GW - 003

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1 of 2

2012 ANNUAL GROUNDWATER MONITORING REPORT

FORMER EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO
OGRID NO. 4323

DISCHARGE PERMIT GW-003

Prepared For:
Chevron Environmental Management Company

Prepared by:
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JANUARY 2013
REF. NO. 055271 (6)

Chevron

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January 21, 2013

Mr. Glenn von Gonten
Senior Hydrologist
New Mexico Oil Conservation Division
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

Dear Mr. Von Gonten,

In accordance with the requirements of New Mexico Oil Conservation Division's Discharge Permit GW-003 for the Eunice South Gas Plant, please find enclosed a copy of the following report:

. *2012 Annual Groundwater Monitoring Report, Former Eunice South Gas Plant, Lea County, New Mexico, OGRID No. 4323.*

This report was prepared by Conestoga-Rovers & Associates (CRA) on behalf of Chevron Environmental Management Company (CEMC) to document groundwater monitoring activities performed for CEMC during calendar year 2012. Historical groundwater monitoring data are also included in the report.

Should you have any questions regarding the content of the report, please do not hesitate to contact me by phone at 713-372-7705 or via e-mail at kegan.boyer@chevron.com.

Sincerely,

Kegan W. Boyer, P.G.
Environmental Project Manager

2012 ANNUAL GROUNDWATER MONITORING REPORT

FORMER EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO
OGRID NO. 4323

DISCHARGE PERMIT GW-003

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1.0 INTRODUCTION

1.1 OVERVIEW

This Annual Groundwater Monitoring Report presents groundwater data collected and remedial activities performed during the 2012 calendar year by environmental consultant Conestoga-Rovers and Associates (CRA) on behalf of Chevron Environmental Management Company (CEMC) at the former Eunice South Gas Plant (OGRID No. 4323) hereafter referred to as the "Site." CRA conducted semi-annual monitoring events at the Site in February and August of the 2012 calendar year.

1.2 FACILITY LOCATION AND HISTORY

The Site is located approximately 4.5 miles south of the town of Eunice in the northwest quarter (NW/4) of the southwest quarter (SW/4) of Section 27, Township 22 South (T-22-S), Range 37 East (R-37-E). The approximate latitude/longitude coordinates for the Site are 32°21'44.75"N and 103°09'26.87"W. For the purpose of this report, the Site is comprised of the original gas plant property and surrounding areas included in the groundwater monitoring program. The Site is bordered by State Highway 207 along the western boundary and State Highway 18 along the eastern boundary.

The Site was originally constructed by Skelly Oil Company during the 1940s, and subsequently acquired and modified by Texaco Exploration and Production, Inc. (Texaco) to operate as a turbo expander-type natural gas processing plant for extraction of natural gas liquids (NGLC). The Site was owned and operated by Texaco until operations were transferred to Versado Gas Processors, LLC (Versado) on July 1, 1998. Dynegy Midstream Services, L.P. (Dynegy) operated two compressors in the northwest portion of the Site. Dynegy was later sold to Targa Midstream Services, L.P. (Targa) who currently operates the compressor stations. Site Location and Site Details maps are illustrated as Figures 1 and 2.

On April 29, 1980, the State of New Mexico Energy and Minerals Department, Oil Conservation Division (NMOCD) requested that a discharge plan be filed as per Section 3-106A of the Water Quality Control Commission regulations to cover all discharges of effluent at the Site. On March 16, 1981, the discharge plan (GW-003) was approved by the NMOCD for a five year period pursuant of the discharge plan requirements. Subsequent discharge plans have been approved on a five year basis. An application was submitted to the NMOCD in June 2008, during the most recent renewal cycle. A Site inspection by NMOCD personnel was performed in April 2009 and approval of the

application was given on January 11, 2012. A copy of the current discharge permit GW-003 is provided in Appendix A.

In correspondence during the 1996 permit renewal cycle dated April 15, 1996, the NMOCD requested that Texaco submit a work plan to address specific areas of concern. In response, a work plan was developed and subsurface and groundwater assessment activities were initiated at the Site. Additional correspondence from the NMOCD dated November 6, 1996, requested that Texaco modify the existing Site's discharge plan and submit a comprehensive site investigation work plan pursuant New Mexico Administrative Code (NMAC) 20.6.2.3109.E to determine the extent of soil and groundwater impacts within the Site. The comprehensive Site investigation activities were completed in 1996-1997 and several areas of concern were identified. Additional investigation and remedial activities were performed in 2000, 2005 and 2007 to further evaluate and remediate those areas of concern. Activities included pit closures, pond closures, sump removals, multiple monitor well installations, the installation and operation of a soil vapor extraction unit and installation and operation of chloride-impacted groundwater and Light Non-Aqueous Phase Liquids (LNAPL) recovery systems. The notes section of Figure 2 summarizes the assessment and remedial activities conducted in the specified areas of concern.

1.3 HISTORICAL HYDROCARBON REMEDIATION

Historical project information indicates that four remediation systems have operated at the Site since December 2000 including:

- Soil Vapor Extraction (SVE) system - West Side (April 2004-October 2006).
- LNAPL recovery - West Side (2004-October 2006, 2011 interim, August 2012 to date).
- LNAPL recovery - East Side (May 2003-January 2011).
- Chloride and total dissolved solids (TDS) groundwater recovery system – East Side (2004-2010, September and December 2012).

The following sections below summarize the installations, operations and recovery of each of the four remediation systems.

1.3.1 SOIL VAPOR EXTRACTION SYSTEM (WEST SIDE)

A soil vapor extraction system (SVE) was installed on the west side of the Site in April 2004. The SVE consisted of a trailer-mounted thermal oxidizer which extracted hydrocarbon vapors from recovery wells RW-2, RW-3, MW-4, RW-5 and monitor well

MW-28. In September 2005, seven additional wells (MW-1, MW-2, MW-10, MW-24, MW-25, MW-26 and MW-27) were connected to the SVE system. The operation of the SVE was suspended in mid-October 2006 due to Site demolition activities. Records indicate a total of 300,560 pounds of hydrocarbons were recovered and treated by the SVE system while in operation. A summary of the soil vapor extraction data is presented in Table 1.

1.3.2 LNAPL RECOVERY (WEST SIDE)

LNAPL Recovery System 2004-2006

An LNAPL recovery system was installed in 2004 on the west side of the Site. This LNAPL system consisted of five Xitech skimmer product recovery pumps installed in wells RW-2, RW-3, RW-4, RW-5 and MW-28, solar panels, a nitrogen activation system, and storage tanks. The operation of the Xitech skimmer pumps was suspended in mid-October 2006 due to Site demolition activities. Records indicate a total of 5,327 gallons of hydrocarbons were recovered while the system was in operation. A summary of LNAPL recovery for the west side is presented in Table 2.

Manual Recovery 2011, 2012

In April 2011, CRA initiated manual recovery efforts near the former jet skid area as an interim measure. Weekly LNAPL abatement activities were performed in five accessible wells (MW-1, MW-2, MW-10, RW-1 and RW-2) from April 13th through September 27th, 2011. Manual recovery remediation efforts ceased temporarily in September 2011 due to installation on Site of Targa's new gas injection well. A total of 324 gallons of LNAPL and 23 gallons of water were recovered during the six month period in 2011.

Biweekly LNAPL abatement activities were resumed in the same five accessible wells on August 28, 2012 through December 31, 2012. A total of 91 gallons of LNAPL and 3 gallons of water were recovered during the four month period in 2012. Records indicate a total of 5,742 gallons of hydrocarbons have been recovered from the west side LNAPL wells since 2004.

A summary of LNAPL recovery totals per well is presented in Table 2.

