08/19/08	4009.42	92.00	91.81	0.19	0.15	91.85	3917.57
	09/16/08	4009.42	92.15	91.95	0.20	0.16	91.99	3917.43
	10/15/08	4009.42	92.03	91.85	0.18	0.14	91.89	3917.53
	11/12/08	4009.42	91.76	91.64	0.12	0.10	91.66	3917.76
	12/11/08	4009.42	91.78	91.75	0.03	0.02	91.76	3917.66
	01/13/09	4009.42	91.98	91.86	0.12	0.10	91.88	3917.54
	02/11/09	4009.42	91.71	91.65	0.06	0.05	91.66	3917.76
	03/10/09	4009.42	91.50	91.46	0.04	0.03	91.47	3917.95
	04/13/09	4009.42	91.52		0.00	0.00	91.52	3917.90
	05/01/09	4009.42	91.35		0.00	0.00	91.35	3918.07
	06/08/09	4009.42	91.21		0.00	0.00	91.21	3918.21
	07/13/09	4009.42	91.26		0.00	0.00	91.26	3918.16
	08/10/09	4009.42	91.30		0.00	0.00	91.30	3918.12
	09/15/09	4009.42	91.15		0.00	0.00	91.15	3918.27
	10/06/09	4009.42	91.15		0.00	0.00	91.15	3918.27
	11/09/09	4009.42	91.35		0.00	0.00	91.35	3918.07
	12/23/09	4009.42	90.89		0.00	0.00	90.89	3918.53
	01/20/10	4009.42	90.87		0.00	0.00	90.87	3918.55
	02/09/10	4009.42	91.45		0.00	0.00	91.45	3917.97
	03/09/10	4009.42	91.04		0.00	0.00	91.04	3918.38
	04/12/10	4009.42	91.32		0.00	0.00	91.32	3918.10
	05/24/10	4009.42	91.18		0.00	0.00	91.18	3918.24
	06/14/10	4009.42	91.25	91.24	0.01	0.01	91.24	3918.18
	07/20/10	4009.42	91.31	91.30	0.01	0.01	91.30	3918.12
	08/11/10	4009.42	91.38	91.36	0.02	0.02	91.36	3918.06
	09/21/10	4009.42	91.24		0.00	0.00	91.24	3918.18
	11/08/10	4009.42	91.27		0.00	0.00	91.27	3918.15
	12/07/10	4009.42	91.38		0.00	0.00	91.38	3918.04
MW-7	05/24/01	4002.94	75.38		0.00	0.00	75.38	3927.56
	02/06/02	4002.94	76.62	69.86	6.76	5.41	71.21	3931.73
	02/20/02	4002.94	76.16	69.92	6.24	4.99	71.17	3931.77
	02/28/02	4002.94	75.74	69.89	5.85	4.68	71.06	3931.88
	03/22/02	4002.94	76.40	70.07	6.33	5.06	71.34	3931.60
	09/16/02	4002.94	76.56	70.51	6.05	4.84	71.72	3931.22
	09/20/02	4002.94	76.08	70.23	5.85	4.68	71.40	3931.54
	12/20/02	4002.94	75.09	70.98	4.11	3.29	71.80	3931.14
	01/21/03	4002.94	75.43	71.11	4.32	3.46	71.97	3930.97
	01/22/03	4002.94	75.44	70.97	4.47	3.58	71.86	3931.08
	01/29/03	4002.94	75.47	71.04	4.43	3.54	71.93	3931.01
	02/10/03	4002.94	75.53	71.00	4.53	3.62	71.91	3931.03
	02/17/03	4002.94	75.40	70.92	4.48	3.58	71.82	3931.12
	03/20/03	4002.94	75.51	70.91	4.60	3.68	71.83	3931.11

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.	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
	12/30/05	4002.94	81.78	74.50	7.28	5.82	75.96	3926.98
	01/17/05	4002.94	77.57	74.56	3.01	2.41	75.16	3927.78
	02/09/05	4002.94	78.77	75.46	3.31	2.65	76.12	3926.82
	03/09/05	4002.94	78.68	75.41	3.27	2.62	76.06	3926.88
	04/05/05	4002.94	78.36	75.12	3.24	2.59	75.77	3927.17
	05/10/05	4002.94	78.19	75.02	3.17	2.54	75.65	3927.29
	06/08/05	4002.94	76.62	75.67	0.95	0.76	75.86	3927.08
	07/05/05	4002.94	76.88	75.77	1.11	0.89	75.99	3926.95
	08/08/05	4002.94	76.63	75.64	0.99	0.79	75.84	3927.10
	09/14/05	4002.94	75.05	73.91	1.14	0.91	74.14	3928.80
	10/12/05	4002.94	76.10	73.28	2.82	2.26	73.84	3929.10
	11/09/05	4002.94	75.99	73.21	2.78	2.22	73.77	3929.17
	12/14/05	4002.94	76.19	73.46	2.73	2.18	74.01	3928.93
	01/12/06	4002.94	75.34	72.93	2.41	1.93	73.41	3929.53
	02/02/06	4002.94	77.39	73.33	4.06	3.25	74.14	3928.80
	03/07/06	4002.94	75.82	74.50	1.32	1.06	74.76	3928.18
	04/05/06	4002.94	79.32	74.81	4.51	3.61	75.71	3927.23
	05/08/06	4002.94	78.81	74.34	4.47	3.58	75.23	3927.71
	06/05/06	4002.94	78.75	74.18	4.57	3.66	75.09	3927.85
	07/11/06	4002.94	75.31	75.31	0.00	0.00	75.31	3927.63
	08/16/06	4002.94	74.67	72.31	2.36	1.89	72.78	3930.16
	08/30/06	4002.94	74.56	72.58	1.98	1.58	72.98	3929.96
	09/07/06	4002.94	74.83	74.83	0.00	0.00	74.83	3928.11
	10/11/06	4002.94	75.02	74.96	0.06	0.05	74.97	3927.97
	11/08/06	4002.94	74.13		0.00	0.00	74.13	3928.81
	12/04/06	4002.94	75.08	74.83	0.25	0.20	74.88	3928.06
	01/04/07	4002.94	74.22	73.99	0.23	0.18	74.04	3928.90
	02/27/07	4002.94	73.95	73.63	0.32	0.26	73.69	3929.25
	03/20/07	4002.94	76.23	75.83	0.40	0.32	75.91	3927.03
	04/17/07	4002.94	76.96		0.00	0.00	76.96	3925.98
	05/07/07	4002.94	74.76		0.00	0.00	74.76	3928.18
	06/27/07	4002.94	74.71		0.00	0.00	74.71	3928.23
	07/17/07	4002.94	74.56		0.00	0.00	74.56	3928.38

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.	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
	01/20/10	4002.95	77.50	71.91	5.59	4.47	73.03	3929.92
	02/09/10	4002.95	75.92		0.00	0.00	75.92	3927.03
	03/09/10	4002.95	80.35	72.27	8.08	6.46	73.89	3929.06
	04/12/10	4002.95	77.00		0.00	0.00	77.00	3925.95
	05/24/10	4002.95	78.03	71.92	6.11	4.89	73.14	3929.81
	06/14/10	4002.95	77.07	72.71	4.36	3.49	73.58	3929.37
	07/20/10	4002.95	76.39	73.15	3.24	2.59	73.80	3929.15
	08/11/10	4002.95	76.82	73.15	3.67	2.94	73.88	3929.07
	08/18/10	4002.95	76.90	72.91	3.99	3.19	73.71	3929.24
	09/21/10	4002.95	77.56	72.57	4.99	3.99	73.57	3929.38
	09/28/10	4002.95	75.06	73.15	1.91	1.53	73.53	3929.42
	10/20/10	4002.95	74.21	73.65	0.56	0.45	73.76	3929.19
	11/08/10	4002.95	74.95	73.45	1.50	1.20	73.75	3929.20
	12/07/10	4002.95	74.50	74.05	0.45	0.36	74.14	3928.81
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	70.43		0.00	0.00	70.43	3930.29
	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

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.	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
	12/30/05	4000.72	78.91		0.00	0.00	78.91	3921.81
	01/17/05	4000.72	79.27		0.00	0.00	79.27	3921.45
	02/09/05	4000.72	79.15		0.00	0.00	79.15	3921.57
	03/09/05	4000.72	79.18		0.00	0.00	79.18	3921.54
	04/05/05	4000.72	78.84		0.00	0.00	78.84	3921.88
	05/10/05	4000.72	78.87		0.00	0.00	78.87	3921.85
	06/08/05	4000.72	79.11	78.82	0.29	0.23	78.88	3921.84
	07/05/05	4000.72	79.05	79.01	0.04	0.03	79.02	3921.70
	08/08/05	4000.72	79.69	78.82	0.87	0.70	78.99	3921.73
	09/14/05	4000.72	79.69	78.61	1.08	0.86	78.83	3921.89
	10/12/05	4000.72	79.73	78.66	1.07	0.86	78.87	3921.85
	11/09/05	4000.72	79.72	78.72	1.00	0.80	78.92	3921.80
	12/14/05	4000.72	79.47	78.51	0.96	0.77	78.70	3922.02
	01/12/06	4000.72	79.21	78.31	0.90	0.72	78.49	3922.23
	02/02/06	4000.72	79.13	78.27	0.86	0.69	78.44	3922.28
	03/07/06	4000.72	79.29	78.48	0.81	0.65	78.64	3922.08
	04/05/06	4000.72	79.17	78.48	0.69	0.55	78.62	3922.10
	05/08/06	4000.72	79.15	78.40	0.75	0.60	78.55	3922.17
	06/05/06	4000.72	79.22	78.52	0.70	0.56	78.66	3922.06
	07/11/06	4000.72	79.23	78.56	0.67	0.54	78.69	3922.03
	08/16/06	4000.72	79.16	78.54	0.62	0.50	78.66	3922.06
	09/07/06	4000.72	78.96	78.36	0.60	0.48	78.48	3922.24
	10/11/06	4000.72	78.94	78.36	0.58	0.46	78.48	3922.24
	11/08/06	4000.72	78.78	78.20	0.58	0.46	78.32	3922.40
	12/04/06	4000.72	79.37	78.83	0.54	0.43	78.94	3921.78
	01/04/07	4000.72	78.61	78.09	0.52	0.42	78.19	3922.53
	02/27/07	4000.72	78.53	78.05	0.48	0.38	78.15	3922.57
	03/20/07	4000.72	78.79	78.32	0.47	0.38	78.41	3922.31
	04/17/07	4000.72	78.69	78.24	0.45	0.36	78.33	3922.39
	05/07/07	4000.72	78.91	78.46	0.45	0.36	78.55	3922.17
	06/27/07	4000.72	78.73	78.32	0.41	0.33	78.40	3922.32
	07/19/07	4000.72	78.61	78.22	0.39	0.31	78.30	3922.42
	08/21/07	4000.72	78.51	78.13	0.38	0.30	78.21	3922.51
	09/17/07	4000.72	78.53	78.16	0.37	0.30	78.23	3922.49
	10/16/07	4000.72	78.42	78.07	0.35	0.28	78.14	3922.58
	11/20/07	4000.72	78.47	78.14	0.33	0.26	78.21	3922.51
	12/21/07	4000.72	78.24	77.92	0.32	0.26	77.98	3922.74
	01/22/08	4000.72	78.64	78.34	0.30	0.24	78.40	3922.32
	02/27/08	4000.72	78.43	78.14	0.29	0.23	78.20	3922.52
	03/25/08	4000.72	78.22	77.92	0.30	0.24	77.98	3922.74
	04/29/08	4000.72	78.19	77.91	0.28	0.22	77.97	3922.75
	05/05/08	4000.72	78.14	77.87	0.27	0.22	77.92	3922.80
	06/10/08	4000.72	78.11	77.85	0.26	0.21	77.90	3922.82
	07/15/08	4000.72	78.08	77.82	0.26	0.21	77.87	3922.85
	08/19/08	4000.72	77.96	77.71	0.25	0.20	77.76	3922.96
	09/16/08	4000.72	78.18	77.94	0.24	0.19	77.99	3922.73
	10/15/08	4000.72	78.06	77.83	0.23	0.18	77.88	3922.84
	11/12/08	4000.72	77.76	77.54	0.22	0.18	77.58	3923.14
	12/11/08	4000.72	77.98	77.77	0.21	0.17	77.81	3922.91
	01/13/09	4000.72	78.20	78.00	0.20	0.16	78.04	3922.68
	02/11/09	4000.72	77.84	77.66	0.18	0.14	77.70	3923.02
	03/10/09	4000.72	77.64	77.46	0.18	0.14	77.50	3923.22
	04/13/09	4000.72	77.78	77.60	0.18	0.14	77.64	3923.08
	05/01/09	4000.72	77.61	77.44	0.17	0.14	77.47	3923.25
	06/08/09	4000.72	77.49	77.32	0.17	0.14	77.35	3923.37

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.	07/13/09	4000.72	77.61	77.45	0.16	0.13	77.48	3923.24
	08/10/09	4000.72	77.60	77.45	0.15	0.12	77.48	3923.24
	09/15/09	4000.72	77.37	77.22	0.15	0.12	77.25	3923.47
	10/06/09	4000.72	77.25	77.11	0.14	0.11	77.14	3923.58
	11/09/09	4000.72	77.47	77.32	0.15	0.12	77.35	3923.37
	12/23/09	4000.72	76.90	76.78	0.12	0.10	76.80	3923.92
	01/20/10	4000.72	76.84	76.71	0.13	0.10	76.74	3923.98
	02/09/10	4000.72	77.46	77.24	0.22	0.18	77.28	3923.44
	03/09/10	4000.72	77.07	76.94	0.13	0.10	76.97	3923.75
	04/12/10	4000.72	77.40	77.27	0.13	0.10	77.30	3923.42
	05/24/10	4000.72	77.19	77.08	0.11	0.09	77.10	3923.62
	06/14/10	4000.72	77.27	77.22	0.05	0.04	77.23	3923.49
	07/20/10	4000.72	77.40	77.30	0.10	0.08	77.32	3923.40
	08/11/10	4000.72	77.42	77.32	0.10	0.08	77.34	3923.38
	09/21/10	4000.72	77.25	77.16	0.09	0.07	77.18	3923.54
	10/20/10	4000.72	71.38	71.30	0.08	0.06	71.32	3929.40
	11/08/10	4000.72	77.20	77.11	0.09	0.07	77.13	3923.59
	12/07/10	4000.72	77.22	77.14	0.08	0.06	77.16	3923.56
MW-9	05/23/01	4003.11	83.00		0.00	0.00	83.00	3920.11
	05/24/01	4003.11	83.63		0.00	0.00	83.63	3919.48
	06/29/01	4003.11	83.55		0.00	0.00	83.55	3919.56
	12/13/01	4003.11	83.91		0.00	0.00	83.91	3919.20
	03/22/02	4003.11	84.08		0.00	0.00	84.08	3919.03
	09/16/02	4003.11	84.44		0.00	0.00	84.44	3918.67
	09/20/02	4003.11	84.44		0.00	0.00	84.44	3918.67
	04/05/04	4003.11	84.58		0.00	0.00	84.58	3918.53
	05/17/04	4003.11	89.30	84.65	4.65	3.72	85.58	3917.53
	05/24/04	4003.11	89.29	84.57	4.72	3.78	85.51	3917.60
	06/01/04	4003.11	89.31	84.67	4.64	3.71	85.60	3917.51
	06/07/04	4003.11	89.29	84.59	4.70	3.76	85.53	3917.58
	06/15/04	4003.11	89.37	84.70	4.67	3.74	85.63	3917.48
	06/21/04	4003.11	89.38	84.69	4.69	3.75	85.63	3917.48
	06/28/04	4003.11	89.51	84.92	4.59	3.67	85.84	3917.27
	07/06/04	4003.11	89.42	84.83	4.59	3.67	85.75	3917.36
	07/12/04	4003.11	89.51	84.89	4.62	3.70	85.81	3917.30
	07/19/04	4003.11	89.47	84.86	4.61	3.69	85.78	3917.33
	07/26/04	4003.11	89.58	85.00	4.58	3.66	85.92	3917.19
	08/02/04	4003.11	89.44	84.93	4.51	3.61	85.83	3917.28
	08/10/04	4003.11	89.53	85.10	4.43	3.54	85.99	3917.12
	08/16/04	4003.11	89.50	85.03	4.47	3.58	85.92	3917.19
	08/23/04	4003.11	89.27	84.87	4.40	3.52	85.75	3917.36
	08/30/04	4003.11	89.45	85.17	4.28	3.42	86.03	3917.08
	09/08/04	4003.11	89.48	85.12	4.36	3.49	85.99	3917.12
	10/08/04	4003.11	89.39	85.14	4.25	3.40	85.99	3917.12
	12/30/05	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

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.	08/16/06	4003.11	89.66	85.25	4.41	3.53	86.13	3916.98
	09/07/06	4003.11	89.51	85.20	4.31	3.45	86.06	3917.05
	10/11/06	4003.11	88.38	85.24	3.14	2.51	85.87	3917.24
	11/08/06	4003.11	89.26	85.15	4.11	3.29	85.97	3917.14
	12/04/06	4003.11	89.62	85.62	4.00	3.20	86.42	3916.69
	01/04/07	4003.11	89.14	85.18	3.96	3.17	85.97	3917.14
	02/27/07	4003.11	89.12	85.15	3.97	3.18	85.94	3917.17
	03/20/07	4003.11	89.11	85.32	3.79	3.03	86.08	3917.03
	04/17/07	4003.11	89.06	85.19	3.87	3.10	85.96	3917.15
	05/07/07	4003.11	89.15	85.25	3.90	3.12	86.03	3917.08
	06/27/07	4003.11	88.98	85.12	3.86	3.09	85.89	3917.22
	07/19/07	4003.11	89.01	85.04	3.97	3.18	85.83	3917.28
	08/21/07	4003.11	89.00	84.89	4.11	3.29	85.71	3917.40
	09/17/07	4003.11	88.97	84.94	4.03	3.22	85.75	3917.36
	10/16/07	4003.11	89.08	84.76	4.32	3.46	85.62	3917.49
	11/20/07	4003.11	89.10	84.77	4.33	3.46	85.64	3917.47
	12/21/07	4003.11	89.05	84.49	4.56	3.65	85.40	3917.71
	01/22/08	4003.11	89.18	84.79	4.39	3.51	85.67	3917.44
	02/27/08	4003.11	89.27	84.87	4.40	3.52	85.75	3917.36
	03/25/08	4003.11	88.02	84.89	3.13	2.50	85.52	3917.59
	04/29/08	4003.11	88.78	84.68	4.10	3.28	85.50	3917.61
	05/05/08	4003.11	88.88	84.68	4.20	3.36	85.52	3917.59
	06/10/08	4003.11	88.60	84.72	3.88	3.10	85.50	3917.61
	07/15/08	4003.11	88.15	84.50	3.65	2.92	85.23	3917.88
	08/19/08	4003.11	no data					
	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
	01/20/10	4003.11	84.60	84.12	0.48	0.38	84.22	3918.89
	02/09/10	4003.11	85.06	84.66	0.40	0.32	84.74	3918.37
	03/09/10	4003.11	84.60	84.35	0.25	0.20	84.40	3918.71
	04/12/10	4003.11	84.78	84.60	0.18	0.14	84.64	3918.47
	05/24/10	4003.11	84.66	84.47	0.19	0.15	84.51	3918.60
	06/14/10	4003.11	84.64	84.57	0.07	0.06	84.58	3918.53
	07/20/10	4003.11	84.75	84.65	0.10	0.08	84.67	3918.44
	08/11/10	4003.11	84.76	84.58	0.18	0.14	84.62	3918.49
	09/21/10	4003.11	84.60	84.47	0.13	0.10	84.50	3918.61
	11/08/10	4003.11	84.65	84.51	0.14	0.11	84.54	3918.57
	12/07/10	4003.11	84.57		0.00	0.00	84.57	3918.54
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

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.	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
	12/30/05	4000.47	72.53		0.00	0.00	72.53	3927.94
	01/17/05	4000.47	72.86		0.00	0.00	72.86	3927.61
	02/09/05	4000.47	72.82		0.00	0.00	72.82	3927.65
	03/09/05	4000.47	72.86		0.00	0.00	72.86	3927.61
	04/05/05	4000.47	72.57		0.00	0.00	72.57	3927.90
	05/10/05	4000.47	72.63		0.00	0.00	72.63	3927.84
	06/08/05	4000.47	72.74		0.00	0.00	72.74	3927.73
	07/05/05	4000.47	73.01		0.00	0.00	73.01	3927.46
	08/08/05	4000.47	72.92		0.00	0.00	72.92	3927.55
	09/14/05	4000.47	72.86		0.00	0.00	72.86	3927.61
	10/12/05	4000.47	72.97		0.00	0.00	72.97	3927.50
	11/09/05	4000.47	73.04		0.00	0.00	73.04	3927.43
	12/14/05	4000.47	72.84		0.00	0.00	72.84	3927.63
	01/12/06	4000.47	72.64		0.00	0.00	72.64	3927.83
	02/02/06	4000.47	72.64		0.00	0.00	72.64	3927.83
	03/07/06	4000.47	73.75		0.00	0.00	73.75	3926.72
	04/05/06	4000.47	72.66		0.00	0.00	72.66	3927.81
	05/08/06	4000.47	72.58		0.00	0.00	72.58	3927.89
	06/05/06	4000.47	72.69		0.00	0.00	72.69	3927.78
	07/11/06	4000.47	72.74		0.00	0.00	72.74	3927.73
	08/16/06	4000.47	72.68		0.00	0.00	72.68	3927.79
	09/07/06	4000.47	72.43		0.00	0.00	72.43	3928.04
	10/11/06	4000.47	72.36		0.00	0.00	72.36	3928.11
	11/08/06	4000.47	72.17		0.00	0.00	72.17	3928.30
	12/04/06	4000.47	72.64		0.00	0.00	72.64	3927.83
	01/04/07	4000.47	71.95		0.00	0.00	71.95	3928.52
	02/27/07	4000.47	71.93		0.00	0.00	71.93	3928.54
	03/20/07	4000.47	72.09		0.00	0.00	72.09	3928.38
	04/17/07	4000.47	71.88		0.00	0.00	71.88	3928.59
	05/07/07	4000.47	72.10		0.00	0.00	72.10	3928.37
	06/27/07	4000.47	72.00		0.00	0.00	72.00	3928.47
	07/19/07	4000.47	71.89		0.00	0.00	71.89	3928.58
	08/21/07	4000.47	71.86		0.00	0.00	71.86	3928.61
	09/17/07	4000.47	71.82		0.00	0.00	71.82	3928.65
	10/16/07	4000.47	71.75		0.00	0.00	71.75	3928.72
	11/20/07	4000.47	71.79		0.00	0.00	71.79	3928.68
	12/21/07	4000.47	71.57		0.00	0.00	71.57	3928.90
	01/22/08	4000.47	72.00		0.00	0.00	72.00	3928.47
	02/27/08	4000.47	71.86		0.00	0.00	71.86	3928.61
	03/25/08	4000.47	71.69		0.00	0.00	71.69	3928.78
	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

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.	02/11/09	4000.47	71.73		0.00	0.00	71.73	3928.74
	03/10/09	4000.47	71.50		0.00	0.00	71.50	3928.97
	04/13/09	4000.47	71.63		0.00	0.00	71.63	3928.84
	05/01/09	4000.47	71.76		0.00	0.00	71.76	3928.71
	06/08/09	4000.47	71.36		0.00	0.00	71.36	3929.11
	07/13/09	4000.47	71.43		0.00	0.00	71.43	3929.04
	08/10/09	4000.47	71.47		0.00	0.00	71.47	3929.00
	09/15/09	4000.47	71.34		0.00	0.00	71.34	3929.13
	10/06/09	4000.47	71.29		0.00	0.00	71.29	3929.18
	11/09/09	4000.47	71.52		0.00	0.00	71.52	3928.95
	12/23/09	4000.47	71.08		0.00	0.00	71.08	3929.39
	01/20/10	4000.47	71.03		0.00	0.00	71.03	3929.44
	02/09/10	4000.47	71.60		0.00	0.00	71.60	3928.87
	03/09/10	4000.47	71.25		0.00	0.00	71.25	3929.22
	04/12/10	4000.47	71.53		0.00	0.00	71.53	3928.94
	05/24/10	4000.47	71.39		0.00	0.00	71.39	3929.08
	06/14/10	4000.47	71.51		0.00	0.00	71.51	3928.96
	07/20/10	4000.47	70.60		0.00	0.00	70.60	3929.87
	08/11/10	4000.47	71.65		0.00	0.00	71.65	3928.82
	09/21/10	4000.47	71.59		0.00	0.00	71.59	3928.88
	10/20/10	4000.47	71.78		0.00	0.00	71.78	3928.69
	11/08/10	4000.47	71.61		0.00	0.00	71.61	3928.86
	12/07/10	4000.47	71.69		0.00	0.00	71.69	3928.78
MW-11	12/13/01	4015.54	81.38		0.00	0.00	81.38	3934.16
	03/22/02	4015.54	83.60		0.00	0.00	83.60	3931.94
	09/16/02	4015.54	83.82		0.00	0.00	83.82	3931.72
	09/20/02	4015.54	83.70		0.00	0.00	83.70	3931.84
	09/04/03	4015.54	84.50		0.00	0.00	84.50	3931.04
	04/05/04	4015.54	84.54		0.00	0.00	84.54	3931.00
	05/17/04	4015.54	84.64		0.00	0.00	84.64	3930.90
	05/24/04	4015.54	84.55		0.00	0.00	84.55	3930.99
	06/01/04	4015.54	84.61		0.00	0.00	84.61	3930.93
	06/07/04	4015.54	84.58		0.00	0.00	84.58	3930.96
	06/15/04	4015.54	84.69		0.00	0.00	84.69	3930.85
	06/21/04	4015.54	84.72		0.00	0.00	84.72	3930.82
	06/28/04	4015.54	84.99		0.00	0.00	84.99	3930.55
	07/06/04	4015.54	84.83		0.00	0.00	84.83	3930.71
	07/12/04	4015.54	84.96		0.00	0.00	84.96	3930.58
	07/19/04	4015.54	84.90		0.00	0.00	84.90	3930.64
	07/26/04	4015.54	85.11		0.00	0.00	85.11	3930.43
	08/02/04	4015.54	84.96		0.00	0.00	84.96	3930.58
	08/10/04	4015.54	85.09		0.00	0.00	85.09	3930.45
	08/16/04	4015.54	85.06		0.00	0.00	85.06	3930.48
	08/23/04	4015.54	84.83		0.00	0.00	84.83	3930.71
	08/30/04	4015.54	85.06		0.00	0.00	85.06	3930.48
	09/08/04	4015.54	85.14		0.00	0.00	85.14	3930.40
	10/08/04	4015.54	85.12		0.00	0.00	85.12	3930.42
	12/30/05	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

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.	04/05/06	4015.54	85.38		0.00	0.00	85.38	3930.16
	05/08/06	4015.54	85.33		0.00	0.00	85.33	3930.21
	06/05/06	4015.54	85.47		0.00	0.00	85.47	3930.07
	07/11/06	4015.54	85.48		0.00	0.00	85.48	3930.06
	08/16/06	4015.54	85.52		0.00	0.00	85.52	3930.02
	09/07/06	4015.54	85.43		0.00	0.00	85.43	3930.11
	10/11/06	4015.54	85.41		0.00	0.00	85.41	3930.13
	11/08/06	4015.54	85.31		0.00	0.00	85.31	3930.23
	12/04/06	4015.54	85.88		0.00	0.00	85.88	3929.66
	01/04/07	4015.54	85.20		0.00	0.00	85.20	3930.34
	02/27/07	4015.54	85.16		0.00	0.00	85.16	3930.38
	03/20/07	4015.54	85.33		0.00	0.00	85.33	3930.21
	04/17/07	4015.54	85.17		0.00	0.00	85.17	3930.37
	05/07/07	4015.54	85.40		0.00	0.00	85.40	3930.14
	06/27/07	4015.54	85.27		0.00	0.00	85.27	3930.27
	07/19/07	4015.54	85.13		0.00	0.00	85.13	3930.41
	08/21/07	4015.54	85.08		0.00	0.00	85.08	3930.46
	09/17/07	4015.54	85.05		0.00	0.00	85.05	3930.49
	10/16/07	4015.54	84.97		0.00	0.00	84.97	3930.57
	11/20/07	4015.54	85.02		0.00	0.00	85.02	3930.52
	12/21/07	4015.54	84.81		0.00	0.00	84.81	3930.73
	01/22/08	4015.54	85.27		0.00	0.00	85.27	3930.27
	02/27/08	4015.54	85.20		0.00	0.00	85.20	3930.34
	03/25/08	4015.54	84.99		0.00	0.00	84.99	3930.55
	04/29/08	4015.54	84.98		0.00	0.00	84.98	3930.56
	05/05/08	4015.54	84.93		0.00	0.00	84.93	3930.61
	06/10/08	4015.54	84.94		0.00	0.00	84.94	3930.60
	07/15/08	4015.54	84.90		0.00	0.00	84.90	3930.64
	08/19/08	4015.54	84.88		0.00	0.00	84.88	3930.66
	09/16/08	4015.54	85.13		0.00	0.00	85.13	3930.41
	10/15/08	4015.54	85.03		0.00	0.00	85.03	3930.51
	11/12/08	4015.54	84.72		0.00	0.00	84.72	3930.82
	12/11/08	4015.54	84.92		0.00	0.00	84.92	3930.62
	01/13/09	4015.54	85.15		0.00	0.00	85.15	3930.39
	02/11/09	4015.54	84.85		0.00	0.00	84.85	3930.69
	03/10/09	4015.54	84.63		0.00	0.00	84.63	3930.91
	04/13/09	4015.54	84.79		0.00	0.00	84.79	3930.75
	05/01/09	4015.54	84.64		0.00	0.00	84.64	3930.90
	06/08/09	4015.54	84.51		0.00	0.00	84.51	3931.03
	07/13/09	4015.54	84.61		0.00	0.00	84.61	3930.93
	08/10/09	4015.54	84.60		0.00	0.00	84.60	3930.94
	09/15/09	4015.54	84.44		0.00	0.00	84.44	3931.10
	10/06/09	4015.54	84.34		0.00	0.00	84.34	3931.20
	11/09/09	4015.54	84.58		0.00	0.00	84.58	3930.96
	12/23/09	4015.54	84.06		0.00	0.00	84.06	3931.48
	01/20/10	4015.54	83.99		0.00	0.00	83.99	3931.55
	02/09/10	4015.54	84.64		0.00	0.00	84.64	3930.90
	03/09/10	4015.54	84.23		0.00	0.00	84.23	3931.31
	04/12/10	4015.54	84.54		0.00	0.00	84.54	3931.00
	05/24/10	4015.54	84.34		0.00	0.00	84.34	3931.20
	06/14/10	4015.54	84.48		0.00	0.00	84.48	3931.06
	07/20/10	4015.54	84.54		0.00	0.00	84.54	3931.00
	08/11/10	4015.54	84.57		0.00	0.00	84.57	3930.97
	09/21/10	4015.54	84.56		0.00	0.00	84.56	3930.98
	10/20/10	4015.54	84.62		0.00	0.00	84.62	3930.92
	11/08/10	4015.54	84.48		0.00	0.00	84.48	3931.06
	12/07/10	4015.54	84.58		0.00	0.00	84.58	3930.96
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

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.	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
	12/30/05	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
	09/07/06	4022.71	94.86		0.00	0.00	94.86	3927.85
	10/11/06	4022.71	94.86		0.00	0.00	94.86	3927.85
	11/08/06	4022.71	94.72		0.00	0.00	94.72	3927.99
	12/04/06	4022.71	95.35		0.00	0.00	95.35	3927.36
	01/04/07	4022.71	94.68		0.00	0.00	94.68	3928.03
	02/27/07	4022.71	94.73		0.00	0.00	94.73	3927.98
	03/20/07	4022.71	94.93		0.00	0.00	94.93	3927.78
	04/17/07	4022.71	94.73		0.00	0.00	94.73	3927.98
	05/07/07	4022.71	94.95		0.00	0.00	94.95	3927.76
	06/27/07	4022.71	94.42		0.00	0.00	94.42	3928.29
	07/19/07	4022.71	94.71		0.00	0.00	94.71	3928.00
	08/21/07	4022.71	94.77		0.00	0.00	94.77	3927.94
	09/17/07	4022.71	94.90		0.00	0.00	94.90	3927.81
	10/16/07	4022.71	98.83		0.00	0.00	98.83	3923.88
	11/20/07	4022.71	99.07		0.00	0.00	99.07	3923.64
*	12/21/07	4022.53	98.82		0.00	0.00	98.82	3923.71
	01/22/08	4022.53	97.14		0.00	0.00	97.14	3925.39
	02/27/08	4022.53	97.32		0.00	0.00	97.32	3925.21
	03/25/08	4022.53	98.91		0.00	0.00	98.91	3923.62
	04/29/08	4022.53	98.87		0.00	0.00	98.87	3923.66
	05/05/08	4022.53	98.82		0.00	0.00	98.82	3923.71
	06/10/08	4022.53	98.63		0.00	0.00	98.63	3923.90
	07/15/08	4022.53	98.65		0.00	0.00	98.65	3923.88
	08/19/08	4022.53	98.43		0.00	0.00	98.43	3924.10
	09/16/08	4022.53	98.92		0.00	0.00	98.92	3923.61

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.	10/15/08	4022.53	98.84		0.00	0.00	98.84	3923.69
	11/12/08	4022.53	98.52		0.00	0.00	98.52	3924.01
	12/11/08	4022.53	98.48		0.00	0.00	98.48	3924.05
	01/13/09	4022.53	98.86		0.00	0.00	98.86	3923.67
	02/11/09	4022.53	98.52		0.00	0.00	98.52	3924.01
	03/10/09	4022.53	98.29		0.00	0.00	98.29	3924.24
	04/13/09	4022.53	98.44		0.00	0.00	98.44	3924.09
	05/01/09	4022.53	98.27		0.00	0.00	98.27	3924.26
	06/08/09	4022.53	98.25		0.00	0.00	98.25	3924.28
	07/13/09	4022.53	98.28		0.00	0.00	98.28	3924.25
	08/10/09	4022.53	98.27		0.00	0.00	98.27	3924.26
	09/15/09	4022.53	98.04		0.00	0.00	98.04	3924.49
	10/06/09	4022.53	94.93		0.00	0.00	94.93	3927.60
	11/09/09	4022.53	97.97		0.00	0.00	97.97	3924.56
	12/23/09	4022.53	97.47		0.00	0.00	97.47	3925.06
	01/20/10	4022.53	97.36		0.00	0.00	97.36	3925.17
	02/09/10	4022.53	97.98		0.00	0.00	97.98	3924.55
	03/09/10	4022.53	97.58		0.00	0.00	97.58	3924.95
	04/12/10	4022.53	97.85		0.00	0.00	97.85	3924.68
	05/24/10	4022.53	97.57		0.00	0.00	97.57	3924.96
	06/14/10	4022.53	98.32		0.00	0.00	98.32	3924.21
	07/20/10	4022.53	98.23		0.00	0.00	98.23	3924.30
	08/11/10	4022.53	98.22		0.00	0.00	98.22	3924.31
	09/21/10	4022.53	98.01		0.00	0.00	98.01	3924.52
	10/20/10	4022.53	98.13		0.00	0.00	98.13	3924.40
	11/08/10	4022.53	97.97		0.00	0.00	97.97	3924.56
	12/07/10	4022.53	97.93		0.00	0.00	97.93	3924.60
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
	12/30/05	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

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.	01/12/06	4031.96	108.16		0.00	0.00	108.16	3923.80
	02/02/06	4031.96	108.17		0.00	0.00	108.17	3923.79
	03/07/06	4031.96	108.33		0.00	0.00	108.33	3923.63
	04/05/06	4031.96	108.22		0.00	0.00	108.22	3923.74
	05/08/06	4031.96	108.18		0.00	0.00	108.18	3923.78
	06/05/06	4031.96	108.30		0.00	0.00	108.30	3923.66
	07/11/06	4031.96	108.34		0.00	0.00	108.34	3923.62
	08/16/06	4031.96	108.43		0.00	0.00	108.43	3923.53
	09/07/06	4031.96	108.32		0.00	0.00	108.32	3923.64
	10/11/06	4031.96	108.31		0.00	0.00	108.31	3923.65
	11/08/06	4031.96	108.18		0.00	0.00	108.18	3923.78
	12/04/06	4031.96	108.79		0.00	0.00	108.79	3923.17
	01/04/07	4031.96	108.11		0.00	0.00	108.11	3923.85
	02/27/07	4031.96	108.16		0.00	0.00	108.16	3923.80
	03/20/07	4031.96	108.37		0.00	0.00	108.37	3923.59
	04/17/07	4031.96	108.13		0.00	0.00	108.13	3923.83
	05/07/07	4031.96	108.37		0.00	0.00	108.37	3923.59
	06/27/07	4031.96	108.23		0.00	0.00	108.23	3923.73
	07/19/07	4031.96	108.13		0.00	0.00	108.13	3923.83
	08/21/07	4031.96	108.10		0.00	0.00	108.10	3923.86
	09/17/07	4031.96	108.08		0.00	0.00	108.08	3923.88
	10/16/07	4031.96	108.03		0.00	0.00	108.03	3923.93
	11/20/07	4031.96	108.11		0.00	0.00	108.11	3923.85
	12/21/07	4031.96	107.92		0.00	0.00	107.92	3924.04
	01/22/08	4031.96	108.42		0.00	0.00	108.42	3923.54
	02/27/08	4031.96	108.40		0.00	0.00	108.40	3923.56
	03/25/08	4031.96	108.22		0.00	0.00	108.22	3923.74
	04/29/08	4031.96	108.22		0.00	0.00	108.22	3923.74
	05/05/08	4031.96	108.22		0.00	0.00	108.22	3923.74
	06/10/08	4031.96	108.23		0.00	0.00	108.23	3923.73
	07/15/08	4031.96	108.23		0.00	0.00	108.23	3923.73
	08/19/08	4031.96	108.24		0.00	0.00	108.24	3923.72
	09/16/08	4031.96	108.52		0.00	0.00	108.52	3923.44
	10/15/08	4031.96	108.44		0.00	0.00	108.44	3923.52
	11/12/08	4031.96	108.15		0.00	0.00	108.15	3923.81
	12/11/08	4031.96	108.34		0.00	0.00	108.34	3923.62
	01/13/09	4031.96	108.55		0.00	0.00	108.55	3923.41
	02/11/09	4031.96	108.27		0.00	0.00	108.27	3923.69
	03/10/09	4031.96	108.05		0.00	0.00	108.05	3923.91
	04/13/09	4031.96	108.20		0.00	0.00	108.20	3923.76
	05/01/09	4031.96	108.02		0.00	0.00	108.02	3923.94
	06/08/09	4031.96	107.90		0.00	0.00	107.90	3924.06
	07/13/09	4031.96	107.97		0.00	0.00	107.97	3923.99
	08/10/09	4031.96	107.98		0.00	0.00	107.98	3923.98
	09/15/09	4031.96	107.83		0.00	0.00	107.83	3924.13
	10/06/09	4031.96	107.73		0.00	0.00	107.73	3924.23
	11/09/09	4031.96	107.95		0.00	0.00	107.95	3924.01
	12/23/09	4031.96	107.45		0.00	0.00	107.45	3924.51
	01/20/10	4031.96	107.40		0.00	0.00	107.40	3924.56
	02/09/10	4031.96	108.03		0.00	0.00	108.03	3923.93
	03/09/10	4031.96	107.65		0.00	0.00	107.65	3924.31
	04/12/10	4031.96	107.94		0.00	0.00	107.94	3924.02
	05/24/10	4031.96	107.76		0.00	0.00	107.76	3924.20
	06/14/10	4031.96	107.90		0.00	0.00	107.90	3924.06
	07/20/10	4031.96	107.98		0.00	0.00	107.98	3923.98
	08/11/10	4031.96	108.00		0.00	0.00	108.00	3923.96
	09/21/10	4031.96	107.90		0.00	0.00	107.90	3924.06
	10/20/10	4031.96	108.08		0.00	0.00	108.08	3923.88
	11/08/10	4031.96	107.93		0.00	0.00	107.93	3924.03
	12/07/10	4031.96	107.99		0.00	0.00	107.99	3923.97

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	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
	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
	12/30/05	4006.98	75.45		0.00	0.00	75.45	3931.53
	01/17/05	4006.98	75.74		0.00	0.00	75.74	3931.24
	02/09/05	4006.98	75.46		0.00	0.00	75.46	3931.52
	03/09/05	4006.98	75.37		0.00	0.00	75.37	3931.61
	04/05/05	4006.98	74.84		0.00	0.00	74.84	3932.14
	05/10/05	4006.98	74.72		0.00	0.00	74.72	3932.26
	06/08/05	4006.98	74.71		0.00	0.00	74.71	3932.27
	07/05/05	4006.98	74.93		0.00	0.00	74.93	3932.05
	08/08/05	4006.98	74.78		0.00	0.00	74.78	3932.20
	09/14/05	4006.98	74.62		0.00	0.00	74.62	3932.36
	10/12/05	4006.98	74.69		0.00	0.00	74.69	3932.29
	11/09/05	4006.98	74.69		0.00	0.00	74.69	3932.29
	12/14/05	4006.98	74.29		0.00	0.00	74.29	3932.69
	01/12/06	4006.98	74.01		0.00	0.00	74.01	3932.97
	02/02/06	4006.98	73.91		0.00	0.00	73.91	3933.07
	03/07/06	4006.98	73.97		0.00	0.00	73.97	3933.01
	04/05/06	4006.98	73.80		0.00	0.00	73.80	3933.18
	05/08/06	4006.98	73.69		0.00	0.00	73.69	3933.29
	06/05/06	4006.98	73.78		0.00	0.00	73.78	3933.20
	07/11/06	4006.98	73.83		0.00	0.00	73.83	3933.15
	08/16/06	4006.98	73.94		0.00	0.00	73.94	3933.04
	09/07/06	4006.98	72.93		0.00	0.00	72.93	3934.05
	10/11/06	4006.98	73.95		0.00	0.00	73.95	3933.03
	11/08/06	4006.98	73.88		0.00	0.00	73.88	3933.10
	12/04/06	4006.98	74.53		0.00	0.00	74.53	3932.45
	01/04/07	4006.98	73.79		0.00	0.00	73.79	3933.19
	02/27/07	4006.98	73.73		0.00	0.00	73.73	3933.25
	03/20/07	4006.98	73.90		0.00	0.00	73.90	3933.08
	04/17/07	4006.98	73.68		0.00	0.00	73.68	3933.30
	05/07/07	4006.98	73.88		0.00	0.00	73.88	3933.10
	06/27/07	4006.98	73.80		0.00	0.00	73.80	3933.18
	07/19/07	4006.98	73.69		0.00	0.00	73.69	3933.29
	08/21/07	4006.98	73.61		0.00	0.00	73.61	3933.37
	09/17/07	4006.98	73.54		0.00	0.00	73.54	3933.44
	10/16/07	4006.98	73.39		0.00	0.00	73.39	3933.59
	11/20/07	4006.98	73.34		0.00	0.00	73.34	3933.64
	12/21/07	4006.98	73.05		0.00	0.00	73.05	3933.93
	01/22/08	4006.98	73.44		0.00	0.00	73.44	3933.54
	02/27/08	4006.98	73.37		0.00	0.00	73.37	3933.61
	03/25/08	4006.98	73.17		0.00	0.00	73.17	3933.81

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.	04/29/08	4006.98	73.16		0.00	0.00	73.16	3933.82
	05/05/08	4006.98	73.14		0.00	0.00	73.14	3933.84
	06/10/08	4006.98	73.16		0.00	0.00	73.16	3933.82
	07/15/08	4006.98	73.25		0.00	0.00	73.25	3933.73
	08/19/08	4006.98	73.32		0.00	0.00	73.32	3933.66
	09/16/08	4006.98	73.68		0.00	0.00	73.68	3933.30
	10/15/08	4006.98	73.67		0.00	0.00	73.67	3933.31
	11/12/08	4006.98	73.44		0.00	0.00	73.44	3933.54
	12/11/08	4006.98	73.69		0.00	0.00	73.69	3933.29
	01/13/09	4006.98	73.89		0.00	0.00	73.89	3933.09
	02/11/09	4006.98	73.57		0.00	0.00	73.57	3933.41
	03/10/09	4006.98	73.34		0.00	0.00	73.34	3933.64
	04/13/09	4006.98	73.43		0.00	0.00	73.43	3933.55
	05/01/09	4006.98	73.30		0.00	0.00	73.30	3933.68
	06/08/09	4006.98	73.15		0.00	0.00	73.15	3933.83
	07/13/09	4006.98	73.29		0.00	0.00	73.29	3933.69
	08/10/09	4006.98	73.32		0.00	0.00	73.32	3933.66
	09/15/09	4006.98	73.22		0.00	0.00	73.22	3933.76
	10/06/09	4006.98	73.15		0.00	0.00	73.15	3933.83
	11/09/09	4006.98	73.43		0.00	0.00	73.43	3933.55
	12/23/09	4006.98	72.93		0.00	0.00	72.93	3934.05
	01/20/10	4006.98	72.88		0.00	0.00	72.88	3934.10
	02/09/10	4006.98	73.48		0.00	0.00	73.48	3933.50
	03/09/10	4006.98	73.09		0.00	0.00	73.09	3933.89
	04/12/10	4006.98	73.40		0.00	0.00	73.40	3933.58
	05/24/10	4006.98	73.24		0.00	0.00	73.24	3933.74
	06/14/10	4006.98	73.40		0.00	0.00	73.40	3933.58
	07/20/10	4006.98	73.53		0.00	0.00	73.53	3933.45
	08/11/10	4006.98	73.59		0.00	0.00	73.59	3933.39
	09/21/10	4006.98	73.55		0.00	0.00	73.55	3933.43
	10/20/10	4006.98	73.74		0.00	0.00	73.74	3933.24
	11/08/10	4006.98	73.62		0.00	0.00	73.62	3933.36
	12/07/10	4006.98	73.73		0.00	0.00	73.73	3933.25
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
	12/30/05	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

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.	10/12/05	4026.75	120.37		0.00	0.00	120.37	3906.38
	11/09/05	4026.75	120.42		0.00	0.00	120.42	3906.33
	12/14/05	4026.75	120.43		0.00	0.00	120.43	3906.32
	01/12/06	4026.75	120.42		0.00	0.00	120.42	3906.33
	02/02/06	4026.75	120.43		0.00	0.00	120.43	3906.32
	03/07/06	4026.75	120.50		0.00	0.00	120.50	3906.25
	04/05/06	4026.75	120.48		0.00	0.00	120.48	3906.27
	05/08/06	4026.75	120.45		0.00	0.00	120.45	3906.30
	06/05/06	4026.75	120.54		0.00	0.00	120.54	3906.21
	07/11/06	4026.75	120.65		0.00	0.00	120.65	3906.10
	08/16/06	4026.75	120.68		0.00	0.00	120.68	3906.07
	09/07/06	4026.75	120.71		0.00	0.00	120.71	3906.04
	10/11/06	4026.75	120.75		0.00	0.00	120.75	3906.00
	11/08/06	4026.75	120.76		0.00	0.00	120.76	3905.99
	12/04/06	4026.75	120.76		0.00	0.00	120.76	3905.99
	01/04/07	4026.75	120.80		0.00	0.00	120.80	3905.95
	02/27/07	4026.75	120.83		0.00	0.00	120.83	3905.92
	03/20/07	4026.75	120.90		0.00	0.00	120.90	3905.85
	04/17/07	4026.75	120.86		0.00	0.00	120.86	3905.89
	05/07/07	4026.75	120.88		0.00	0.00	120.88	3905.87
	06/27/07	4026.75	120.81		0.00	0.00	120.81	3905.94
	07/19/07	4026.75	120.88		0.00	0.00	120.88	3905.87
	08/21/07	4026.75	120.88		0.00	0.00	120.88	3905.87
	09/17/07	4026.75	120.93		0.00	0.00	120.93	3905.82
	10/16/07	4026.75	120.95		0.00	0.00	120.95	3905.80
	11/20/07	4026.75	121.06		0.00	0.00	121.06	3905.69
	12/21/07	4026.75	121.08		0.00	0.00	121.08	3905.67
	01/22/08	4026.75	121.18		0.00	0.00	121.18	3905.57
	02/27/08	4026.75	121.40		0.00	0.00	121.40	3905.35
	03/25/08	4026.75	121.22		0.00	0.00	121.22	3905.53
	04/29/08	4026.75	121.21		0.00	0.00	121.21	3905.54
	05/05/08	4026.75	121.20		0.00	0.00	121.20	3905.55
	06/10/08	4026.75	121.24		0.00	0.00	121.24	3905.51
	07/15/08	4026.75	121.31		0.00	0.00	121.31	3905.44
	08/19/08	4026.75	121.40		0.00	0.00	121.40	3905.35
	09/16/08	4026.75	121.54		0.00	0.00	121.54	3905.21
	10/15/08	4026.75	121.43		0.00	0.00	121.43	3905.32
	11/12/08	4026.75	121.40		0.00	0.00	121.40	3905.35
	12/11/08	4026.75	121.47		0.00	0.00	121.47	3905.28
	01/13/09	4026.75	121.28		0.00	0.00	121.28	3905.47
	02/11/09	4026.75	121.49		0.00	0.00	121.49	3905.26
	03/10/09	4026.75	121.36		0.00	0.00	121.36	3905.39
	04/13/09	4026.75	121.39		0.00	0.00	121.39	3905.36
	05/01/09	4026.75	121.34		0.00	0.00	121.34	3905.41
	06/08/09	4026.75	121.16		0.00	0.00	121.16	3905.59
	07/13/09	4026.75	121.60		0.00	0.00	121.60	3905.15
	08/10/09	4026.75	121.16		0.00	0.00	121.16	3905.59
	09/15/09	4026.75	121.11		0.00	0.00	121.11	3905.64
	10/06/09	4026.75	121.03		0.00	0.00	121.03	3905.72
	11/09/09	4026.75	121.24		0.00	0.00	121.24	3905.51
	12/23/09	4026.75	120.88		0.00	0.00	120.88	3905.87
	01/20/10	4026.75	120.82		0.00	0.00	120.82	3905.93
	02/09/10	4026.75	121.30		0.00	0.00	121.30	3905.45
	03/09/10	4026.75	120.97		0.00	0.00	120.97	3905.78
	04/12/10	4026.75	121.24		0.00	0.00	121.24	3905.51
	05/24/10	4026.75	121.03		0.00	0.00	121.03	3905.72
	06/14/10	4026.75	121.16		0.00	0.00	121.16	3905.59
	07/20/10	4026.75	121.24		0.00	0.00	121.24	3905.51
	08/11/10	4026.75	121.02		0.00	0.00	121.02	3905.73
	09/21/10	4026.75	121.09		0.00	0.00	121.09	3905.66
	10/20/10	4026.75	121.25		0.00	0.00	121.25	3905.50
	11/08/10	4026.75	121.14		0.00	0.00	121.14	3905.61
	12/07/10	4026.75	121.16		0.00	0.00	121.16	3905.59

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	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
	09/07/06	4017.74	114.49		0.00	0.00	114.49	3903.25
	10/11/06	4017.74	114.51		0.00	0.00	114.51	3903.23
	11/08/06	4017.74	114.40		0.00	0.00	114.40	3903.34
	12/04/06	4017.74	115.00		0.00	0.00	115.00	3902.74
	01/04/07	4017.74	114.38		0.00	0.00	114.38	3903.36
	02/27/07	4017.74	114.41		0.00	0.00	114.41	3903.33
	03/20/07	4017.74	114.67		0.00	0.00	114.67	3903.07
	04/17/07	4017.74	114.47		0.00	0.00	114.47	3903.27
	05/07/07	4017.74	114.71		0.00	0.00	114.71	3903.03
	06/27/07	4017.74	114.65		0.00	0.00	114.65	3903.09
	07/19/07	4017.74	114.58		0.00	0.00	114.58	3903.16
	08/21/07	4017.74	114.56		0.00	0.00	114.56	3903.18
	09/17/07	4017.74	114.57		0.00	0.00	114.57	3903.17
	10/16/07	4017.74	114.51		0.00	0.00	114.51	3903.23
	11/20/07	4017.74	114.63		0.00	0.00	114.63	3903.11
	12/21/07	4017.74	114.46		0.00	0.00	114.46	3903.28
	01/22/08	4017.74	114.95		0.00	0.00	114.95	3902.79
	02/27/08	4017.74	114.99		0.00	0.00	114.99	3902.75
	03/25/08	4017.74	114.84		0.00	0.00	114.84	3902.90
	04/29/08	4017.74	114.87		0.00	0.00	114.87	3902.87
	05/05/08	4017.74	114.84		0.00	0.00	114.84	3902.90
	06/10/08	4017.74	114.86		0.00	0.00	114.86	3902.88

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.	07/15/08	4017.74	114.92		0.00	0.00	114.92	3902.82
	08/19/08	4017.74	114.94		0.00	0.00	114.94	3902.80
	09/16/08	4017.74	115.19		0.00	0.00	115.19	3902.55
	10/15/08	4017.74	115.15		0.00	0.00	115.15	3902.59
	11/12/08	4017.74	115.20		0.00	0.00	115.20	3902.54
	12/11/08	4017.74	115.06		0.00	0.00	115.06	3902.68
	01/13/09	4017.74	115.28		0.00	0.00	115.28	3902.46
	02/11/09	4017.74	114.99		0.00	0.00	114.99	3902.75
	03/10/09	4017.74	114.78		0.00	0.00	114.78	3902.96
	03/10/09	4017.74	114.90		0.00	0.00	114.90	3902.84
	05/01/09	4017.74	114.80		0.00	0.00	114.80	3902.94
	06/08/09	4017.74	114.70		0.00	0.00	114.70	3903.04
	07/13/09	4017.74	114.82		0.00	0.00	114.82	3902.92
	08/10/09	4017.74	114.83		0.00	0.00	114.83	3902.91
	09/15/09	4017.74	114.65		0.00	0.00	114.65	3903.09
	10/06/09	4017.74	114.55		0.00	0.00	114.55	3903.19
	11/09/09	4017.74	114.78		0.00	0.00	114.78	3902.96
	12/23/09	4017.74	114.25		0.00	0.00	114.25	3903.49
	01/20/10	4017.74	114.20		0.00	0.00	114.20	3903.54
	02/09/10	4017.74	114.78		0.00	0.00	114.78	3902.96
	03/09/10	4017.74	114.36		0.00	0.00	114.36	3903.38
	04/12/10	4017.74	114.65		0.00	0.00	114.65	3903.09
	05/24/10	4017.74	114.43		0.00	0.00	114.43	3903.31
	06/14/10	4017.74	114.56		0.00	0.00	114.56	3903.18
	07/20/10	4017.74	114.63		0.00	0.00	114.63	3903.11
	08/11/10	4017.74	114.64		0.00	0.00	114.64	3903.10
	09/21/10	4017.74	114.50		0.00	0.00	114.50	3903.24
	10/20/10	4017.74	114.65		0.00	0.00	114.65	3903.09
	11/08/10	4017.74	114.51		0.00	0.00	114.51	3903.23
	12/07/10	4017.74	114.55		0.00	0.00	114.55	3903.19
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
	12/30/05	3998.58	97.61		0.00	0.00	97.61	3900.97
	01/17/05	3998.58	97.72		0.00	0.00	97.72	3900.86
	02/09/05	3998.58	97.63		0.00	0.00	97.63	3900.95
	03/09/05	3998.58	97.68		0.00	0.00	97.68	3900.90
	04/05/05	3998.58	97.32		0.00	0.00	97.32	3901.26
	05/10/05	3998.58	97.41		0.00	0.00	97.41	3901.17
	06/08/05	3998.58	97.59		0.00	0.00	97.59	3900.99
	07/05/05	3998.58	97.68		0.00	0.00	97.68	3900.90
	08/08/05	3998.58	97.70		0.00	0.00	97.70	3900.88
	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

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.	01/12/06	3998.58	97.77		0.00	0.00	97.77	3900.81
	02/02/06	3998.58	97.50		0.00	0.00	97.50	3901.08
	03/07/06	3998.58	97.79		0.00	0.00	97.79	3900.79
	04/05/06	3998.58	97.53		0.00	0.00	97.53	3901.05
	05/08/06	3998.58	97.59		0.00	0.00	97.59	3900.99
	06/05/06	3998.58	97.74		0.00	0.00	97.74	3900.84
	07/11/06	3998.58	97.83		0.00	0.00	97.83	3900.75
	08/16/06	3998.58	98.87		0.00	0.00	98.87	3899.71
	09/07/06	3998.58	97.88		0.00	0.00	97.88	3900.70
	10/11/06	3998.58	97.83		0.00	0.00	97.83	3900.75
	11/08/06	3998.58	97.95		0.00	0.00	97.95	3900.63
	12/04/06	3998.58	98.25		0.00	0.00	98.25	3900.33
	01/04/07	3998.58	97.77		0.00	0.00	97.77	3900.81
	02/27/07	3998.58	97.76		0.00	0.00	97.76	3900.82
	03/20/07	3998.58	97.94		0.00	0.00	97.94	3900.64
	04/17/07	3998.58	97.85		0.00	0.00	97.85	3900.73
	05/07/07	3998.58	97.98		0.00	0.00	97.98	3900.60
	06/27/07	3998.58	97.86		0.00	0.00	97.86	3900.72
	07/19/07	3998.58	97.88		0.00	0.00	97.88	3900.70
	08/21/07	3998.58	97.81		0.00	0.00	97.81	3900.77
	09/17/07	3998.58	97.90		0.00	0.00	97.90	3900.68
	10/16/07	3998.58	97.91		0.00	0.00	97.91	3900.67
	11/20/07	3998.58	97.94		0.00	0.00	97.94	3900.64
	12/21/07	3998.58	98.05		0.00	0.00	98.05	3900.53
	01/22/08	3998.58	98.08		0.00	0.00	98.08	3900.50
	02/27/08	3998.58	98.11		0.00	0.00	98.11	3900.47
	03/25/08	3998.58	98.18		0.00	0.00	98.18	3900.40
	04/29/08	3998.58	98.15		0.00	0.00	98.15	3900.43
	05/05/08	3998.58	98.11		0.00	0.00	98.11	3900.47
	06/10/08	3998.58	98.84		0.00	0.00	98.84	3899.74
	07/15/08	3998.58	98.09		0.00	0.00	98.09	3900.49
	08/19/08	3998.58	98.14		0.00	0.00	98.14	3900.44
	09/16/08	3998.58	98.21		0.00	0.00	98.21	3900.37
	10/15/08	3998.58	98.25		0.00	0.00	98.25	3900.33
	11/12/08	3998.58	98.11		0.00	0.00	98.11	3900.47
	12/11/08	3998.58	98.19		0.00	0.00	98.19	3900.39
	01/13/09	3998.58	98.27		0.00	0.00	98.27	3900.31
	02/11/09	3998.58	98.10		0.00	0.00	98.10	3900.48
	03/10/09	3998.58	97.88		0.00	0.00	97.88	3900.70
	04/13/09	3998.58	97.96		0.00	0.00	97.96	3900.62
	05/01/09	3998.58	97.92		0.00	0.00	97.92	3900.66
	06/08/09	3998.58	97.82		0.00	0.00	97.82	3900.76
	07/13/09	3998.58	97.91		0.00	0.00	97.91	3900.67
	08/10/09	3998.58	97.98		0.00	0.00	97.98	3900.60
	09/15/09	3998.58	97.71		0.00	0.00	97.71	3900.87
	10/06/09	3998.58	97.57		0.00	0.00	97.57	3901.01
	11/09/09	3998.58	97.65		0.00	0.00	97.65	3900.93
	12/23/09	3998.58	97.45		0.00	0.00	97.45	3901.13
	01/20/10	3998.58	97.44		0.00	0.00	97.44	3901.14
	02/09/10	3998.58	97.66		0.00	0.00	97.66	3900.92
	03/09/10	3998.58	97.42		0.00	0.00	97.42	3901.16
	04/12/10	3998.58	97.64		0.00	0.00	97.64	3900.94
	05/24/10	3998.58	97.41		0.00	0.00	97.41	3901.17
	06/14/10	3998.58	97.55		0.00	0.00	97.55	3901.03
	07/20/10	3998.58	97.59		0.00	0.00	97.59	3900.99
	08/11/10	3998.58	97.59		0.00	0.00	97.59	3900.99
	09/21/10	3998.58	97.51		0.00	0.00	97.51	3901.07
	10/20/10	3998.58	97.57		0.00	0.00	97.57	3901.01
	11/08/10	3998.58	97.51		0.00	0.00	97.51	3901.07
	12/07/10	3998.58	97.58		0.00	0.00	97.58	3901.00

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	09/20/02	3980.46	86.62		0.00	0.00	86.62	3893.84
	04/05/04	3980.46	86.61		0.00	0.00	86.61	3893.85
	05/17/04	3980.46	86.63		0.00	0.00	86.63	3893.83
	05/24/04	3980.46	86.58		0.00	0.00	86.58	3893.88
	06/01/04	3980.46	86.57		0.00	0.00	86.57	3893.89
	06/07/04	3980.46	86.50		0.00	0.00	86.50	3893.96
	06/15/04	3980.46	86.59		0.00	0.00	86.59	3893.87
	06/21/04	3980.46	86.60		0.00	0.00	86.60	3893.86
	06/28/04	3980.46	86.79		0.00	0.00	86.79	3893.67
	07/06/04	3980.46	86.74		0.00	0.00	86.74	3893.72
	07/12/04	3980.46	86.77		0.00	0.00	86.77	3893.69
	07/19/04	3980.46	86.76		0.00	0.00	86.76	3893.70
	07/26/04	3980.46	86.91		0.00	0.00	86.91	3893.55
	08/02/04	3980.46	86.81		0.00	0.00	86.81	3893.65
	08/10/04	3980.46	86.93		0.00	0.00	86.93	3893.53
	08/16/04	3980.46	86.90		0.00	0.00	86.90	3893.56
	08/23/04	3980.46	86.63		0.00	0.00	86.63	3893.83
	08/30/04	3980.46	86.86		0.00	0.00	86.86	3893.60
	09/08/04	3980.46	86.92		0.00	0.00	86.92	3893.54
	10/08/04	3980.46	86.87		0.00	0.00	86.87	3893.59
	12/30/05	3980.46	86.74		0.00	0.00	86.74	3893.72
	01/17/05	3980.46	87.09		0.00	0.00	87.09	3893.37
	02/09/05	3980.46	86.97		0.00	0.00	86.97	3893.49
	03/09/05	3980.46	86.98		0.00	0.00	86.98	3893.48
	04/05/05	3980.46	86.64		0.00	0.00	86.64	3893.82
	05/10/05	3980.46	86.68		0.00	0.00	86.68	3893.78
	06/08/05	3980.46	86.75		0.00	0.00	86.75	3893.71
	07/05/05	3980.46	87.03		0.00	0.00	87.03	3893.43
	08/08/05	3980.46	86.97		0.00	0.00	86.97	3893.49
	09/14/05	3980.46	86.89		0.00	0.00	86.89	3893.57
	10/12/05	3980.46	87.03		0.00	0.00	87.03	3893.43
	11/09/05	3980.46	87.13		0.00	0.00	87.13	3893.33
	12/14/05	3980.46	86.93		0.00	0.00	86.93	3893.53
	01/12/06	3980.46	86.79		0.00	0.00	86.79	3893.67
	02/02/06	3980.46	86.80		0.00	0.00	86.80	3893.66
	03/07/06	3980.46	86.98		0.00	0.00	86.98	3893.48
	04/05/06	3980.46	86.91		0.00	0.00	86.91	3893.55
	05/08/06	3980.46	86.86		0.00	0.00	86.86	3893.60
	06/05/06	3980.46	87.00		0.00	0.00	87.00	3893.46
	07/11/06	3980.46	87.08		0.00	0.00	87.08	3893.38
	08/16/06	3980.46	87.19		0.00	0.00	87.19	3893.27
	09/07/06	3980.46	87.13		0.00	0.00	87.13	3893.33
	10/11/06	3980.46	87.14		0.00	0.00	87.14	3893.32
	11/08/06	3980.46	87.06		0.00	0.00	87.06	3893.40
	12/04/06	3980.46	87.66		0.00	0.00	87.66	3892.80
	01/04/07	3980.46	87.13		0.00	0.00	87.13	3893.33
	02/27/07	3980.46	87.05		0.00	0.00	87.05	3893.41
	03/20/07	3980.46	87.31		0.00	0.00	87.31	3893.15
	04/17/07	3980.46	87.12		0.00	0.00	87.12	3893.34
	05/07/07	3980.46	87.36		0.00	0.00	87.36	3893.10
	06/17/07	3980.46	87.29		0.00	0.00	87.29	3893.17
	07/19/07	3980.46	87.21		0.00	0.00	87.21	3893.25
	08/21/07	3980.46	87.19		0.00	0.00	87.19	3893.27
	09/17/07	3980.46	87.22		0.00	0.00	87.22	3893.24
	10/16/07	3980.46	87.17		0.00	0.00	87.17	3893.29
	11/20/07	3980.46	87.23		0.00	0.00	87.23	3893.23
	12/21/07	3980.46	87.07		0.00	0.00	87.07	3893.39
	01/22/08	3980.46	87.56		0.00	0.00	87.56	3892.90
	02/26/08	3980.46	87.58		0.00	0.00	87.58	3892.88
	03/25/08	3980.46	87.43		0.00	0.00	87.43	3893.03
	04/29/08	3980.46	87.46		0.00	0.00	87.46	3893.00
	05/05/08	3980.46	87.43		0.00	0.00	87.43	3893.03
	06/10/08	3980.46	87.43		0.00	0.00	87.43	3893.03

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.	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
	03/10/09	3980.46	87.39		0.00	0.00	87.39	3893.07
	04/13/09	3980.46	87.53		0.00	0.00	87.53	3892.93
	05/01/09	3980.46	87.37		0.00	0.00	87.37	3893.09
	06/08/09	3980.46	87.26		0.00	0.00	87.26	3893.20
	07/13/09	3980.46	87.38		0.00	0.00	87.38	3893.08
	08/10/09	3980.46	87.39		0.00	0.00	87.39	3893.07
	09/15/09	3980.46	87.21		0.00	0.00	87.21	3893.25
	10/06/09	3980.46	87.12		0.00	0.00	87.12	3893.34
	11/09/09	3980.46	87.12		0.00	0.00	87.12	3893.34
	12/23/09	3980.46	86.80		0.00	0.00	86.80	3893.66
	01/20/10	3980.46	86.74		0.00	0.00	86.74	3893.72
	02/09/10	3980.46	87.35		0.00	0.00	87.35	3893.11
	03/09/10	3980.46	86.93		0.00	0.00	86.93	3893.53
	04/12/10	3980.46	87.25		0.00	0.00	87.25	3893.21
	05/24/10	3980.46	87.00		0.00	0.00	87.00	3893.46
	06/14/10	3980.46	87.12		0.00	0.00	87.12	3893.34
	07/20/10	3980.46	87.19		0.00	0.00	87.19	3893.27
	08/11/10	3980.46	87.27		0.00	0.00	87.27	3893.19
	09/21/10	3980.46	87.08		0.00	0.00	87.08	3893.38
	10/20/10	3980.46	87.28		0.00	0.00	87.28	3893.18
	11/08/10	3980.46	87.10		0.00	0.00	87.10	3893.36
	12/07/10	3980.46	87.18		0.00	0.00	87.18	3893.28
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
	12/30/05	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

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.	01/12/06	4037.34	116.73		0.00	0.00	116.73	3920.61
	02/02/06	4037.34	116.70		0.00	0.00	116.70	3920.64
	03/07/06	4037.34	116.72		0.00	0.00	116.72	3920.62
	04/05/06	4037.34	116.68		0.00	0.00	116.68	3920.66
	05/08/06	4037.34	116.61		0.00	0.00	116.61	3920.73
	06/05/06	4037.34	116.66		0.00	0.00	116.66	3920.68
	07/11/06	4037.34	116.73		0.00	0.00	116.73	3920.61
	08/16/06	4037.34	116.74		0.00	0.00	116.74	3920.60
	09/07/06	4037.34	116.74		0.00	0.00	116.74	3920.60
	10/11/06	4037.34	116.80		0.00	0.00	116.80	3920.54
	11/08/06	4037.34	116.79		0.00	0.00	116.79	3920.55
	12/04/06	4037.34	116.90		0.00	0.00	116.90	3920.44
	01/04/07	4037.34	116.65		0.00	0.00	116.65	3920.69
	02/27/07	4037.34	116.71		0.00	0.00	116.71	3920.63
	03/20/07	4037.34	116.76		0.00	0.00	116.76	3920.58
	04/17/07	4037.34	116.61		0.00	0.00	116.61	3920.73
	05/07/07	4037.34	116.66		0.00	0.00	116.66	3920.68
	06/27/07	4037.34	116.59		0.00	0.00	116.59	3920.75
	07/19/07	4037.34	116.65		0.00	0.00	116.65	3920.69
	08/21/07	4037.34	116.63		0.00	0.00	116.63	3920.71
	09/17/07	4037.34	116.70		0.00	0.00	116.70	3920.64
	10/16/07	4037.34	116.66		0.00	0.00	116.66	3920.68
	11/20/07	4037.34	116.78		0.00	0.00	116.78	3920.56
	12/21/07	4037.34	116.64		0.00	0.00	116.64	3920.70
	01/22/08	4037.34	116.88		0.00	0.00	116.88	3920.46
	02/27/08	4037.34	117.04		0.00	0.00	117.04	3920.30
	03/25/08	4037.34	116.88		0.00	0.00	116.88	3920.46
	04/29/08	4037.34	116.89		0.00	0.00	116.89	3920.45
	05/05/08	4037.34	116.82		0.00	0.00	116.82	3920.52
	06/10/08	4037.34	116.79		0.00	0.00	116.79	3920.55
	07/15/08	4037.34	116.88		0.00	0.00	116.88	3920.46
	08/19/08	4037.34	116.89		0.00	0.00	116.89	3920.45
	09/16/08	4037.34	117.17		0.00	0.00	117.17	3920.17
	10/15/08	4037.34	117.09		0.00	0.00	117.09	3920.25
	11/12/08	4037.34	116.82		0.00	0.00	116.82	3920.52
	12/11/08	4037.34	117.09		0.00	0.00	117.09	3920.25
	01/13/09	4037.34	117.28		0.00	0.00	117.28	3920.06
	02/11/09	4037.34	116.83		0.00	0.00	116.83	3920.51
	03/10/09	4037.34	116.78		0.00	0.00	116.78	3920.56
	04/13/09	4037.34	116.80		0.00	0.00	116.80	3920.54
	05/01/09	4037.34	116.77		0.00	0.00	116.77	3920.57
	06/08/09	4037.34	116.61		0.00	0.00	116.61	3920.73
	07/13/09	4037.34	116.78		0.00	0.00	116.78	3920.56
	08/10/09	4037.34	116.74		0.00	0.00	116.74	3920.60
	09/15/09	4037.34	116.62		0.00	0.00	116.62	3920.72
	10/06/09	4037.34	116.47		0.00	0.00	116.47	3920.87
	11/09/09	4037.34	116.64		0.00	0.00	116.64	3920.70
	12/23/09	4037.34	116.29		0.00	0.00	116.29	3921.05
	01/20/10	4037.34	116.27		0.00	0.00	116.27	3921.07
	02/09/10	4037.34	116.61		0.00	0.00	116.61	3920.73
	03/09/10	4037.34	116.32		0.00	0.00	116.32	3921.02
	04/12/10	4037.34	116.62		0.00	0.00	116.62	3920.72
	05/24/10	4037.34	116.37		0.00	0.00	116.37	3920.97
	06/14/10	4037.34	116.51		0.00	0.00	116.51	3920.83
	07/20/10	4037.34	116.59		0.00	0.00	116.59	3920.75
	08/11/10	4037.34	116.58		0.00	0.00	116.58	3920.76
	09/21/10	4037.34	116.49		0.00	0.00	116.49	3920.85
	10/20/10	4037.34	116.60		0.00	0.00	116.60	3920.74
	11/08/10	4037.34	116.52		0.00	0.00	116.52	3920.82
	12/07/10	4037.34	116.57		0.00	0.00	116.57	3920.77

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	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
	12/30/05	3976.92	73.18		0.00	0.00	73.18	3903.74
	01/17/05	3976.92	73.89		0.00	0.00	73.89	3903.03
	02/09/05	3976.92	74.27		0.00	0.00	74.27	3902.65
	03/09/05	3976.92	74.86		0.00	0.00	74.86	3902.06
	04/05/05	3976.92	75.03		0.00	0.00	75.03	3901.89
	05/10/05	3976.92	75.28		0.00	0.00	75.28	3901.64
	06/08/05	3976.92	75.48		0.00	0.00	75.48	3901.44
	07/05/05	3976.92	75.58		0.00	0.00	75.58	3901.34
	08/08/05	3976.92	75.82		0.00	0.00	75.82	3901.10
	09/14/05	3976.92	74.48		0.00	0.00	74.48	3902.44
	10/12/05	3976.92	73.79		0.00	0.00	73.79	3903.13
	11/09/05	3976.92	74.19		0.00	0.00	74.19	3902.73
	12/14/05	3976.92	75.01		0.00	0.00	75.01	3901.91
	01/12/06	3976.92	75.47		0.00	0.00	75.47	3901.45
	02/02/06	3976.92	75.50		0.00	0.00	75.50	3901.42
	03/07/06	3976.92	75.75		0.00	0.00	75.75	3901.17
	04/05/06	3976.92	75.88		0.00	0.00	75.88	3901.04
	05/08/06	3976.92	75.89		0.00	0.00	75.89	3901.03
	06/05/06	3976.92	77.15		0.00	0.00	77.15	3899.77
	07/11/06	3976.92	76.18		0.00	0.00	76.18	3900.74
	08/16/06	3976.92	76.12		0.00	0.00	76.12	3900.80
	09/07/06	3976.92	76.26		0.00	0.00	76.26	3900.66
	06/27/07	± 3976.92	12.45		0.00	0.00	12.45	
	07/19/07	± 3976.92	79.91		0.00	0.00	79.91	
	08/21/07	± 3976.92	76.44		0.00	0.00	76.44	
	09/17/07	± 3976.92	76.58		0.00	0.00	76.58	
	10/16/07	± 3976.92	76.52		0.00	0.00	76.52	
	11/20/07	± 3976.92	76.60		0.00	0.00	76.60	
*	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

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.	03/10/09	3977.52	76.30		0.00	0.00	76.30	3901.22
	04/13/09	3977.52	76.46		0.00	0.00	76.46	3901.06
	05/01/09	3977.52	76.41		0.00	0.00	76.41	3901.11
	06/08/09	3977.52	76.35		0.00	0.00	76.35	3901.17
	07/13/09	3977.52	76.46		0.00	0.00	76.46	3901.06
	08/10/09	3977.52	76.47		0.00	0.00	76.47	3901.05
	09/15/09	3977.52	76.21		0.00	0.00	76.21	3901.31
	10/06/09	3977.52	76.05		0.00	0.00	76.05	3901.47
	11/09/09	3977.52	76.24		0.00	0.00	76.24	3901.28
	12/23/09	3977.52	75.91		0.00	0.00	75.91	3901.61
	01/20/10	3977.52	75.88		0.00	0.00	75.88	3901.64
	02/09/10	3977.52	76.35		0.00	0.00	76.35	3901.17
	03/09/10	3977.52	76.13		0.00	0.00	76.13	3901.39
	04/12/10	3977.52	76.36		0.00	0.00	76.36	3901.16
	05/24/10	3977.52	76.24		0.00	0.00	76.24	3901.28
	06/14/10	3977.52	76.35		0.00	0.00	76.35	3901.17
	07/20/10	3977.52	76.39		0.00	0.00	76.39	3901.13
	08/11/10	3977.52	76.42		0.00	0.00	76.42	3901.10
	09/21/10	3977.52	76.33		0.00	0.00	76.33	3901.19
	10/20/10	3977.52	76.45		0.00	0.00	76.45	3901.07
	11/08/10	3977.52	76.39		0.00	0.00	76.39	3901.13
	12/07/10	3977.52	76.45		0.00	0.00	76.45	3901.07
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
	12/30/05	4002.94	85.50	76.35	9.15	7.32	78.18	3924.76
	01/17/05	4002.94	82.03	76.16	5.87	4.70	77.33	3925.61
	02/09/05	4002.94	84.30	76.99	7.31	5.85	78.45	3924.49
	03/09/05	4002.94	84.20	76.83	7.37	5.90	78.30	3924.64
	04/05/05	4002.94	84.18	76.56	7.62	6.10	78.08	3924.86
	05/10/05	4002.94	84.08	76.42	7.66	6.13	77.95	3924.99
	06/08/05	4002.94	82.13	77.20	4.93	3.94	78.19	3924.75
	07/05/05	4002.94	82.29	77.27	5.02	4.02	78.27	3924.67
	08/08/05	4002.94	82.73	76.89	5.84	4.67	78.06	3924.88
	09/14/05	4002.94	79.55	75.51	4.04	3.23	76.32	3926.62
	10/12/05	4002.94	78.91	75.49	3.42	2.74	76.17	3926.77
	11/09/05	4002.94	78.76	75.44	3.32	2.66	76.10	3926.84
	12/14/05	4002.94	79.87	75.41	4.46	3.57	76.30	3926.64
	01/12/06	4002.94	78.57	75.72	2.85	2.28	76.29	3926.65
	02/02/06	4002.94	79.51	77.03	2.48	1.98	77.53	3925.41
	03/07/06	4002.94	82.32	77.57	4.75	3.80	78.52	3924.42
	04/05/06	4002.94	79.47	79.43	0.04	0.03	79.44	3923.50
	05/08/06	4002.94	78.33	78.01	0.32	0.26	78.07	3924.87
	06/05/06	4002.94	78.61	78.60	0.01	0.01	78.60	3924.34
	07/11/06	4002.94	78.28	77.64	0.64	0.51	77.77	3925.17