1.3.3 LNAPL RECOVERY (EAST SIDE)

An LNAPL recovery system was installed in May 2003 on the east side of the Site. This LNAPL system consisted of Ferret Separation Pumps in monitor wells MW-5 and MW-

20. The operation of the Ferret pumps was suspended after December 2008. Records indicate a total of 3,707 gallons of LNAPL and 56,734 gallons of water were recovered while the Ferret pumps were operating.

In April 2009, LNAPL recovery efforts on the east side of the Site were re-evaluated and product recovery continued using a Xitech product recovery pump in MW-20 and hand-bailing LNAPL from MW-5 in an effort to increase LNAPL recovery and decrease water production. These LNAPL recovery methods were continued through January 2011 when efforts were suspended due to onsite construction. A total of 79 gallons of LNAPL and 2 gallons of water were recovered in January 2011. Suspension continued through 2011 into 2012 due to Targa's installation of an acid gas injection well. The remainder of 2012 was utilized to evaluate remediation efforts on Site. Recovery of LNAPL from the east side wells will resume in 2013. A summary of LNAPL recovery for the east side is presented in Table 3.

1.3.4 CHLORIDE AND TDS RECOVERY SYSTEM (EAST SIDE)

A chloride and TDS groundwater recovery system was installed in 2004 on the east side of the Site. This recovery system originally consisted of two recovery wells (MWD-3 and MWD-9). In 2006, the network of recovery wells was expanded to include wells RW-6, RW-7 and RW-8. A total of 1,044,619 barrels of groundwater have been recovered from 2004 through 2010. The extracted groundwater was disposed of at an onsite deep injection well (injection well #5) operated by Targa. In February 2011, Chevron notified the NMOCD that they no longer had permission from Targa to use the injection well and the recovery system operations were temporarily suspended. The system was not in operation prior to the February 2011 correspondence. The groundwater recovery system is currently being redesigned for recovery operations to resume in 2013. As part of the reevaluation of the current system and well components, one barrel (approximately 55 gallons) of groundwater were recovered from each of the 5 wells during both the third and fourth quarters of 2012 (5 barrels or approximately 275 gallons total per event), or a total of 10 barrels during 2012. A summary of chloride recovery amounts is presented in Table 4.

Groundwater pumping record reports for the five recovery wells (MWD-3, MWD-9, RW-6, RW-7 and RW-8) are submitted quarterly to the NMOSE in accordance to permit requirements. These reports will continue to be submitted during the temporary suspension of daily groundwater recovery from the system and interim quarterly recovery events.

2.0 REGULATORY BACKGROUND

The NMOCD guidelines require groundwater to be analyzed for potential contaminants as defined by the New Mexico Water Quality Control Commission (NMWQCC) Standards 20.6.2.3103 Sections A & B. NMQCC 20.6.2.3103 Section A provides the Human Health Standards for Groundwater; Section B provides Other Standards for Domestic Water Supply. The constituents of concern (COCs) designated for affected groundwater at the Site are LNAPL, benzene, toluene, ethylbenzene, and xylenes (BTEX), dissolved arsenic, dissolved barium, dissolved chromium, TDS and chlorides. In this report, groundwater analytical results for the COCs are compared to the NMWQCC standards as show in the following table:

Analyte	NMWQCC Standard for Groundwater (mg/L)
20.6.2.3103 Section A – Human Health Standard	
Arsenic	0.100
Barium	1.00
Chromium	0.050
Benzene	0.01
Toluene	0.75
Ethylbenzene	0.75
Total Xylenes	0.62
20.6.2.3103 Section B – Other Standards for Domestic Water Supply	
Chloride	250
Total Dissolved Solids	1,000

Groundwater Appropriation

New Mexico Office of the State Engineer (NMOSE) governs water usage in the State of the New Mexico. Applications for permission to appropriate groundwater were submitted to the NMOSE in October 2003 and were approved with specific conditions of approval in February and March 2004. A total of 208 acre/feet (ac/ft) per annum from the five onsite recovery wells were granted by the NMOSE for industrial/remediation purposes. Usage of groundwater at the Site has been granted by the NMOSE under NMOSE well permits CP-009-S (MWD-9– 32 ac/ft), CP-231-S (RW-7-48 ac/ft), CP-233-S (RW-6-48 ac/ft), CP-243-S (MWD-3-32 ac/ft) and CP-244-S (RW-8-48 ac/ft). Chevron EMC provides monthly volume totals to the current operator (Targa) of the Site on behalf of Versado Gas Processors, LLC and quarterly volume totals to the NMOSE as was described in the conditions of approval.

3.0 GROUNDWATER MONITORING ACTIVITIES

Groundwater at the Site was monitored in 2012 on a semi-annual basis (February and August) with a network of 70 wells including:

- Thirty shallow monitor wells (MW-1 through MW-4, MW-6 through MW-19, MW-21 through MW-27, and MW-29 through MW-32, MW-34).
- Eight shallow LNAPL recovery wells (RW-1 through RW-5, MW-5, MW-20 & MW-28).
- Five shallow temporary wells (TMW-1, TMW-2, TMW-3, TMW-5 & TMW-6).
- Fifteen deep monitor wells (MWD-1, MWD-2, MWD-4 through MWD-8, MWD-10 through MWD-17).
- Five deep recovery wells (MWD-3, MWD-9, RW-6, RW-7, RW-8).
- Seven deep water wells (WW-1 through WW-7).

3.1 GROUNDWATER GAUGING

Prior to purging wells, depth to groundwater and LNAPL were gauged and recorded from the top of casing (TOC) to the nearest hundredth of a foot in all accessible wells utilizing an oil-water interface probe. A specific gravity sample was collected from wells with LNAPL present (>0.01') in August 2006 and August and September 2009. Groundwater elevations reported are adjusted accordingly. A summary of groundwater elevation data from 2009 through 2012 is presented in Table 5.

Groundwater elevations at the Site appear to be consistent with historical levels and the groundwater gradient continues to be to the south-southeast. February and August 2012 groundwater gradient maps are presented as Figures 3, 4, 5 and 6. LNAPL thickness maps for February and August 2012 are presented in Figures 7 and 8. Historical groundwater elevation data (1996-2008) for shallow and deep wells are presented in Appendix B.

Shallow Zone

Depth to groundwater measurements were collected from 42 shallow zone wells during the February 2012 gauging event, with depths ranging from 46.45 feet to 58.53 feet below TOC. Depth to groundwater measurements were collected from 43 shallow zone wells during the August 2012 gauging event, with depths ranging from 48.29 feet to 58.31 feet below TOC. Due to an onsite "Do Not Enter" zone due to the acid gas injection well, one shallow zone well (TMW-5) was not accessible and subsequently was

not gauged during both the February and August 2012 events. LNAPL was detected in 16 shallow zone wells in February 2012 and in 14 wells in August 2012. The average gradient observed in the shallow zone in 2012 was 0.0046 feet/foot to the south southeast.

Deep Zone

Depth to groundwater measurements were collected from deep zone wells during the February and August 2012 events. The depth to water ranged from 49.67 feet to 55.15 feet below TOC in the 13 wells gauged in February 2012 and ranged from 49.58 feet to 55.17 feet below TOC in the 13 wells gauged in August 2012. Water wells WW-1 through WW-7 were not gauged during either event due to inaccessibility. Deep chloride recovery wells MWD-3, MWD-9, RW-6, RW-7, and RW-8 were not gauged in either event due to presence of down-hole pumps in the wells. Due to an onsite "Do Not Enter" zone, two deep zone wells were not accessible and subsequently were not gauged during both the February and August 2012 events (MWD-10, MWD-16). LNAPL was not detected in any of the deep zone wells during both 2012 gauging events. The average gradient observed in the deep zone in 2012 was 0.0050 feet/foot to the southeast.

3.2 WELL PURGING AND SAMPLING

Shallow Zone

Subsequent to gauging, shallow zone wells were purged using an EPA approved low-flow sampling methodology. Geochemical water quality parameters including temperature, pH, dissolved-oxygen, oxidation-reduction potential, and conductivity were recorded at approximately five minute intervals during purging activities. When three consecutive readings indicated stabilization of parameters (variation <10%), the groundwater was considered representative of formation water and groundwater samples were collected. Groundwater samples were collected from 26 wells in February 2012 and 28 wells in August 2012. A summary of the shallow wells final geochemical parameters for the 2012 semi-annual monitoring events is presented in Table 6.

Deep Zone

Subsequent to gauging, deep zone wells were purged using a submersible pump set near the bottom of the wells, within the screened interval pursuant to low-flow guidelines. Geochemical water quality parameters including temperature, pH, and conductivity were recorded at approximately five minute intervals during purging activities. When three consecutive readings indicated stabilization of parameters (variation <10%), the groundwater was considered representative of formation water

and groundwater samples were collected via the discharge hose. Groundwater samples were collected from 12 wells in February 2012 and 13 well in August 2012. A summary of the deep well final geochemical parameters for the 2012 semi-annual monitoring events is presented in Table 7.

All groundwater samples were labeled, placed on ice in an insulated cooler, and shipped to Lancaster Laboratories (Lancaster) located in Lancaster, Pennsylvania, for analysis of BTEX by EPA Method 8021B, chloride by EPA Method 300, TDS by EPA Method 2540C, and dissolved metals by EPA Methods 6010B & 7470A. The samples submitted for dissolved metals analysis were field filtered prior to placing the sample bottles. Purge water generated during the sampling events was containerized onsite in a labeled polyethylene tank and subsequently managed by a third-party subcontractor at an NMOCD-permitted disposal facility.

3.3 GROUNDWATER ANALYTICAL RESULTS

Analytical results for both the shallow and deep wells are summarized in Tables 8 through 13. Constituent concentration data shown in bold print indicate concentrations detected above analytical quantification limits and shaded/highlighted detections represent concentrations exceeding the regulatory standards. BTEX concentration and benzene isoconcentration maps for February and August 2012 are presented as Figures 9, 10, 11 and 12. Chloride isoconcentration maps for February and August 2012 are presented as Figures 13, 14, 15 and 16. In addition, semi-annual geological cross-section (both dip and strike) depicting LNAPL thickness, chloride and BTEX concentrations for February and August are presented as Figures 17, 18, 19 and 20. Certified copies of all 2012 laboratory analytical results are presented in Appendix C.

3.3.1 FIRST 2012 SEMI-ANNUAL EVENT (FEBRUARY)

The following tables present the number of wells with: 1) detections of the analytes, and 2) detections of analytes which exceeded the NMWQCC Standard. In addition, the minimum and maximum detected concentration for each COC during the during the February 2012 monitoring event are also provided.

Shallow Wells – February 2012	Benzene	Toluene	Ethylbenzene	Total Xylenes
Number of Detections	12	5	11	9
Exceedances Above Regulatory Limit	11	0	2	0
Minimum Concentration (µg/L)/ Well ID	3.2 MW-15	1.4 MW-32	6.9 MW-22	4.5 MW-9 and -31
Maximum Concentration (µg/L)/ Well ID	27,000 MW-24	110 MW-24	1,400 MW-24	440 MW-24

Deep Wells – February 2012	Benzene	Toluene	Ethylbenzene	Total Xylenes
Number of Detections	5	1	4	2
Exceedances Above Regulatory Limit	3	0	0	0
Minimum Concentration (µg/L)/ Well ID	1.7 MWD-12	1.0 MWD-15	7.6 MWD-15	66 MWD-14(Dup)
Maximum Concentration (µg/L)/ Well ID	1,500 MWD-17	1.0 MWD-15	220 MWD-17	74 MWD-14

Shallow Wells – February 2012	Chloride	
Number of Detections	27	
Exceedances Above Regulatory Limit	23	
Minimum Concentration (µg/L)/ Well ID	40.9	MW-7
Maximum Concentration (µg/L)/ Well ID	10,100	MW-22

Deep Wells – February 2012	Chloride	
Number of Detections	12	
Exceedances Above Regulatory Limit	10	
Minimum Concentration (µg/L)/ Well ID	73.4	MWD-4
Maximum Concentration (µg/L)/ Well ID	33,100	MWD-15

Also, groundwater samples collected from 12 shallow wells (MW-9, MW-11, MW-22, MW-24, MW-25, MW-26, MW-29, MW-31, MW-32, MW-34) and one deep well (MWD-6) in February 2012 were above the NMWQCC Standard for barium of 1 mg/L; one shallow well (MW-16) exceeded the NMWQCC Standard for chromium of 0.05 mg/L.

3.3.2 SECOND 2012 SEMI-ANNUAL EVENT (AUGUST)

The following tables present the number of wells with: 1) detections of the analytes, and 2) detections of analytes which exceeded the NMWQCC Standard. In addition, the minimum and maximum detected concentration for each COC during the during the August 2012 monitoring event are also provided.

Shallow Wells – August 2012	Benzene	Toluene	Ethylbenzene	Total Xylenes
Number of Detections	16	6	15	12
Exceedances Above Regulatory Limit	13	0	3	0
Minimum Concentration (µg/L)/ Well ID	1.5 MW-30	1.2 MW-34	2.0 MW-23	9.2 TMW-3
Maximum Concentration (µg/L)/ Well ID	28,000 MW-24	85 MW-24	1,500 MW-24	500 MW-24

Deep Wells – August 2012	Benzene	Toluene	Ethylbenzene	Total Xylenes
Number of Detections	5	3	5	5
Exceedances Above Regulatory Limit	5	0	0	0
Minimum Concentration (µg/L)/ Well ID	284 MWD-6	1.0 MWD-12	2.3 MWD-15	3.7 MWD-6
Maximum Concentration (µg/L)/ Well ID	5,000 MWD-5	1.2 MWD-17	200 MWD-5	150 MWD-5

Shallow Wells – August 2012	Chloride	
Number of Detections	28	
Exceedances Above Regulatory Limit	24	
Minimum Concentration (µg/L)/ Well ID	66.0	MW-24
Maximum Concentration (µg/L)/ Well ID	8,360	MW-23

Deep Wells – August 2012	Chloride	
Number of Detections	13	
Exceedances Above Regulatory Limit	12	
Minimum Concentration (µg/L)/ Well ID	50.4	MWD-4
Maximum Concentration (µg/L)/ Well ID	7,220	MWD-7

Also, groundwater samples collected from 12 shallow wells (MW-9, MW-11, MW-24, MW-25, MW-26, MW-29, MW-31, MW-32, MW-34, TMW-3, TMW-5) and three deep wells (MWD-5, MWD-6, MWD-14) in August 2012 were above the NMWQCC Standard for barium of 1 mg/L; one shallow well (MW-16) exceeded the NMWQCC Standard for chromium of 0.05 mg/L.

4.0 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) EVALUATION

To confirm sample quality and reproducibility, four field duplicate (DUP-1, DUP-2, DUP-3 and DUP-4) samples were collected during the February 2012 semi-annual monitoring event from wells MW-15, MW-25, MWD-1 and MWD-14. During the August 2012 semi-annual monitoring event, four field duplicates (DUP-1, DUP-2, DUP-3 and DUP-4) sample were collected from wells MW-8, MW-19, MWD-6 and MWD-11. All duplicate samples were analyzed for BTEX by EPA Method 8021B, chloride by EPA Method 300, TDS by EPA Method 2540C, and dissolved metals by EPA Methods 6010B & 7470A. No significant deviations were encountered in the sample results for duplicate constituents.

Certified groundwater laboratory reports received from Lancaster Laboratories for the February and August 2012 sampling events were reviewed by a CRA analytical chemist for laboratory and field method QA/QC. Based on a review of the laboratory reports these data were found to exhibit acceptable levels of accuracy and precision based on the information provided. Certified copies of laboratory analytical results and copies of Data Quality Assessment Memorandums prepared by CRA are included in Appendix C.