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.	08/16/06	4002.94	76.67	76.14	0.53	0.42	76.25	3926.69
	08/30/06	4002.94	76.56	76.04	0.52	0.42	76.14	3926.80
	09/07/06	4002.94	77.87	77.33	0.54	0.43	77.44	3925.50
	10/11/06	4002.94	78.24	77.66	0.58	0.46	77.78	3925.16
	11/08/06	4002.94	77.92	77.92	0.00	0.00	77.92	3925.02
	12/04/06	4002.94	78.43	78.43	0.00	0.00	78.43	3924.51
	01/04/07	4002.94	77.76	77.75	0.01	0.01	77.75	3925.19
	02/27/07	4002.94	77.15	77.14	0.01	0.01	77.14	3925.80
	03/20/07	4002.94	80.27	80.24	0.03	0.02	80.25	3922.69
	04/17/07	4002.94	80.48	80.44	0.04	0.03	80.45	3922.49
	05/07/07	4002.94	78.17	78.12	0.05	0.04	78.13	3924.81
	06/27/07	4002.94	77.88	77.79	0.09	0.07	77.81	3925.13
	07/19/07	4002.94	77.73	77.65	0.08	0.06	77.67	3925.27
	08/21/07	4002.94	77.69	77.61	0.08	0.06	77.63	3925.31
	09/17/07	4002.94	77.60	77.52	0.08	0.06	77.54	3925.40
	10/16/07	4002.94	77.46	77.43	0.03	0.02	77.44	3925.50
	11/20/07	4002.94	77.44	77.37	0.07	0.06	77.38	3925.56
*	12/21/07	4005.60	77.25	77.18	0.07	0.06	77.19	3928.41
	01/22/08	4005.60	76.16	76.08	0.08	0.06	76.10	3929.50
	02/27/08	4005.60	76.15	76.08	0.07	0.06	76.09	3929.51
	03/25/08	4005.60	77.32	77.24	0.08	0.06	77.26	3928.34
	04/29/08	4005.60	77.40	77.32	0.08	0.06	77.34	3928.26
	05/05/08	4005.60	77.27	77.26	0.01	0.01	77.26	3928.34
	06/10/08	4005.60	77.36	77.28	0.08	0.06	77.30	3928.30
	07/15/08	4005.60	77.34	77.26	0.08	0.06	77.28	3928.32
	08/19/08	4005.60	75.35	75.27	0.08	0.06	75.29	3930.31
	09/16/08	4005.60	75.45	75.38	0.07	0.06	75.39	3930.21
	10/15/08	4005.60	76.13	76.05	0.08	0.06	76.07	3929.53
	11/12/08	4005.60	75.45	75.38	0.07	0.06	75.39	3930.21
	12/11/08	4005.60	77.15	77.08	0.07	0.06	77.09	3928.51
	01/13/09	4005.60	77.37	77.31	0.06	0.05	77.32	3928.28
	02/11/09	4005.60	77.20	77.14	0.06	0.05	77.15	3928.45
	03/10/09	4005.60	76.96	76.89	0.07	0.06	76.90	3928.70
	04/13/09	4005.60	77.08	77.01	0.07	0.06	77.02	3928.58
	05/01/09	4005.60	76.93	76.64	0.29	0.23	76.70	3928.90
	06/08/09	4005.60	76.90	76.77	0.13	0.10	76.80	3928.80
	07/13/09	4005.60	76.98	76.75	0.23	0.18	76.80	3928.80
	08/10/09	4005.60	76.97	76.81	0.16	0.13	76.84	3928.76
	09/15/09	4005.60	77.10	76.55	0.55	0.44	76.66	3928.94
	10/06/09	4005.60	77.24	76.58	0.66	0.53	76.71	3928.89
	11/09/09	4005.60	77.51	76.53	0.98	0.78	76.73	3928.87
	12/23/09	4005.60	77.40	76.81	0.59	0.47	76.93	3928.67
	01/20/10	4005.60	77.52	76.01	1.51	1.21	76.31	3929.29
	02/09/10	4005.60	78.82	77.23	1.59	1.27	77.55	3928.05
	03/09/10	4005.60	79.35		0.00	0.00	79.35	3926.25
	04/12/10	4005.60	77.98	77.76	0.22	0.18	77.80	3927.80
	05/24/10	4005.60	77.12	76.74	0.38	0.30	76.82	3928.78
	06/14/10	4005.60	77.51	76.95	0.56	0.45	77.06	3928.54
	07/20/10	4005.60	77.30	76.75	0.55	0.44	76.86	3928.74
	08/11/10	4005.60	77.36	76.81	0.55	0.44	76.92	3928.68
	09/21/10	4005.60	77.29	76.73	0.56	0.45	76.84	3928.76
	09/28/10	4005.60	77.06	76.84	0.22	0.18	76.88	3928.72
	10/20/10	4005.60	77.20	76.80	0.40	0.32	76.88	3928.72
	11/08/10	4005.60	77.18	76.75	0.43	0.34	76.84	3928.76
	12/07/10	4005.60	77.71	77.18	0.53	0.42	77.29	3928.31
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

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.	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
	12/30/05	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	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	74.80	3928.14
	08/30/06	4002.94	74.77	74.66	0.11	0.09	74.68	3928.26
	09/07/06	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
	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

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.	09/16/08	4004.99	74.32	74.28	0.04	0.03	74.29	3930.70
	10/15/08	4004.99	74.28	74.22	0.06	0.05	74.23	3930.76
	11/12/08	4004.99	74.16	74.10	0.06	0.05	74.11	3930.88
	12/11/08	4004.99	74.90	74.85	0.05	0.04	74.86	3930.13
	01/13/09	4004.99	75.12	75.09	0.03	0.02	75.10	3929.89
	02/11/09	4004.99	74.91	74.86	0.05	0.04	74.87	3930.12
	03/10/09	4004.99	74.77	74.73	0.04	0.03	74.74	3930.25
	04/13/09	4004.99	74.86	74.81	0.05	0.04	74.82	3930.17
	05/01/09	4004.99	74.72	74.66	0.06	0.05	74.67	3930.32
	06/08/09	4004.99	74.65	74.60	0.05	0.04	74.61	3930.38
	07/13/09	4004.99	74.73	74.69	0.04	0.03	74.70	3930.29
	08/10/09	4004.99	74.76	74.71	0.05	0.04	74.72	3930.27
	09/15/09	4004.99	74.65	74.60	0.05	0.04	74.61	3930.38
	10/06/09	4004.99	74.61	74.54	0.07	0.06	74.55	3930.44
	11/09/09	4004.99	74.91	74.73	0.18	0.14	74.77	3930.22
	12/23/09	4004.99	74.74	74.22	0.52	0.42	74.32	3930.67
	01/20/10	4004.99	74.86	74.17	0.69	0.55	74.31	3930.68
	02/09/10	4004.99	75.86	75.00	0.86	0.69	75.17	3929.82
	03/09/10	4004.99	75.70	74.54	1.16	0.93	74.77	3930.22
	04/12/10	4004.99	76.47	74.88	1.59	1.27	75.20	3929.79
	05/24/10	4004.99	75.17	74.57	0.60	0.48	74.69	3930.30
	06/14/10	4004.99	76.66		0.00	0.00	76.66	3928.33
	07/20/10	4004.99	75.07	74.81	0.26	0.21	74.86	3930.13
	08/11/10	4004.99	75.14	74.82	0.32	0.26	74.88	3930.11
	09/21/10	4004.99	75.11	74.69	0.42	0.34	74.77	3930.22
	09/28/10	4004.99	75.20	74.88	0.32	0.26	74.94	3930.05
	10/20/10	4004.99	75.28	74.97	0.31	0.25	75.03	3929.96
	11/08/10	4004.99	75.17	74.78	0.39	0.31	74.86	3930.13
	12/07/10	4004.99	75.47	74.97	0.50	0.40	75.07	3929.92
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 25-26, 2010
ConocoPhillips
Maljamar Gas Plant
Lea County, New Mexico

Parameters (mg/L)	WW	MW-2	MW-4	MW-5	MW-6	MW-6 QA*	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	173	282	162	245	166	162	756	332	2,490	2,760	203	544	517	160	299	1,900	1,050	1,850	2,830	
Magnesium	62.3	61.9	50.5	44.2	69.6	68.2	178	105	700	788	42.4	150	43.3	48.6	54	645	51.4	664	1,050	
Potassium	4.39	3.09	7.78	3.10	3.77	3.72	ND	4.44	42.4	47.2	2.81	6.04	3.35	2.45	3.61	21.1	7.34	21.5	74.7	
Sodium	136	65.8	74.0	182	101	100	1,200	118	14,300	14,900	71.9	79.3	52.2	64.6	230	3,240	49.6	1,020	16,300	
Volatile Organic Compounds																				
Benzene	ND	**49**	**0.084**	0.0034	**11**	**10**	ND	**0.039**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01
Ethylbenzene	ND	0.64	0.045	0.029	0.18	0.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.75
Toluene	ND	**13**	ND	0.0012	0.65	0.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.75
Xylenes (total)	ND	0.44	0.0418	0.016	0.10	0.096	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.62
Semivolatile Organic Compounds																				
1-Methylnaphthalene	ND	0.012	0.019	**0.075**	0.006	0.0061	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.03
2-Methylnaphthalene	ND	0.012	0.014	**0.076**	0.0061	0.0063	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	
Acenaphthylene	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	
Benzo(a)anthracene	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	0.0007
Benzo(b)fluoranthene	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	
Benzo(k)fluoranthene	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	
Dibenz(a,h)anthracene	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	
Fluoranthene	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	
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	
Naphthalene	ND	0.013	0.0064	0.011	ND	ND	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	
Pyrene	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	
Bicarbonate Alkalinity	204	313	161	474	230	225	168	139	106	108	196	263	238	262	157	121	245	111	113	
Total Alkalinity	204	313	161	474	230	225	168	139	106	108	196	263	238	262	157	121	245	111	113	
Bromide	ND	4.85	2.34	1.37	1.99	ND	4.49	ND	ND	ND	1.42	4.96	0.885	ND	2.16	11.1	0.97	ND	ND	
Chloride	**473**	**563**	**437**	**501**	**480**	**513**	**4,010**	**1,010**	**59,300**	**47,700**	214	**566**	114	244	**676**	**12,100**	108	**5,620**	**29,600**	250
Nitrate as N	ND	ND	ND	ND	ND	ND	4.56	ND	ND		**17.8**	**13.7**	ND	ND	ND	3.59	0.876	1.05	ND	10
Sulfate	149	1.34	ND	10.9	40.7	34.2	353	142	**1,210**	**1,450**	276	**1,030**	58.3	120	303	**841**	33.2	538	**852**	600
Total Dissolved Solids	**58,800**	**2,090**	**4,550**	**1,640**	**2,330**	**1,940**	**8,200**	**3,630**	**72,000**	**79,000**	**1,500**	**2,430**	640	**1,190**	**1,880**	**32,000**	**1,080**	**19,700**	**40,200**	1,000

Notes:
mg/L = milligrams per liter
ND = Not detected at or above laboratory reporting limits.
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
05/25/10	14:05	2.15	1.07	7.19	26.9	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
04/05/04	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	

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
08/08/05	12:45	129,746.00	18,862.20	354,818.85		0.39	
09/14/05	10:15	141,031.00	11,285.00	366,103.85		0.21	
11/09/05	11:00	141,182.10	151.10	366,254.95			Pump not working
11/15/05	10:00	141,182.10	0.00	366,254.95			Pull pump for repairs
11/21/05	10:30	141,322.20	140.10	366,395.05			Reinstall pump
11/29/05	12:30	149,304.10	7,981.90	374,376.95		0.69	
12/14/05	12:00	155,239.90	5,935.80	380,312.75		0.27	Float switch & freezing problems
01/26/06	12:15	160,817.90	5,578.00	385,890.75		0.09	Float switch & freezing problems
02/02/06	14:30	163,014.50	2,196.60	388,087.35		0.22	Float switch & freezing problems
02/15/06	11:00	173,406.30	10,391.80	398,479.15		0.56	Install heat trace & insulation
02/16/06	12:25	174,273.60	867.30	399,346.45		0.60	
03/07/06	11:05	187,632.40	13,358.80	412,705.25		0.49	
03/23/06	11:15	215,507.00	27,874.60	440,579.85		1.21	
04/05/06	11:43	220,641.00	5,134.00	445,713.85		0.27	
04/18/06	10:00	228,578.50	7,937.50	453,651.35		0.42	
05/08/06	15:31	241,171.50	12,593.00	466,244.35		0.44	
05/11/06	13:40	242,939.70	1,768.20	468,012.55		0.41	
05/12/06	8:22	243,424.10	484.40	468,496.95		0.34	
05/12/06	8:40	243,451.40	27.30	468,524.25		1.52	
06/05/06	12:25	258,570.00	15,118.60	483,642.85		0.44	
07/11/06	12:10	280,703.30	22,133.30	505,776.15		0.43	
08/16/06	8:20	281,423.30	720.00	506,496.15		0.01	Pump off from 7/24/06 f/ tank repairs
08/30/06	10:50	281,484.50	61.20	506,557.35		0.00	Restart pump on 8/30/06
09/20/06	12:42	297,406.90	15,922.40	522,479.75		0.53	
10/11/06	10:40	312,557.10	15,150.20	537,629.95		0.50	
11/08/06	9:00	329,920.90	17,363.80	554,993.75		0.43	Pump off from 11/07/06 tank full
12/04/06	10:10	349,386.10	19,465.20	574,458.95		0.52	
01/04/07	11:05	365,410.80	16,024.70	590,483.65		0.36	
02/27/07	10:50	392,701.40	27,290.60	617,774.25		0.35	
03/20/07	9:15	418,632.10	25,930.70	643,704.95		0.86	
04/17/07	13:56	456,282.30	37,650.20	681,355.15		0.93	
05/07/07	10:46	468,334.40	12,052.10	693,407.25		0.42	
05/08/07	15:17	469,062.40	728.00	694,135.25		0.51	
05/15/07	11:12	495,925.30	26,862.90	720,998.15		2.67	
06/27/07	10:29	500,361.20	4,435.90	725,434.05		0.07	Pump off intermittently f/ tank work
07/19/07	8:45	514,061.50	13,700.30	739,134.35		0.43	
07/19/07	11:25	514,119.20	57.70	739,192.05		0.36	
07/19/07	15:07	514,204.40	85.20	739,277.25		0.38	
07/19/07	16:12	514,251.80	47.40	739,324.65		0.73	
08/21/07	10:55	534,891.20	20,639.40	759,964.05		0.43	
08/21/07	14:23	534,986.50	95.30	760,059.35		0.46	
09/17/07	10:06	551,664.60	16,678.10	776,737.45		0.43	
09/17/07	10:59	551,711.20	46.60	776,784.05		0.88	
10/16/07	8:45	569,938.40	18,227.20	795,011.25		0.44	
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	

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
10/02/08	8:30	709,949.00	44.60	935,021.85		0.00	Replace pump and restart pumping
10/02/08	10:15	710,037.40	88.40	935,110.25		0.70	
10/15/08	9:20	712,327.00	2,289.60	937,399.85		0.12	Repair piping insulation & heat tape
10/15/08	12:42	712,494.70	167.70	937,567.55		1.32	
11/12/08	8:43	721,969.10	9,474.40	947,041.95		0.23	
11/12/08	11:11	722,012.10	43.00	947,084.95		0.34	
12/11/08	9:00	739,633.90	17,621.80	964,706.75		0.42	
12/11/08	10:36	739,673.50	39.60	964,746.35		0.31	
01/13/09	9:19	757,707.20	18,033.70	982,780.05		0.38	
01/13/09	11:12	757,746.40	39.20	982,819.25		0.31	
02/11/09	9:19	773,145.50	15,399.10	998,218.35		0.37	
02/11/09	10:16	773,186.70	41.20	998,259.55		0.32	
03/10/09	9:15	787,205.80	14,019.10	1,012,278.65		0.36	
03/10/09	12:12	787,284.30	78.50	1,012,357.15		0.62	
04/13/09	11:20	805,014.60	17,730.30	1,030,087.45		0.36	
05/01/09	13:05	815,677.00	10,662.40	1,040,749.85		0.41	
06/08/09	11:11	833,037.90	17,360.90	1,058,110.75		0.32	
07/13/09	10:58	850,122.40	17,084.50	1,075,195.25		0.34	
08/10/09	11:00	863,446.60	13,324.20	1,088,519.45		0.33	
09/15/09	10:45	880,356.20	16,909.60	1,105,429.05		0.33	
10/06/09	11:08	890,205.00	9,848.80	1,115,277.85		0.33	
11/09/09	10:34	905,901.70	15,696.70	1,130,974.55		0.32	
12/23/09	11:48	925,741.90	19,840.20	1,150,814.75		0.31	
01/20/10	10:22	937,973.00	12,231.10	1,163,045.85		0.30	
02/09/10	10:49	946,651.00	8,678.00	1,171,723.85		0.30	
03/09/10	10:35	958,080.00	11,429.00	1,183,152.85		0.28	
04/12/10	10:54	972,369.70	14,289.70	1,197,442.55		0.29	
05/24/10	10:28	990,012.80	17,643.10	1,215,085.65		0.29	
06/14/10	10:27	998,522.90	8,510.10	1,223,595.75		0.28	
07/20/10	10:12	1,012,908.80	14,385.90	1,237,981.65		0.28	
08/11/10	9:49	1,021,696.40	8,787.60	1,246,769.25		0.28	
09/21/10	11:14	1,038,378.10	16,681.70	1,263,450.95		0.28	
09/28/10	11:30	1,040,828.30	2,450.20	1,265,901.15		0.24	
10/20/10	10:45	1,049,402.70	8,574.40	1,274,475.55		0.27	
11/08/10	10:52	1,057,100.30	7,697.60	1,282,173.15		0.28	
12/07/10	10:42	1,072,691.90	15,591.60	1,297,764.75		0.37	

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	
01/20/10	10:24	77,800.50	2,544.40	77,800.50		0.06	
02/09/10	10:52	79,708.50	1,908.00	79,708.50		0.07	
03/09/10	9:55	82,397.30	2,688.80	82,397.30		0.07	
04/12/10	10:11	85,673.80	3,276.50	85,673.80		0.07	
05/24/10	10:31	89,679.00	4,005.20	89,679.00		0.07	
06/14/10	10:30	91,603.10	1,924.10	91,603.10		0.06	
07/20/10	10:18	95,002.00	3,398.90	95,002.00		0.07	
08/11/10	9:52	97,087.30	2,085.30	97,087.30		0.07	
09/21/10	11:16	100,951.00	3,863.70	100,951.00		0.07	
10/20/10	10:20	103,693.70	2,742.70	103,693.70		0.07	
11/08/10	10:12	105,505.00	1,811.30	105,505.00		0.07	
12/07/10	10:46	108,229.50	2,724.50	108,229.50		0.07	

APPENDIX A

Laboratory Analytical Data

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

Conoco Phillips

Certificate of Analysis Number:

10050805

Report To:		Project Name:	COP Maljamar
Tetra Tech		Site:	Midland, TX
Greg Pope		Site Address:	
1910 N. Big Spring St			
Midland		PO Number:	
TX		State:	New Mexico
79705-		State Cert. No.:	
ph: (432) 682-4559	fax:	Date Reported:	6/8/2010

This Report Contains A Total Of 58 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

6/8/2010

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:

10050805

Report To:		Project Name:	COP Maljamar
Tetra Tech		Site:	Midland, TX
Greg Pope		Site Address:	
1910 N. Big Spring St			
Midland		PO Number:	
TX		State:	New Mexico
79705-		State Cert. No.:	
ph: (432) 682-4559	fax:	Date Reported:	6/8/2010

I. SAMPLE RECEIPT:

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

II: ANALYSIS AND EXCEPTIONS:

SW8270C - Semivolatile Organics analysis:

Due to limited sample volume, a Matrix Spike (MS) or Matrix Spike Duplicate (MSD) was not extracted for Batch ID: 100015. 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.

EPA300.0- Ion Chromatography:

Sample ID "Dup #1" (SPL ID: 10050805-12) was randomly selected for use in SPL's quality control program for Batch ID: R301856. The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries were outside of the advisory quality control limits due to possible matrix interference for Nitrogen,Nitrate (As N). A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Sample ID "MW-11" (SPL ID: 10050805-06) was randomly selected for use in SPL's quality control program for Batch ID: R301856A. The Matrix Spike Duplicate (MSD) recovery was outside of the advisory quality control limits due to possible matrix interference for Nitrogen,Nitrate (As N). A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Sample ID "MW-11" (SPL ID: 10050805-06) was randomly selected for use in SPL's quality control program for Batch ID: R301860A. The Matrix Spike Duplicate (MSD) recovery was outside of the advisory quality control limits due to possible matrix interference for Bromide. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

III. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg\kg-dry " or " ug\kg-dry ").

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.

6/8/2010

Erica Cardenas
Project Manager

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:

10050805

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.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

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

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or by his designee, as verified by the following signature.

Erica Cardenas

6/8/2010

Erica Cardenas
Project Manager

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:

10050805

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
Site: Midland, TX
Site Address:

PO Number:
State: New Mexico
State Cert. No.:
Date Reported: 6/8/2010

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-19	10050805-01	Water	05/25/2010 8:45	5/26/2010 9:30:00 AM		☐
MW-13	10050805-02	Water	05/25/2010 9:40	5/26/2010 9:30:00 AM		☐
MW-15	10050805-03	Water	05/25/2010 10:00	5/26/2010 9:30:00 AM		☐
MW-16	10050805-04	Water	05/25/2010 10:50	5/26/2010 9:30:00 AM		☐
MW-17	10050805-05	Water	05/25/2010 9:15	5/26/2010 9:30:00 AM		☐
MW-11	10050805-06	Water	05/25/2010 12:15	5/26/2010 9:30:00 AM	331490	☐
MW-14	10050805-07	Water	05/25/2010 12:50	5/26/2010 9:30:00 AM	331490	☐
MW-20	10050805-08	Water	05/25/2010 13:25	5/26/2010 9:30:00 AM	331490	☐
WW	10050805-09	Water	05/25/2010 13:45	5/26/2010 9:30:00 AM	331491	☐
EW-1	10050805-10	Water	05/25/2010 14:25	5/26/2010 9:30:00 AM	331491	☐
MW-6	10050805-11	Water	05/25/2010 14:10	5/26/2010 9:30:00 AM	331492	☐
Dup #1	10050805-12	Water	05/25/2010 0:00	5/26/2010 9:30:00 AM	331492	☐
Trip Blank	10050805-13	Water	05/25/2010 15:00	5/26/2010 9:30:00 AM	331492	☐

Erica Cardenas
Project Manager

6/8/2010
Date

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

Ted Yen
Quality Assurance Officer

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

Client Sample ID: MW-19 **Collected:** 05/25/2010 8:45 **SPL Sample ID:** 10050805-01

Site: Midland, TX

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)	245		2	1	05/28/10 14:30	PAC	5497901
ALKALINITY, BICARBONATE			**MCL**	**SM2320B**	**Units: mg/L**		
Alkalinity, Bicarbonate	245		2	1	05/28/10 14:30	PAC	5497916
ALKALINITY, CARBONATE			**MCL**	**SM2320B**	**Units: mg/L**		
Alkalinity, Carbonate	ND		2	1	05/28/10 14:30	PAC	5497931
ION CHROMATOGRAPHY			**MCL**	**E300.0**	**Units: mg/L**		
Bromide	0.97		0.5	1	05/26/10 17:29	CFS	5496894
Chloride	108		10	20	06/04/10 16:17	ESK	5504852
Sulfate	33.2		10	20	06/04/10 16:17	ESK	5504852
Nitrogen,Nitrate (As N)	0.876		0.5	1	05/26/10 17:29	CFS	5496807
METALS BY METHOD 6010B, TOTAL			**MCL**	**SW6010B**	**Units: mg/L**		
Calcium	1050		1	10	06/06/10 19:31	EG	5505209
Magnesium	51.4		0.1	1	06/05/10 6:55	EG	5505250
Potassium	7.34		1	1	06/05/10 6:55	EG	5505250
Sodium	49.6		0.1	1	06/06/10 19:25	EG	5505208

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/27/2010 11:30	F_S	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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-19 **Collected:** 05/25/2010 8:45 **SPL Sample ID:** 10050805-01

Site: Midland, TX

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		5.2	1	05/28/10 21:52	E_R	5498938
2-Methylnaphthalene	ND		5.2	1	05/28/10 21:52	E_R	5498938
Acenaphthene	ND		5.2	1	05/28/10 21:52	E_R	5498938
Acenaphthylene	ND		5.2	1	05/28/10 21:52	E_R	5498938
Anthracene	ND		5.2	1	05/28/10 21:52	E_R	5498938
Benz(a)anthracene	ND		5.2	1	05/28/10 21:52	E_R	5498938
Benzo(a)pyrene	ND		5.2	1	05/28/10 21:52	E_R	5498938
Benzo(b)fluoranthene	ND		5.2	1	05/28/10 21:52	E_R	5498938
Benzo(g,h,i)perylene	ND		5.2	1	05/28/10 21:52	E_R	5498938
Benzo(k)fluoranthene	ND		5.2	1	05/28/10 21:52	E_R	5498938
Chrysene	ND		5.2	1	05/28/10 21:52	E_R	5498938
Dibenz(a,h)anthracene	ND		5.2	1	05/28/10 21:52	E_R	5498938
Dibenzofuran	ND		5.2	1	05/28/10 21:52	E_R	5498938
Fluoranthene	ND		5.2	1	05/28/10 21:52	E_R	5498938
Fluorene	ND		5.2	1	05/28/10 21:52	E_R	5498938
Indeno(1,2,3-cd)pyrene	ND		5.2	1	05/28/10 21:52	E_R	5498938
Naphthalene	ND		5.2	1	05/28/10 21:52	E_R	5498938
Phenanthrene	ND		5.2	1	05/28/10 21:52	E_R	5498938
Pyrene	ND		5.2	1	05/28/10 21:52	E_R	5498938
Surr: 2-Fluorobiphenyl	74.1		% 45-108	1	05/28/10 21:52	E_R	5498938
Surr: Nitrobenzene-d5	73.5		% 41-113	1	05/28/10 21:52	E_R	5498938
Surr: Terphenyl-d14	80.9		% 43-122	1	05/28/10 21:52	E_R	5498938

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/27/2010 14:26	A_G	1.03

TOTAL DISSOLVED SOLIDS			MCL	SM2540 C	Units: mg/L		
Total Dissolved Solids (Residue,Filterable)	1080		100	10	05/27/10 15:00	CFS	5498965

VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/L		
Benzene	ND		1	1	05/27/10 19:32	LU_L	5497188
Ethylbenzene	ND		1	1	05/27/10 19:32	LU_L	5497188
Toluene	ND		1	1	05/27/10 19:32	LU_L	5497188
m,p-Xylene	ND		1	1	05/27/10 19:32	LU_L	5497188
o-Xylene	ND		1	1	05/27/10 19:32	LU_L	5497188
Xylenes,Total	ND		1	1	05/27/10 19:32	LU_L	5497188
Surr: 1,2-Dichloroethane-d4	89.8		% 70-130	1	05/27/10 19:32	LU_L	5497188
Surr: 4-Bromofluorobenzene	104		% 74-125	1	05/27/10 19:32	LU_L	5497188
Surr: Toluene-d8	94.3		% 82-118	1	05/27/10 19:32	LU_L	5497188

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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-13 **Collected:** 05/25/2010 9:40 **SPL Sample ID:** 10050805-02

Site: Midland, TX

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)	196		2	1	05/28/10 14:30	PAC	5497902
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Bicarbonate	196		2	1	05/28/10 14:30	PAC	5497917
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Carbonate	ND		2	1	05/28/10 14:30	PAC	5497932
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	1.42		0.5	1	05/26/10 17:46	CFS	5496895
Chloride	214		25	50	06/04/10 17:08	ESK	5504855
Sulfate	276		25	50	06/04/10 17:08	ESK	5504855
Nitrogen,Nitrate (As N)	17.8		0.5	1	05/26/10 17:46	CFS	5496808
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	203		0.1	1	06/05/10 7:02	EG	5505251
Magnesium	42.4		0.1	1	06/05/10 7:02	EG	5505251
Potassium	2.81		1	1	06/05/10 7:02	EG	5505251
Sodium	71.9		0.1	1	06/06/10 19:37	EG	5505210

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/27/2010 11:30	F_S	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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-13 **Collected:** 05/25/2010 9:40 **SPL Sample ID:** 10050805-02

Site: Midland, TX

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			5.4	1	05/28/10 22:25	E_R	5498939
2-Methylnaphthalene	ND			5.4	1	05/28/10 22:25	E_R	5498939
Acenaphthene	ND			5.4	1	05/28/10 22:25	E_R	5498939
Acenaphthylene	ND			5.4	1	05/28/10 22:25	E_R	5498939
Anthracene	ND			5.4	1	05/28/10 22:25	E_R	5498939
Benz(a)anthracene	ND			5.4	1	05/28/10 22:25	E_R	5498939
Benzo(a)pyrene	ND			5.4	1	05/28/10 22:25	E_R	5498939
Benzo(b)fluoranthene	ND			5.4	1	05/28/10 22:25	E_R	5498939
Benzo(g,h,i)perylene	ND			5.4	1	05/28/10 22:25	E_R	5498939
Benzo(k)fluoranthene	ND			5.4	1	05/28/10 22:25	E_R	5498939
Chrysene	ND			5.4	1	05/28/10 22:25	E_R	5498939
Dibenz(a,h)anthracene	ND			5.4	1	05/28/10 22:25	E_R	5498939
Dibenzofuran	ND			5.4	1	05/28/10 22:25	E_R	5498939
Fluoranthene	ND			5.4	1	05/28/10 22:25	E_R	5498939
Fluorene	ND			5.4	1	05/28/10 22:25	E_R	5498939
Indeno(1,2,3-cd)pyrene	ND			5.4	1	05/28/10 22:25	E_R	5498939
Naphthalene	ND			5.4	1	05/28/10 22:25	E_R	5498939
Phenanthrene	ND			5.4	1	05/28/10 22:25	E_R	5498939
Pyrene	ND			5.4	1	05/28/10 22:25	E_R	5498939
Surr: 2-Fluorobiphenyl	76.0		%	45-108	1	05/28/10 22:25	E_R	5498939
Surr: Nitrobenzene-d5	72.1		%	41-113	1	05/28/10 22:25	E_R	5498939
Surr: Terphenyl-d14	71.2		%	43-122	1	05/28/10 22:25	E_R	5498939

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/27/2010 14:26	A_G	1.09

TOTAL DISSOLVED SOLIDS				MCL	SM2540 C	Units: mg/L		
Total Dissolved Solids (Residue,Filterable)	1500			100	10	05/27/10 15:00	CFS	5498967
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L		
Benzene	ND			1	1	05/27/10 20:52	LU_L	5497191
Ethylbenzene	ND			1	1	05/27/10 20:52	LU_L	5497191
Toluene	ND			1	1	05/27/10 20:52	LU_L	5497191
m,p-Xylene	ND			1	1	05/27/10 20:52	LU_L	5497191
o-Xylene	ND			1	1	05/27/10 20:52	LU_L	5497191
Xylenes,Total	ND			1	1	05/27/10 20:52	LU_L	5497191
Surr: 1,2-Dichloroethane-d4	93.8		%	70-130	1	05/27/10 20:52	LU_L	5497191
Surr: 4-Bromofluorobenzene	104		%	74-125	1	05/27/10 20:52	LU_L	5497191
Surr: Toluene-d8	92.1		%	82-118	1	05/27/10 20:52	LU_L	5497191

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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-15 **Collected:** 05/25/2010 10:00 **SPL Sample ID:** 10050805-03

Site: Midland, TX

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)	238		2	1	05/28/10 14:30	PAC	5497903
ALKALINITY, BICARBONATE			**MCL**	**SM2320B**	**Units: mg/L**		
Alkalinity, Bicarbonate	238		2	1	05/28/10 14:30	PAC	5497918
ALKALINITY, CARBONATE			**MCL**	**SM2320B**	**Units: mg/L**		
Alkalinity, Carbonate	ND		2	1	05/28/10 14:30	PAC	5497933
ION CHROMATOGRAPHY			**MCL**	**E300.0**	**Units: mg/L**		
Bromide	0.885		0.5	1	05/26/10 18:03	CFS	5496896
Chloride	114		10	20	06/05/10 16:03	ESK	5504869
Sulfate	58.3		10	20	06/05/10 16:03	ESK	5504869
Nitrogen,Nitrate (As N)	ND		0.5	1	05/26/10 18:03	CFS	5496809
METALS BY METHOD 6010B, TOTAL			**MCL**	**SW6010B**	**Units: mg/L**		
Calcium	517		1	10	06/06/10 19:49	EG	5505212
Magnesium	43.3		0.1	1	06/05/10 7:08	EG	5505252
Potassium	3.35		1	1	06/05/10 7:08	EG	5505252
Sodium	52.2		0.1	1	06/06/10 19:43	EG	5505211

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/27/2010 11:30	F_S	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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-15 **Collected:** 05/25/2010 10:00 **SPL Sample ID:** 10050805-03

Site: Midland, TX

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		5.5	1	05/28/10 22:58	E_R	5498940
2-Methylnaphthalene	ND		5.5	1	05/28/10 22:58	E_R	5498940
Acenaphthene	ND		5.5	1	05/28/10 22:58	E_R	5498940
Acenaphthylene	ND		5.5	1	05/28/10 22:58	E_R	5498940
Anthracene	ND		5.5	1	05/28/10 22:58	E_R	5498940
Benz(a)anthracene	ND		5.5	1	05/28/10 22:58	E_R	5498940
Benzo(a)pyrene	ND		5.5	1	05/28/10 22:58	E_R	5498940
Benzo(b)fluoranthene	ND		5.5	1	05/28/10 22:58	E_R	5498940
Benzo(g,h,i)perylene	ND		5.5	1	05/28/10 22:58	E_R	5498940
Benzo(k)fluoranthene	ND		5.5	1	05/28/10 22:58	E_R	5498940
Chrysene	ND		5.5	1	05/28/10 22:58	E_R	5498940
Dibenz(a,h)anthracene	ND		5.5	1	05/28/10 22:58	E_R	5498940
Dibenzofuran	ND		5.5	1	05/28/10 22:58	E_R	5498940
Fluoranthene	ND		5.5	1	05/28/10 22:58	E_R	5498940
Fluorene	ND		5.5	1	05/28/10 22:58	E_R	5498940
Indeno(1,2,3-cd)pyrene	ND		5.5	1	05/28/10 22:58	E_R	5498940
Naphthalene	ND		5.5	1	05/28/10 22:58	E_R	5498940
Phenanthrene	ND		5.5	1	05/28/10 22:58	E_R	5498940
Pyrene	ND		5.5	1	05/28/10 22:58	E_R	5498940
Surr: 2-Fluorobiphenyl	75.9	%	45-108	1	05/28/10 22:58	E_R	5498940
Surr: Nitrobenzene-d5	75.3	%	41-113	1	05/28/10 22:58	E_R	5498940
Surr: Terphenyl-d14	78.3	%	43-122	1	05/28/10 22:58	E_R	5498940

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/27/2010 14:26	A_G	1.10

TOTAL DISSOLVED SOLIDS			MCL	SM2540 C	Units: mg/L		
Total Dissolved Solids (Residue,Filterable)	640		100	10	05/27/10 15:00	CFS	5498968
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND		1	1	05/27/10 21:18	LU_L	5497192
Ethylbenzene	ND		1	1	05/27/10 21:18	LU_L	5497192
Toluene	ND		1	1	05/27/10 21:18	LU_L	5497192
m,p-Xylene	ND		1	1	05/27/10 21:18	LU_L	5497192
o-Xylene	ND		1	1	05/27/10 21:18	LU_L	5497192
Xylenes,Total	ND		1	1	05/27/10 21:18	LU_L	5497192
Surr: 1,2-Dichloroethane-d4	93.7	%	70-130	1	05/27/10 21:18	LU_L	5497192
Surr: 4-Bromofluorobenzene	103	%	74-125	1	05/27/10 21:18	LU_L	5497192
Surr: Toluene-d8	93.9	%	82-118	1	05/27/10 21:18	LU_L	5497192

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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:** 05/25/2010 10:50 **SPL Sample ID:** 10050805-04

Site: Midland, TX

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)	262		2	1	05/28/10 14:30	PAC	5497904
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Bicarbonate	262		2	1	05/28/10 14:30	PAC	5497919
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Carbonate	ND		2	1	05/28/10 14:30	PAC	5497934
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	ND		0.5	1	05/26/10 18:20	CFS	5496897
Chloride	244		25	50	06/04/10 17:42	ESK	5504856
Sulfate	120		25	50	06/04/10 17:42	ESK	5504856
Nitrogen,Nitrate (As N)	ND		0.5	1	05/26/10 18:20	CFS	5496810
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	160		0.1	1	06/05/10 6:02	EG	5505244
Magnesium	48.6		0.1	1	06/05/10 6:02	EG	5505244
Potassium	2.45		1	1	06/05/10 6:02	EG	5505244
Sodium	64.6		0.1	1	06/05/10 6:02	EG	5505244

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/27/2010 11:30	F_S	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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:** 05/25/2010 10:50 **SPL Sample ID:** 10050805-04

Site: Midland, TX

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			5.2	1	05/28/10 23:31	E_R	5498941
2-Methylnaphthalene	ND			5.2	1	05/28/10 23:31	E_R	5498941
Acenaphthene	ND			5.2	1	05/28/10 23:31	E_R	5498941
Acenaphthylene	ND			5.2	1	05/28/10 23:31	E_R	5498941
Anthracene	ND			5.2	1	05/28/10 23:31	E_R	5498941
Benz(a)anthracene	ND			5.2	1	05/28/10 23:31	E_R	5498941
Benzo(a)pyrene	ND			5.2	1	05/28/10 23:31	E_R	5498941
Benzo(b)fluoranthene	ND			5.2	1	05/28/10 23:31	E_R	5498941
Benzo(g,h,i)perylene	ND			5.2	1	05/28/10 23:31	E_R	5498941
Benzo(k)fluoranthene	ND			5.2	1	05/28/10 23:31	E_R	5498941
Chrysene	ND			5.2	1	05/28/10 23:31	E_R	5498941
Dibenz(a,h)anthracene	ND			5.2	1	05/28/10 23:31	E_R	5498941
Dibenzofuran	ND			5.2	1	05/28/10 23:31	E_R	5498941
Fluoranthene	ND			5.2	1	05/28/10 23:31	E_R	5498941
Fluorene	ND			5.2	1	05/28/10 23:31	E_R	5498941
Indeno(1,2,3-cd)pyrene	ND			5.2	1	05/28/10 23:31	E_R	5498941
Naphthalene	ND			5.2	1	05/28/10 23:31	E_R	5498941
Phenanthrene	ND			5.2	1	05/28/10 23:31	E_R	5498941
Pyrene	ND			5.2	1	05/28/10 23:31	E_R	5498941
Surr: 2-Fluorobiphenyl	83.1		%	45-108	1	05/28/10 23:31	E_R	5498941
Surr: Nitrobenzene-d5	79.9		%	41-113	1	05/28/10 23:31	E_R	5498941
Surr: Terphenyl-d14	83.5		%	43-122	1	05/28/10 23:31	E_R	5498941

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/27/2010 14:26	A_G	1.04

TOTAL DISSOLVED SOLIDS				**MCL**	**SM2540 C**	**Units: mg/L**		
Total Dissolved Solids (Residue,Filterable)	1190			100	10	05/27/10 15:00	CFS	5498969

VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND			1	1	05/29/10 19:28	LU_L	5499683
Ethylbenzene	ND			1	1	05/29/10 19:28	LU_L	5499683
Toluene	ND			1	1	05/29/10 19:28	LU_L	5499683
m,p-Xylene	ND			1	1	05/29/10 19:28	LU_L	5499683
o-Xylene	ND			1	1	05/29/10 19:28	LU_L	5499683
Xylenes,Total	ND			1	1	05/29/10 19:28	LU_L	5499683
Surr: 1,2-Dichloroethane-d4	96.8		%	70-130	1	05/29/10 19:28	LU_L	5499683
Surr: 4-Bromofluorobenzene	105		%	74-125	1	05/29/10 19:28	LU_L	5499683
Surr: Toluene-d8	98.8		%	82-118	1	05/29/10 19:28	LU_L	5499683

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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:** 05/25/2010 9:15 **SPL Sample ID:** 10050805-05

Site: Midland, TX

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)	157		2	1	05/28/10 14:30	PAC	5497906
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Bicarbonate	157		2	1	05/28/10 14:30	PAC	5497921
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Carbonate	ND		2	1	05/28/10 14:30	PAC	5497936
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	2.16		0.5	1	05/26/10 18:37	CFS	5496898
Chloride	676		50	100	06/04/10 17:59	ESK	5504857
Sulfate	303		50	100	06/04/10 17:59	ESK	5504857
Nitrogen,Nitrate (As N)	ND		0.5	1	05/26/10 18:37	CFS	5496811
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	299		0.1	1	06/05/10 7:14	EG	5505253
Magnesium	54		0.1	1	06/05/10 7:14	EG	5505253
Potassium	3.61		1	1	06/05/10 7:14	EG	5505253
Sodium	230		0.1	1	06/06/10 19:55	EG	5505213

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/27/2010 11:30	F_S	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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:** 05/25/2010 9:15 **SPL Sample ID:** 10050805-05

Site: Midland, TX

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		5.6	1	05/29/10 0:04	E_R	5498942
2-Methylnaphthalene	ND		5.6	1	05/29/10 0:04	E_R	5498942
Acenaphthene	ND		5.6	1	05/29/10 0:04	E_R	5498942
Acenaphthylene	ND		5.6	1	05/29/10 0:04	E_R	5498942
Anthracene	ND		5.6	1	05/29/10 0:04	E_R	5498942
Benz(a)anthracene	ND		5.6	1	05/29/10 0:04	E_R	5498942
Benzo(a)pyrene	ND		5.6	1	05/29/10 0:04	E_R	5498942
Benzo(b)fluoranthene	ND		5.6	1	05/29/10 0:04	E_R	5498942
Benzo(g,h,i)perylene	ND		5.6	1	05/29/10 0:04	E_R	5498942
Benzo(k)fluoranthene	ND		5.6	1	05/29/10 0:04	E_R	5498942
Chrysene	ND		5.6	1	05/29/10 0:04	E_R	5498942
Dibenz(a,h)anthracene	ND		5.6	1	05/29/10 0:04	E_R	5498942
Dibenzofuran	ND		5.6	1	05/29/10 0:04	E_R	5498942
Fluoranthene	ND		5.6	1	05/29/10 0:04	E_R	5498942
Fluorene	ND		5.6	1	05/29/10 0:04	E_R	5498942
Indeno(1,2,3-cd)pyrene	ND		5.6	1	05/29/10 0:04	E_R	5498942
Naphthalene	ND		5.6	1	05/29/10 0:04	E_R	5498942
Phenanthrene	ND		5.6	1	05/29/10 0:04	E_R	5498942
Pyrene	ND		5.6	1	05/29/10 0:04	E_R	5498942
Surr: 2-Fluorobiphenyl	84.1		% 45-108	1	05/29/10 0:04	E_R	5498942
Surr: Nitrobenzene-d5	76.9		% 41-113	1	05/29/10 0:04	E_R	5498942
Surr: Terphenyl-d14	88.6		% 43-122	1	05/29/10 0:04	E_R	5498942

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/27/2010 14:26	A_G	1.11

TOTAL DISSOLVED SOLIDS			MCL	SM2540 C	Units: mg/L		
Total Dissolved Solids (Residue,Filterable)	1880		100	10	05/27/10 15:00	CFS	5498970

VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/L		
Benzene	ND		1	1	05/29/10 19:55	LU_L	5499684
Ethylbenzene	ND		1	1	05/29/10 19:55	LU_L	5499684
Toluene	ND		1	1	05/29/10 19:55	LU_L	5499684
m,p-Xylene	ND		1	1	05/29/10 19:55	LU_L	5499684
o-Xylene	ND		1	1	05/29/10 19:55	LU_L	5499684
Xylenes,Total	ND		1	1	05/29/10 19:55	LU_L	5499684
Surr: 1,2-Dichloroethane-d4	98.4		% 70-130	1	05/29/10 19:55	LU_L	5499684
Surr: 4-Bromofluorobenzene	106		% 74-125	1	05/29/10 19:55	LU_L	5499684
Surr: Toluene-d8	97.6		% 82-118	1	05/29/10 19:55	LU_L	5499684

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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:** 05/25/2010 12:15 **SPL Sample ID:** 10050805-06

Site: Midland, TX

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)	139		2	1	05/28/10 14:30	PAC	5497907
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Bicarbonate	139		2	1	05/28/10 14:30	PAC	5497922
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Carbonate	ND		2	1	05/28/10 14:30	PAC	5497937
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	ND		0.5	1	05/26/10 18:54	CFS	5496899
Chloride	1010		50	100	06/04/10 18:16	ESK	5504858
Sulfate	142		50	100	06/04/10 18:16	ESK	5504858
Nitrogen,Nitrate (As N)	ND		0.5	1	05/26/10 18:54	CFS	5496812
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	332		0.1	1	06/05/10 7:20	EG	5505254
Magnesium	105		0.1	1	06/05/10 7:20	EG	5505254
Potassium	4.44		1	1	06/05/10 7:20	EG	5505254
Sodium	118		0.1	1	06/06/10 20:02	EG	5505214

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/27/2010 11:30	F_S	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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:** 05/25/2010 12:15 **SPL Sample ID:** 10050805-06

Site: Midland, TX

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		5.4	1	05/29/10 0:38	E_R	5498943
2-Methylnaphthalene	ND		5.4	1	05/29/10 0:38	E_R	5498943
Acenaphthene	ND		5.4	1	05/29/10 0:38	E_R	5498943
Acenaphthylene	ND		5.4	1	05/29/10 0:38	E_R	5498943
Anthracene	ND		5.4	1	05/29/10 0:38	E_R	5498943
Benz(a)anthracene	ND		5.4	1	05/29/10 0:38	E_R	5498943
Benzo(a)pyrene	ND		5.4	1	05/29/10 0:38	E_R	5498943
Benzo(b)fluoranthene	ND		5.4	1	05/29/10 0:38	E_R	5498943
Benzo(g,h,i)perylene	ND		5.4	1	05/29/10 0:38	E_R	5498943
Benzo(k)fluoranthene	ND		5.4	1	05/29/10 0:38	E_R	5498943
Chrysene	ND		5.4	1	05/29/10 0:38	E_R	5498943
Dibenz(a,h)anthracene	ND		5.4	1	05/29/10 0:38	E_R	5498943
Dibenzofuran	ND		5.4	1	05/29/10 0:38	E_R	5498943
Fluoranthene	ND		5.4	1	05/29/10 0:38	E_R	5498943
Fluorene	ND		5.4	1	05/29/10 0:38	E_R	5498943
Indeno(1,2,3-cd)pyrene	ND		5.4	1	05/29/10 0:38	E_R	5498943
Naphthalene	ND		5.4	1	05/29/10 0:38	E_R	5498943
Phenanthrene	ND		5.4	1	05/29/10 0:38	E_R	5498943
Pyrene	ND		5.4	1	05/29/10 0:38	E_R	5498943
Surr: 2-Fluorobiphenyl	84.6		% 45-108	1	05/29/10 0:38	E_R	5498943
Surr: Nitrobenzene-d5	73.8		% 41-113	1	05/29/10 0:38	E_R	5498943
Surr: Terphenyl-d14	77.7		% 43-122	1	05/29/10 0:38	E_R	5498943

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/27/2010 14:26	A_G	1.08

TOTAL DISSOLVED SOLIDS			MCL	SM2540 C	Units: mg/L		
Total Dissolved Solids (Residue,Filterable)	3630		100	10	05/27/10 15:00	CFS	5498971
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	39		1	1	05/29/10 20:21	LU_L	5499685
Ethylbenzene	ND		1	1	05/29/10 20:21	LU_L	5499685
Toluene	ND		1	1	05/29/10 20:21	LU_L	5499685
m,p-Xylene	ND		1	1	05/29/10 20:21	LU_L	5499685
o-Xylene	ND		1	1	05/29/10 20:21	LU_L	5499685
Xylenes,Total	ND		1	1	05/29/10 20:21	LU_L	5499685
Surr: 1,2-Dichloroethane-d4	96.5		% 70-130	1	05/29/10 20:21	LU_L	5499685
Surr: 4-Bromofluorobenzene	106		% 74-125	1	05/29/10 20:21	LU_L	5499685
Surr: Toluene-d8	99.2		% 82-118	1	05/29/10 20:21	LU_L	5499685

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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* - 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:** 05/25/2010 12:50 **SPL Sample ID:** 10050805-07

Site: Midland, TX

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)	263		2	1	05/28/10 14:30	PAC	5497908
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Bicarbonate	263		2	1	05/28/10 14:30	PAC	5497923
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Carbonate	ND		2	1	05/28/10 14:30	PAC	5497938
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	4.96		0.5	1	05/26/10 20:19	CFS	5496904
Chloride	566		50	100	06/04/10 18:33	ESK	5504859
Sulfate	1030		50	100	06/04/10 18:33	ESK	5504859
Nitrogen,Nitrate (As N)	13.7		0.5	1	05/26/10 20:19	CFS	5496817
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	544		1	10	06/06/10 20:14	EG	5505216
Magnesium	150		0.1	1	06/05/10 7:27	EG	5505255
Potassium	6.04		1	1	06/05/10 7:27	EG	5505255
Sodium	79.3		0.1	1	06/06/10 20:08	EG	5505215

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/27/2010 11:30	F_S	1.00

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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* - 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:** 05/25/2010 12:50 **SPL Sample ID:** 10050805-07

Site: Midland, TX

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		5.4	1	05/29/10 1:11	E_R	5498944
2-Methylnaphthalene	ND		5.4	1	05/29/10 1:11	E_R	5498944
Acenaphthene	ND		5.4	1	05/29/10 1:11	E_R	5498944
Acenaphthylene	ND		5.4	1	05/29/10 1:11	E_R	5498944
Anthracene	ND		5.4	1	05/29/10 1:11	E_R	5498944
Benz(a)anthracene	ND		5.4	1	05/29/10 1:11	E_R	5498944
Benzo(a)pyrene	ND		5.4	1	05/29/10 1:11	E_R	5498944
Benzo(b)fluoranthene	ND		5.4	1	05/29/10 1:11	E_R	5498944
Benzo(g,h,i)perylene	ND		5.4	1	05/29/10 1:11	E_R	5498944
Benzo(k)fluoranthene	ND		5.4	1	05/29/10 1:11	E_R	5498944
Chrysene	ND		5.4	1	05/29/10 1:11	E_R	5498944
Dibenz(a,h)anthracene	ND		5.4	1	05/29/10 1:11	E_R	5498944
Dibenzofuran	ND		5.4	1	05/29/10 1:11	E_R	5498944
Fluoranthene	ND		5.4	1	05/29/10 1:11	E_R	5498944
Fluorene	ND		5.4	1	05/29/10 1:11	E_R	5498944
Indeno(1,2,3-cd)pyrene	ND		5.4	1	05/29/10 1:11	E_R	5498944
Naphthalene	ND		5.4	1	05/29/10 1:11	E_R	5498944
Phenanthrene	ND		5.4	1	05/29/10 1:11	E_R	5498944
Pyrene	ND		5.4	1	05/29/10 1:11	E_R	5498944
Surr: 2-Fluorobiphenyl	86.3		% 45-108	1	05/29/10 1:11	E_R	5498944
Surr: Nitrobenzene-d5	82.2		% 41-113	1	05/29/10 1:11	E_R	5498944
Surr: Terphenyl-d14	82.2		% 43-122	1	05/29/10 1:11	E_R	5498944

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/27/2010 14:26	A_G	1.08

TOTAL DISSOLVED SOLIDS			**MCL**	**SM2540 C**	**Units: mg/L**		
Total Dissolved Solids (Residue,Filterable)	2430		100	10	05/27/10 15:00	CFS	5498972
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND		1	1	05/29/10 20:47	LU_L	5499686
Ethylbenzene	ND		1	1	05/29/10 20:47	LU_L	5499686
Toluene	ND		1	1	05/29/10 20:47	LU_L	5499686
m,p-Xylene	ND		1	1	05/29/10 20:47	LU_L	5499686
o-Xylene	ND		1	1	05/29/10 20:47	LU_L	5499686
Xylenes,Total	ND		1	1	05/29/10 20:47	LU_L	5499686
Surr: 1,2-Dichloroethane-d4	96.4		% 70-130	1	05/29/10 20:47	LU_L	5499686
Surr: 4-Bromofluorobenzene	105		% 74-125	1	05/29/10 20:47	LU_L	5499686
Surr: Toluene-d8	98.8		% 82-118	1	05/29/10 20:47	LU_L	5499686

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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:** 05/25/2010 13:25 **SPL Sample ID:** 10050805-08

Site: Midland, TX

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)	111		2	1	05/28/10 14:30	PAC	5497909
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Bicarbonate	111		2	1	05/28/10 14:30	PAC	5497924
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Carbonate	ND		2	1	05/28/10 14:30	PAC	5497939
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	ND		0.5	1	05/26/10 20:36	CFS	5496905
Chloride	5620		500	1000	06/05/10 16:54	ESK	5504872
Sulfate	538		50	100	06/04/10 18:50	ESK	5504860
Nitrogen,Nitrate (As N)	1.05		0.5	1	05/26/10 20:36	CFS	5496818
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	1850		1	10	06/06/10 20:38	EG	5505217
Magnesium	664		1	10	06/06/10 20:38	EG	5505217
Potassium	21.5		1	1	06/05/10 7:33	EG	5505256
Sodium	1020		1	10	06/06/10 20:38	EG	5505217

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/27/2010 11:30	F_S	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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* - 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)
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MI - Matrix Interference

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

Client Sample ID: MW-20 **Collected:** 05/25/2010 13:25 **SPL Sample ID:** 10050805-08

Site: Midland, TX

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			5.3	1	05/29/10 1:44	E_R	5498945
2-Methylnaphthalene	ND			5.3	1	05/29/10 1:44	E_R	5498945
Acenaphthene	ND			5.3	1	05/29/10 1:44	E_R	5498945
Acenaphthylene	ND			5.3	1	05/29/10 1:44	E_R	5498945
Anthracene	ND			5.3	1	05/29/10 1:44	E_R	5498945
Benz(a)anthracene	ND			5.3	1	05/29/10 1:44	E_R	5498945
Benzo(a)pyrene	ND			5.3	1	05/29/10 1:44	E_R	5498945
Benzo(b)fluoranthene	ND			5.3	1	05/29/10 1:44	E_R	5498945
Benzo(g,h,i)perylene	ND			5.3	1	05/29/10 1:44	E_R	5498945
Benzo(k)fluoranthene	ND			5.3	1	05/29/10 1:44	E_R	5498945
Chrysene	ND			5.3	1	05/29/10 1:44	E_R	5498945
Dibenz(a,h)anthracene	ND			5.3	1	05/29/10 1:44	E_R	5498945
Dibenzofuran	ND			5.3	1	05/29/10 1:44	E_R	5498945
Fluoranthene	ND			5.3	1	05/29/10 1:44	E_R	5498945
Fluorene	ND			5.3	1	05/29/10 1:44	E_R	5498945
Indeno(1,2,3-cd)pyrene	ND			5.3	1	05/29/10 1:44	E_R	5498945
Naphthalene	ND			5.3	1	05/29/10 1:44	E_R	5498945
Phenanthrene	ND			5.3	1	05/29/10 1:44	E_R	5498945
Pyrene	ND			5.3	1	05/29/10 1:44	E_R	5498945
Surr: 2-Fluorobiphenyl	85.7		%	45-108	1	05/29/10 1:44	E_R	5498945
Surr: Nitrobenzene-d5	81.2		%	41-113	1	05/29/10 1:44	E_R	5498945
Surr: Terphenyl-d14	72.9		%	43-122	1	05/29/10 1:44	E_R	5498945

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/27/2010 14:26	A_G	1.06

TOTAL DISSOLVED SOLIDS				**MCL**	**SM2540 C**	**Units: mg/L**		
Total Dissolved Solids (Residue,Filterable)	19700			100	10	05/27/10 15:00	CFS	5498973
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND			1	1	05/29/10 21:15	LU_L	5499687
Ethylbenzene	ND			1	1	05/29/10 21:15	LU_L	5499687
Toluene	ND			1	1	05/29/10 21:15	LU_L	5499687
m,p-Xylene	ND			1	1	05/29/10 21:15	LU_L	5499687
o-Xylene	ND			1	1	05/29/10 21:15	LU_L	5499687
Xylenes,Total	ND			1	1	05/29/10 21:15	LU_L	5499687
Surr: 1,2-Dichloroethane-d4	97.6		%	70-130	1	05/29/10 21:15	LU_L	5499687
Surr: 4-Bromofluorobenzene	105		%	74-125	1	05/29/10 21:15	LU_L	5499687
Surr: Toluene-d8	98.7		%	82-118	1	05/29/10 21:15	LU_L	5499687

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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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:** 05/25/2010 13:45 **SPL Sample ID:** 10050805-09

Site: Midland, TX

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	05/28/10 14:30	PAC	5497910
ALKALINITY, BICARBONATE			**MCL**	**SM2320B**	**Units: mg/L**		
Alkalinity, Bicarbonate	204		2	1	05/28/10 14:30	PAC	5497925
ALKALINITY, CARBONATE			**MCL**	**SM2320B**	**Units: mg/L**		
Alkalinity, Carbonate	ND		2	1	05/28/10 14:30	PAC	5497940
ION CHROMATOGRAPHY			**MCL**	**E300.0**	**Units: mg/L**		
Bromide	ND		0.5	1	05/26/10 20:53	CFS	5496906
Chloride	473		50	100	06/04/10 19:41	ESK	5504861
Sulfate	149		50	100	06/04/10 19:41	ESK	5504861
Nitrogen,Nitrate (As N)	ND		0.5	1	05/26/10 20:53	CFS	5496819
METALS BY METHOD 6010B, TOTAL			**MCL**	**SW6010B**	**Units: mg/L**		
Calcium	173		0.1	1	06/05/10 7:39	EG	5505257
Magnesium	62.3		0.1	1	06/05/10 7:39	EG	5505257
Potassium	4.39		1	1	06/05/10 7:39	EG	5505257
Sodium	136		0.1	1	06/06/10 20:50	EG	5505218

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/27/2010 11:30	F_S	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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)
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: WW **Collected:** 05/25/2010 13:45 **SPL Sample ID:** 10050805-09

Site: Midland, TX

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			5.2	1	05/29/10 2:18	E_R	5498946
2-Methylnaphthalene	ND			5.2	1	05/29/10 2:18	E_R	5498946
Acenaphthene	ND			5.2	1	05/29/10 2:18	E_R	5498946
Acenaphthylene	ND			5.2	1	05/29/10 2:18	E_R	5498946
Anthracene	ND			5.2	1	05/29/10 2:18	E_R	5498946
Benz(a)anthracene	ND			5.2	1	05/29/10 2:18	E_R	5498946
Benzo(a)pyrene	ND			5.2	1	05/29/10 2:18	E_R	5498946
Benzo(b)fluoranthene	ND			5.2	1	05/29/10 2:18	E_R	5498946
Benzo(g,h,i)perylene	ND			5.2	1	05/29/10 2:18	E_R	5498946
Benzo(k)fluoranthene	ND			5.2	1	05/29/10 2:18	E_R	5498946
Chrysene	ND			5.2	1	05/29/10 2:18	E_R	5498946
Dibenz(a,h)anthracene	ND			5.2	1	05/29/10 2:18	E_R	5498946
Dibenzofuran	ND			5.2	1	05/29/10 2:18	E_R	5498946
Fluoranthene	ND			5.2	1	05/29/10 2:18	E_R	5498946
Fluorene	ND			5.2	1	05/29/10 2:18	E_R	5498946
Indeno(1,2,3-cd)pyrene	ND			5.2	1	05/29/10 2:18	E_R	5498946
Naphthalene	ND			5.2	1	05/29/10 2:18	E_R	5498946
Phenanthrene	ND			5.2	1	05/29/10 2:18	E_R	5498946
Pyrene	ND			5.2	1	05/29/10 2:18	E_R	5498946
Surr: 2-Fluorobiphenyl	74.7		%	45-108	1	05/29/10 2:18	E_R	5498946
Surr: Nitrobenzene-d5	69.5		%	41-113	1	05/29/10 2:18	E_R	5498946
Surr: Terphenyl-d14	78.3		%	43-122	1	05/29/10 2:18	E_R	5498946

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/27/2010 14:26	A_G	1.04

TOTAL DISSOLVED SOLIDS				**MCL**	**SM2540 C**	**Units: mg/L**		
Total Dissolved Solids (Residue,Filterable)	58800			500	50	05/27/10 15:00	CFS	5498974
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND			1	1	05/29/10 21:42	LU_L	5499688
Ethylbenzene	ND			1	1	05/29/10 21:42	LU_L	5499688
Toluene	ND			1	1	05/29/10 21:42	LU_L	5499688
m,p-Xylene	ND			1	1	05/29/10 21:42	LU_L	5499688
o-Xylene	ND			1	1	05/29/10 21:42	LU_L	5499688
Xylenes,Total	ND			1	1	05/29/10 21:42	LU_L	5499688
Surr: 1,2-Dichloroethane-d4	94.6		%	70-130	1	05/29/10 21:42	LU_L	5499688
Surr: 4-Bromofluorobenzene	104		%	74-125	1	05/29/10 21:42	LU_L	5499688
Surr: Toluene-d8	98.5		%	82-118	1	05/29/10 21:42	LU_L	5499688

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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:** 05/25/2010 14:25 **SPL Sample ID:** 10050805-10

Site: Midland, TX

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)	113		2	1	05/28/10 17:30	PAC	5497966
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Bicarbonate	113		2	1	05/28/10 17:30	PAC	5497948
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Carbonate	ND		2	1	05/28/10 17:30	PAC	5497957
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	ND		0.5	1	05/26/10 21:10	CFS	5496907
Chloride	29600		5000	10000	06/05/10 17:11	ESK	5504873
Sulfate	852		50	100	06/04/10 19:58	ESK	5504862
Nitrogen,Nitrate (As N)	ND		0.5	1	05/26/10 21:10	CFS	5496820
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	2830		1	10	06/06/10 20:56	EG	5505219
Magnesium	1050		1	10	06/06/10 20:56	EG	5505219
Potassium	74.7		1	1	06/05/10 7:45	EG	5505258
Sodium	16300		5	50	06/06/10 21:09	EG	5505220

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/27/2010 11:30	F_S	1.00
SW3010A	05/27/2010 11:30	F_S	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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:** 05/25/2010 14:25 **SPL Sample ID:** 10050805-10

Site: Midland, TX

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		5.3	1	06/01/10 11:29	E_R	5499558
2-Methylnaphthalene	ND		5.3	1	06/01/10 11:29	E_R	5499558
Acenaphthene	ND		5.3	1	06/01/10 11:29	E_R	5499558
Acenaphthylene	ND		5.3	1	06/01/10 11:29	E_R	5499558
Anthracene	ND		5.3	1	06/01/10 11:29	E_R	5499558
Benz(a)anthracene	ND		5.3	1	06/01/10 11:29	E_R	5499558
Benzo(a)pyrene	ND		5.3	1	06/01/10 11:29	E_R	5499558
Benzo(b)fluoranthene	ND		5.3	1	06/01/10 11:29	E_R	5499558
Benzo(g,h,i)perylene	ND		5.3	1	06/01/10 11:29	E_R	5499558
Benzo(k)fluoranthene	ND		5.3	1	06/01/10 11:29	E_R	5499558
Chrysene	ND		5.3	1	06/01/10 11:29	E_R	5499558
Dibenz(a,h)anthracene	ND		5.3	1	06/01/10 11:29	E_R	5499558
Dibenzofuran	ND		5.3	1	06/01/10 11:29	E_R	5499558
Fluoranthene	ND		5.3	1	06/01/10 11:29	E_R	5499558
Fluorene	ND		5.3	1	06/01/10 11:29	E_R	5499558
Indeno(1,2,3-cd)pyrene	ND		5.3	1	06/01/10 11:29	E_R	5499558
Naphthalene	ND		5.3	1	06/01/10 11:29	E_R	5499558
Phenanthrene	ND		5.3	1	06/01/10 11:29	E_R	5499558
Pyrene	ND		5.3	1	06/01/10 11:29	E_R	5499558
Surr: 2-Fluorobiphenyl	80.9	%	45-108	1	06/01/10 11:29	E_R	5499558
Surr: Nitrobenzene-d5	75.2	%	41-113	1	06/01/10 11:29	E_R	5499558
Surr: Terphenyl-d14	88.5	%	43-122	1	06/01/10 11:29	E_R	5499558

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/27/2010 14:26	A_G	1.05

TOTAL DISSOLVED SOLIDS			MCL	SM2540 C	Units: mg/L		
Total Dissolved Solids (Residue,Filterable)	40200		250	25	05/27/10 15:00	CFS	5498976

VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/L		
Benzene	ND		1	1	05/29/10 22:08	LU_L	5499689
Ethylbenzene	ND		1	1	05/29/10 22:08	LU_L	5499689
Toluene	ND		1	1	05/29/10 22:08	LU_L	5499689
m,p-Xylene	ND		1	1	05/29/10 22:08	LU_L	5499689
o-Xylene	ND		1	1	05/29/10 22:08	LU_L	5499689
Xylenes,Total	ND		1	1	05/29/10 22:08	LU_L	5499689
Surr: 1,2-Dichloroethane-d4	97.7	%	70-130	1	05/29/10 22:08	LU_L	5499689
Surr: 4-Bromofluorobenzene	103	%	74-125	1	05/29/10 22:08	LU_L	5499689
Surr: Toluene-d8	100	%	82-118	1	05/29/10 22:08	LU_L	5499689

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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* - 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:** 05/25/2010 14:10 **SPL Sample ID:** 10050805-11

Site: Midland, TX

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	05/28/10 17:30	PAC	5497967
ALKALINITY, BICARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Bicarbonate	230		2	1	05/28/10 17:30	PAC	5497949
ALKALINITY, CARBONATE				**MCL**	**SM2320B**	**Units: mg/L**	
Alkalinity, Carbonate	ND		2	1	05/28/10 17:30	PAC	5497958
ION CHROMATOGRAPHY				**MCL**	**E300.0**	**Units: mg/L**	
Bromide	1.99		0.5	1	05/26/10 21:27	CFS	5496908
Chloride	480		50	100	06/04/10 20:32	ESK	5504863
Sulfate	19.5		0.5	1	05/26/10 21:27	CFS	5496908
Sulfate	40.7		2.5	5	06/05/10 17:28	ESK	5504874
Nitrogen,Nitrate (As N)	ND		0.5	1	05/26/10 21:27	CFS	5496821
METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**	**Units: mg/L**	
Calcium	166		0.1	1	06/05/10 8:03	EG	5505259
Magnesium	69.6		0.1	1	06/05/10 8:03	EG	5505259
Potassium	3.77		1	1	06/05/10 8:03	EG	5505259
Sodium	101		0.1	1	06/06/10 21:15	EG	5505221

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/27/2010 11:30	F_S	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: MW-6 **Collected:** 05/25/2010 14:10 **SPL Sample ID:** 10050805-11

Site: Midland, TX

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		5.2	1	05/29/10 14:17	E_R	5499191
2-Methylnaphthalene	6.1		5.2	1	05/29/10 14:17	E_R	5499191
Acenaphthene	ND		5.2	1	05/29/10 14:17	E_R	5499191
Acenaphthylene	ND		5.2	1	05/29/10 14:17	E_R	5499191
Anthracene	ND		5.2	1	05/29/10 14:17	E_R	5499191
Benz(a)anthracene	ND		5.2	1	05/29/10 14:17	E_R	5499191
Benzo(a)pyrene	ND		5.2	1	05/29/10 14:17	E_R	5499191
Benzo(b)fluoranthene	ND		5.2	1	05/29/10 14:17	E_R	5499191
Benzo(g,h,i)perylene	ND		5.2	1	05/29/10 14:17	E_R	5499191
Benzo(k)fluoranthene	ND		5.2	1	05/29/10 14:17	E_R	5499191
Chrysene	ND		5.2	1	05/29/10 14:17	E_R	5499191
Dibenz(a,h)anthracene	ND		5.2	1	05/29/10 14:17	E_R	5499191
Dibenzofuran	ND		5.2	1	05/29/10 14:17	E_R	5499191
Fluoranthene	ND		5.2	1	05/29/10 14:17	E_R	5499191
Fluorene	ND		5.2	1	05/29/10 14:17	E_R	5499191
Indeno(1,2,3-cd)pyrene	ND		5.2	1	05/29/10 14:17	E_R	5499191
Naphthalene	ND		5.2	1	05/29/10 14:17	E_R	5499191
Phenanthrene	ND		5.2	1	05/29/10 14:17	E_R	5499191
Pyrene	ND		5.2	1	05/29/10 14:17	E_R	5499191
Surr: 2-Fluorobiphenyl	79.3		% 45-108	1	05/29/10 14:17	E_R	5499191
Surr: Nitrobenzene-d5	77.4		% 41-113	1	05/29/10 14:17	E_R	5499191
Surr: Terphenyl-d14	81.9		% 43-122	1	05/29/10 14:17	E_R	5499191

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/27/2010 14:26	A_G	1.03

TOTAL DISSOLVED SOLIDS			MCL	SM2540 C	Units: mg/L		
Total Dissolved Solids (Residue,Filterable)	2330		100	10	05/27/10 15:00	CFS	5498978

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-6 **Collected:** 05/25/2010 14:10 **SPL Sample ID:** 10050805-11

Site: Midland, TX

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	11000			100	100	06/01/10 13:39	LU_L	5500724
Ethylbenzene	180			1	1	05/29/10 22:34	LU_L	5499690
Toluene	650			100	100	06/01/10 13:39	LU_L	5500724
m,p-Xylene	76			1	1	05/29/10 22:34	LU_L	5499690
o-Xylene	24			1	1	05/29/10 22:34	LU_L	5499690
Xylenes,Total	100			1	1	05/29/10 22:34	LU_L	5499690
Surr: 1,2-Dichloroethane-d4	96.0		%	70-130	100	06/01/10 13:39	LU_L	5500724
Surr: 1,2-Dichloroethane-d4	96.2		%	70-130	1	05/29/10 22:34	LU_L	5499690
Surr: 4-Bromofluorobenzene	103		%	74-125	100	06/01/10 13:39	LU_L	5500724
Surr: 4-Bromofluorobenzene	104		%	74-125	1	05/29/10 22:34	LU_L	5499690
Surr: Toluene-d8	95.3		%	82-118	100	06/01/10 13:39	LU_L	5500724
Surr: Toluene-d8	99.3		%	82-118	1	05/29/10 22:34	LU_L	5499690

Qualifiers:

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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: Dup #1 **Collected:** 05/25/2010 0:00 **SPL Sample ID:** 10050805-12

Site: Midland, TX

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)	225		2	1	05/28/10 17:30	PAC	5497963
ALKALINITY, BICARBONATE			**MCL**	**SM2320B**	**Units: mg/L**		
Alkalinity, Bicarbonate	225		2	1	05/28/10 17:30	PAC	5497945
ALKALINITY, CARBONATE			**MCL**	**SM2320B**	**Units: mg/L**		
Alkalinity, Carbonate	ND		2	1	05/28/10 17:30	PAC	5497954
ION CHROMATOGRAPHY			**MCL**	**E300.0**	**Units: mg/L**		
Bromide	ND		0.5	1	05/26/10 21:44	CFS	5496909
Chloride	513		50	100	06/05/10 18:02	ESK	5504876
Sulfate	34.2		2.5	5	06/05/10 17:45	ESK	5504875
Nitrogen,Nitrate (As N)	ND		0.5	1	05/26/10 21:44	CFS	5496822
METALS BY METHOD 6010B, TOTAL			**MCL**	**SW6010B**	**Units: mg/L**		
Calcium	162		0.1	1	06/05/10 8:09	EG	5505260
Magnesium	68.2		0.1	1	06/05/10 8:09	EG	5505260
Potassium	3.72		1	1	06/05/10 8:09	EG	5505260
Sodium	100		0.1	1	06/06/10 21:22	EG	5505222

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	05/27/2010 11:30	F_S	1.00

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

Client Sample ID: Dup #1 **Collected:** 05/25/2010 0:00 **SPL Sample ID:** 10050805-12

Site: Midland, TX

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		5.2	1	05/29/10 15:24	E_R	5499192
2-Methylnaphthalene	6.3		5.2	1	05/29/10 15:24	E_R	5499192
Acenaphthene	ND		5.2	1	05/29/10 15:24	E_R	5499192
Acenaphthylene	ND		5.2	1	05/29/10 15:24	E_R	5499192
Anthracene	ND		5.2	1	05/29/10 15:24	E_R	5499192
Benz(a)anthracene	ND		5.2	1	05/29/10 15:24	E_R	5499192
Benzo(a)pyrene	ND		5.2	1	05/29/10 15:24	E_R	5499192
Benzo(b)fluoranthene	ND		5.2	1	05/29/10 15:24	E_R	5499192
Benzo(g,h,i)perylene	ND		5.2	1	05/29/10 15:24	E_R	5499192
Benzo(k)fluoranthene	ND		5.2	1	05/29/10 15:24	E_R	5499192
Chrysene	ND		5.2	1	05/29/10 15:24	E_R	5499192
Dibenz(a,h)anthracene	ND		5.2	1	05/29/10 15:24	E_R	5499192
Dibenzofuran	ND		5.2	1	05/29/10 15:24	E_R	5499192
Fluoranthene	ND		5.2	1	05/29/10 15:24	E_R	5499192
Fluorene	ND		5.2	1	05/29/10 15:24	E_R	5499192
Indeno(1,2,3-cd)pyrene	ND		5.2	1	05/29/10 15:24	E_R	5499192
Naphthalene	ND		5.2	1	05/29/10 15:24	E_R	5499192
Phenanthrene	ND		5.2	1	05/29/10 15:24	E_R	5499192
Pyrene	ND		5.2	1	05/29/10 15:24	E_R	5499192
Surr: 2-Fluorobiphenyl	83.8		% 45-108	1	05/29/10 15:24	E_R	5499192
Surr: Nitrobenzene-d5	87.3		% 41-113	1	05/29/10 15:24	E_R	5499192
Surr: Terphenyl-d14	88.9		% 43-122	1	05/29/10 15:24	E_R	5499192

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	05/27/2010 14:26	A_G	1.03

TOTAL DISSOLVED SOLIDS			MCL	SM2540 C	Units: mg/L		
Total Dissolved Solids (Residue,Filterable)	1940		100	10	05/27/10 15:00	CFS	5498979

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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:** 05/25/2010 0:00 **SPL Sample ID:** 10050805-12

Site: Midland, TX

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	10000			100	100	06/01/10 14:08	LU_L	5500725
Ethylbenzene	170			1	1	06/01/10 13:13	LU_L	5500723
Toluene	590			100	100	06/01/10 14:08	LU_L	5500725
m,p-Xylene	73			1	1	06/01/10 13:13	LU_L	5500723
o-Xylene	23			1	1	06/01/10 13:13	LU_L	5500723
Xylenes,Total	96			1	1	06/01/10 13:13	LU_L	5500723
Surr: 1,2-Dichloroethane-d4	96.9		%	70-130	100	06/01/10 14:08	LU_L	5500725
Surr: 1,2-Dichloroethane-d4	96.4		%	70-130	1	06/01/10 13:13	LU_L	5500723
Surr: 4-Bromofluorobenzene	103		%	74-125	100	06/01/10 14:08	LU_L	5500725
Surr: 4-Bromofluorobenzene	102		%	74-125	1	06/01/10 13:13	LU_L	5500723
Surr: Toluene-d8	96.5		%	82-118	100	06/01/10 14:08	LU_L	5500725
Surr: Toluene-d8	98.0		%	82-118	1	06/01/10 13:13	LU_L	5500723

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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: Trip Blank **Collected:** 05/25/2010 15:00 **SPL Sample ID:** 10050805-13

Site: Midland, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/L**		
Benzene	ND		1	1	05/29/10 19:00	LU_L	5499682
Ethylbenzene	ND		1	1	05/29/10 19:00	LU_L	5499682
Toluene	ND		1	1	05/29/10 19:00	LU_L	5499682
m,p-Xylene	ND		1	1	05/29/10 19:00	LU_L	5499682
o-Xylene	ND		1	1	05/29/10 19:00	LU_L	5499682
Xylenes,Total	ND		1	1	05/29/10 19:00	LU_L	5499682
Surr: 1,2-Dichloroethane-d4	98.1		% 70-130	1	05/29/10 19:00	LU_L	5499682
Surr: 4-Bromofluorobenzene	104		% 74-125	1	05/29/10 19:00	LU_L	5499682
Surr: Toluene-d8	99.3		% 82-118	1	05/29/10 19:00	LU_L	5499682