5.0 CORRECTIVE ACTION

Currently, the four largest areas of concern at the former plant area are:

1. An LNAPL and dissolved-phase hydrocarbon plume on the west side;

    - In August 2012, CRA reinitiated manual recovery efforts near the former jet skid area as an interim measure. Biweekly LNAPL abatement activities were performed in five accessible wells (MW-1, MW-2, MW-10, RW-1 and RW-2) from August 28, 2012 through December 31, 2012. A total of 91 gallons of LNAPL and 3 gallons of water were recovered during the four month period in 2012. A total of 5,742 gallons of LNAPL have been recovered from 2004 through 2012. A summary of LNAPL recovery totals per well is presented in Table 2.

2. An LNAPL and dissolved-phase hydrocarbon plume on the east side;

    - During 2012, product recovery from east side wells MW-20 and MW-5 was suspended due to Targa's installation of an acid gas injection well. The remainder of 2012 was utilized to evaluate remediation efforts on Site. Recovery of LNAPL from the east side wells will resume in 2013. A total of 5,054 gallons of LNAPL and 57,603 gallons of affected groundwater have been recovered from 2003 through 2012. A summary of historic LNAPL recovery for the east side is presented in Table 3.

3. A Chloride and TDS plume on the east side;

    - This groundwater recovery system is comprised of a network of five recovery wells (MWD-3, MWD-9, RW-6, RW-7 and RW-8). The extracted groundwater was previously disposed of at an onsite deep injection well (injection well #5) operated by Targa. In February 2011 Chevron notified the NMOCD that they no longer had permission from Targa to use the injection well and the recovery system operations were temporarily suspended. The system was not in operation in 2011 prior to the February 2011 correspondence. The groundwater recovery system is currently being redesigned for recovery operations to resume in 2013. As part of the reevaluation of the current system and well components, one barrel (approximately 55 gallons) of groundwater were recovered from each of the 5 wells during both the third and fourth quarters of 2012 (5 barrels or approximately 275 gallons total per event), or a total of 10 barrels during

2012. A total of 1,044,629 barrels of groundwater have been recovered from 2004 through 2012. A summary of chloride recovery amounts is presented in Table 4.

- Groundwater pumping record reports for the five recovery wells were submitted quarterly to the NMOSE in accordance to permit requirements. These reports will continue to be submitted during the temporary suspension of daily groundwater recovery and interim quarterly recovery events; and

4. A dissolved-phase hydrocarbon plume on the south side;

- Monitoring of the dissolved-phase hydrocarbon plume during semi-annual sampling events is currently the only remediation activity associated with the south side.

6.0 FINDINGS

Based on groundwater monitoring activities performed at the Site, CRA presents the following summary:

- The Site is monitored semi-annually with a network of thirty shallow monitor wells (MW-1 to MW-34 excluding MW-5, MW-20, MW-33 and MW-28), eight shallow LNAPL recovery wells (RW-1 to RW-5, MW-5, MW-20, and MW-28), five temporary monitor wells (TMW-1 to TMW-3, TMW-5, and TMW-6), fifteen deep monitor wells (MWD-1 to MWD-17, excluding MWD-3 and MWD-9), seven water wells (WW-1 to WW-7), and five deep chloride recovery wells (MWD-3, MWD-9, RW-6, RW-7, and RW-8);
- Depth to groundwater ranged from 48.28 feet to 58.53 feet in February 2012 and 48.29 feet to 58.31 feet below TOC in August 2012;
- The average gradient observed in the shallow zone during the 2012 calendar year was 0.0046 feet/foot to the south southeast. The average gradient observed in the deep zone during the 2011 calendar year was 0.0050 feet/foot to the southeast;
- LNAPL was detected in sixteen wells during the February 2012 sampling event, and fourteen wells during the August 2012 sampling event. The largest LNAPL thicknesses measured during February and August 2012 occurred in MW-28 and were 4.38 feet and 3.91 feet, respectively;
- During the February 2012 groundwater monitoring event, benzene concentrations exceeded the NMWQCC standards in thirteen shallow wells and three deep wells;
- During the February 2012 groundwater monitoring event, ethylbenzene concentrations exceeded the NMWQCC standards in one shallow well;
- During the February 2012 groundwater monitoring event, chloride concentrations exceeded NMWQCC standards in twenty-four shallow wells and twelve deep wells;
- During the August 2012 groundwater monitoring event, benzene concentrations exceeded the NMWQCC standards in fifteen shallow wells and three deep wells;
- During the August 2012 groundwater monitoring event, ethylbenzene concentrations exceeded the NMWQCC standards in one shallow well;
- During the August 2012 groundwater monitoring event, chloride concentrations exceeded NMWQCC standards in twenty-five shallow wells and thirteen deep wells;
- Weekly LNAPL abatement activities were performed in five accessible wells (MW-1, MW-2, MW-10, RW-1 and RW-2) on the west side of the Site from August 28 through December 31, 2012. A total of 91 gallons of LNAPL and 3 gallons of water were recovered during the four month period in 2012; and
- LNAPL was not recovered by the east side LNAPL recovery system in 2012 due to Targa's installation of an acid gas injection well.

7.0 RECOMMENDATIONS AND FUTURE SITE ACTIVITIES

Based upon the summary and conclusions presented in this report, the following is recommended:

- Continue bi-weekly operation and maintenance activities to monitor recovery systems which are operational at the Site; and
- Continue semi-annual groundwater monitoring.

Future activities will include:

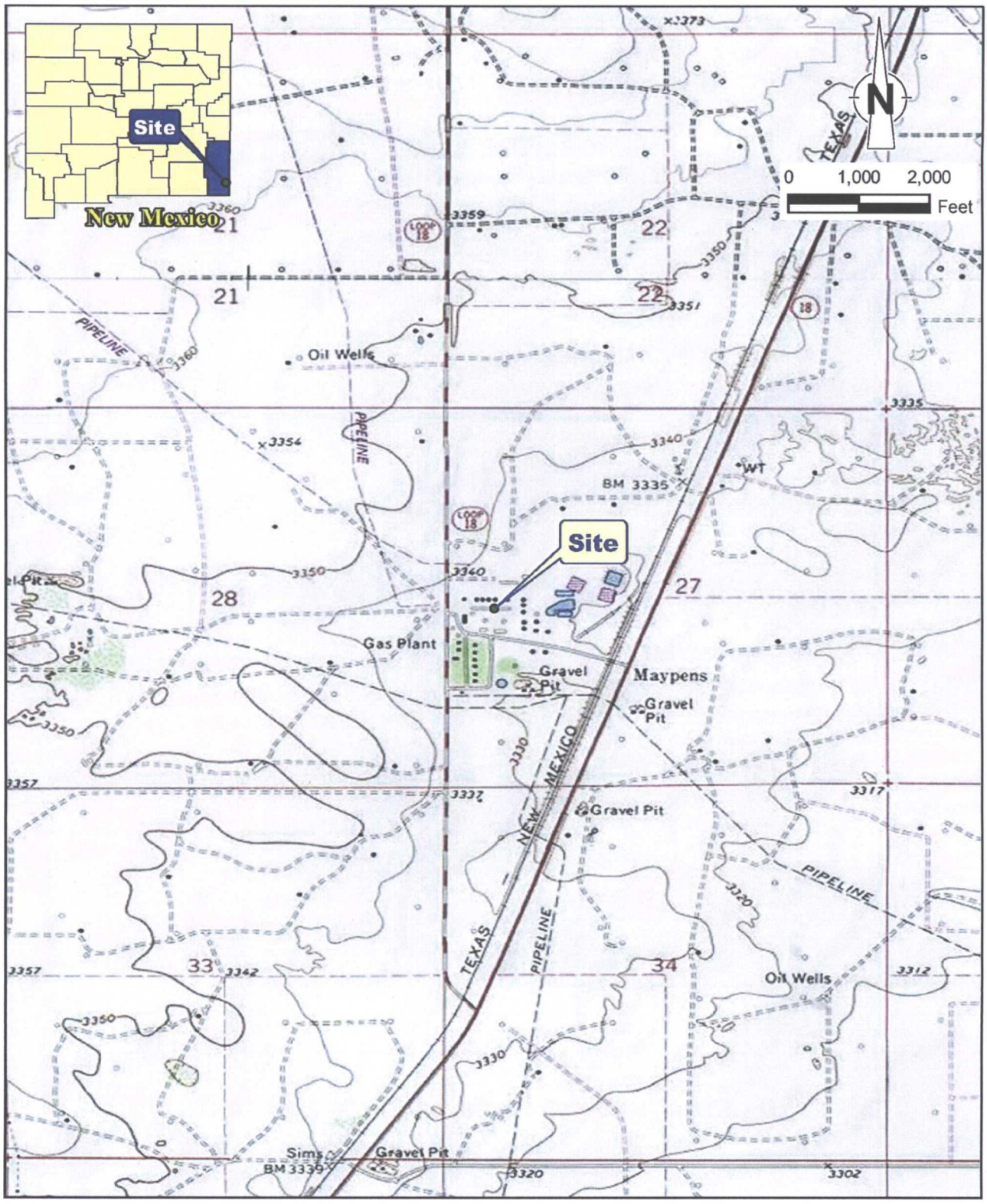
- Resume recovery of LNAPL from the east side wells in 2013; and
- Completion of the 2013 semi-annual groundwater sampling events during February and August 2013. Groundwater samples will be collected from all wells that do not contain measureable LNAPL.

All of Which is Respectfully Submitted,

CONESTOGA-ROVERS & ASSOCIATES

Brittany Ford
Environmental Scientist

Michael J. Wisniowiecki
Senior Project Manager



RE: USGS 7.5 Minute Topographic Maps.

Figure 1

SITE LOCATION MAP
EUNICE SOUTH
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

055271-00(006)GN-DL020 NOV 06/2012

LEGEND

- Targa's Onsite Injection Well
- Monitor Well Location (Shallow)
- Monitor Well Location (Deep)
- Recovery Well Location
- Water Well Location (Inactive)
- Offsite Property Wells "Not Sampled"
- Hydrocarbon Investigation Area
- Chloride Investigation Area

1. A subsurface investigation was performed in the direct vicinity of the slop oil sump in July 1996. The investigation included the installation of a single soil boring due south of the sump to a total depth of 57 feet BGS. Analytical results indicated hydrocarbon impacts at depth and light non-aqueous hydrocarbons (LNAPL) was encountered on the groundwater. Investigation activities are summarized in the subsurface environmental assessment generated by Highlander Environmental Corp. dated September 1996. Remedial activities for the slop oil sump included removal of the sump in September 2000. The excavation area measured 20' x 20' x 15'. Confirmation samples from the excavation at depth (15') indicated hydrocarbon impacts in the soils. Remedial activities are detailed in the 2000 annual summary of investigation & remediation generated by Highlander Environmental Corp. in 2001.

2. A subsurface investigation was performed in the direct vicinity of the oil & water sump in August 1996. The investigation included the installation of a single soil boring due south of the sump to a total depth of 57 feet BGS. Analytical results indicated hydrocarbon impacts in the intermediate soils at 17 feet BGS and LNAPL was encountered on the groundwater. Investigation activities are summarized in the subsurface environmental assessment generated by Highlander Environmental Corp. dated September 1996. Remedial activities for the slop oil sump included removal of the sump in September 2000. The excavation area measured 20' x 20' x 10'. Confirmation samples from the excavation at depth (10') indicated hydrocarbon impacts in the soils. Remedial activities are detailed in the 2000 annual summary of investigation & remediation generated by Highlander Environmental Corp. in 2001.

3. A subsurface investigation was performed in the direct vicinity of the jet turbine skid in August 1996. The investigation included the installation of 3 borings ranging in TDS from 52 and 57 feet BGS. Analytical results indicated hydrocarbon impacts to both the soils and groundwater in all 3 borings. Two of the three borings were converted to monitor wells (MW-1 & MW-2). Investigation activities are summarized in the subsurface environmental assessment generated by Highlander Environmental Corp. dated September 1996.

4. Two separate shallow subsurface investigations were conducted in the vicinity of engine sump #30 in August 1996 and June 1997. The August 1996 investigation included the installation of a single shallow soil boring directly north of the engine sump #30 to a total depth of 10 feet BGS. Results at total depth indicated hydrocarbon impacts at depth. The June 1997 investigation included the installation of three additional shallow borings (east, west & south of the sump) to a maximum depth of 4 feet BGS. No hydrocarbon were detected in any of the three borings at depth (4 feet). Investigation activities are summarized in the final investigation report generated by Highlander Environmental Corp. dated July 1997.

5. A shallow subsurface investigation was performed in the vicinity of engine sump #31 in A ugust 1996. This investigation included the installation of a single boring due south of the sump to a total depth of 6 feet BGS. No hydrocarbons impacts were detected at depth. Investigation activities are summarized in the subsurface environmental assessment generated by Highlander Environmental Corp. dated September 1996.

6. A shallow subsurface investigation was conducted on the southwest corner of the emergency flare sump in August 1996. The investigation included a shallow trench (test pit) that was excavated to 5 feet BGS. Confirmation samples at depth (5 feet BGS) were below laboratory detection limits. Investigation activities are summarized in the subsurface environmental assessment generated by Highlander Environmental Corp. dated September 1996.

7. An intermediate subsurface investigation was performed in the vicinity of the H2S flare sump in August 1996. The investigation included the installation of a single soil boring to a total depth of 27 feet BGS. Hydrocarbon impacts were detected in the shallow (1.5-2 feet) soils near the H2S flare sump. Analytical results at the 27 feet BGS interval were below laboratory detection limits. Investigation activities are summarized in the subsurface environmental assessment generated by Highlander Environmental Corp. dated September 1996.

8. A subsurface investigation was performed in the direct vicinity of field oil pit "d" in November 1996. The investigation included the installation of a single soil boring to a total depth of forty-eight (48) feet below ground surface (BGS). Analytical results indicated hydrocarbon impacts ext ended to 40 feet BGS. Groundwater was not encountered during the installation of the boring. Investigation activities are summarized in the final investigation report generated by Highlander Environmental Corp. dated July 1997. Remedial activities for the field oil pit "d" included over-excavation activities that were performed in February 2000. A total of 312 cubic yards of soil were removed. Remedial activities are detailed in the 2000 annual summary of investigation & remediation generated by Highlander Environmental Corp. in 2001.

9. The east sump was constructed of concreted and measured 5' x 5' x5'. The east sump was removed in September 2000 and the area was over-excavated to approximately 9' x 13' x 10'. Confirmation samples from the excavation at depth (5') indicated hydrocarbon impacts in the soils. Remedial activities are detailed in the 2000 annual summary of investigation & remediation generated by Highlander Environmental Corp. in 2001.

10. A subsurface investigation was performed in the direct vicinity of the concrete drain sump in September 2000. The investigation included the installation of a single soil boring to a total depth of 51 feet BGS. Analytical results indicated hydrocarbon impacts at depth. Remedial activities for the concrete drain sump included removal of the sump in September 2000. The excavation area measured 9' x 13' x 9'. Confirmation samples from the excavation at depth (9') indicated hydrocarbon impacts in the soils. Both investigation and remediation activities are summarized in the 2000 annual summary of investigation & remediation generated by Highlander Environmental Corp. in 2001.

11. The north brine water retention pond (pond #2) measured approximately 243' x 243' x 15' and had a designed capacity of 75,000 barrels (BBLS). Usage of this pond was discontinued in early 1998. This north brine water retention pond was capped and crowned with a clay cap in late 2000.