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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
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Quality Control Report

Conoco Phillips

COP Maljamar

Analysis: Metals by Method 6010B, Total
Method: SW6010B
WorkOrder: 10050805
Lab Batch ID: 100008

Method Blank

RunID: ICP2_100604A-5505242 Units: mg/L
Analysis Date: 06/05/2010 5:50 Analyst: EG
Preparation Date: 05/27/2010 11:30 Prep By: F_S 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
10050805-01D	MW-19
10050805-02D	MW-13
10050805-03D	MW-15
10050805-04D	MW-16
10050805-05D	MW-17
10050805-06D	MW-11
10050805-07D	MW-14
10050805-08D	MW-20
10050805-09D	WW
10050805-10D	EW-1
10050805-11D	MW-6
10050805-12D	Dup #1

Laboratory Control Sample (LCS)

RunID: ICP2_100604A-5505243 Units: mg/L
Analysis Date: 06/05/2010 5:56 Analyst: EG
Preparation Date: 05/27/2010 11:30 Prep By: F_S Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Calcium	1.000	1.009	100.9	80	120
Magnesium	1.000	1.015	101.5	80	120
Potassium	5.000	5.076	101.5	80	120
Sodium	1.000	0.9981	99.81	80	120

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

Sample Spiked: 10050805-04
RunID: ICP2_100604A-5505245 Units: mg/L
Analysis Date: 06/05/2010 6:08 Analyst: EG
Preparation Date: 05/27/2010 11:30 Prep By: F_S 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
alcium	159.5	1	161.1	N/C	1	161.0	N/C	N/C	20	75	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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

Analysis: Metals by Method 6010B, Total
Method: SW6010B
WorkOrder: 10050805
Lab Batch ID: 100008

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

Sample Spiked: 10050805-04
RunID: ICP2_100604A-5505245 Units: mg/L
Analysis Date: 06/05/2010 6:08 Analyst: EG
Preparation Date: 05/27/2010 11:30 Prep By: F_S 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	48.55	1	49.34	N/C	1	49.79	N/C	N/C	20	75	125
Potassium	2.452	5	7.565	102.3	5	7.684	104.6	1.561	20	75	125
Sodium	64.58	1	65.92	N/C	1	65.71	N/C	N/C	20	75	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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

Analysis: Semivolatiles Organics by Method 8270C
Method: SW8270C
WorkOrder: 10050805
Lab Batch ID: 100015

Method Blank

RunID: R_100528C-5498935 Units: ug/L
Analysis Date: 05/28/2010 20:11 Analyst: E_R
Preparation Date: 05/27/2010 14:26 Prep By: A_G 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	83.0	45-108
Surr: Nitrobenzene-d5	81.0	41-113
Surr: Terphenyl-d14	94.2	43-122

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10050805-01B	MW-19
10050805-02B	MW-13
10050805-03B	MW-15
10050805-04B	MW-16
10050805-05B	MW-17
10050805-06B	MW-11
10050805-07B	MW-14
10050805-08B	MW-20
10050805-09B	WW
10050805-10B	EW-1
10050805-11B	MW-6
10050805-12B	Dup #1

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

RunID: R_100528C-5498936 Units: ug/L
Analysis Date: 05/28/2010 20:45 Analyst: E_R
Preparation Date: 05/27/2010 14:26 Prep By: A_G 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	37.5	75.0	50.0	36.3	72.6	3.3	30	52	109
2-Methylnaphthalene	50.0	39.0	78.0	50.0	38.3	76.6	1.8	30	52	116
Acenaphthene	50.0	41.6	83.2	50.0	42.0	84.0	1.0	30	52	117
Acenaphthylene	50.0	41.0	82.0	50.0	41.1	82.2	0.2	30	53	122
Anthracene	50.0	40.0	80.0	50.0	40.6	81.2	1.5	30	49	126
Benz(a)anthracene	50.0	42.4	84.8	50.0	43.4	86.8	2.3	30	53	121
Benzo(a)pyrene	50.0	43.9	87.8	50.0	45.8	91.6	4.2	30	47	100
Benzo(b)fluoranthene	50.0	46.4	92.8	50.0	48.2	96.4	3.8	30	52	113

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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

Analysis: Semivolatiles Organics by Method 8270C **WorkOrder:** 10050805
Method: SW8270C **Lab Batch ID:** 100015

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

RunID: R_100528C-5498936 Units: ug/L
Analysis Date: 05/28/2010 20:45 Analyst: E_R
Preparation Date: 05/27/2010 14:26 Prep By: A_G 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	44.6	89.2	50.0	46.4	92.8	4.0	30	52	121
Benzo(k)fluoranthene	50.0	46.1	92.2	50.0	47.2	94.4	2.4	30	54	117
Chrysene	50.0	43.8	87.6	50.0	45.4	90.8	3.6	30	53	117
Dibenz(a,h)anthracene	50.0	43.4	86.8	50.0	45.1	90.2	3.8	30	49	120
Dibenzofuran	50.0	43.9	87.8	50.0	44.6	89.2	1.6	30	55	119
Fluoranthene	50.0	42.8	85.6	50.0	44.2	88.4	3.2	30	49	132
Fluorene	50.0	43.2	86.4	50.0	44.3	88.6	2.5	30	54	119
Indeno(1,2,3-cd)pyrene	50.0	37.8	75.6	50.0	40.6	81.2	7.1	30	50	129
Naphthalene	50.0	36.9	73.8	50.0	35.2	70.4	4.7	30	53	111
Phenanthrene	50.0	44.8	89.6	50.0	45.6	91.2	1.8	30	49	124
Pyrene	50.0	45.7	91.4	50.0	47.4	94.8	3.7	30	52	122
Surr: 2-Fluorobiphenyl	50.0	43.0	86.0	50.0	41.8	83.6	2.8	30	45	108
Surr: Nitrobenzene-d5	50.0	41.5	83.0	50.0	39.1	78.2	6.0	30	41	113
Surr: Terphenyl-d14	50.0	46.6	93.2	50.0	46.5	93.0	0.2	30	43	122

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10050805
Lab Batch ID: R301881

Method Blank

RunID: K_100527A-5497187 Units: ug/L
Analysis Date: 05/27/2010 12:27 Analyst: LU_L

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,2-Dichloroethane-d4	97.0	70-130
Surr: 4-Bromofluorobenzene	104.0	74-125
Surr: Toluene-d8	95.2	82-118

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10050805-01A	MW-19
10050805-02A	MW-13
10050805-03A	MW-15

Laboratory Control Sample (LCS)

RunID: K_100527A-5497186 Units: ug/L
Analysis Date: 05/27/2010 11:33 Analyst: LU_L

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	19.5	97.7	74	123
Ethylbenzene	20.0	19.6	97.9	72	127
Toluene	20.0	18.9	94.4	74	126
m,p-Xylene	40.0	38.8	96.9	71	129
o-Xylene	20.0	19.7	98.4	74	130
Xylenes,Total	60.0	58.5	97.4	71	130
Surr: 1,2-Dichloroethane-d4	50.0	48	96.1	70	130
Surr: 4-Bromofluorobenzene	50.0	51.7	103	74	125
Surr: Toluene-d8	50.0	47.7	95.3	82	118

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

Sample Spiked: 10050805-01
RunID: K_100527A-5497189 Units: ug/L
Analysis Date: 05/27/2010 20:01 Analyst: LU_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 10050805
Method: SW8260B **Lab Batch ID:** R301881

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	20.5	102	20	20.2	101	1.05	22	70	124
Ethylbenzene	ND	20	19.4	97.1	20	19.4	97.0	0.165	20	76	122
Toluene	ND	20	19.3	96.4	20	18.8	94.0	2.56	24	80	117
m,p-Xylene	ND	40	38.6	96.4	40	37.9	94.8	1.65	20	69	127
o-Xylene	ND	20	19.4	97.2	20	19.6	98.1	0.932	20	84	114
Xylenes,Total	ND	60	58	97	60	58	96	0.78	20	69	127
Surr: 1,2-Dichloroethane-d4	ND	50	46.8	93.6	50	47.2	94.5	0.885	30	70	130
Surr: 4-Bromofluorobenzene	ND	50	50.6	101	50	52.0	104	2.68	30	74	125
Surr: Toluene-d8	ND	50	46.6	93.1	50	47.1	94.3	1.24	30	82	118

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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

Analysis: Volatile Organics by Method 8260B
Method: SW8260B
WorkOrder: 10050805
Lab Batch ID: R302001

Method Blank

RunID: K_100529B-5499676 Units: ug/L
Analysis Date: 05/29/2010 12:48 Analyst: LU_L

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,2-Dichloroethane-d4	95.6	70-130
Surr: 4-Bromofluorobenzene	102.1	74-125
Surr: Toluene-d8	97.8	82-118

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10050805-04A	MW-16
10050805-05A	MW-17
10050805-06A	MW-11
10050805-07A	MW-14
10050805-08A	MW-20
10050805-09A	WW
10050805-10A	EW-1
10050805-11A	MW-6
10050805-13A	Trip Blank

Laboratory Control Sample (LCS)

RunID: K_100529B-5499675 Units: ug/L
Analysis Date: 05/29/2010 11:53 Analyst: LU_L

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	19.7	98.6	74	123
Ethylbenzene	20.0	20.4	102	72	127
Toluene	20.0	20.0	100	74	126
m,p-Xylene	40.0	39.4	98.6	71	129
o-Xylene	20.0	19.6	98.2	74	130
Xylenes,Total	60	59	98	71	130
Surr: 1,2-Dichloroethane-d4	50.0	48.1	96.3	70	130
Surr: 4-Bromofluorobenzene	50.0	52.4	105	74	125
Surr: Toluene-d8	50.0	49.3	98.6	82	118

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

Sample Spiked: 10050825-04
RunID: K_100529B-5499680 Units: ug/L
Analysis Date: 05/29/2010 17:42 Analyst: LU_L

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 10050805
Method: SW8260B **Lab Batch ID:** R302001

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	938	200	1140	N/C	200	1150	N/C	N/C	22	70	124
Ethylbenzene	514	200	698	91.9	200	710	98.1	1.77	20	76	122
Toluene	ND	200	203	101	200	200	99.9	1.34	24	80	117
m,p-Xylene	222	400	592	92.5	400	597	93.9	0.906	20	69	127
o-Xylene	11.5	200	195	91.7	200	204	96.0	4.32	20	84	114
Xylenes,Total	233	600	787	92.3	600	801	94.6	1.76	20	69	127
Surr: 1,2-Dichloroethane-d4	ND	500	501	100	500	485	97.0	3.15	30	70	130
Surr: 4-Bromofluorobenzene	ND	500	510	102	500	523	105	2.47	30	74	125
Surr: Toluene-d8	ND	500	487	97.4	500	487	97.3	0.106	30	82	118

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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

Analysis: Volatile Organics by Method 8260B
Method: SW8260B
WorkOrder: 10050805
Lab Batch ID: R302081

Method Blank

RunID: K_100601C-5500722 Units: ug/L
Analysis Date: 06/01/2010 11:55 Analyst: LU_L

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10050805-11A	MW-6
10050805-12A	Dup #1

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,2-Dichloroethane-d4	97.6	70-130
Surr: 4-Bromofluorobenzene	105.1	74-125
Surr: Toluene-d8	99.3	82-118

Laboratory Control Sample (LCS)

RunID: K_100601C-5500721 Units: ug/L
Analysis Date: 06/01/2010 11:27 Analyst: LU_L

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	19.7	98.5	74	123
Ethylbenzene	20.0	19.3	96.6	72	127
Toluene	20.0	19.7	98.4	74	126
m,p-Xylene	40.0	39.4	98.4	71	129
o-Xylene	20.0	19.3	96.6	74	130
Xylenes,Total	60.0	58.7	97.8	71	130
Surr: 1,2-Dichloroethane-d4	50.0	48	95.9	70	130
Surr: 4-Bromofluorobenzene	50.0	50.3	101	74	125
Surr: Toluene-d8	50.0	48.6	97.3	82	118

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

Sample Spiked: 10050854-01
RunID: K_100601C-5500727 Units: ug/L
Analysis Date: 06/01/2010 15:26 Analyst: LU_L

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

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Quality Control Report

Conoco Phillips

COP Maljamar

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 10050805
Method: SW8260B **Lab Batch ID:** R302081

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	20.7	103	20	20.4	102	1.58	22	70	124
Ethylbenzene	ND	20	19.5	97.3	20	19.3	96.6	0.779	20	76	122
Toluene	ND	20	19.6	98.1	20	19.8	98.8	0.660	24	80	117
m,p-Xylene	ND	40	37.8	94.6	40	38.5	96.2	1.63	20	69	127
o-Xylene	ND	20	19.1	95.6	20	19.5	97.6	2.10	20	84	114
Xylenes,Total	ND	60	56.9	95.0	60	58.0	96.7	1.79	20	69	127
Surr: 1,2-Dichloroethane-d4	ND	50	48.6	97.2	50	48.4	96.8	0.427	30	70	130
Surr: 4-Bromofluorobenzene	ND	50	52.3	105	50	52.5	105	0.529	30	74	125
Surr: Toluene-d8	ND	50	49	98.0	50	49.2	98.4	0.365	30	82	118

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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

Analysis: Ion Chromatography
Method: E300.0
WorkOrder: 10050805
Lab Batch ID: R301856

Method Blank

RunID: IC2_100526A-5496803 Units: mg/L
Analysis Date: 05/26/2010 15:47 Analyst: CFS

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10050805-11C	MW-6
10050805-12C	Dup #1

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

Laboratory Control Sample (LCS)

RunID: IC2_100526A-5496804 Units: mg/L
Analysis Date: 05/26/2010 16:04 Analyst: CFS

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Nitrogen,Nitrate (As N)	10.00	9.985	99.85	90	110

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

Sample Spiked: 10050805-12
RunID: IC2_100526A-5496823 Units: mg/L
Analysis Date: 05/26/2010 22:01 Analyst: CFS

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	7.844	74.88 *	10	8.234	78.78 *	4.851	20	80	120

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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

Analysis: Ion Chromatography
Method: E300.0

WorkOrder: 10050805
Lab Batch ID: R301856A

Method Blank

RunID: IC2_100526A-5496803 Units: mg/L
Analysis Date: 05/26/2010 15:47 Analyst: CFS

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

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10050805-01C	MW-19
10050805-02C	MW-13
10050805-03C	MW-15
10050805-04C	MW-16
10050805-05C	MW-17
10050805-06C	MW-11
10050805-07C	MW-14
10050805-08C	MW-20
10050805-09C	WW
10050805-10C	EW-1

Laboratory Control Sample (LCS)

RunID: IC2_100526A-5496804 Units: mg/L
Analysis Date: 05/26/2010 16:04 Analyst: CFS

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Nitrogen,Nitrate (As N)	10.00	9.985	99.85	90	110

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

Sample Spiked: 10050805-06
RunID: IC2_100526A-5496813 Units: mg/L
Analysis Date: 05/26/2010 19:11 Analyst: CFS

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	10.86	108.6	10	12.83	128.3 *	16.65	20	80	120

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

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Quality Control Report

Conoco Phillips

COP Maljamar

Analysis: Ion Chromatography **WorkOrder:** 10050805
Method: E300.0 **Lab Batch ID:** R301860

Method Blank

RunID: IC2_100526C-5496890 Units: mg/L
Analysis Date: 05/26/2010 15:47 Analyst: CFS

Analyte	Result	Rep Limit
Bromide	ND	0.50
Sulfate	ND	0.50

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10050805-11C	MW-6
10050805-12C	Dup #1

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

RunID: IC2_100526C-5496891 Units: mg/L
Analysis Date: 05/26/2010 16:04 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
Bromide	10.00	10.43	104.3	10.00	9.493	94.93	0.0	20	85	115
Sulfate	10.00	10.82	108.2	10.00	9.395	93.95	0.0	20	85	115

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

Sample Spiked: 10050805-12
RunID: IC2_100526C-5496910 Units: mg/L
Analysis Date: 05/26/2010 22:01 Analyst: CFS

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	11.10	111.0	10	11.46	114.6	0	20	80	120

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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

Analysis: Ion Chromatography
Method: E300.0

WorkOrder: 10050805
Lab Batch ID: R301860A

Method Blank

RunID: IC2_100526C-5496890 Units: mg/L
Analysis Date: 05/26/2010 15:47 Analyst: CFS

Analyte	Result	Rep Limit
Bromide	ND	0.50
Sulfate	ND	0.50

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10050805-01C	MW-19
10050805-02C	MW-13
10050805-03C	MW-15
10050805-04C	MW-16
10050805-05C	MW-17
10050805-06C	MW-11
10050805-07C	MW-14
10050805-08C	MW-20
10050805-09C	WW
10050805-10C	EW-1

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

RunID: IC2_100526C-5496891 Units: mg/L
Analysis Date: 05/26/2010 16:04 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
Bromide	10.00	10.43	104.3	10.00	9.493	94.93	0.0	20	85	115
Sulfate	10.00	10.82	108.2	10.00	9.395	93.95	0.0	20	85	115

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

Sample Spiked: 10050805-06
RunID: IC2_100526C-5496900 Units: mg/L
Analysis Date: 05/26/2010 19:11 Analyst: CFS

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	11.77	117.7	10	13.72	137.2 *	15.29	20	80	120

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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

Analysis: Alkalinity (as CaCO3), Total **WorkOrder:** 10050805
Method: SM2320B **Lab Batch ID:** R301925

Method Blank

RunID: WET_100528P-5497887 Units: mg/L
Analysis Date: 05/28/2010 14:30 Analyst: PAC

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10050805-01C	MW-19

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

Laboratory Control Sample (LCS)

RunID: WET_100528P-5497889 Units: mg/L
Analysis Date: 05/28/2010 14:30 Analyst: PAC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Alkalinity, Total (As CaCO3)	65.40	64.00	97.86	90	110

Sample Duplicate

Original Sample: 10050823-02
RunID: WET_100528P-5497890 Units: mg/L
Analysis Date: 05/28/2010 14:30 Analyst: PAC

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Alkalinity, Total (As CaCO3)	442	442	0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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

Analysis: Alkalinity (as CaCO3), Total
Method: SM2320B

WorkOrder: 10050805
Lab Batch ID: R301925A

Method Blank

RunID: WET_100528P-5497887 Units: mg/L
Analysis Date: 05/28/2010 14:30 Analyst: PAC

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

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10050805-02C	MW-13
10050805-03C	MW-15
10050805-04C	MW-16
10050805-05C	MW-17
10050805-06C	MW-11
10050805-07C	MW-14
10050805-08C	MW-20
10050805-09C	WW

Laboratory Control Sample (LCS)

RunID: WET_100528P-5497889 Units: mg/L
Analysis Date: 05/28/2010 14:30 Analyst: PAC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Alkalinity, Total (As CaCO3)	65.40	64.00	97.86	90	110

Sample Duplicate

Original Sample: 10050805-04
RunID: WET_100528P-5497904 Units: mg/L
Analysis Date: 05/28/2010 14:30 Analyst: PAC

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Alkalinity, Total (As CaCO3)	262	262	0	20

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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

Analysis: Alkalinity, Bicarbonate
Method: SM2320B
WorkOrder: 10050805
Lab Batch ID: R301927

Method Blank

RunID: WET_100528T-5497912 Units: mg/L
Analysis Date: 05/28/2010 14:30 Analyst: PAC

Analyte	Result	Rep Limit
Alkalinity, Bicarbonate	ND	2.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10050805-01C	MW-19
10050805-02C	MW-13
10050805-03C	MW-15
10050805-04C	MW-16
10050805-05C	MW-17
10050805-06C	MW-11
10050805-07C	MW-14
10050805-08C	MW-20
10050805-09C	WW

Laboratory Control Sample (LCS)

RunID: WET_100528T-5497914 Units: mg/L
Analysis Date: 05/28/2010 14:30 Analyst: PAC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Alkalinity, Bicarbonate	65.40	64.00	97.86	90	110

Sample Duplicate

Original Sample: 10050805-04
RunID: WET_100528T-5497919 Units: mg/L
Analysis Date: 05/28/2010 14:30 Analyst: PAC

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Alkalinity, Bicarbonate	262	262	0	20

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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

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Quality Control Report

Conoco Phillips

COP Maljamar

Analysis: Alkalinity, Carbonate
Method: SM2320B
WorkOrder: 10050805
Lab Batch ID: R301928

Method Blank

RunID: WET_100528U-5497927 Units: mg/L
Analysis Date: 05/28/2010 14:30 Analyst: PAC

Analyte	Result	Rep Limit
Alkalinity, Carbonate	ND	2.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10050805-01C	MW-19
10050805-02C	MW-13
10050805-03C	MW-15
10050805-04C	MW-16
10050805-05C	MW-17
10050805-06C	MW-11
10050805-07C	MW-14
10050805-08C	MW-20
10050805-09C	WW

Laboratory Control Sample (LCS)

RunID: WET_100528U-5497929 Units: mg/L
Analysis Date: 05/28/2010 14:30 Analyst: PAC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Alkalinity, Carbonate	65.40	64.00	97.86	90	110

Sample Duplicate

Original Sample: 10050805-04
RunID: WET_100528U-5497934 Units: mg/L
Analysis Date: 05/28/2010 14:30 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 - 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

Analysis: Alkalinity, Bicarbonate
Method: SM2320B
WorkOrder: 10050805
Lab Batch ID: R301929

Method Blank

RunID: WET_100528V-5497942 Units: mg/L
Analysis Date: 05/28/2010 17:30 Analyst: PAC

Analyte	Result	Rep Limit
Alkalinity, Bicarbonate	ND	2.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10050805-10C	EW-1
10050805-11C	MW-6
10050805-12C	Dup #1

Laboratory Control Sample (LCS)

RunID: WET_100528V-5497944 Units: mg/L
Analysis Date: 05/28/2010 17:30 Analyst: PAC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Alkalinity, Bicarbonate	65.40	64.00	97.86	90	110

Sample Duplicate

Original Sample: 10050805-12
RunID: WET_100528V-5497945 Units: mg/L
Analysis Date: 05/28/2010 17:30 Analyst: PAC

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Alkalinity, Bicarbonate	225	225	0	20

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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

Analysis: Alkalinity, Carbonate
Method: SM2320B
WorkOrder: 10050805
Lab Batch ID: R301930

Method Blank

RunID: WET_100528W-5497951 Units: mg/L
Analysis Date: 05/28/2010 17:30 Analyst: PAC

Analyte	Result	Rep Limit
Alkalinity, Carbonate	ND	2.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10050805-10C	EW-1
10050805-11C	MW-6
10050805-12C	Dup #1

Laboratory Control Sample (LCS)

RunID: WET_100528W-5497953 Units: mg/L
Analysis Date: 05/28/2010 17:30 Analyst: PAC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Alkalinity, Carbonate	65.40	64.00	97.86	90	110

Sample Duplicate

Original Sample: 10050805-12
RunID: WET_100528W-5497954 Units: mg/L
Analysis Date: 05/28/2010 17:30 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 - 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

Analysis: Alkalinity (as CaCO3), Total
Method: SM2320B
WorkOrder: 10050805
Lab Batch ID: R301931

Method Blank

RunID: WET_100528X-5497960 Units: mg/L
Analysis Date: 05/28/2010 17:30 Analyst: PAC

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

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10050805-10C	EW-1
10050805-11C	MW-6
10050805-12C	Dup #1

Laboratory Control Sample (LCS)

RunID: WET_100528X-5497962 Units: mg/L
Analysis Date: 05/28/2010 17:30 Analyst: PAC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Alkalinity, Total (As CaCO3)	65.40	64.00	97.86	90	110

Sample Duplicate

Original Sample: 10050805-12
RunID: WET_100528X-5497963 Units: mg/L
Analysis Date: 05/28/2010 17:30 Analyst: PAC

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Alkalinity, Total (As CaCO3)	225	225	0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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

Analysis: Total Dissolved Solids
Method: SM2540 C

WorkOrder: 10050805
Lab Batch ID: R301961

Method Blank

RunID: WET_100527O-5498961 Units: mg/L
Analysis Date: 05/27/2010 15:00 Analyst: CFS

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

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10050805-01C	MW-19
10050805-02C	MW-13
10050805-03C	MW-15
10050805-04C	MW-16
10050805-05C	MW-17
10050805-06C	MW-11
10050805-07C	MW-14
10050805-08C	MW-20
10050805-09C	WW
10050805-12C	Dup #1

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

RunID: WET_100527O-5498963 Units: mg/L
Analysis Date: 05/27/2010 15:00 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	202.0	101.0	200.0	201.0	100.5	0.5	10	95	107

Sample Duplicate

Original Sample: 10050805-01
RunID: WET_100527O-5498965 Units: mg/L
Analysis Date: 05/27/2010 15:00 Analyst: CFS

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Total Dissolved Solids (Residue,Filtera	1080	1090	0.922	10

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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

Analysis: Total Dissolved Solids
Method: SM2540 C

WorkOrder: 10050805
Lab Batch ID: R301961A

Method Blank

RunID: WET_100527O-5498961 Units: mg/L
Analysis Date: 05/27/2010 15:00 Analyst: CFS

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10050805-10C	EW-1
10050805-11C	MW-6

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

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

RunID: WET_100527O-5498963 Units: mg/L
Analysis Date: 05/27/2010 15:00 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	202.0	101.0	200.0	201.0	100.5	0.5	10	95	107

Sample Duplicate

Original Sample: 10050805-10
RunID: WET_100527O-5498976 Units: mg/L
Analysis Date: 05/27/2010 15:00 Analyst: CFS

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Total Dissolved Solids (Residue,Filtera	40200	40200	0.124	10

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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

Analysis: Ion Chromatography **WorkOrder:** 10050805
Method: E300.0 **Lab Batch ID:** R302330

Method Blank

RunID: IC2_100604B-5504846 Units: mg/L
Analysis Date: 06/04/2010 13:44 Analyst: ESK

Analyte	Result	Rep Limit
Chloride	ND	0.50
Sulfate	ND	0.50

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10050805-01C	MW-19
10050805-02C	MW-13
10050805-04C	MW-16
10050805-05C	MW-17
10050805-06C	MW-11
10050805-07C	MW-14
10050805-08C	MW-20
10050805-09C	WW
10050805-10C	EW-1
10050805-12C	Dup #1

Laboratory Control Sample (LCS)

RunID: IC2_100604B-5504847 Units: mg/L
Analysis Date: 06/04/2010 14:01 Analyst: ESK

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	10.00	9.861	98.61	85	115
Sulfate	10.00	10.07	100.7	85	115

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

Sample Spiked: 10050805-01
RunID: IC2_100604B-5504853 Units: mg/L
Analysis Date: 06/04/2010 16:34 Analyst: ESK

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	108.2	200	328.5	110.2	200	343.5	117.7	4.465	20	80	120
Sulfate	33.19	200	247.0	106.9	200	255.6	111.2	3.411	20	80	120

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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

Analysis: Ion Chromatography
Method: E300.0
WorkOrder: 10050805
Lab Batch ID: R302330A

Method Blank

RunID: IC2_100604B-5504846 Units: mg/L
Analysis Date: 06/04/2010 13:44 Analyst: ESK

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
10050805-03C	MW-15
10050805-11C	MW-6

Analyte	Result	Rep Limit
Chloride	ND	0.50
Sulfate	ND	0.50

Laboratory Control Sample (LCS)

RunID: IC2_100604B-5504847 Units: mg/L
Analysis Date: 06/04/2010 14:01 Analyst: ESK

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	10.00	9.861	98.61	85	115
Sulfate	10.00	10.07	100.7	85	115

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

Sample Spiked: 10050805-03
RunID: IC2_100604B-5504870 Units: mg/L
Analysis Date: 06/05/2010 16:20 Analyst: ESK

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	114.4	200	349.9	117.8	200	349.7	117.7	0.05345	20	80	120
Sulfate	58.29	200	293.1	117.4	200	292.4	117.1	0.2435	20	80	120

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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:	10050805	Received By:	AMV
Date and Time Received:	5/26/2010 9:30:00 AM	Carrier name:	Fedex-Standard Overnight
Temperature:	4.5°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?	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 ☐	

The metals container from sample MW-19 was received with low pH. The sample is very dirty and will not preserve.

*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: 10050805

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 Johnny Tidsworth

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	Bicarb/Carb/Alk-310	8260-BTEX	8270-PAH
MW-19	5/25/10	0845		X	X		1	3	3					X	
							4	1	2						X
							3	1	2		X	X	X		
							5	2	1	X					
MW-13	5/25/10	0940					1	3	3					X	
							4	1	2						X
							3	1	2		X	X	X		
							5	2	1	X					
MW-15	5/25/10	1000					1	3	3					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:_____

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	5/25/10		
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by SPL, Inc.
	5/26/10	9:30	Amanda Reckenour

Chain of Custody Record

Client: Tetra Tech/ Conoco Phillips

SPL Workorder Number: 10050805

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 [signature] print Johnny Titsworth

Sample ID	Collected Date	Collected Time	Sample Type Comp	Sample Type Grab	Matrix Water	Matrix Soil	Bottle Type	Preservative Type	# of Containers	Metals-6010	TDS-2540C	IC-Br,Cl,NO2,SO4-300	Bicarb/Carb/Alk-310	8260-BTEX	8270-PAH
MW-15	5/25/10	1000		X	X		3	1	2		X	X	X		
							5	2	1	X					
MW-16	5/25/10	1050					1	3	3					X	
							4	1	2						X
							3	1	2		X	X	X		
							5	2	1	X					
MW-17	5/25/10	0915					1	3	3					X	
							4	1	2						X
							3	1	2		X	X	X		
							5	1	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:______

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	Date	Time	Received by
Relinquished by Sampler: [signature] Johnny Titsworth	5/25/10		Received by:
Relinquished by:			Received by:
Relinquished by:			Received by SPL, Inc.

SPL, Inc.
Analysis Request & Chain of Custody Record

SPL Workorder No. 10050805 | 331490

page 3 of 5

Client Name: Tetra Tech / Conoco Phillips
Address: 1910 N Big Spring
City Midland State TX Zip 79705 RECEIVED
Phone/Fax: (432) 682-4449
Client Contact: Greg Pope Email: gwpope57@aol.com
Project Name/No.: 114-6400486
Site Name: COP Maljamar
Site Location: Eddy Co. NM
Invoice To: Ph:

matrix: W=water S=soil O=oil A=air SL=sludge E=encore 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	Requested Analysis: Metals-6010	TDS-2540C	IC-Br, Cl, NO2, SO4-300	Bicarb/Carb/Alk-310	8260-BTEX	8270-PAH			
MW-11	5/25/10	1215		X	W	V	40	1	3					X				
						A	1	X	2						X			
						P	1	X	2		X	X	X					
						P	16	2	1	X								
MW-14	5/25/10	1250				V	40	1	3					X				
						A	1	X	2						X			
						P	1	X	2		X	X	X					
						P	16	2	1	X								
MW-20	5/25/10	1325				V	40	1	3					X				
						A	1	X	2						X			

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp:

Requested TAT
☐ 1 Business Day ☐ Contract
☐ 2 Business Days ☒ Standard
☐ 3 Business Days
☐ Other _____
Rush TAT requires prior notice

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 Tatsworth	5/25/10	1500	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.: 10050805 | 331491

page 4 of 5

Client Name: Tetra Tech / Conoco Phillips
Address: 1910 N. Big Spring Street
City: Midland State: TX Zip: 79705 (ACQUIRED)
Phone/Fax: (432) 682-5449
Client Contact: Greg Pope Email: gwpope57@aol.com
Project Name/No.: 114-G400486
Site Name: COP Maljamar
Site Location: Eddy Co. NM
Invoice To: Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil O=oil A=air SL=sludge E=encore 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	Bicarb/Carb/Alk-310	8260 - BTEX	8270 - PAH			
MW-20	5/25/10	1325		X	W	P	1	X	2		X	X	X					
↓	↓	↓				P	16	2	1	X								
MW	5/25/10	1345				V	40	1	3					X				
						A	1	X	2						X			
						P	1	X	2		X	X	X					
↓	↓	↓				P	16	2	1	X								
EW-1	5/25/10	1425				V	40	1	3					X				
						A	1	X	2						X			
						P	1	X	2		X	X	X					
↓	↓	↓		↓	↓	P	16	2	1	X								

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp:

Requested TAT

☐ 1 Business Day ☐ Contract
☐ 2 Business Days ☒ Standard
☐ 3 Business Days
☐ Other _____
Rush TAT requires prior notice

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: Greg Pope	5/25/10	1500	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: 1005080S | 331492
page 5 of 5

Client Name: Tetra Tech / Conoco Phillips
Address: 1910 N. Big Spring
City Midland State TX Zip 79705 REQUIRED
Phone/Fax: (432) 682-5449
Client Contact: Greg Pope Email: gwpope57@aol.com
Project Name/No.: 114-6400486
Site Name: COP Mallamar
Site Location: Eddy Co. NM
Invoice To: Ph:

matrix: W=water S=soil O=oil A=air SL=sludge E=encore 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	Requested Analysis: Metals - 6010	TDS - 2540 C	IC-Br, Cl, NO2, SO4 - 300	Bicarb / Carb / Alk - 310	BTEX - 8260	PAH - 8270			
MW-4	5/25/10	1410		X	W	V	40	1	3					X				
						A	1	X	2						X			
						P	1	X	2		X	X	X					
						P	16	2	1	X								
Dup #1	5/25/10	—				V	40	1	3					X				
		—				A	1	X	2						X			
		—				P	1	X	2		X	X	X					
		—				P	16	2	1	X								
Trip Blank	5/25/10	1500				V	40		2									

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp:

Requested TAT
☐ 1 Business Day ☐ Contract
☐ 2 Business Days ☒ Standard
☐ 3 Business Days
☐ Other _____
Rush TAT requires prior notice

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: T. Blount	5/25/10	1500	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.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

Certificate of Analysis

June 11, 2010

Workorder: H10050627

Greg W Pope, PG
Tetra Tech
1910 N. Big Spring Street
Midland, TX 79705

Project: COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

Site: COP - Maljamar, 114-6400486

PO Number: 4510338287

NELAC Cert. No.: T104704205-09-1

This Report Contains A Total Of 50 Pages

Excluding Any Attachments

SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

Certificate of Analysis

June 11, 2010

Workorder: H10050627

Greg W Pope, PG
Tetra Tech
1910 N. Big Spring Street
Midland, TX 79705

Project: COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

Site: COP - Maljamar, 114-6400486

PO Number: 4510338287

NELAC Cert. No.: T104704205-09-1

I. SAMPLE RECEIPT:

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

II: ANALYSES AND EXCEPTIONS:

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.

SW8270C - Semivolatile Organics analysis:

Due to limited sample volume, a Matrix Spike (MS) or Matrix Spike Duplicate (MSD) was not analyzed with Batch ID: EXTO/1787. 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.

III. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg\kg-dry " or " ug\kg-dry ").

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.

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).

SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

Certificate of Analysis

June 11, 2010

Workorder: H10050627

Greg W Pope, PG
Tetra Tech
1910 N. Big Spring Street
Midland, TX 79705

Project: COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

Site: COP - Maljamar, 114-6400486

PO Number: 4510338287

NELAC Cert. No.: T104704205-09-1

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.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or by his designee, as verified by the following signature.

Erica Cardenas, Senior Project Manager

Enclosures

SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

SAMPLE SUMMARY

Workorder: H10050627 : COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

Lab ID	Sample ID	Matrix	COC ID	Date/Time Collected	Date/Time Received
H10050627001	MW-18	Water		5/26/2010 08:40	5/27/2010 10:00
H10050627002	MW-10	Water		5/26/2010 09:15	5/27/2010 10:00
H10050627003	MW-12	Water		5/26/2010 09:40	5/27/2010 10:00
H10050627004	MW-4	Water		5/26/2010 10:45	5/27/2010 10:00
H10050627005	MW-2	Water		5/26/2010 11:15	5/27/2010 10:00
H10050627006	MW-5	Water		5/26/2010 12:00	5/27/2010 10:00
H10050627007	Dup #2	Water		5/26/2010 00:00	5/27/2010 10:00
H10050627008	Trip Blank	Water		5/26/2010 12:30	5/27/2010 10:00

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ANALYTICAL RESULTS

Workorder: H10050627 : COP - Maljamar | Project Number: COP - Maljamar, 114-6400486

Lab ID: **H10050627001** | Date/Time Received: 5/27/2010 10:00 | Matrix: Water

Sample ID: **MW-18** | Date/Time Collected: 5/26/2010 08:40

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1317 EPA 300.0 on 05/27/2010 14:50 by CFS DF = 1.

Batch: 1318 EPA 300.0 on 05/27/2010 14:50 by CFS DF = 1.

Batch: 1323 EPA 300.0 on 06/07/2010 10:25 by CFS DF = 100.

Batch: 1323 EPA 300.0 on 06/07/2010 10:42 by CFS DF = 1000.

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Bromide	11.1		0.500	0.0830	1			1318
Chloride	12100		500	126	1000			1323
Nitrogen, Nitrate (As N)	3.59		0.500	0.0676	1			1317
Sulfate	841		50.0	4.35	100			1323

Analysis Desc: SM 2320 B

Analytical Batches:

Batch: 3206 SM 2320 B on 06/02/2010 14:30 by PAC

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Alkalinity, total as CaCO3	121		2.00	1.68	1			3206

WET CHEMISTRY

Analysis Desc: SM 2540 C

Analytical Batches:

Batch: 1625 SM 2540 C on 05/27/2010 15:00 by CFS

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Residue, Filterable (TDS)	32000		100	39.4	10			1625

ICP TOTAL METALS

Analysis Desc: SW-846 6010B

Preparation Batches:

Batch: 1791 SW-846 3010A on 05/28/2010 10:50 by F_S

Analytical Batches:

Batch: 1425 SW-846 6010B on 05/30/2010 18:17 by EBG DF = 10.

Batch: 1440 SW-846 6010B on 06/10/2010 01:36 by EBG DF = 10.

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Calcium	1900		1.00	0.171	10		1791	1425
Magnesium	645		1.00	0.483	10		1791	1425

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ANALYTICAL RESULTS

Workorder: H10050627 : COP - Maljamar | Project Number: COP - Maljamar, 114-6400486

Lab ID: **H10050627001** | Date/Time Received: 5/27/2010 10:00 | Matrix: Water

Sample ID: **MW-18** | Date/Time Collected: 5/26/2010 08:40

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Potassium	21.1		10.0	0.476	10		1791	1425
Sodium	3240		1.00	0.295	10		1791	1440

VOLATILES

Analysis Desc: SW-846 8260B | SW-846 5030 Analytical Batches:

Batch: 2004 SW-846 8260B on 06/05/2010 04:23 by JMC

Parameters	Results ug/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Benzene	ND		1.0	0.10	1			2004
Ethylbenzene	ND		1.0	0.15	1			2004
Toluene	ND		1.0	0.29	1			2004
m,p-Xylene	ND		1.0	0.18	1			2004
o-Xylene	ND		1.0	0.13	1			2004
Xylenes, Total	ND		1.0	0.13	1			2004
4-Bromofluorobenzene (S)	102 %		74-125		1			2004
1,2-Dichloroethane-d4 (S)	103 %		70-130		1			2004
Toluene-d8 (S)	101 %		82-118		1			2004
Preservation pH	<2				1			2004

PAH

Analysis Desc: SW-846 8270C | Preparation Batches:

Batch: 1787 SW-846 3510C on 05/28/2010 14:38 by A G

Analytical Batches:

Batch: 1261 SW-846 8270C on 06/01/2010 18:29 by GEY

Parameters	Results ug/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Acenaphthene	ND		5.6	1.6	1		1787	1261
Acenaphthylene	ND		5.6	1.6	1		1787	1261
Anthracene	ND		5.6	1.5	1		1787	1261
Benzo(a)anthracene	ND		5.6	1.6	1		1787	1261
Benzo(a)pyrene	ND		5.6	1.8	1		1787	1261
Benzo(b)fluoranthene	ND		5.6	1.7	1		1787	1261
Benzo(g,h,i)perylene	ND		5.6	1.7	1		1787	1261
Benzo(k)fluoranthene	ND		5.6	1.9	1		1787	1261
Chrysene	ND		5.6	1.6	1		1787	1261
Dibenz(a,h)anthracene	ND		5.6	1.5	1		1787	1261
Dibenzofuran	ND		5.6	1.6	1		1787	1261

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ANALYTICAL RESULTS

Workorder: H10050627 : COP - Maljamar | Project Number: COP - Maljamar, 114-6400486

Lab ID: **H10050627001** | Date/Time Received: 5/27/2010 10:00 | Matrix: Water

Sample ID: **MW-18** | Date/Time Collected: 5/26/2010 08:40

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Fluoranthene	ND		5.6	1.5	1		1787	1261
Fluorene	ND		5.6	1.6	1		1787	1261
Indeno(1,2,3-cd)pyrene	ND		5.6	1.5	1		1787	1261
1-Methylnaphthalene	ND		5.6	1.5	1		1787	1261
2-Methylnaphthalene	ND		5.6	1.6	1		1787	1261
Naphthalene	ND		5.6	1.6	1		1787	1261
Phenanthrene	ND		5.6	1.7	1		1787	1261
Pyrene	ND		5.6	1.7	1		1787	1261
Nitrobenzene-d5 (S)	82.5 %		41-113		1		1787	1261
2-Fluorobiphenyl (S)	86.8 %		45-108		1		1787	1261
Terphenyl-d14 (S)	71.3 %		43-122		1		1787	1261

Analysis Desc: EPA 310.1 | Analytical Batches:

Batch: 3209, EPA 310.1 on 06/02/2010 14:30 by PAC

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Alkalinity, CO3 as CaCO3	ND		2.00	1.68	1			3209
Alkalinity, HCO3 as CaCO3	121		2.00	1.68	1			3207

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ANALYTICAL RESULTS

Workorder: H10050627 : COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

Lab ID: **H10050627002**

Date/Time Received: 5/27/2010 10:00 Matrix: Water

Sample ID: **MW-10**

Date/Time Collected: 5/26/2010 09:15

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1317 EPA 300.0 on 05/27/2010 15:07 by CFS DF = 1

Batch: 1318 EPA 300.0 on 05/27/2010 15:07 by CFS DF = 1

Batch: 1323 EPA 300.0 on 06/07/2010 10:59 by CFS DF = 1000

Batch: 1323 EPA 300.0 on 06/07/2010 11:16 by CFS DF = 100

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Bromide	4.49		0.500	0.0830	1			1318
Chloride	4010		500	126	1000			1323
Nitrogen, Nitrate (As N)	4.56		0.500	0.0676	1			1317
Sulfate	353		50.0	4.35	100			1323

Analysis Desc: SM 2320 B

Analytical Batches:

Batch: 3206 SM 2320 B on 06/02/2010 14:30 by PAC

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Alkalinity, total as CaCO3	168		2.00	1.68	1			3206

WET CHEMISTRY

Analysis Desc: SM 2540 C

Analytical Batches:

Batch: 1625 SM 2540 C on 05/27/2010 15:00 by CFS

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Residue, Filterable (TDS)	8200		100	39.4	10			1625

ICP TOTAL METALS

Analysis Desc: SW-846 6010B

Preparation Batches:

Batch: 1791 SW-846 3010A on 05/28/2010 10:50 by F_S

Analytical Batches:

Batch: 1425 SW-846 6010B on 05/30/2010 18:23 by EBG DF = 10

Batch: 1440 SW-846 6010B on 06/10/2010 01:49 by EBG DF = 10

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Calcium	756		1.00	0.171	10		1791	1425
Magnesium	178		1.00	0.483	10		1791	1425

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ANALYTICAL RESULTS

Workorder: H10050627 : COP - Maljamar | Project Number: COP - Maljamar, 114-6400486

Lab ID: **H10050627002** | Date/Time Received: 5/27/2010 10:00 | Matrix: Water

Sample ID: **MW-10** | Date/Time Collected: 5/26/2010 09:15

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Potassium	ND		10.0	0.476	10		1791	1425
Sodium	1200		1.00	0.295	10		1791	1440

VOLATILES

Analysis Desc: SW-846 8260B | SW-846 5030Analytical Batches:

Batch: 2004 SW-846 8260B on 06/05/2010 04:51 by JMC

Parameters	Results ug/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Benzene	ND		1.0	0.10	1			2004
Ethylbenzene	ND		1.0	0.15	1			2004
Toluene	ND		1.0	0.29	1			2004
m,p-Xylene	ND		1.0	0.18	1			2004
o-Xylene	ND		1.0	0.13	1			2004
Xylenes, Total	ND		1.0	0.13	1			2004
4-Bromofluorobenzene (S)	94.3 %		74-125		1			2004
1,2-Dichloroethane-d4 (S)	102 %		70-130		1			2004
Toluene-d8 (S)	102 %		82-118		1			2004
Preservation pH	<2				1			2004

PAH

Analysis Desc: SW-846 8270C | Preparation Batches:

Batch: 1787 SW-846 3510C on 05/28/2010 14:38 by A_G

Analytical Batches:

Batch: 1261 SW-846 8270C on 06/01/2010 19:01 by GEY

Parameters	Results ug/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Acenaphthene	ND		5.4	1.5	1		1787	1261
Acenaphthylene	ND		5.4	1.5	1		1787	1261
Anthracene	ND		5.4	1.5	1		1787	1261
Benzo(a)anthracene	ND		5.4	1.5	1		1787	1261
Benzo(a)pyrene	ND		5.4	1.7	1		1787	1261
Benzo(b)fluoranthene	ND		5.4	1.7	1		1787	1261
Benzo(g,h,i)perylene	ND		5.4	1.6	1		1787	1261
Benzo(k)fluoranthene	ND		5.4	1.9	1		1787	1261
Chrysene	ND		5.4	1.6	1		1787	1261
Dibenz(a,h)anthracene	ND		5.4	1.5	1		1787	1261
Dibenzofuran	ND		5.4	1.6	1		1787	1261

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ANALYTICAL RESULTS

Workorder: H10050627 : COP - Maljamar | Project Number: COP - Maljamar, 114-6400486

Lab ID: **H10050627002** | Date/Time Received: 5/27/2010 10:00 | Matrix: Water

Sample ID: **MW-10** | Date/Time Collected: 5/26/2010 09:15

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Fluoranthene	ND		5.4	1.5	1		1787	1261
Fluorene	ND		5.4	1.5	1		1787	1261
Indeno(1,2,3-cd)pyrene	ND		5.4	1.5	1		1787	1261
1-Methylnaphthalene	ND		5.4	1.5	1		1787	1261
2-Methylnaphthalene	ND		5.4	1.6	1		1787	1261
Naphthalene	ND		5.4	1.6	1		1787	1261
Phenanthrene	ND		5.4	1.6	1		1787	1261
Pyrene	ND		5.4	1.7	1		1787	1261
Nitrobenzene-d5 (S)	82.8 %		41-113		1		1787	1261
2-Fluorobiphenyl (S)	86.9 %		45-108		1		1787	1261
Terphenyl-d14 (S)	71.9 %		43-122		1		1787	1261

Analysis Desc: EPA 310.1 | Analytical Batches:

Batch: 3209 EPA 310.1 on 06/02/2010 14:30 by PAC

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Alkalinity, CO3 as CaCO3	ND		2.00	1.68	1			3209
Alkalinity, HCO3 as CaCO3	168		2.00	1.68	1			3207

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ANALYTICAL RESULTS

Workorder: H10050627 : COP - Maljamar | Project Number: COP - Maljamar, 114-6400486

Lab ID: **H10050627003** | Date/Time Received: 5/27/2010 10:00 | Matrix: Water

Sample ID: **MW-12** | Date/Time Collected: 5/26/2010 09:40

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1318 EPA 300.0 on 05/27/2010 15:24 by CFS DF = 1

Batch: 1323 EPA 300.0 on 06/07/2010 11:50 by CFS DF = 100

Batch: 1323 EPA 300.0 on 06/07/2010 14:40 by CFS DF = 5000

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Bromide	ND		0.500	0.0830	1			1318
Chloride	59300		2500	630	5000			1323
Nitrogen, Nitrate (As N)	ND		0.500	0.0676	1			1317
Sulfate	1210		50.0	4.35	100			1323

Analysis Desc: SM 2320 B

Analytical Batches:

Batch: 3206 SM 2320 B on 06/02/2010 14:30 by PAC

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Alkalinity, total as CaCO3	106		2.00	1.68	1			3206

Analysis Desc: SM 2540 C

Analytical Batches:

Batch: 1625 SM 2540 C on 05/27/2010 15:00 by CFS

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Residue, Filterable (TDS)	72000		500	197	50			1625

ICP TOTAL METALS

Analysis Desc: SW-846 6010B

Preparation Batches:

Batch: 1791 SW-846 3010A on 05/28/2010 10:50 by F S

Analytical Batches:

Batch: 1425 SW-846 6010B on 05/30/2010 18:30 by EBG DF = 10

Batch: 1440 SW-846 6010B on 06/10/2010 11:15 by EBG DF = 100

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Calcium	2490		1.00	0.171	10		1791	1425
Magnesium	700		1.00	0.483	10		1791	1425
Potassium	42.4		10.0	0.476	10		1791	1425
Sodium	14300		10.0	2.95	100		1791	1440

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ANALYTICAL RESULTS

Workorder: H10050627 : COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

Lab ID: **H10050627003**

Date/Time Received: 5/27/2010 10:00

Matrix: Water

Sample ID: **MW-12**

Date/Time Collected: 5/26/2010 09:40

VOLATILES

Analysis Desc: SW-846 8260B

SW-846 5030Analytical Batches:

Batch: 2004 SW-846 8260B on 06/05/2010 05:19 by JMC

Parameters	Results ug/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Benzene	ND		1.0	0.10	1			2004
Ethylbenzene	ND		1.0	0.15	1			2004
Toluene	ND		1.0	0.29	1			2004
m,p-Xylene	ND		1.0	0.18	1			2004
o-Xylene	ND		1.0	0.13	1			2004
Xylenes, Total	ND		1.0	0.13	1			2004
4-Bromofluorobenzene (S)	98.8 %		74-125		1			2004
1,2-Dichloroethane-d4 (S)	109 %		70-130		1			2004
Toluene-d8 (S)	103 %		82-118		1			2004
Preservation pH	<2				1			2004

PAH

Analysis Desc: SW-846 8270C

Preparation Batches:

Batch: 1787 SW-846 3510C on 05/28/2010 14:38 by A_G

Analytical Batches:

Batch: 1261 SW-846 8270C on 06/01/2010 19:33 by GEY

Parameters	Results ug/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Acenaphthene	ND		5.3	1.5	1		1787	1261
Acenaphthylene	ND		5.3	1.5	1		1787	1261
Anthracene	ND		5.3	1.5	1		1787	1261
Benzo(a)anthracene	ND		5.3	1.5	1		1787	1261
Benzo(a)pyrene	ND		5.3	1.7	1		1787	1261
Benzo(b)fluoranthene	ND		5.3	1.6	1		1787	1261
Benzo(g,h,i)perylene	ND		5.3	1.6	1		1787	1261
Benzo(k)fluoranthene	ND		5.3	1.9	1		1787	1261
Chrysene	ND		5.3	1.6	1		1787	1261
Dibenz(a,h)anthracene	ND		5.3	1.5	1		1787	1261
Dibenzofuran	ND		5.3	1.5	1		1787	1261
Fluoranthene	ND		5.3	1.5	1		1787	1261
Fluorene	ND		5.3	1.5	1		1787	1261
Indeno(1,2,3-cd)pyrene	ND		5.3	1.5	1		1787	1261
1-Methylnaphthalene	ND		5.3	1.5	1		1787	1261
2-Methylnaphthalene	ND		5.3	1.6	1		1787	1261
Naphthalene	ND		5.3	1.6	1		1787	1261

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ANALYTICAL RESULTS

Workorder: H10050627 : COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

Lab ID: **H10050627003**
Sample ID: **MW-12**

Date/Time Received: 5/27/2010 10:00
Date/Time Collected: 5/26/2010 09:40

Matrix: Water

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Phenanthrene	ND		5.3	1.6	1		1787	1261
Pyrene	ND		5.3	1.6	1		1787	1261
Nitrobenzene-d5 (S)	83.4 %		41-113		1		1787	1261
2-Fluorobiphenyl (S)	89.9 %		45-108		1		1787	1261
Terphenyl-d14 (S)	67.2 %		43-122		1		1787	1261

Analysis Desc: EPA 310.1 Analytical Batches:

Batch: 3209 EPA 310.1 on 06/02/2010 14:30 by PAC

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Alkalinity, CO3 as CaCO3	ND		2.00	1.68	1			3209
Alkalinity, HCO3 as CaCO3	106		2.00	1.68	1			3207

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ANALYTICAL RESULTS

Workorder: H10050627 : COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

Lab ID: **H10050627004**

Date/Time Received: 5/27/2010 10:00

Matrix: Water

Sample ID: **MW-4**

Date/Time Collected: 5/26/2010 10:45

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1318 EPA 300.0 on 05/27/2010 15:41 by CFS DF = 1

Batch: 1323 EPA 300.0 on 06/07/2010 12:07 by CFS DF = 100

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Bromide	2.34		0.500	0.0830	1			1318
Chloride	437		50.0	12.6	100			1323
Nitrogen, Nitrate (As N)	ND		0.500	0.0676	1			1317
Sulfate	ND		0.500	0.0435	1			1318

Analysis Desc: SM 2320 B

Analytical Batches:

Batch: 3206 SM 2320 B on 06/02/2010 14:30 by PAC

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Alkalinity, total as CaCO3	161		2.00	1.68	1			3206

Analysis Desc: SM 2540 C

Analytical Batches:

Batch: 1625 SM 2540 C on 05/27/2010 15:00 by CFS

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Residue, Filterable (TDS)	4550		100	39.4	10			1625

ICP TOTAL METALS

Analysis Desc: SW-846 6010B

Preparation Batches:

Batch: 1791 SW-846 3010A on 05/28/2010 10:50 by FS

Analytical Batches:

Batch: 1425 SW-846 6010B on 05/31/2010 12:25 by EBG DF = 1

Batch: 1440 SW-846 6010B on 06/10/2010 02:14 by EBG DF = 1

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Calcium	162		0.100	0.0171	1		1791	1425
Magnesium	50.5		0.100	0.0483	1		1791	1425
Potassium	7.78		1.00	0.0476	1		1791	1425
Sodium	74.0		0.100	0.0295	1		1791	1440

VOLATILES

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ANALYTICAL RESULTS

Workorder: H10050627 : COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

Lab ID: **H10050627004**

Date/Time Received: 5/27/2010 10:00

Matrix: Water

Sample ID: **MW-4**

Date/Time Collected: 5/26/2010 10:45

Analysis Desc: SW-846 8260B

SW-846 5030Analytical Batches:

Batch: 2004 SW-846 8260B on 06/05/2010 05:47 by JMC

Parameters	Results ug/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Benzene	84		1.0	0.10	1			2004
Ethylbenzene	45		1.0	0.15	1			2004
Toluene	ND		1.0	0.29	1			2004
m,p-Xylene	39		1.0	0.18	1			2004
o-Xylene	2.8		1.0	0.13	1			2004
Xylenes, Total	41.8		1.0	0.13	1			2004
4-Bromofluorobenzene (S)	102 %		74-125		1			2004
1,2-Dichloroethane-d4 (S)	95.4 %		70-130		1			2004
Toluene-d8 (S)	101 %		82-118		1			2004
Preservation pH	<2				1			2004

PAH

Analysis Desc: SW-846 8270C

Preparation Batches:

Batch: 1787 SW-846 3510C on 05/28/2010 14:38 by A G

Analytical Batches:

Batch: 1261 SW-846 8270C on 06/01/2010 20:05 by GEY

Parameters	Results ug/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Acenaphthene	ND		5.5	1.6	1		1787	1261
Acenaphthylene	ND		5.5	1.5	1		1787	1261
Anthracene	ND		5.5	1.5	1		1787	1261
Benzo(a)anthracene	ND		5.5	1.6	1		1787	1261
Benzo(a)pyrene	ND		5.5	1.7	1		1787	1261
Benzo(b)fluoranthene	ND		5.5	1.7	1		1787	1261
Benzo(g,h,i)perylene	ND		5.5	1.7	1		1787	1261
Benzo(k)fluoranthene	ND		5.5	1.9	1		1787	1261
Chrysene	ND		5.5	1.6	1		1787	1261
Dibenz(a,h)anthracene	ND		5.5	1.5	1		1787	1261
Dibenzofuran	ND		5.5	1.6	1		1787	1261
Fluoranthene	ND		5.5	1.5	1		1787	1261
Fluorene	ND		5.5	1.6	1		1787	1261
Indeno(1,2,3-cd)pyrene	ND		5.5	1.5	1		1787	1261
1-Methylnaphthalene	19		5.5	1.5	1		1787	1261
2-Methylnaphthalene	14		5.5	1.6	1		1787	1261
Naphthalene	6.4		5.5	1.6	1		1787	1261
Phenanthrene	ND		5.5	1.7	1		1787	1261

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ANALYTICAL RESULTS

Workorder: H10050627 : COP - Maljamar | Project Number: COP - Maljamar, 114-6400486

Lab ID: **H10050627004** | Date/Time Received: 5/27/2010 10:00 | Matrix: Water

Sample ID: **MW-4** | Date/Time Collected: 5/26/2010 10:45

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Pyrene	ND		5.5	1.7	1		1787	1261
Nitrobenzene-d5 (S)	74.7 %		41-113		1		1787	1261
2-Fluorobiphenyl (S)	79.4 %		45-108		1		1787	1261
Terphenyl-d14 (S)	75.2 %		43-122		1		1787	1261

Analysis Desc: EPA 310.1 | Analytical Batches:

Batch: 3209 EPA 310.1 on 06/02/2010 14:30 by PAC

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Alkalinity, CO3 as CaCO3	ND		2.00	1.68	1			3209
Alkalinity, HCO3 as CaCO3	161		2.00	1.68	1			3207

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ANALYTICAL RESULTS

Workorder: H10050627 : COP - Maljamar | Project Number: COP - Maljamar, 114-6400486

Lab ID: **H10050627005** | Date/Time Received: 5/27/2010 10:00 | Matrix: Water

Sample ID: **MW-2** | Date/Time Collected: 5/26/2010 11:15

Analysis Desc: SW-846 8260B | SW-846 5030Analytical Batches:

Batch: 2020 SW-846 8260B on 06/08/2010 08:17 by JMC DF = 250

Batch: 2018 SW-846 8260B on 06/08/2010 18:41 by JMC DF = 50

Parameters	Results ug/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Benzene	49000		250	25	250			2020
Ethylbenzene	640		50	7.6	50			2018
Toluene	13000		250	72	250			2020
m,p-Xylene	220		50	9.2	50			2018
o-Xylene	220		50	6.5	50			2018
Xylenes, Total	440		50	6.5	50			2018
4-Bromofluorobenzene (S)	100 %		74-125		250			2020
4-Bromofluorobenzene (S)	102 %		74-125		50			2018
1,2-Dichloroethane-d4 (S)	83.6 %		70-130		50			2018
1,2-Dichloroethane-d4 (S)	93.7 %		70-130		250			2020
Toluene-d8 (S)	101 %		82-118		50			2018
Toluene-d8 (S)	102 %		82-118		250			2020
Preservation pH	<2				50			2018

PAH

Analysis Desc: SW-846 8270C | Preparation Batches:

Batch: 1787 SW-846 3510C on 05/28/2010 14:38 by A_G

Analytical Batches:

Batch: 1261 SW-846 8270C on 06/01/2010 20:37 by GEY

Parameters	Results ug/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Acenaphthene	ND		5.3	1.5	1		1787	1261
Acenaphthylene	ND		5.3	1.5	1		1787	1261
Anthracene	ND		5.3	1.5	1		1787	1261
Benzo(a)anthracene	ND		5.3	1.5	1		1787	1261
Benzo(a)pyrene	ND		5.3	1.7	1		1787	1261
Benzo(b)fluoranthene	ND		5.3	1.6	1		1787	1261
Benzo(g,h,i)perylene	ND		5.3	1.6	1		1787	1261
Benzo(k)fluoranthene	ND		5.3	1.9	1		1787	1261
Chrysene	ND		5.3	1.6	1		1787	1261
Dibenz(a,h)anthracene	ND		5.3	1.5	1		1787	1261
Dibenzofuran	ND		5.3	1.5	1		1787	1261
Fluoranthene	ND		5.3	1.5	1		1787	1261
Fluorene	ND		5.3	1.5	1		1787	1261
Indeno(1,2,3-cd)pyrene	ND		5.3	1.5	1		1787	1261

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ANALYTICAL RESULTS

Workorder: H10050627 : COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

Lab ID: **H10050627005**

Date/Time Received: 5/27/2010 10:00

Matrix: Water

Sample ID: **MW-2**

Date/Time Collected: 5/26/2010 11:15

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Batch Information Analysis
1-Methylnaphthalene	12		5.3	1.5	1		1787	1261
2-Methylnaphthalene	12		5.3	1.6	1		1787	1261
Naphthalene	13		5.3	1.6	1		1787	1261
Phenanthrene	ND		5.3	1.6	1		1787	1261
Pyrene	ND		5.3	1.6	1		1787	1261
Nitrobenzene-d5 (S)	67.4 %		41-113		1		1787	1261
2-Fluorobiphenyl (S)	80.6 %		45-108		1		1787	1261
Terphenyl-d14 (S)	67 %		43-122		1		1787	1261

Analysis Desc: EPA 310.1 Analytical Batches:

Batch: 3209 EPA 310.1 on 06/02/2010 14:30 by PAC

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Batch Information Analysis
Alkalinity, CO3 as CaCO3	ND		2.00	1.68	1			3209
Alkalinity, HCO3 as CaCO3	313		2.00	1.68	1			3207

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ANALYTICAL RESULTS

Workorder: H10050627 : COP - Maljamar | Project Number: COP - Maljamar, 114-6400486

Lab ID: **H10050627005** | Date/Time Received: 5/27/2010 10:00 | Matrix: Water

Sample ID: **MW-2** | Date/Time Collected: 5/26/2010 11:15

WET CHEMISTRY

Analysis Desc: EPA 300.0 | Analytical Batches:
Batch: 1318 EPA 300.0 on 05/27/2010 17:07 by CFS DF = 1.
Batch: 1323 EPA 300.0 on 06/07/2010 12:24 by CFS DF = 100.

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Bromide	4.85		0.500	0.0830	1			1318
Chloride	563		50.0	12.6	100			1323
Nitrogen, Nitrate (As N)	ND		0.500	0.0676	1			1317
Sulfate	1.34		0.500	0.0435	1			1318

Analysis Desc: SM 2320 B | Analytical Batches:
Batch: 3206 SM 2320 B on 06/02/2010 14:30 by PAC

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Alkalinity, total as CaCO3	313		2.00	1.68	1			3206

Analysis Desc: SM 2540 C | Analytical Batches:
Batch: 1625 SM 2540 C on 05/27/2010 15:00 by CFS

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Residue, Filterable (TDS)	2090		100	39.4	10			1625

ICP TOTAL METALS

Analysis Desc: SW-846 6010B | Preparation Batches:
Batch: 1791 SW-846 3010A on 05/28/2010 10:50 by F_S
Analytical Batches:
Batch: 1425 SW-846 6010B on 05/31/2010 12:31 by EBG DF = 1.
Batch: 1440 SW-846 6010B on 06/10/2010 02:20 by EBG DF = 1.

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Calcium	282		0.100	0.0171	1		1791	1425
Magnesium	61.9		0.100	0.0483	1		1791	1425
Potassium	3.09		1.00	0.0476	1		1791	1425
Sodium	65.8		0.100	0.0295	1		1791	1440

VOLATILES

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ANALYTICAL RESULTS

Workorder: H10050627 : COP - Maljamar | Project Number: COP - Maljamar, 114-6400486

Lab ID: **H10050627006** | Date/Time Received: 5/27/2010 10:00 | Matrix: Water

Sample ID: **MW-5** | Date/Time Collected: 5/26/2010 12:00

Analysis Desc: SW-846 8260B | SW-846 5030Analytical Batches:

Batch: 2016 SW-846 8260B on 06/07/2010 12:46 by JMC

Parameters	Results ug/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Benzene	3.4		1.0	0.10	1			2016
Ethylbenzene	29		1.0	0.15	1			2016
Toluene	1.2		1.0	0.29	1			2016
m,p-Xylene	16		1.0	0.18	1			2016
o-Xylene	ND		1.0	0.13	1			2016
Xylenes, Total	16		1.0	0.13	1			2016
4-Bromofluorobenzene (S)	107 %		74-125		1			2016
1,2-Dichloroethane-d4 (S)	91.3 %		70-130		1			2016
Toluene-d8 (S)	103 %		82-118		1			2016
Preservation pH	<2				1			2016

PAH

Analysis Desc: SW-846 8270C | Preparation Batches:

Batch: 1787 SW-846 3510C on 05/28/2010 14:38 by A_G

Analytical Batches:

Batch: 1261 SW-846 8270C on 06/01/2010 21:09 by GEY

Parameters	Results ug/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Acenaphthene	ND		11	3.1	2		1787	1261
Acenaphthylene	ND		11	3.1	2		1787	1261
Anthracene	ND		11	3.0	2		1787	1261
Benzo(a)anthracene	ND		11	3.1	2		1787	1261
Benzo(a)pyrene	ND		11	3.5	2		1787	1261
Benzo(b)fluoranthene	ND		11	3.3	2		1787	1261
Benzo(g,h,i)perylene	ND		11	3.3	2		1787	1261
Benzo(k)fluoranthene	ND		11	3.8	2		1787	1261
Chrysene	ND		11	3.2	2		1787	1261
Dibenz(a,h)anthracene	ND		11	3.0	2		1787	1261
Dibenzofuran	ND		11	3.2	2		1787	1261
Fluoranthene	ND		11	3.0	2		1787	1261
Fluorene	ND		11	3.1	2		1787	1261
Indeno(1,2,3-cd)pyrene	ND		11	3.0	2		1787	1261
1-Methylnaphthalene	75		11	3.0	2		1787	1261
2-Methylnaphthalene	76		11	3.2	2		1787	1261
Naphthalene	11		11	3.2	2		1787	1261
Phenanthrene	ND		11	3.3	2		1787	1261

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ANALYTICAL RESULTS

Workorder: H10050627 : COP - Maljamar | Project Number: COP - Maljamar, 114-6400486

Lab ID: **H10050627006** | Date/Time Received: 5/27/2010 10:00 | Matrix: Water

Sample ID: **MW-5** | Date/Time Collected: 5/26/2010 12:00

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Pyrene	ND		11	3.3	2		1787	1261
Nitrobenzene-d5 (S)	96.3 %		41-113		2		1787	1261
2-Fluorobiphenyl (S)	76.2 %		45-108		2		1787	1261
Terphenyl-d14 (S)	66.2 %		43-122		2		1787	1261

Analysis Desc: EPA 310.1 | Analytical Batches:

Batch: 3209 EPA 310.1 on 06/02/2010 14:30 by PAC

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Alkalinity, CO3 as CaCO3	ND		2.00	1.68	1			3209
Alkalinity, HCO3 as CaCO3	474		2.00	1.68	1			3207

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ANALYTICAL RESULTS

Workorder: H10050627 : COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

Lab ID: **H10050627006**

Date/Time Received: 5/27/2010 10:00

Matrix: Water

Sample ID: **MW-5**

Date/Time Collected: 5/26/2010 12:00

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:

Batch: 1318 EPA 300.0 on 05/27/2010 17:24 by CFS DF = 1

Batch: 1323 EPA 300.0 on 06/07/2010 12:41 by CFS DF = 100

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Bromide	1.37		0.500	0.0830	1			1318
Chloride	501		50.0	12.6	100			1323
Nitrogen, Nitrate (As N)	ND		0.500	0.0676	1			1317
Sulfate	10.9		0.500	0.0435	1			1318

Analysis Desc: SM 2320 B

Analytical Batches:

Batch: 3206 SM 2320 B on 06/02/2010 14:30 by PAC

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Alkalinity, total as CaCO3	474		2.00	1.68	1			3206

Analysis Desc: SM 2540 C

Analytical Batches:

Batch: 1625 SM 2540 C on 05/27/2010 15:00 by CFS

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Residue, Filterable (TDS)	1640		100	39.4	10			1625

ICP TOTAL METALS

Analysis Desc: SW-846 6010B

Preparation Batches:

Batch: 1791 SW-846 3010A on 05/28/2010 10:50 by F_S

Analytical Batches:

Batch: 1425 SW-846 6010B on 05/31/2010 12:37 by EBG DF = 1

Batch: 1440 SW-846 6010B on 06/10/2010 02:26 by EBG DF = 1

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Calcium	245		0.100	0.0171	1		1791	1425
Magnesium	44.2		0.100	0.0483	1		1791	1425
Potassium	3.10		1.00	0.0476	1		1791	1425
Sodium	182		0.100	0.0295	1		1791	1440

VOLATILES

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ANALYTICAL RESULTS

Workorder: H10050627 : COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

Lab ID: **H10050627007**

Date/Time Received: 5/27/2010 10:00

Matrix: Water

Sample ID: **Dup #2**

Date/Time Collected: 5/26/2010 00:00

WET CHEMISTRY

Analysis Desc: EPA 300.0

Analytical Batches:
Batch: 1318 EPA 300.0 on 05/27/2010 17:41 by CFS DF = 1.
Batch: 1323 EPA 300.0 on 06/07/2010 13:32 by CFS DF = 1000.
Batch: 1323 EPA 300.0 on 06/07/2010 15:31 by CFS DF = 5000.

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Bromide	ND		0.500	0.0830	1			1318
Chloride	47700		2500	630	5000			1323
Nitrogen, Nitrate (As N)	22800		0.500	0.0676	1			1317
Sulfate	1450		500	43.5	1000			1323

Analysis Desc: SM 2320 B

Analytical Batches:
Batch: 3206 SM 2320 B on 06/02/2010 14:30 by PAC

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Alkalinity, total as CaCO3	108		2.00	1.68	1			3206

Analysis Desc: SM 2540 C

Analytical Batches:
Batch: 1625 SM 2540 C on 05/27/2010 15:00 by CFS

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Residue, Filterable (TDS)	79000		500	197	50			1625

ICP TOTAL METALS

Analysis Desc: SW-846 6010B

Preparation Batches:
Batch: 1791 SW-846 3010A on 05/28/2010 10:50 by F_S
Analytical Batches:
Batch: 1425 SW-846 6010B on 05/30/2010 16:15 by EBG DF = 10.
Batch: 1440 SW-846 6010B on 06/10/2010 00:47 by EBG DF = 100.

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Calcium	2760		1.00	0.171	10		1791	1425
Magnesium	788		1.00	0.483	10		1791	1425
Potassium	47.2		10.0	0.476	10		1791	1425
Sodium	14900		10.0	2.95	100		1791	1440

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ANALYTICAL RESULTS

Workorder: H10050627 : COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

Lab ID: **H10050627007**

Date/Time Received: 5/27/2010 10:00

Matrix: Water

Sample ID: **Dup #2**

Date/Time Collected: 5/26/2010 00:00

VOLATILES

Analysis Desc: SW-846 8260B

SW-846 5030Analytical Batches:

Batch: 2004 SW-846 8260B on 06/05/2010 03:00 by JMC

Parameters	Results ug/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Benzene	ND		1.0	0.10	1			2004
Ethylbenzene	ND		1.0	0.15	1			2004
Toluene	ND		1.0	0.29	1			2004
m,p-Xylene	ND		1.0	0.18	1			2004
o-Xylene	ND		1.0	0.13	1			2004
Xylenes, Total	ND		1.0	0.13	1			2004
4-Bromofluorobenzene (S)	97.9 %		74-125		1			2004
1,2-Dichloroethane-d4 (S)	105 %		70-130		1			2004
Toluene-d8 (S)	99.8 %		82-118		1			2004
Preservation pH	<2				1			2004

PAH

Analysis Desc: SW-846 8270C

Preparation Batches:

Batch: 1787 SW-846 3510C on 05/28/2010 14:38 by A_G

Analytical Batches:

Batch: 1261 SW-846 8270C on 06/01/2010 21:41 by GEY

Parameters	Results ug/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Acenaphthene	ND		5.6	1.6	1		1787	1261
Acenaphthylene	ND		5.6	1.6	1		1787	1261
Anthracene	ND		5.6	1.6	1		1787	1261
Benzo(a)anthracene	ND		5.6	1.6	1		1787	1261
Benzo(a)pyrene	ND		5.6	1.8	1		1787	1261
Benzo(b)fluoranthene	ND		5.6	1.7	1		1787	1261
Benzo(g,h,i)perylene	ND		5.6	1.7	1		1787	1261
Benzo(k)fluoranthene	ND		5.6	2.0	1		1787	1261
Chrysene	ND		5.6	1.7	1		1787	1261
Dibenz(a,h)anthracene	ND		5.6	1.6	1		1787	1261
Dibenzofuran	ND		5.6	1.6	1		1787	1261
Fluoranthene	ND		5.6	1.6	1		1787	1261
Fluorene	ND		5.6	1.6	1		1787	1261
Indeno(1,2,3-cd)pyrene	ND		5.6	1.6	1		1787	1261
1-Methylnaphthalene	ND		5.6	1.6	1		1787	1261
2-Methylnaphthalene	ND		5.6	1.7	1		1787	1261
Naphthalene	ND		5.6	1.6	1		1787	1261

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ANALYTICAL RESULTS

Workorder: H10050627 : COP - Maljamar | Project Number: COP - Maljamar, 114-6400486

Lab ID: **H10050627007** | Date/Time Received: 5/27/2010 10:00 | Matrix: Water

Sample ID: **Dup #2** | Date/Time Collected: 5/26/2010 00:00

Parameters	Results	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Batch Information Analysis
Phenanthrene	ND		5.6	1.7	1		1787	1261
Pyrene	ND		5.6	1.7	1		1787	1261
Nitrobenzene-d5 (S)	77 %		41-113		1		1787	1261
2-Fluorobiphenyl (S)	83.9 %		45-108		1		1787	1261
Terphenyl-d14 (S)	86 %		43-122		1		1787	1261

Analysis Desc: EPA 310.1 | Analytical Batches:

Batch: 3209 EPA 310.1 on 06/02/2010 14:30 by PAC

Parameters	Results mg/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Batch Information Analysis
Alkalinity, CO3 as CaCO3	ND		2.00	1.68	1			3209
Alkalinity, HCO3 as CaCO3	108		2.00	1.68	1			3207

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ANALYTICAL RESULTS

Workorder: H10050627 : COP - Maljamar | Project Number: COP - Maljamar, 114-6400486

Lab ID: **H10050627008** | Date/Time Received: 5/27/2010 10:00 | Matrix: Water

Sample ID: **Trip Blank** | Date/Time Collected: 5/26/2010 12:30

VOLATILES

Analysis Desc: SW-846 8260B | SW-846 5030Analytical Batches:

Batch: 2004 SW-846 8260B on 06/05/2010 02:32 by JMC

Parameters	Results ug/l	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Benzene	ND		1.0	0.10	1			2004
Ethylbenzene	ND		1.0	0.15	1			2004
Toluene	ND		1.0	0.29	1			2004
m,p-Xylene	ND		1.0	0.18	1			2004
o-Xylene	ND		1.0	0.13	1			2004
Xylenes, Total	ND		1.0	0.13	1			2004
4-Bromofluorobenzene (S)	99.1 %		74-125		1			2004
1,2-Dichloroethane-d4 (S)	106 %		70-130		1			2004
Toluene-d8 (S)	99.6 %		82-118		1			2004
Preservation pH	<2				1			2004

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QUALITY CONTROL DATA

Workorder: H10050627 : COP - Maljamar — Project Number: COP - Maljamar, 114-6400486

QC Batch: WETS/1625 — Analysis Method: SM 2540 C

QC Batch Method: SM 2540 C

Associated Lab Samples: H10050606006, H10050627001, H10050627002, H10050627003, H10050627004, H10050627005, H10050627006, H10050627007, H10050630004

METHOD BLANK: 47885

Analysis Date/Time Analyst: 05/27/2010 15:00 CFS

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Residue, Filterable (TDS)	mg/l	ND		10.0

LABORATORY CONTROL SAMPLE & LCSD: 47886 47888

LCS Analysis Date/Time Analyst: 05/27/2010 15:00 CFS

LCSD Analysis Date/Time 05/27/2010 15:00 CFS

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD
Residue, Filterable (TDS)	mg/l	200	199.0	201.0	99.5	100	95-107	1.0	10

SAMPLE DUPLICATE: 47887 Original: H10050630004

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	DF
WET CHEMISTRY						2
Residue, Filterable (TDS)	mg/l	2520	2520	0.1	10	2

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.

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QUALITY CONTROL DATA

Workorder: H10050627 : COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:48058 48059 Original: H10050627007

MS Analysis Date/Time Analyst: 05/30/2010 16:22 EBG

MSD Analysis Date/Time Analyst: 05/30/2010 16:28 EBG

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Magnesium	mg/l	788	1.0	768.3	776.5	NC	NC	75-125	NC	20
Potassium	mg/l	47.2	5	51.74	51.82	NC	NC	75-125	NC	20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:48058 48059 Original: H10050627007

MS Analysis Date/Time Analyst: 06/10/2010 00:54 EBG

MSD Analysis Date/Time Analyst: 06/10/2010 01:00 EBG

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Sodium	mg/l	14900	1.0	13810	15100	NC	NC	75-125	NC	20

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.

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QUALITY CONTROL DATA

Workorder: H10050627 : COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

QC Batch: IC/1318

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Associated Lab Samples: H10050607004 H10050627001 H10050627002 H10050627003 H10050627004 H10050627005 H10050627006 H10050627007

METHOD BLANK: 48081

Analysis Date/Time Analyst: 05/27/2010 11:30 CFS

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Sulfate	mg/l	ND		0.500
Bromide	mg/l	ND		0.500

LABORATORY CONTROL SAMPLE: 48082

Analysis Date/Time Analyst: 05/27/2010 11:47 CFS

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Sulfate	mg/l	10	10.74	107	85-115
Bromide	mg/l	10	10.67	107	85-115

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:48083 48084 Original: H10050649001

MS Analysis Date/Time Analyst: 05/28/2010 00:12 CFS

MSD Analysis Date/Time Analyst: 05/28/2010 00:29 CFS

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Sulfate	mg/l	ND	10	39.87	84.78	399 *	848 *	80-120	72.1 *	20
Bromide	mg/l	ND	10	18.65	16.63	186 *	166 *	80-120	11.5	20

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.

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QUALITY CONTROL DATA

Workorder: H10050627 : COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

QC Batch: EXTO/1787

Analysis Method: SW-846 8270C

QC Batch Method: SW-846 3510C

Preparation: 05/28/2010 14:29 by A_G

Associated Lab Samples: H10050627001 H10050627002 H10050627003 H10050627004 H10050627005 H10050627006 H10050627007

METHOD BLANK: 48144

Analysis Date/Time Analyst: 06/01/2010 16:52 GEY

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
1-Methylnaphthalene	ug/l	ND		5.0
2-Methylnaphthalene	ug/l	ND		5.0
Acenaphthene	ug/l	ND		5.0
Acenaphthylene	ug/l	ND		5.0
Anthracene	ug/l	ND		5.0
Benzo(a)anthracene	ug/l	ND		5.0
Benzo(b)fluoranthene	ug/l	ND		5.0
Benzo(k)fluoranthene	ug/l	ND		5.0
Benzo(g,h,i)perylene	ug/l	ND		5.0
Benzo(a)pyrene	ug/l	ND		5.0
Chrysene	ug/l	ND		5.0
Dibenz(a,h)anthracene	ug/l	ND		5.0
Dibenzofuran	ug/l	ND		5.0
Fluoranthene	ug/l	ND		5.0
Fluorene	ug/l	ND		5.0
Indeno(1,2,3-cd)pyrene	ug/l	ND		5.0
Naphthalene	ug/l	ND		5.0
Phenanthrene	ug/l	ND		5.0
Pyrene	ug/l	ND		5.0
Nitrobenzene-d5 (S)	%	85.8		41-113
2-Fluorobiphenyl (S)	%	83.5		45-108
Terphenyl-d14 (S)	%	82.2		43-122

LABORATORY CONTROL SAMPLE & LCSD: 48145 48146

LCS Analysis Date/Time Analyst: 06/01/2010 17:25 GEY

LCSD Analysis Date/Time 06/01/2010 17:57 GEY

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD
1-Methylnaphthalene	ug/l	50	34.4	35.4	68.7	70.9	52-109	3.1	30
2-Methylnaphthalene	ug/l	50	35.2	36.0	70.4	72.0	52-116	2.3	30
Acenaphthene	ug/l	50	40.3	42.0	80.5	84.0	52-117	4.3	30
Acenaphthylene	ug/l	50	39.5	40.3	78.9	80.6	53-117	2.1	30
Anthracene	ug/l	50	38.2	39.1	76.4	78.2	49-126	2.3	30
Benzo(a)anthracene	ug/l	50	41.5	42.1	83.0	84.2	53-121	1.3	30
Benzo(b)fluoranthene	ug/l	50	39.0	41.5	78.0	82.9	52-113	6.1	30

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.

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QUALITY CONTROL DATA

Workorder: H10050627 : COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

QC Batch: DIGM/1791

Analysis Method: SW-846 6010B

QC Batch Method: SW-846 3010A

Preparation: 05/28/2010 10:50 by F_S

Associated Lab Samples: H10050607003 H10050619001 H10050627001 H10050627002 H10050627003 H10050627004 H10050627005 H10050627006 H10050627007 H10050641001 H10050642001 H10050643001 H10050663001

METHOD BLANK: 48056

Analysis Date/Time Analyst: 05/30/2010 15:49 EBG

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Calcium	mg/l	ND		0.100
Magnesium	mg/l	ND		0.100
Potassium	mg/l	ND		1.00

Analysis Date/Time Analyst: 06/10/2010 00:36 EBG

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Sodium	mg/l	ND		0.100

LABORATORY CONTROL SAMPLE: 48057

Analysis Date/Time Analyst: 05/30/2010 15:54 EBG

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Calcium	mg/l	1.0	1.036	104	80-120
Magnesium	mg/l	1.0	0.9893	98.9	80-120
Potassium	mg/l	5	4.968	99.4	80-120

LABORATORY CONTROL SAMPLE: 48057

Analysis Date/Time Analyst: 06/10/2010 00:42 EBG

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Sodium	mg/l	1.0	0.9364	93.6	80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:48058 48059 Original: H10050627007

MS Analysis Date/Time Analyst: 05/30/2010 16:22 EBG

MSD Analysis Date/Time Analyst: 05/30/2010 16:28 EBG

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Calcium	mg/l	2760	1.0	2721	2746	NC	NC	75-125	NC	20

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.

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QUALITY CONTROL DATA

Workorder: H10050627 : COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

LABORATORY CONTROL SAMPLE & LCSD: 48145 48146

LCS Analysis Date/Time Analyst: 06/01/2010 17:25 GEY

LCSD Analysis Date/Time 06/01/2010 17:57 GEY

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD
Benzo(k)fluoranthene	ug/l	50	44.9	45.0	89.8	90.0	54-117	0.2	30
Benzo(g,h,i)perylene	ug/l	50	47.9	49.4	95.9	98.7	52-121	2.9	30
Benzo(a)pyrene	ug/l	50	41.7	43.5	83.4	86.9	47-100	4.2	30
Chrysene	ug/l	50	44.2	45.5	88.5	91.1	53-117	2.9	30
Dibenz(a,h)anthracene	ug/l	50	47.8	48.6	95.6	97.1	49-120	1.5	30
Dibenzofuran	ug/l	50	43.4	44.8	86.8	89.7	55-119	3.3	30
Fluoranthene	ug/l	50	44.7	46.1	89.5	92.3	49-132	3.1	30
Fluorene	ug/l	50	43.2	43.9	86.3	87.8	54-119	1.7	30
Indeno(1,2,3-cd)pyrene	ug/l	50	46.2	47.4	92.4	94.7	50-129	2.5	30
Naphthalene	ug/l	50	34.0	34.9	68.1	69.7	53-111	2.4	30
Phenanthrene	ug/l	50	44.2	45.4	88.4	90.8	49-124	2.6	30
Pyrene	ug/l	50	43.6	44.6	87.2	89.2	52-122	2.3	30
Nitrobenzene-d5 (S)	%				81.0	81.5	41-113		30
2-Fluorobiphenyl (S)	%				85.8	86.3	45-108		30
Terphenyl-d14 (S)	%				88.9	86.9	43-122		30

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.

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QUALITY CONTROL DATA

Workorder: H10050627 : COP - Maljamar | Project Number: COP - Maljamar, 114-6400486

QC Batch: WETC/3206 | Analysis Method: SM 2320 B

QC Batch Method: SM 2320 B

Associated Lab Samples: H10050627001, H10050627002, H10050627003, H10050627004, H10050627005, H10050627006, H10050627007, H10050671001, H10050671002, H10050671003, H10050671004, H10050671005, H10050671006, H10060037001

METHOD BLANK: 48791

Analysis Date/Time Analyst: 06/02/2010 14:30 PAC

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Alkalinity, total as CaCO3	mg/l	ND		2.00

LABORATORY CONTROL SAMPLE: 48792

Analysis Date/Time Analyst: 06/02/2010 14:30 PAC

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Alkalinity, total as CaCO3	mg/l	65	64.0	97.9	90-110

SAMPLE DUPLICATE: 48793 | Original: H10050627001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	DF
WET CHEMISTRY						1
Alkalinity, total as CaCO3	mg/l	121	121	0.0	20	1

SAMPLE DUPLICATE: 48794 | Original: H10050671006

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	DF
WET CHEMISTRY						1
Alkalinity, total as CaCO3	mg/l	216	216	0.0	20	1

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.

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QUALITY CONTROL DATA

Workorder: H10050627 : COP - Maljamar | Project Number: COP - Maljamar, 114-6400486

QC Batch: WETC/3207 | Analysis Method: EPA 310.1

QC Batch Method: EPA 310.1

Associated Lab Samples: H10050627001 H10050627002 H10050627003 H10050627004 H10050627005 H10050627006 H10050627007

SAMPLE DUPLICATE: 48799 | Original: H10050627001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	DF
WET CHEMISTRY						1
Alkalinity, HCO3 as CaCO3	mg/l	121	121	0.0		1

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.

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QUALITY CONTROL DATA

Workorder: H10050627 : COP - Maljamar | Project Number: COP - Maljamar, 114-6400486

QC Batch: WETC/3209 | Analysis Method: EPA 310.1

QC Batch Method: EPA 310.1

Associated Lab Samples: H10050627001 H10050627002 H10050627003 H10050627004 H10050627005 H10050627006 H10050627007

SAMPLE DUPLICATE: 48804 | Original: H10050627001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	DF
WET CHEMISTRY						1
Alkalinity, CO3 as CaCO3	mg/l	ND	ND	NC		1

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.

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QUALITY CONTROL DATA

Workorder: H10050627 : COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

QC Batch: MSV/2003

Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5030

Preparation: 06/04/2010 00:00 by JMC

Associated Lab Samples: H10050627001 H10050627002 H10050627003 H10050627004 H10050627007 H10050627008

METHOD BLANK: 49474

Analysis Date/Time Analyst: 06/05/2010 00:40 JMC

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Benzene	ug/l	ND		1.0
Ethylbenzene	ug/l	ND		1.0
Toluene	ug/l	ND		1.0
m,p-Xylene	ug/l	ND		1.0
o-Xylene	ug/l	ND		1.0
Xylenes, Total	ug/l	ND		1.0
4-Bromofluorobenzene (S)	%	96.5		74-125
1,2-Dichloroethane-d4 (S)	%	98.1		70-130
Toluene-d8 (S)	%	102		82-118

LABORATORY CONTROL SAMPLE: 49475

Analysis Date/Time Analyst: 06/05/2010 00:12 JMC

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Benzene	ug/l	20	18.6	93.0	74-123
Ethylbenzene	ug/l	20	18.6	93.1	72-127
Toluene	ug/l	20	19.0	95.2	74-126
m,p-Xylene	ug/l	40	37.2	92.9	71-129
o-Xylene	ug/l	20	19.3	96.7	74-130
Xylenes, Total	ug/l	60	56.51	94.2	71-130
4-Bromofluorobenzene (S)	%			107	74-125
1,2-Dichloroethane-d4 (S)	%			98.4	70-130
Toluene-d8 (S)	%			105	82-118

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:49476 49477 Original: H10050627007

MS Analysis Date/Time Analyst: 06/05/2010 03:28 JMC

MSD Analysis Date/Time Analyst: 06/05/2010 03:56 JMC

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	ND	20	18.8	18.1	94.1	90.7	70-124	3.7	20
Ethylbenzene	ug/l	ND	20	17.1	16.5	85.5	82.7	35-175	3.4	20
Toluene	ug/l	ND	20	18.8	18.0	94.1	90.1	70-131	4.4	20
m,p-Xylene	ug/l	ND	40	35.2	33.5	87.9	83.7	35-175	4.9	20

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.

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QUALITY CONTROL DATA

Workorder: H10050627 : COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:49476 49477 Original: H10050627007

MS Analysis Date/Time Analyst: 06/05/2010 03:28 JMC

MSD Analysis Date/Time Analyst: 06/05/2010 03:56 JMC

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
o-Xylene	ug/l	ND	20	18.5	17.7	92.7	88.3	35-175	4.9	20
Xylenes, Total	ug/l	ND	60	53.7	51.15	89.5	85.2	35-175	4.9	20
4-Bromofluorobenzene (S)	%	97.9				108	105	74-125		30
1,2-Dichloroethane-d4 (S)	%	105				102	101	70-130		30
Toluene-d8 (S)	%	99.8				107	104	82-118		30

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.

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QUALITY CONTROL DATA

Workorder: H10050627 : COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

QC Batch: IC/1323

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Associated Lab Samples: H10050627001 H10050627002 H10050627003 H10050627004 H10050627005 H10050627006 H10050627007 H10050652001 H10060039001

METHOD BLANK: 49637

Analysis Date/Time Analyst: 06/07/2010 09:00 CFS

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Sulfate	mg/l	ND		0.500
Chloride	mg/l	ND		0.500

LABORATORY CONTROL SAMPLE: 49638

Analysis Date/Time Analyst: 06/07/2010 09:17 CFS

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Sulfate	mg/l	10	10.53	105	85-115
Chloride	mg/l	10	10.89	109	85-115

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:49648 49649 Original: H10050627004

MS Analysis Date/Time Analyst: 06/07/2010 14:57 CFS

MSD Analysis Date/Time Analyst: 06/07/2010 15:14 CFS

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Chloride	mg/l	437	1000	1344	1301	90.7	86.4	80-120	3.3	20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:49650 49651 Original: H10050651001

MS Analysis Date/Time Analyst: 06/07/2010 16:56 CFS

MSD Analysis Date/Time Analyst: 06/07/2010 17:13 CFS

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Sulfate	mg/l	50.9	10	61.15	60.75	NC	NC	80-120	NC	20
Chloride	mg/l	1130	10	1129	1129	NC	NC	80-120	NC	20

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.

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QUALITY CONTROL DATA

Workorder: H10050627 : COP - Maljamar — Project Number: COP - Maljamar, 114-6400486

QC Batch: MSV/2014 — Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5030 — Preparation: 06/04/2010 00:00 by JMC

Associated Lab Samples: H10050627006

METHOD BLANK: 49825

Analysis Date/Time Analyst: 06/07/2010 10:26 JMC

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Benzene	ug/l	ND		1.0
Ethylbenzene	ug/l	ND		1.0
Toluene	ug/l	ND		1.0
m,p-Xylene	ug/l	ND		1.0
o-Xylene	ug/l	ND		1.0
Xylenes, Total	ug/l	ND		1.0
4-Bromofluorobenzene (S)	%	100		74-125
1,2-Dichloroethane-d4 (S)	%	99.9		70-130
Toluene-d8 (S)	%	102		82-118

LABORATORY CONTROL SAMPLE: 49826

Analysis Date/Time Analyst: 06/07/2010 09:58 JMC

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Benzene	ug/l	20	19.1	95.4	74-123
Ethylbenzene	ug/l	20	18.5	92.5	72-127
Toluene	ug/l	20	19.2	95.8	74-126
m,p-Xylene	ug/l	40	37.2	92.9	71-129
o-Xylene	ug/l	20	19.0	95.1	74-130
Xylenes, Total	ug/l	60	56.19	93.6	71-130
4-Bromofluorobenzene (S)	%			106	74-125
1,2-Dichloroethane-d4 (S)	%			96.9	70-130
Toluene-d8 (S)	%			103	82-118

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:49827 49828 Original: H10050627006

MS Analysis Date/Time Analyst: 06/07/2010 13:14 JMC

MSD Analysis Date/Time Analyst: 06/07/2010 13:42 JMC

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	3.4	20	21.5	20.8	90.5	87.2	70-124	3.1	20
Ethylbenzene	ug/l	29	20	44.9	42.4	79.9	67.2	35-175	5.8	20
Toluene	ug/l	1.2	20	18.9	18.1	88.6	84.6	70-131	4.4	20
m,p-Xylene	ug/l	16	40	47.3	44.7	79.3	73.1	35-175	5.5	20

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.

SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

QUALITY CONTROL DATA

Workorder: H10050627 : COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:49827 49828 Original: H10050627006

MS Analysis Date/Time Analyst: 06/07/2010 13:14 JMC

MSD Analysis Date/Time Analyst: 06/07/2010 13:42 JMC

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
o-Xylene	ug/l	ND	20	14.9	14.4	74.7	72.1	35-175	3.5	20
Xylenes, Total	ug/l	16	60	62.2	59.18	77.8	72.8	35-175	5.0	20
4-Bromofluorobenzene (S)	%	107				105	105	74-125		30
1,2-Dichloroethane-d4 (S)	%	91.3				90.7	89.6	70-130		30
Toluene-d8 (S)	%	103				104	101	82-118		30

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.

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QUALITY CONTROL DATA

Workorder: H10050627 : COP - Maljamar Project Number: COP - Maljamar, 114-6400486

QC Batch: MSV/2017 Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5030 Preparation: 06/08/2010 00:00 by JMC

Associated Lab Samples: H10050627005 H10060103001 H10060103002 H10060103003

METHOD BLANK: 49891

Analysis Date/Time Analyst: 06/08/2010 14:23 JMC

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Ethylbenzene	ug/l	ND		1.0
m,p-Xylene	ug/l	ND		1.0
o-Xylene	ug/l	ND		1.0
Xylenes, Total	ug/l	ND		1.0
4-Bromofluorobenzene (S)	%	101		74-125
1,2-Dichloroethane-d4 (S)	%	90.6		70-130
Toluene-d8 (S)	%	101		82-118

LABORATORY CONTROL SAMPLE: 49892

Analysis Date/Time Analyst: 06/08/2010 13:56 JMC

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Ethylbenzene	ug/l	20	18.5	92.5	72-127
m,p-Xylene	ug/l	40	37.7	94.1	71-129
o-Xylene	ug/l	20	19.3	96.4	74-130
Xylenes, Total	ug/l	60	56.93	94.9	71-130
4-Bromofluorobenzene (S)	%			106	74-125
1,2-Dichloroethane-d4 (S)	%			85.8	70-130
Toluene-d8 (S)	%			106	82-118

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:49893 49894 Original: H10050627005

MS Analysis Date/Time Analyst: 06/08/2010 19:09 JMC

MSD Analysis Date/Time Analyst: 06/08/2010 19:37 JMC

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Ethylbenzene	ug/l	640	1000	1560	1620	91.8	98.7	35-175	4.3	20
m,p-Xylene	ug/l	220	2000	2030	2110	90.3	94.4	35-175	4.0	20
o-Xylene	ug/l	220	1000	1120	1180	90.2	95.9	35-175	4.9	20
Xylenes, Total	ug/l	442	3000	3151	3289	90.3	94.9	35-175	4.3	20
4-Bromofluorobenzene (S)	%	102				99.6	100	74-125		30
1,2-Dichloroethane-d4 (S)	%	93.7				79.4	78.6	70-130		30
Toluene-d8 (S)	%	102				99.7	103	82-118		30

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.

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QUALITY CONTROL DATA

Workorder: H10050627 : COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

QC Batch: MSV/2019

Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5030

Preparation: 06/07/2010 00:00 by JMC

Associated Lab Samples: H10050627005 H10050671001 H10050671002 H10050671003 H10050671004 H10050671005 H10050671006 H10050671007 H10050671008 H10060103001 H10060103002 H10060103003

METHOD BLANK: 49899

Analysis Date/Time Analyst: 06/08/2010 03:11 JMC

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Benzene	ug/l	ND		1.0
Toluene	ug/l	ND		1.0
4-Bromofluorobenzene (S)	%	99.2		74-125
1,2-Dichloroethane-d4 (S)	%	97.8		70-130
Toluene-d8 (S)	%	105		82-118

LABORATORY CONTROL SAMPLE: 49900

Analysis Date/Time Analyst: 06/08/2010 02:43 JMC

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Benzene	ug/l	20	18.2	91.1	74-123
Toluene	ug/l	20	18.2	91.0	74-126
4-Bromofluorobenzene (S)	%			107	74-125
1,2-Dichloroethane-d4 (S)	%			97.8	70-130
Toluene-d8 (S)	%			106	82-118

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:49901 49902 Original: H10050671001

MS Analysis Date/Time Analyst: 06/08/2010 04:06 JMC

MSD Analysis Date/Time Analyst: 06/08/2010 04:34 JMC

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/l	ND	20	19.3	19.1	96.7	95.7	70-124	1.1	20
Toluene	ug/l	ND	20	19.2	19.1	96.2	95.3	70-131	0.9	20
4-Bromofluorobenzene (S)	%	95.3				105	103	74-125		30
1,2-Dichloroethane-d4 (S)	%	96.8				98.4	96.1	70-130		30
Toluene-d8 (S)	%	103				103	102	82-118		30

QC results presented in the QC Control Data 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. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.

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Legend

(S) - Indicates analyte is a surrogate

Qualifier	Qualifier Description
MI	Matrix Interference
I	Estimated value, between MDL and PQL (Florida)
JN	The analysis indicates the presence of an analyte
C	MTBE results were not confirmed by GCMS
NC	Not Calculated - Sample concentration > 4 times the spike
*	Recovery/RPD value outside QC limits
E	Results exceed calibration range
H	Exceeds holding time
J	Estimated value
Q	Received past holding time
B	Analyte detected in the Method Blank
N	Recovery outside of control limits
D	Recovery out of range due to dilution
NC	Not Calculable (Sample Duplicate)
P	Pesticide dual column results, greater then 25%
TNTC	Too numerous to count

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: H10050627 : COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
H10050627001	MW-18	SM 2540 C	WETS/1625		
H10050627002	MW-10	SM 2540 C	WETS/1625		
H10050627003	MW-12	SM 2540 C	WETS/1625		
H10050627004	MW-4	SM 2540 C	WETS/1625		
H10050627005	MW-2	SM 2540 C	WETS/1625		
H10050627006	MW-5	SM 2540 C	WETS/1625		
H10050627007	Dup #2	SM 2540 C	WETS/1625		
H10050627001	MW-18	SW-846 3010A	DIGM/1791	SW-846 6010B	ICP/1425
H10050627002	MW-10	SW-846 3010A	DIGM/1791	SW-846 6010B	ICP/1425
H10050627003	MW-12	SW-846 3010A	DIGM/1791	SW-846 6010B	ICP/1425
H10050627004	MW-4	SW-846 3010A	DIGM/1791	SW-846 6010B	ICP/1425
H10050627005	MW-2	SW-846 3010A	DIGM/1791	SW-846 6010B	ICP/1425
H10050627006	MW-5	SW-846 3010A	DIGM/1791	SW-846 6010B	ICP/1425
H10050627007	Dup #2	SW-846 3010A	DIGM/1791	SW-846 6010B	ICP/1425
H10050627001	MW-18	SW-846 3010A	DIGM/1791	SW-846 6010B	ICP/1440
H10050627002	MW-10	SW-846 3010A	DIGM/1791	SW-846 6010B	ICP/1440
H10050627003	MW-12	SW-846 3010A	DIGM/1791	SW-846 6010B	ICP/1440
H10050627004	MW-4	SW-846 3010A	DIGM/1791	SW-846 6010B	ICP/1440
H10050627005	MW-2	SW-846 3010A	DIGM/1791	SW-846 6010B	ICP/1440
H10050627006	MW-5	SW-846 3010A	DIGM/1791	SW-846 6010B	ICP/1440
H10050627007	Dup #2	SW-846 3010A	DIGM/1791	SW-846 6010B	ICP/1440
H10050627001	MW-18	EPA 300.0	IC/1317		
H10050627002	MW-10	EPA 300.0	IC/1317		
H10050627003	MW-12	EPA 300.0	IC/1317		
H10050627004	MW-4	EPA 300.0	IC/1317		
H10050627005	MW-2	EPA 300.0	IC/1317		
H10050627006	MW-5	EPA 300.0	IC/1317		
H10050627007	Dup #2	EPA 300.0	IC/1317		
H10050627001	MW-18	EPA 300.0	IC/1318		
H10050627002	MW-10	EPA 300.0	IC/1318		
H10050627003	MW-12	EPA 300.0	IC/1318		
H10050627004	MW-4	EPA 300.0	IC/1318		
H10050627005	MW-2	EPA 300.0	IC/1318		
H10050627006	MW-5	EPA 300.0	IC/1318		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: H10050627 : COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
H10050627007	Dup #2	EPA 300.0	IC/1318		
H10050627001	MW-18	SW-846 3510C	EXTO/1787	SW-846 8270C	MSSV/1261
H10050627002	MW-10	SW-846 3510C	EXTO/1787	SW-846 8270C	MSSV/1261
H10050627003	MW-12	SW-846 3510C	EXTO/1787	SW-846 8270C	MSSV/1261
H10050627004	MW-4	SW-846 3510C	EXTO/1787	SW-846 8270C	MSSV/1261
H10050627005	MW-2	SW-846 3510C	EXTO/1787	SW-846 8270C	MSSV/1261
H10050627006	MW-5	SW-846 3510C	EXTO/1787	SW-846 8270C	MSSV/1261
H10050627007	Dup #2	SW-846 3510C	EXTO/1787	SW-846 8270C	MSSV/1261
H10050627001	MW-18	SM 2320 B	WETC/3206		
H10050627002	MW-10	SM 2320 B	WETC/3206		
H10050627003	MW-12	SM 2320 B	WETC/3206		
H10050627004	MW-4	SM 2320 B	WETC/3206		
H10050627005	MW-2	SM 2320 B	WETC/3206		
H10050627006	MW-5	SM 2320 B	WETC/3206		
H10050627007	Dup #2	SM 2320 B	WETC/3206		
H10050627001	MW-18	EPA 310.1	WETC/3207		
H10050627002	MW-10	EPA 310.1	WETC/3207		
H10050627003	MW-12	EPA 310.1	WETC/3207		
H10050627004	MW-4	EPA 310.1	WETC/3207		
H10050627005	MW-2	EPA 310.1	WETC/3207		
H10050627006	MW-5	EPA 310.1	WETC/3207		
H10050627007	Dup #2	EPA 310.1	WETC/3207		
H10050627001	MW-18	EPA 310.1	WETC/3209		
H10050627002	MW-10	EPA 310.1	WETC/3209		
H10050627003	MW-12	EPA 310.1	WETC/3209		
H10050627004	MW-4	EPA 310.1	WETC/3209		
H10050627005	MW-2	EPA 310.1	WETC/3209		
H10050627006	MW-5	EPA 310.1	WETC/3209		
H10050627007	Dup #2	EPA 310.1	WETC/3209		
H10050627001	MW-18	SW-846 5030	MSV/2003	SW-846 8260B	MSV/2004
H10050627002	MW-10	SW-846 5030	MSV/2003	SW-846 8260B	MSV/2004
H10050627003	MW-12	SW-846 5030	MSV/2003	SW-846 8260B	MSV/2004

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: H10050627 : COP - Maljamar

Project Number: COP - Maljamar, 114-6400486

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
H10050627004	**MW-4**	SW-846 5030	MSV/2003	SW-846 8260B	MSV/2004
H10050627007	**Dup #2**	SW-846 5030	MSV/2003	SW-846 8260B	MSV/2004
H10050627008	**Trip Blank**	SW-846 5030	MSV/2003	SW-846 8260B	MSV/2004
H10050627001	**MW-18**	EPA 300.0	IC/1323		
H10050627002	**MW-10**	EPA 300.0	IC/1323		
H10050627003	**MW-12**	EPA 300.0	IC/1323		
H10050627004	**MW-4**	EPA 300.0	IC/1323		
H10050627005	**MW-2**	EPA 300.0	IC/1323		
H10050627006	**MW-5**	EPA 300.0	IC/1323		
H10050627007	**Dup #2**	EPA 300.0	IC/1323		
H10050627006	**MW-5**	SW-846 5030	MSV/2014	SW-846 8260B	MSV/2016
H10050627005	**MW-2**	SW-846 5030	MSV/2017	SW-846 8260B	MSV/2018
H10050627005	**MW-2**	SW-846 5030	MSV/2019	SW-846 8260B	MSV/2020

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Sample Receipt Checklist

WorkOrder:	H10050627	Received By	LOG
Date and Time	05/27/2010 10:00	Carrier Name:	FEDEXS
Temperature:	3.5/2.0/3.0°C	Chilled By:	Water Ice

1.	Shipping container/cooler in good condition? 871147024172-30LBS-3.5C 871147024161-25LBS-2.0C 871147024150-35LBS-3.0C	YES
2.	Custody seals intact on shipping container/cooler?	YES
3.	Custody seals intact on sample bottles?	Not Present
4.	Chain of custody present?	YES
5.	Chain of custody signed when relinquished and received?	YES
6.	Chain of custody agrees with sample labels?	YES
7.	Samples in proper container/bottle?	YES
8.	Samples containers intact?	YES
9.	Sufficient sample volume for indicated test?	YES
10.	All samples received within holding time?	YES
11.	Container/Temp Blank temperature in compliance?	YES
12.	Water - VOA vials have zero headspace?	YES
13.	Water - Preservation checked upon receipt(except VOA*)?	YES

*VOA Preservation Checked After Sample Analysis

SPL Representative: Contact Date & Time:

Client Name Contacted:

Client Instructions:

SPL Inc.
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Fax: (713) 660-8975

SPL, Inc.

Analysis Request & Chain of Custody Record

H10050627

330384

Page 1 of 3

Client Name: Tetra Tech
Address: 1910 N Big Spring
City: Midland State: TX Zip: 79705
Phone/Fax: (432) 682-4559
Client Contact: Greg Pope Email: gwpope57@aol.com
Project Name/No.: 114-6400181C
Site Name: LOP Maljamar
Site Location: Eddy Co. NM
Invoice To: Ph:

matrix: W=water S=soil O=oil A=air SL=sludge E=encore 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 L2	TDS 2540 C	IC - Br, Cl, NO3, SO4 - 300	Bicarb/Carb/Alk - 310	8260 - BTEX	8270 - PAH			
MW-18	5/26/10	0840		X	W	V	40	1	3					X				
↓	↓	↓		↓	↓	A	1	X	2						X			
						P	1	X	2		X	X	X					
						P	16	2	1	X								
MW-10	5/26/10	0915				V	40	1	3					X				
↓	↓	↓				A	1	X	2						X			
						P	1	X	2		X	X	X					
						P	16	2	1	X								
MW-12	5/26/10	0940				V	40	1	3					X				
↓	↓	↓		↓	↓	A	1	X	2						X			

Client/Consultant Remarks:

Laboratory remarks:

RUSH

Intact? ☑ Y ☐ N
Ice? ☑ Y ☐ N
Temp:

Requested TAT

☐ 1 Business Day ☐ Contract
☐ 2 Business Days ☒ Standard
☐ 3 Business Days
☐ Other
Rush TAT requires prior notice

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: [signature] Jimmy Triswell	5/26/10	1230	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	5/27/10	10:00	6. Received by Laboratory: [signature]

☐ 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

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SPL, Inc.
Analysis Request & Chain of Custody Record

SPL Workorder No. H10050627 — 331493 — page 2 of 3

Client Name: Tetra Tech / Conoco Phillips
Address: 1910 N. Big Spring
City: Midland State: TX Zip: 79705
Phone/Fax: (432) 682-5449
Client Contact: Greg Pope Email: gwpope570 aol.com
Project Name/No.: 114-6400486
Site Name: COP Maljamar
Site Location: Eddy Co. NM
Invoice To: Ph:

Matrix: W=water S=soil O=oil A=air SL=sludge E=encore 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

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	Metals - 6010 L2	TDS - 2540C	IC-Br, Cl, NO2, SO4 - 300	Bicarb/Carb/Alk - 310	8260 - BTEX	8270 - PAH			
MW-12	5/26/10	0940		X	W	P	1	X	2		X	X	X					
↓	↓	↓		↓	↓	P	16	2	1	X								
MW-4	5/26/10	1045		↓	↓	V	40	1	3					X				
↓	↓	↓		↓	↓	A	1	X	2						X			
↓	↓	↓		↓	↓	P	1	X	2		X	X	X					
↓	↓	↓		↓	↓	P	16	2	1	X								
MW-2	5/26/10	1115		↓	↓	V	40	1	3					X				
↓	↓	↓		↓	↓	A	1	X	2						X			
↓	↓	↓		↓	↓	P	1	X	2		X	X	X					
↓	↓	↓		↓	↓	P	16	2	1	X								

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☑ Y ☐ N
Ice? ☑ Y ☐ N
Temp:

Requested TAT
☐ 1 Business Day ☐ Contract
☐ 2 Business Days ☒ Standard
☐ 3 Business Days
☐ Other ____
Rush TAT requires prior notice

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: [signature] Johnny Titsworth	5/26/10	1230	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	5/27/10	10:00	6. Received by Laboratory: Amanda Vacknau

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☐ 500 Ambassador Caffery Parkway Scott, LA 70583 (337) 237-4775
☐ 459 Hughes Drive Traverse City, MI 49686 (231) 947-5777

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Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. H10050627 | 330385

page 3 of 3

Client Name: Tetra Tech / Conoco Phillips
Address: 1910 N Big Spring
City: Midland State: TX Zip: 79705
Phone/Fax: (432) 682-5449
Client Contact: Greg Pope Email: gaipope57@aol.com
Project Name/No.: 114-6400486
Site Name: COP Maljamar
Site Location: Eddy Co NM
Invoice To: Ph:

matrix: W=water S=soil O=oil A=air SL=sludge E=encore 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 L2	TDS - 2540C	Cl-Br, Cl, NO3, SO4 - 300	Bicarb/Carb/Alk - 310	8260 - BTEX	8270 - PAH			
MW-5	5/26/10	1200		X	W	V	40	1	3					X				
↓	↓	↓		↓	↓	A	1	X	2						X			
↓	↓	↓		↓	↓	P	1	X	2		X	X	X					
↓	↓	↓		↓	↓	P	16	2	1	X								
Trip Blank	5/26/10	1230	X		↓	V	40	1	2									
Dup #2	5/26/10	—		X	W	V	40	1	3					X				
↓	↓	—		↓	↓	A	1	X	2						X			
↓	↓	—		↓	↓	P	1	X	2		X	X	X					
↓	↓	—		↓	↓	P	1L	2	1	X								

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☑ Y ☐ N
Ice? ☑ Y ☐ N
Temp:

Requested TAT

☐ 1 Business Day ☐ Contract
☐ 2 Business Days ☒ Standard
☐ 3 Business Days
☐ Other ______
Rush TAT requires prior notice

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: [signature] Johnny Tilsworth	5/26/10	1230	2. Received by:
3. Relinquished by:			4. Received by:
5. Relinquished by:	5/27/10	10:00	6. Received by Laboratory: Amanda Vickery

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

SPL, Inc.

Analysis Request & Chain of Custody Record

H10050627

330384

page 1 of 3

Client Name: Tetra Tech
Address: 1910 N Big Spring
City Midland State TX Zip 79705 REQUIRED
Phone/Fax: (432) 682-5449
Client Contact: Greg Pope Email: gwpope57@aol.com
Project Name/No.: 114-6400486
Site Name: COP Maljamar
Site Location: Eddy Co. NM
Invoice To: Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil O=oil A=air SL=sludge E=encore 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 LL	TDS - 2540 C	IC - Br, Cl, NO2, SO4 - 300	Alk carb/carb/Alk - 310	8260 - BTEX	8270 - PAH			
MW-18	5/26/10	0840		X	W	V	40	1	3					X				
						A	1	X	2						X			
						P	1	X	2		X	X	X					
						P	16	2	1	X								
MW-10	5/26/10	0915				V	40	1	3					X				
						A	1	X	2						X			
						P	1	X	2		X	X	X					
						P	16	2	1	X								
MW-12	5/26/10	0940				V	40	1	3					X				
						A	1	X	2						X			

Client/Consultant Remarks:

Laboratory remarks:

RUSH

Intact? Y N
Ice? Y N
Temp:

Requested TAT

- ☐ 1 Business Day
- ☐ 2 Business Days
- ☐ 3 Business Days
- ☐ Other
- ☐ Contract
- ☒ Standard

Rush TAT requires prior notice

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 5/26/10	time 1230	2. Received by:	
3. Relinquished by:	date	time	4. Received by:	
5. Relinquished by:	date 5/27/10	time 10:00	6. Received by Laboratory: Amanda Vickrain	

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SPL, Inc.
Analysis Request & Chain of Custody Record

SPL Workorder No. H10050627 | 331493

page 2 of 3

Client Name: Tetra Tech / Conoco Phillips
Address: 1910 N. Big Spring
City Midland State TX Zip 79705 REQUIRED
Phone/Fax: (432) 682-5449
Client Contact: Greg Pope Email: swpope57@aol.com
Project Name/No.: 114-640486
Site Name: COP Maljamar
Site Location: Eddy Co. NM
Invoice To: Ph:

matrix: W=water S=soil O=oil A=air SL=sludge E=encore 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 LL	TDS - 2540C	IC-Br, Cl, NO2, SO4-300	BICarb/Carb/Alk-310	8260 - BTEX	8270 - PAH	Requested Analysis			
MW-12	5/24/10	0940		X	W	P	1	X	2		X	X	X						
						P	16	2	1	X									
MW-4	5/24/10	1045				V	40	1	3					X					
						A	1	X	2						X				
						P	1	X	2		X	X	X						
						P	16	2	1	X									
MW-2	5/24/10	1115				V	40	1	3					X					
						A	1	X	2						X				
						P	1	X	2		X	X	X						
						P	16	2	1	X									

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☑ Y ☐ N
Ice? ☑ Y ☐ N
Temp:

Requested TAT
☐ 1 Business Day ☐ Contract
☐ 2 Business Days ☒ Standard
☐ 3 Business Days
☐ Other _____
Rush TAT requires prior notice

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 Tittsworth	date 5/24/10	time 1230	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date 5/27/10	time 10:00	6. Received by Laboratory: Amanda Jackman

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

SPL, Inc.
Analysis Request & Chain of Custody Record

SPL Workorder No. H10050627 | 330385 | page 3 of 3

Client Name: Tetra Tech / Conoco Phillips
Address: 1910 N Big Spring
City Midland State TX Zip 79705 IRED
Phone/Fax: (432) 682-5449
Client Contact: Greg Pope Email: gwpope57@aol.com
Project Name/No.: 114-6400486
Site Name: COP Maljamar
Site Location: Eddy Co NM
Invoice To: Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil O=oil A=air SL=sludge E=encore 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	IC - Br, Cl, NO2, SO4 - 300	Alk - 310 / Carb	8260 - BTEX	8270 - PAH			
MW-5	5/26/10	1200		X	W	V	40	1	3					X				
						A	1	X	2						X			
						P	1	X	2		X	X	X					
						P	16	2	1	X								
Trip Blank	5/26/10	1230	X		W	V	40	1	3									
Dup #2	5/26/10	—		X	W	V	40	1	3					X				
		—				A	1	X	2						X			
		—				P	1	X	2		X	X	X					
		—				P	1	2	1	X								

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☑ Y ☐ N
Ice? ☑ Y ☐ N
Temp:

Requested TAT
☐ 1 Business Day ☐ Contract
☐ 2 Business Days ☒ Standard
☐ 3 Business Days
☐ Other _____
Rush TAT requires prior notice

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 Titsworth	date 5/26/10	time 1230	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date 5/27/10	time 10:00	6. Received by Laboratory: Amanda Dickman

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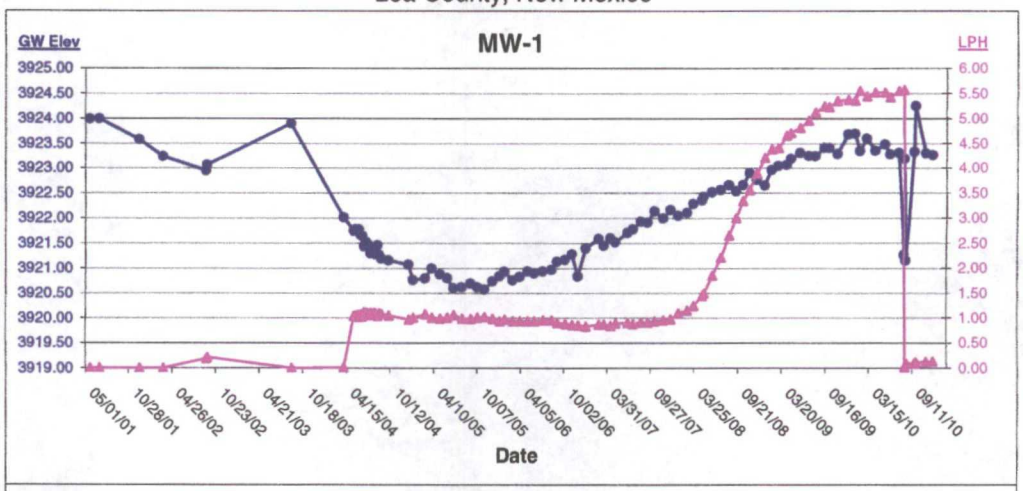
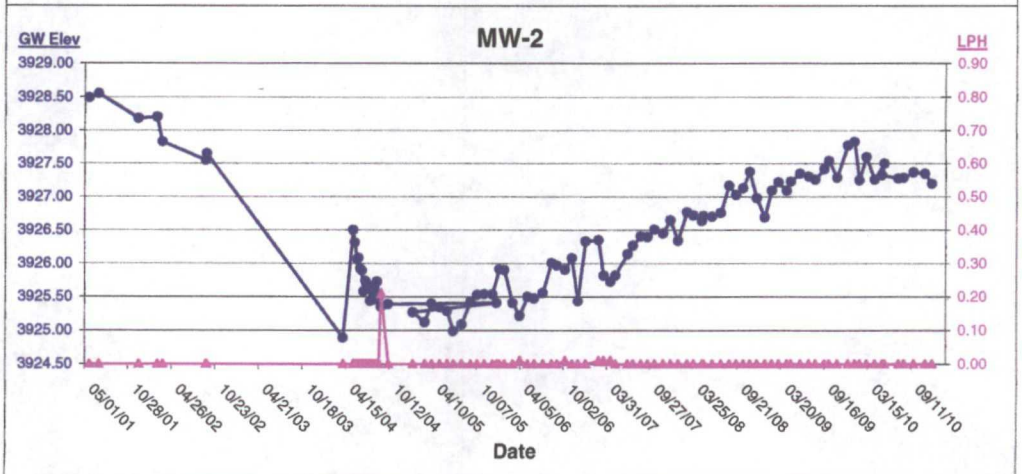
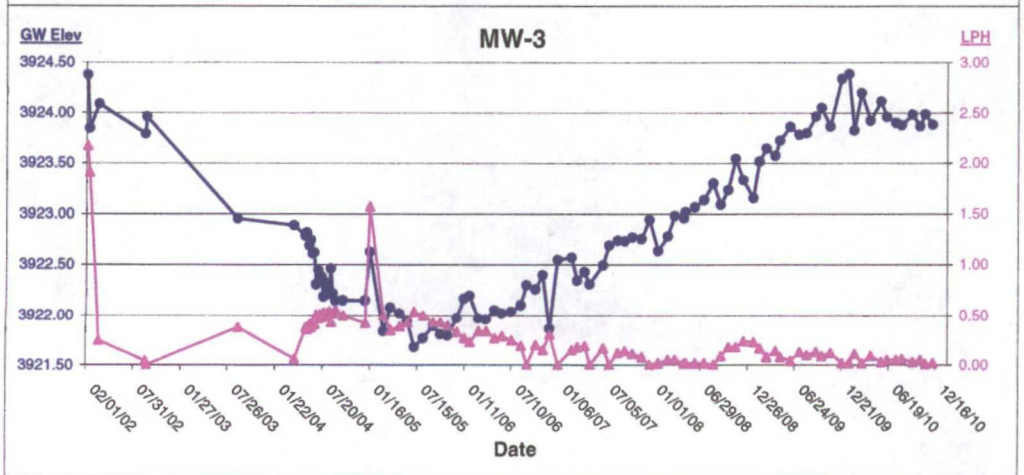
APPENDIX B

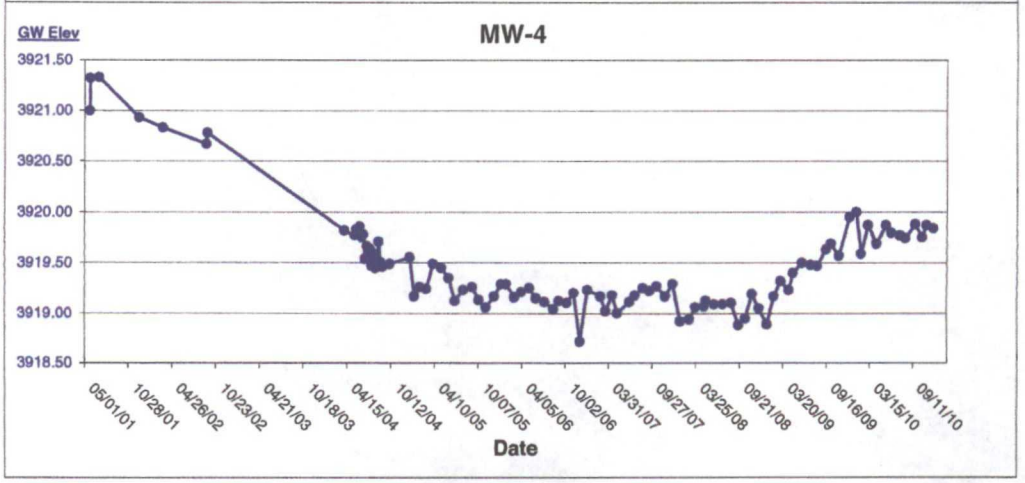
Hydrographs
and
Concentration vs Extracted Volume Graphs

Hydrographs
ConocoPhillips - Maljamar Gas Plant
Lea County, New Mexico

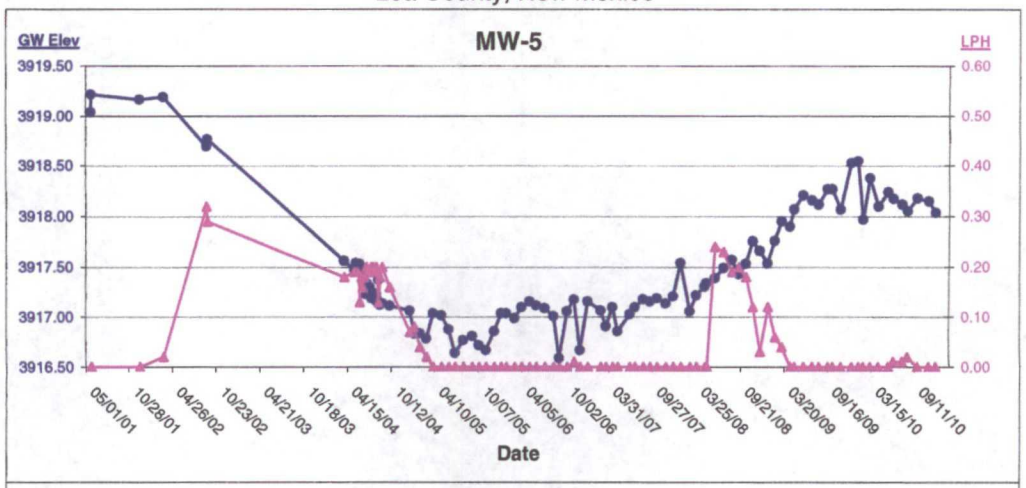


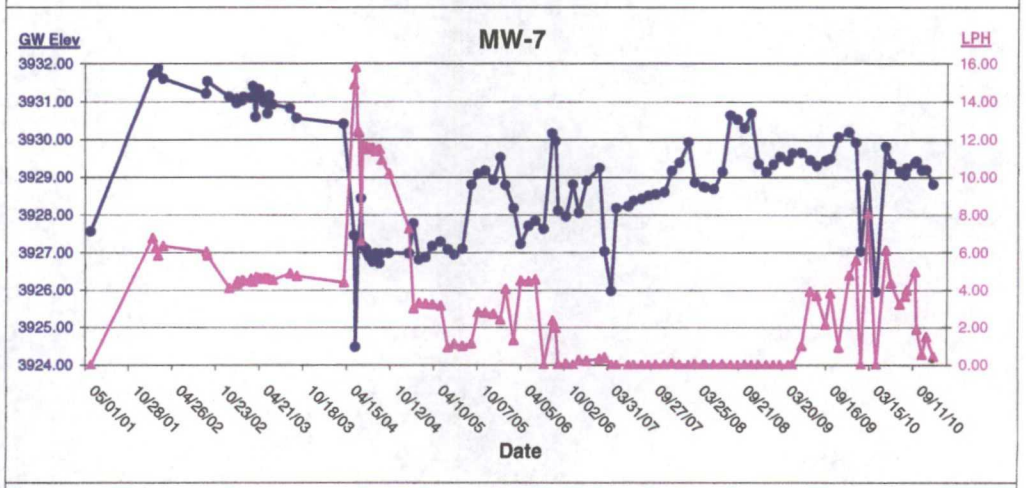


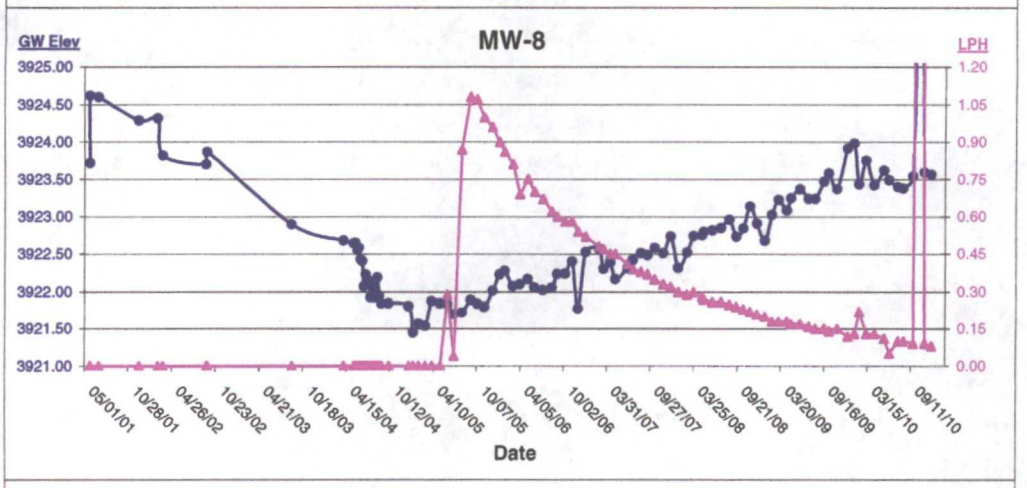


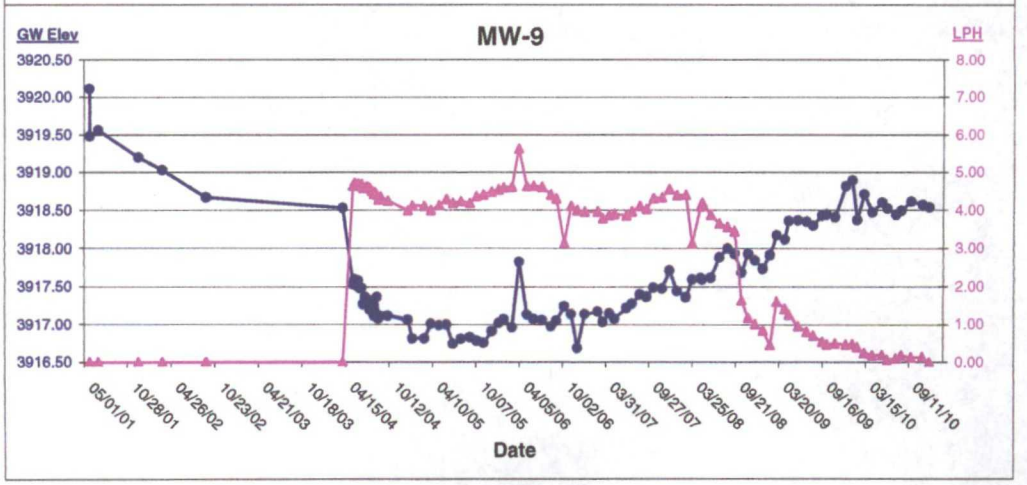


Hydrographs
ConocoPhillips - Maljamar Gas Plant
Lea County, New Mexico

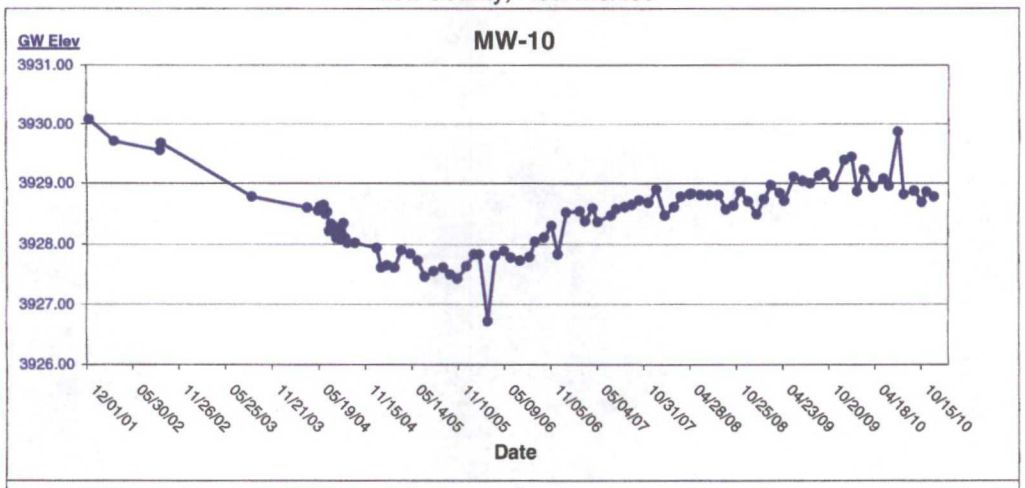


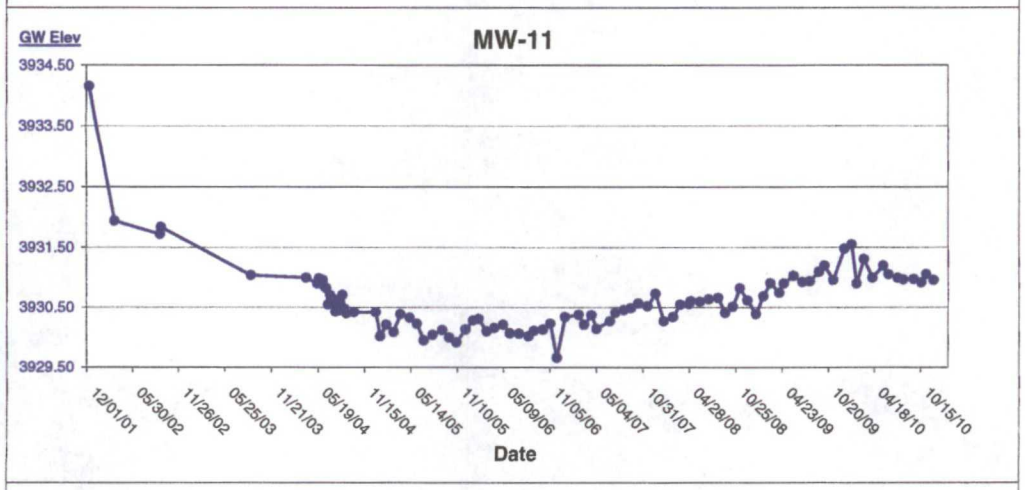


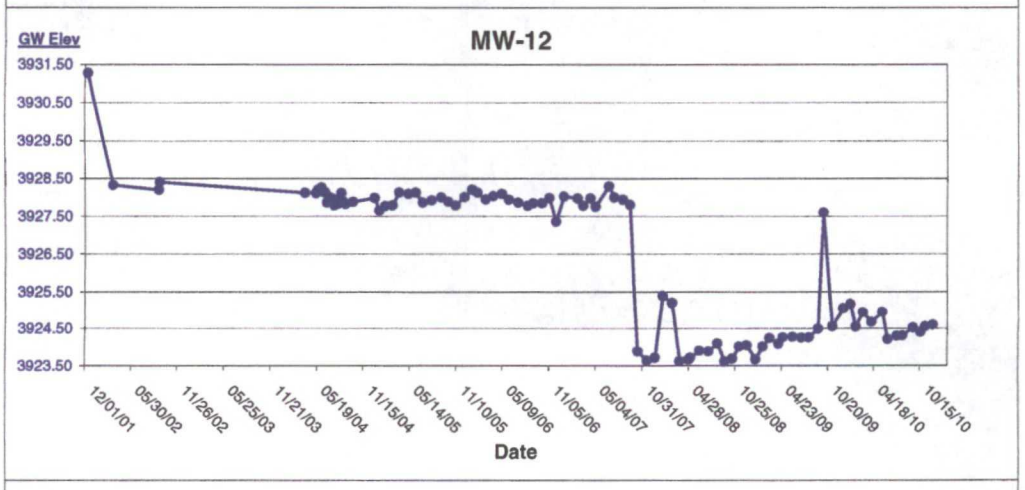


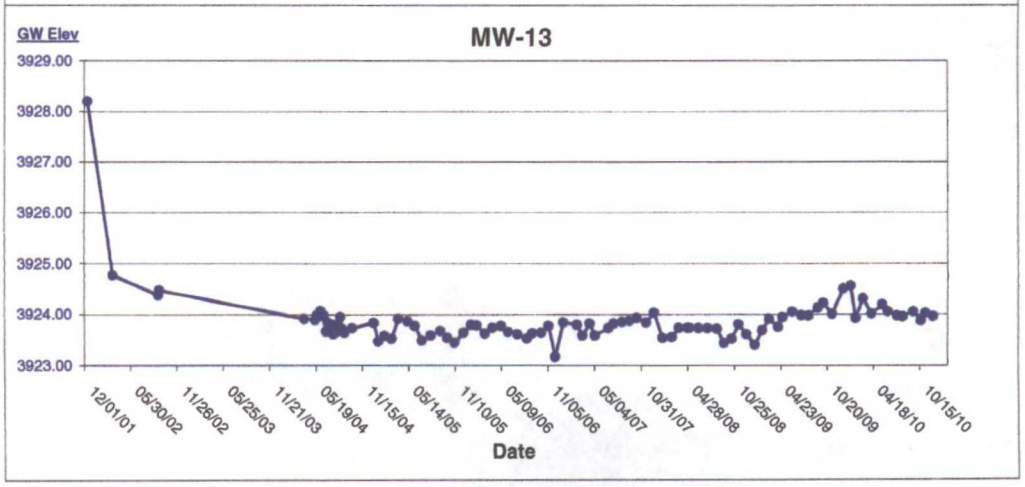


Hydrographs
ConocoPhillips - Maljamar Gas Plant
Lea County, New Mexico

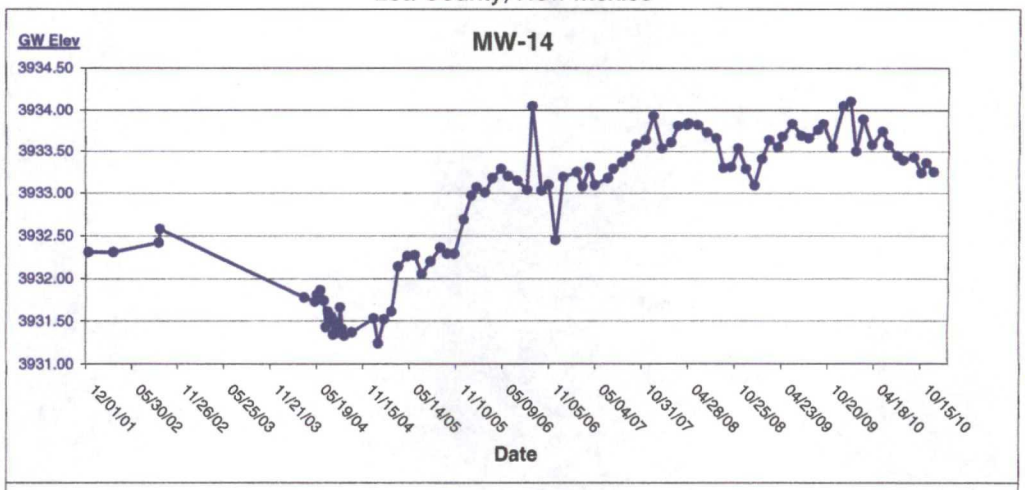


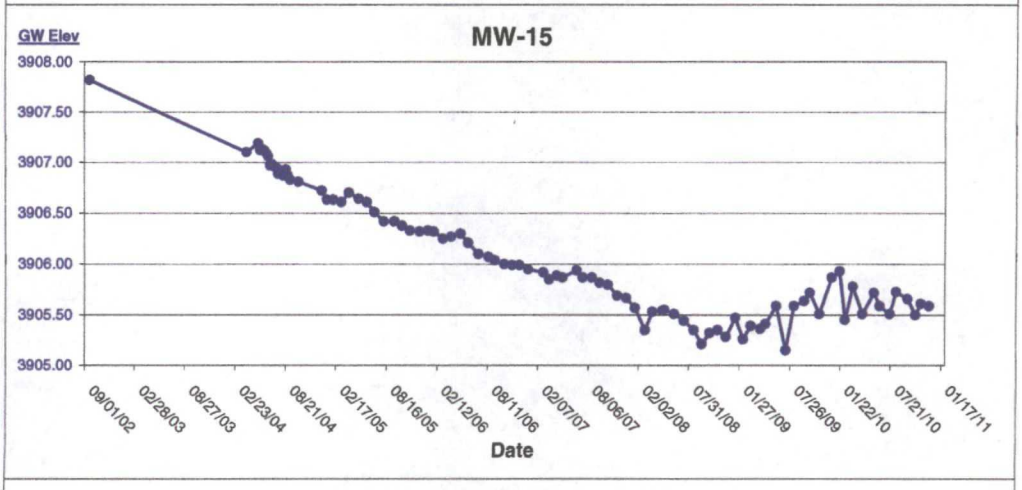


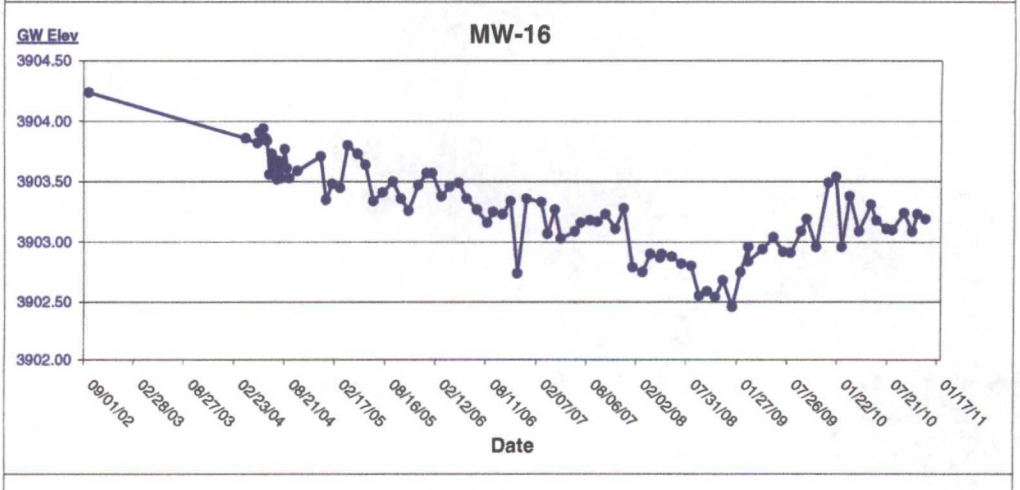


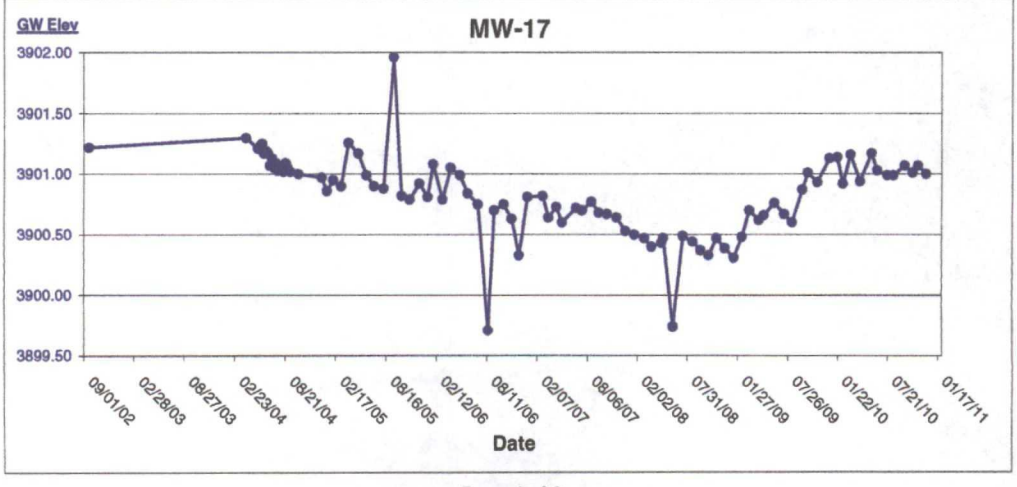


Hydrographs
ConocoPhillips - Maljamar Gas Plant
Lea County, New Mexico

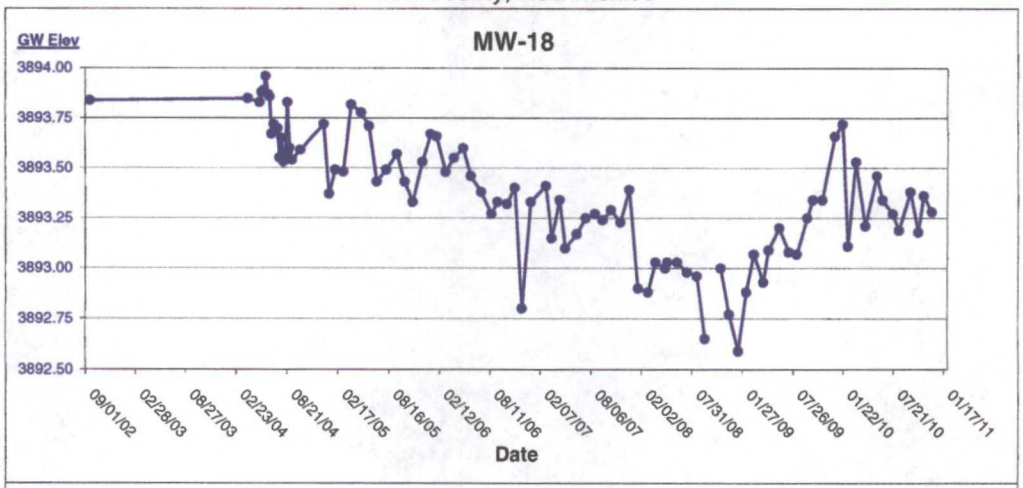


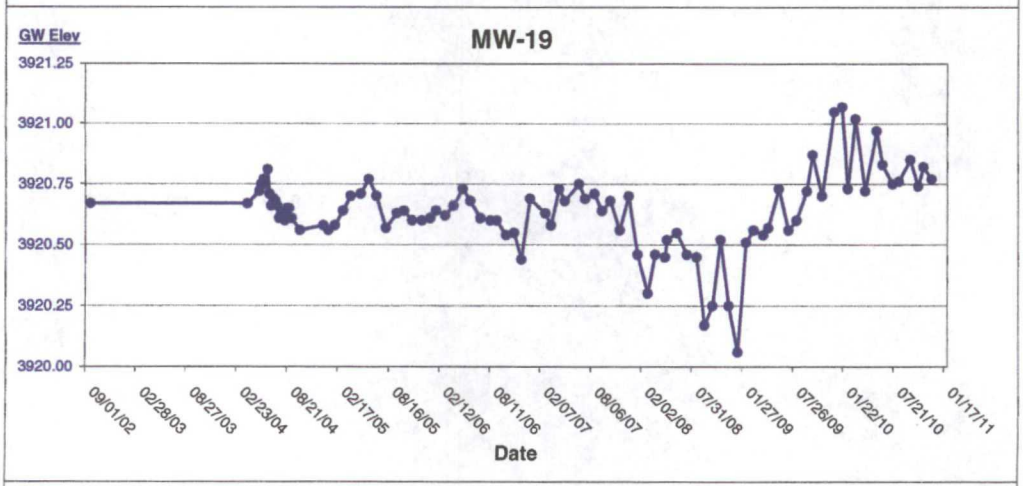


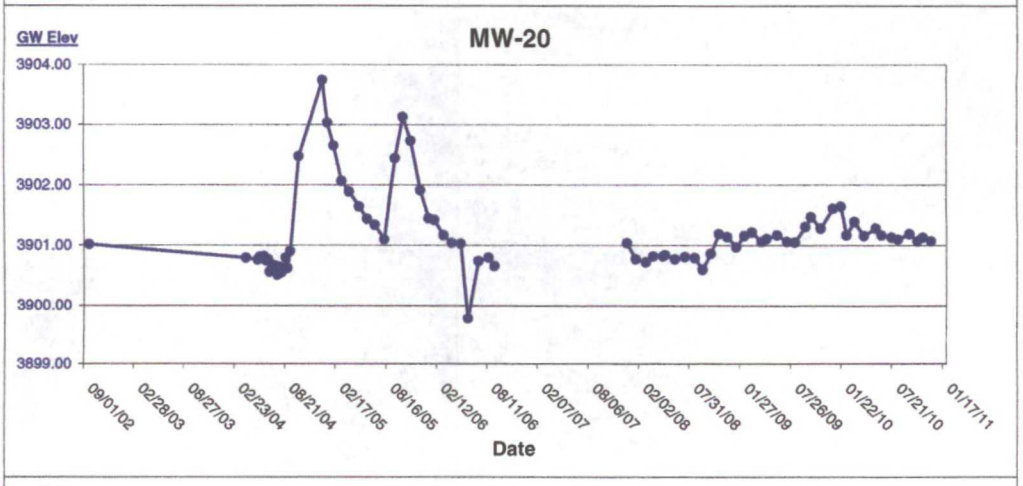


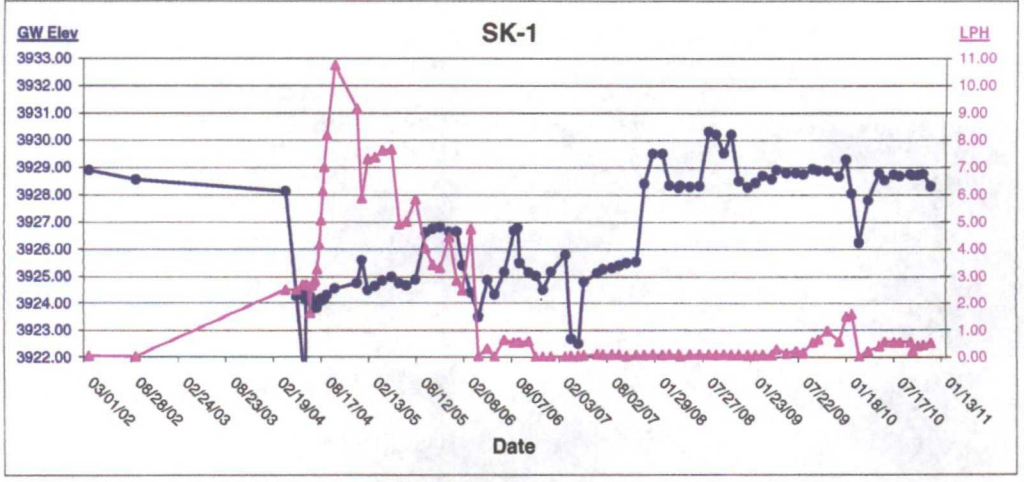


Hydrographs
ConocoPhillips - Maljamar Gas Plant
Lea County, New Mexico

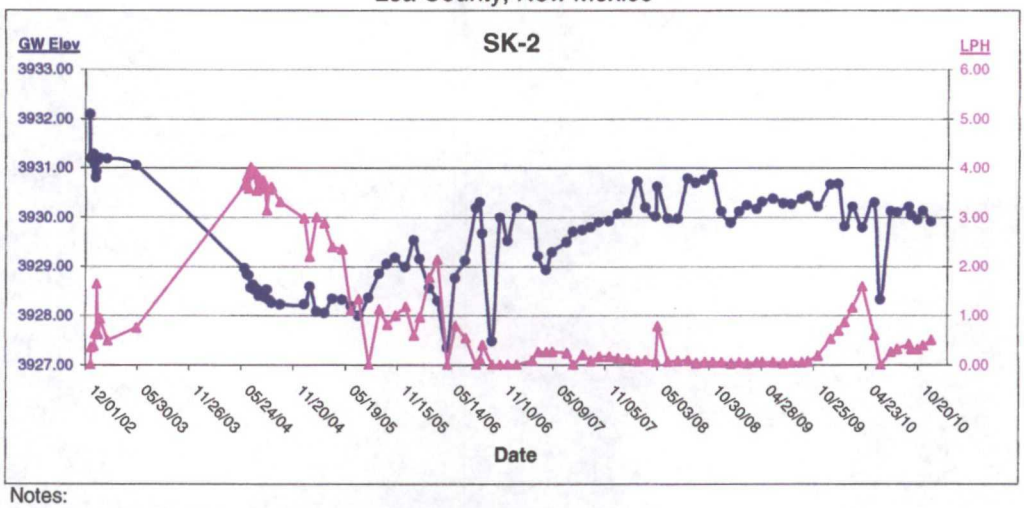








Hydrographs
ConocoPhillips - Maljamar Gas Plant
Lea County, New Mexico

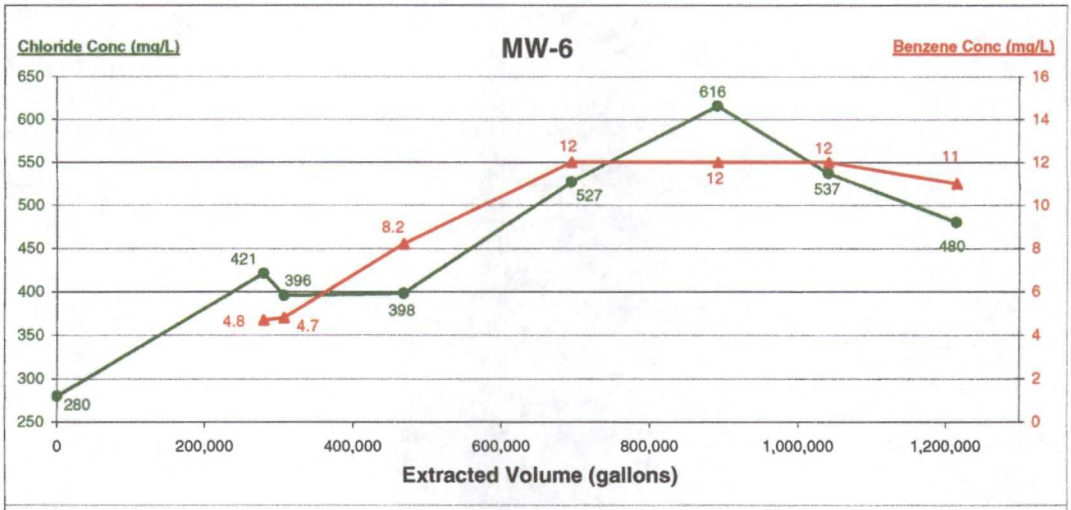


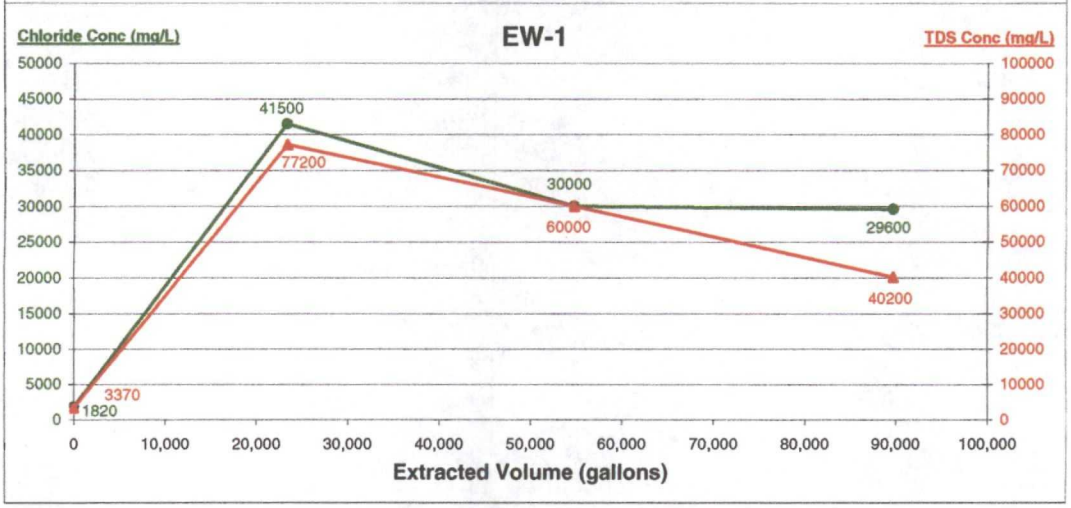
Notes:
GW Elev = Groundwater Elevation in Feet Above Mean Sea Level
LPH = Liquid Phase Hydrocarbon Thickness in Feet

Concentration vs Extracted Volume Graphs

ConocoPhillips - Maljamar Gas Plant

Lea County, New Mexico





Notes:

TDS = Total Dissolved Solids

mg/L = Milligrams per liter