12. The south brine water retention pond (pond #4) measured approximately 190' x 240' x 16' and had a designed capacity of 52,000 barrels (BBLS). Usage of this pond was discontinued in mid 1998. This south brine water retention pond was capped and crowned with a clay cap in late 2000.

13. The former tank battery location was struck by lightning in May 2005. This former tank battery location was used for fluid (LNAPL and produced water) storage by the groundwater remediation systems located on the east side of the plant. Approximately 350 BBLS of fluids were released and 330 BBLS were recovered. Demolition of the former tank battery is summarized in a transmittal letter of a semi-annual groundwater monitoring report for the Eunice south gas plant generated by Secor International inc. dated March 3, 2006.

14. A subsurface investigation was conducted in the vicinity of the former truck loading area located south of the plant in November 2005. The investigation included the installation of 3 borings to groundwater. Hydrocarbon impacts were detected in the shallow (5-6 feet BGS) and in the intermediate (25-26 BGS) in at least one boring. Two of the three wells were converted into monitor wells (MW-32 & MW-34). Investigation activities are summarized in the 2006 annual summary of investigation and remediation generated by Secor International Inc. in July 2008.

15. The northwest brine water retention pond (pond #3) was capped in July 2007. Demolition activities of the southwest brine water retention pond (pond #3) are summarized in the 2007 annual summary of investigation and remediation generated by Secor International in March 7, 2007.

Figure 2

SITE DETAILS MAP
EUNICE SOUTH
LEA COUNTY, NEW MEXICO

Chevron Environmental Management Company

Figure 3

GROUNDWATER GRADIENT MAP SHALLOW WELLS - FEBRUARY 2012
EUNICE SOUTH
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

055271-00(006)GN-DL003 NOV 01/2012

0 50 100ft

LEGEND

- Targa's Onsite Injection Well
- Monitor Well Location (Shallow)
- Monitor Well Location (Deep)
- Recovery Well Location
- Water Well Location (Inactive)
- Offsite Property Wells "Not Sampled"
- Hydrocarbon Investigation Area
- Chloride Investigation Area (Former Ponds)
- -3281.0- Groundwater Elevation Contour (Dashed Where Inferred)
- 3281.19 Groundwater Elevation (Feet)
- NG Not Gauged
- Regional Groundwater Flow Direction

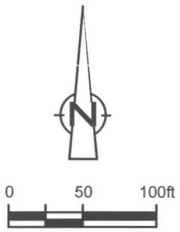
Notes:

1. Groundwater elevations were collected in February 2012
2. Depth to groundwater was gauged from top of casing
3. Contour interval is 0.5 foot
4. Water wells WW-1 through WW-7 were inaccessible
5. MWD-15 was not honored in the groundwater elevation contours.

Figure 4

GROUNDWATER GRADIENT MAP DEEP WELLS - FEBRUARY 2012
EUNICE SOUTH
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

055271-00(006)GN-DL004 NOV 06/2012



LEGEND

- Targa's Onsite Injection Well
- Monitor Well Location (Shallow)
- Monitor Well Location (Deep)
- Recovery Well Location
- Water Well Location (Inactive)
- Offsite Property Wells "Not Sampled"
- Hydrocarbon Investigation Area
- Chloride Investigation Area (Former Ponds)
- -3281- Groundwater Elevation Contour (Dashed Where Inferred)
- 3280.69 Groundwater Elevation (Feet)
- NG Not Gauged
- Regional Groundwater Flow Direction

Notes:

1. Groundwater elevations were collected in August 2012
2. Depth to groundwater was gauged from top of casing
3. Contour interval is 1.0 foot
4. RW-1, RW-2, RW-3, RW-4, RW-5, MW-5, MW-6, MW-8, MW-14 and MW-28 were not honored in the groundwater elevation contours
5. TMW-5 were inaccessible due to onsite construction

Figure 5

GROUNDWATER GRADIENT MAP SHALLOW WELLS - AUGUST 2012
EUNICE SOUTH
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

055271-00(006)GN-DL002 NOV 01/2012

LEGEND

- Targa's Onsite Injection Well
- Monitor Well Location (Shallow)
- Monitor Well Location (Deep)
- Recovery Well Location
- Water Well Location (Inactive)
- Offsite Property Wells "Not Sampled"
- Hydrocarbon Investigation Area
- Chloride Investigation Area (Former Ponds)
- −3281− Groundwater Elevation Contour (Dashed Where Inferred)
- 3281.28 Groundwater Elevation (Feet)
- NG Not Gauged
- Regional Groundwater Flow Direction

Notes:

1. Groundwater elevations were collected in August 2012
2. Depth to groundwater was gauged from top of casing
3. Contour interval is 0.5 foot
4. Water wells WW-1 through WW-7 and MWD-16 were inaccessible

Figure 6

GROUNDWATER GRADIENT MAP DEEP WELLS - AUGUST 2012
EUNICE SOUTH
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

055271-00(006)GN-DL005 NOV 01/2012

0 50 100ft

LEGEND

- Targa's Onsite Injection Well
- Monitor Well Location (Shallow)
- Monitor Well Location (Deep)
- Recovery Well Location
- Water Well Location (Inactive)
- Offsite Property Wells "Not Sampled"
- Hydrocarbon Investigation Area
- Chloride Investigation Area
- 0.01' LNAPL Thickness (Feet)
- —0— LNAPL Thickness Isopleth (Feet) (Dashed Where Inferred)
- NG Not Gauged

Notes:

1. Wells gauged in February 2012.
2. Monitor well MW-5 was inaccessible due to onsite construction

Figure 7

LNAPL THICKNESS ISOPLETH MAP FEBRUARY 2012
EUNICE SOUTH
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

055271-00(006)GN-DL006 JAN 9/2013

LEGEND

- Targa's Onsite Injection Well
- Monitor Well Location (Shallow)
- Monitor Well Location (Deep)
- Recovery Well Location
- Water Well Location (Inactive)
- Offsite Property Wells "Not Sampled"
- Hydrocarbon Investigation Area
- Chloride Investigation Area
- 0.01' LNAPL Thickness (Feet)
- —0— LNAPL Thickness Isopleth (Feet) (Dashed Where Inferred)
- NG Not Gauged

Notes:

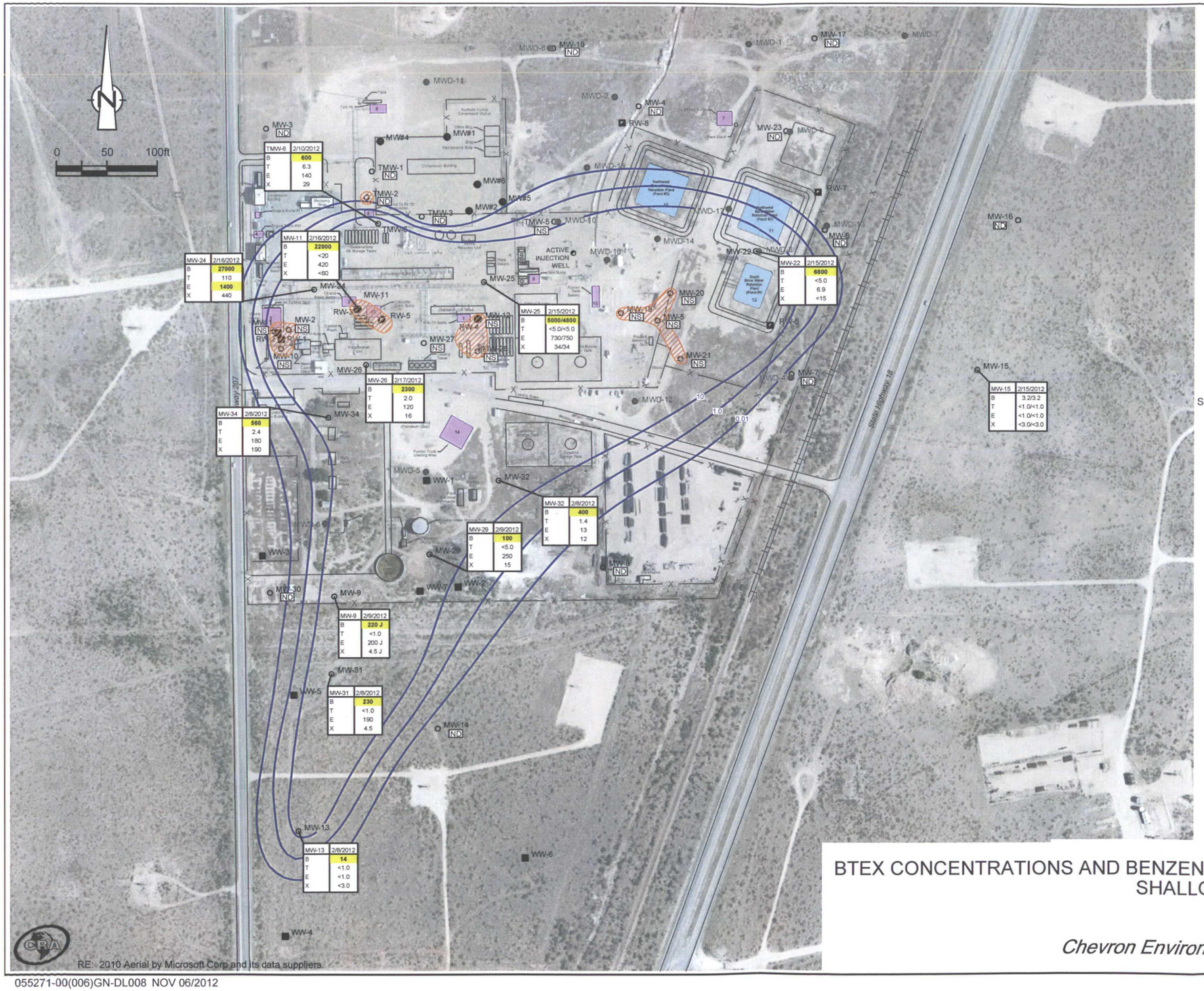
1. Wells gauged in August 2012

RE: 2010 Aerial by Microsoft Corp and its data suppliers

Figure 8

LNAPL THICKNESS ISOPLETH MAP AUGUST 2012
EUNICE SOUTH
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

055271-00(006)GN-DL007 JAN 8/2013



LEGEND

- Targa's Onsite Injection Well
- Monitor Well Location (Shallow)
- Monitor Well Location (Deep)
- Recovery Well Location
- Water Well Location (Inactive)
- Offsite Property Wells "Not Sampled"
- Hydrocarbon Investigation Area
- Chloride Investigation Area
- Approximate Extent of LNAPL Plume
- 5 Benzene Contour (µg/L)
- ND Not Detected
- NS Not Sampled

Sample Location	NMWQCC Standard	Sample Date
MW-22		2/15/2012
Benzene	10	**6800**
Toluene	750	<5.0
Ethylbenzene	750	6.9
Total Xylene	620	<15

Constituent — Result (µg/L) — NMWQCC Standard Exceedance

NOTES:

1. Wells marked with "*LNAPL*" were not sampled due to the presence of light non-aqueous phase liquid
2. BTEX was analyzed by EPA method 8021B
3. Shading indicates that a detected result exceeded the NMWQCC standard
4. Monitor wells MW-5 was inaccessible due to onsite construction
5. Contour intervals vary and are indicated on figure

RE: 2010 Aerial by Microsoft Corp and its data suppliers.

Figure 9

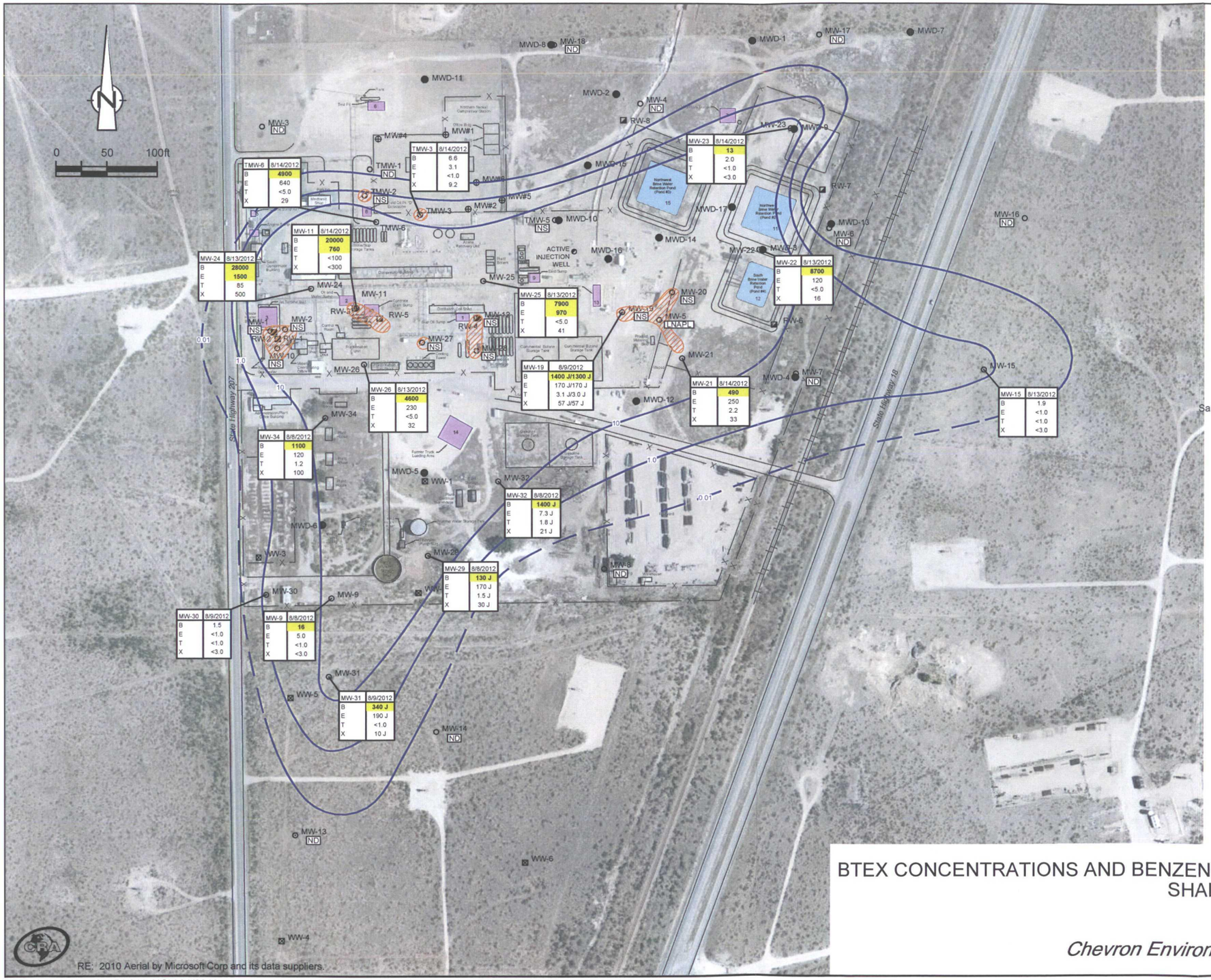
BTEX CONCENTRATIONS AND BENZENE ISOCONCENTRATION MAP
SHALLOW WELLS - FEBRUARY 2012
EUNICE SOUTH
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

NOTES:

1. Wells marked with "LNAPL" were not sampled due to the presence of light non-aqueous phase liquid
2. BTEX was analyzed by EPA method 8021B
3. Shading indicates that a detected result exceeded the NMWQCC standard
4. Water wells WW-1 through WW-7 and MWD-16 were inaccessible
5. Contour intervals vary and are indicated on figure

Figure 10

BTEX CONCENTRATIONS AND BENZENE ISOCONCENTRATION MAP
DEEP WELLS - FEBRUARY 2012
EUNICE SOUTH
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company



LEGEND

- Targa's Onsite Injection Well
- Monitor Well Location (Shallow)
- Monitor Well Location (Deep)
- Recovery Well Location
- Water Well Location (Inactive)
- Offsite Property Wells "Not Sampled"
- Hydrocarbon Investigation Area
- Chloride Investigation Area
- Approximate Extent of LNAPL Plume
- –5– Benzene Contour (µg/L) (Dashed Where Inferred)
- ND Not Detected
- NS Not Sampled

Sample Location — MW-17	NMWQCC Standard	8/13/2012 — Sample Date
Benzene	10	8700 — Result (µg/L)
Toluene	750	120
Ethylbenzene	750	<5.0
Total Xylene	620	16 — NMWQCC Standard Exceedance

NOTES:

1. Wells marked with "*LNAPL*" were not sampled due to the presence of light non-aqueous phase liquid
2. BTEX was analyzed by EPA method 8021B
3. Shading indicates that a detected results exceeded the NMWQCC standard
4. Wells MW-19, MW-20, MW-21, and RW-5 were inaccessible to onsite construction

Figure 11

BTEX CONCENTRATIONS AND BENZENE ISOCONCENTRATION MAP
SHALLOW WELLS - AUGUST 2012
EUNICE SOUTH
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

055271-00(006)GN-DL010 NOV 01/2012

LEGEND

- Targa's Onsite Injection Well
- Monitor Well Location (Shallow)
- Monitor Well Location (Deep)
- Recovery Well Location
- Water Well Location (Inactive)
- Offsite Property Wells "Not Sampled"
- Hydrocarbon Investigation Area
- Chloride Investigation Area
- 5 Benzene contour (µg/L) (Dashed Where Inferred)
- ND Not Detected
- NS Not Sampled

	NMWQCC Standard	8/9/2012
MWD-12		
Benzene	10	1000
Toluene	750	45
Ethylbenzene	750	1.1
Total Xylene	620	13

Sample Location — MWD-12
Constituent — Benzene, Toluene, Ethylbenzene, Total Xylene
Sample Date — 8/9/2012
Result (µg/L)
NMWQCC Standard Exceedance

NOTES:

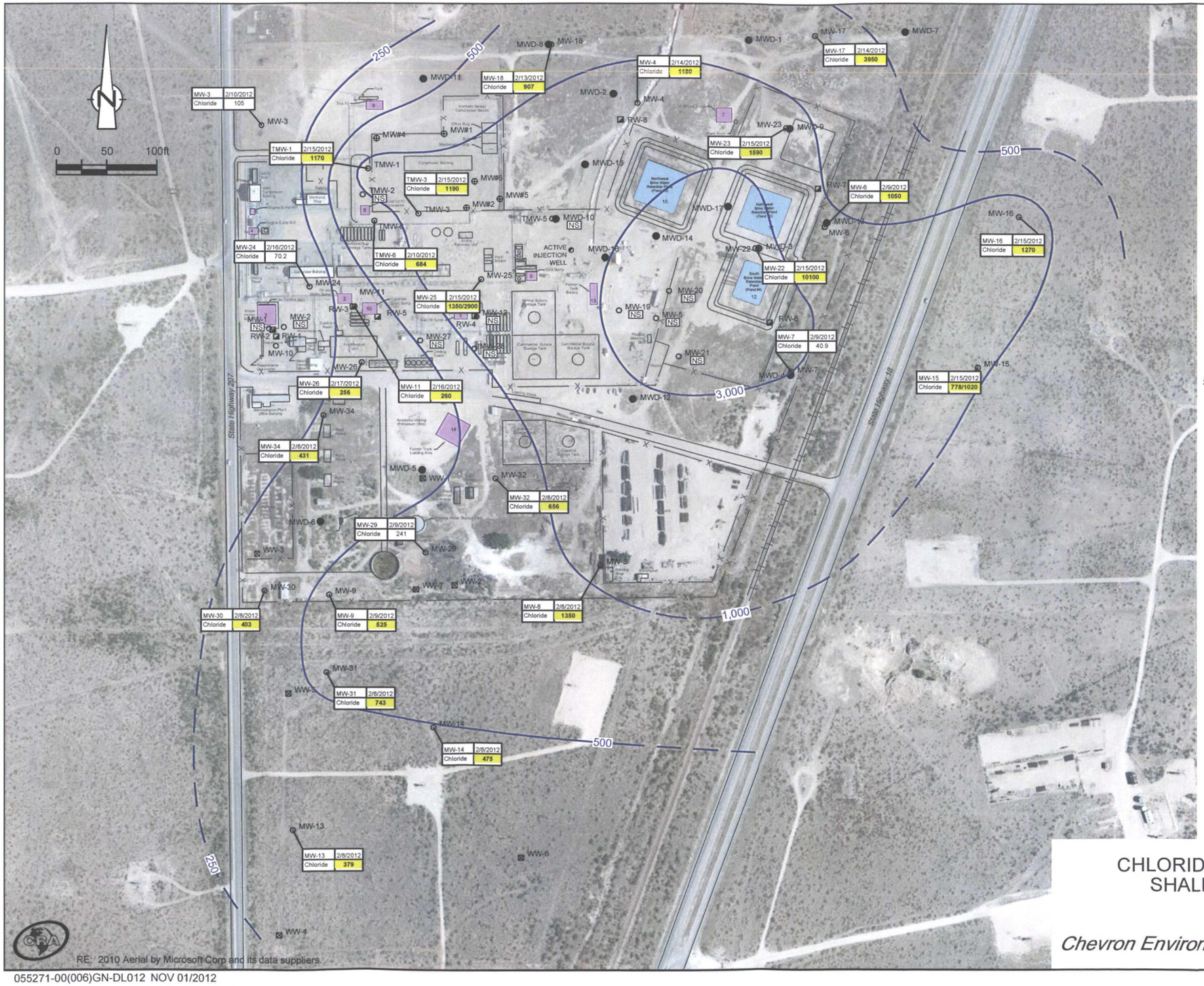
1. BTEX was analyzed by EPA method 8021B
2. Shading indicates that a detected result exceeded the NMWQCC standard
3. Water wells WW-1 through WW-7 and MWD-16 were inaccessible
4. Contour intervals vary and are indicated on figure

Figure 12

BTEX CONCENTRATIONS AND BENZENE ISOCONCENTRATION MAP DEEP WELLS - AUGUST 2012 EUNICE SOUTH LEA COUNTY, NEW MEXICO

Chevron Environmental Management Company

055271-00(006)GN-DL011 NOV 01/2012



LEGEND

- Targa's Onsite Injection Well
- Monitor Well Location (Shallow)
- Monitor Well Location (Deep)
- Recovery Well Location
- Water Well Location (Inactive)
- Offsite Property Wells "Not Sampled"
- Hydrocarbon Investigation Area
- Chloride Investigation Area
- 250 Chloride Contour (mg/L) (Dashed Where Inferred)
- NS Not Sampled

Sample Location — MW-16 | NMWQCC Standard 250 | 2/15/2012 — Sample Date
Constituent — Chloride | 1270 — Result (mg/L)
NMWQCC Standard Exceedance

NOTES:

1. Wells marked with "*LNAPL*" were not sampled due to the presence of light non-aqueous phase liquid
2. Chloride was analyzed by EPA methods 300.0 E
3. Shading indicates that a detected result exceeded the NMWQCC standard 20.6.2.3103.B
4. Monitor well MW-5 was inaccessible due to onsite construction
5. Contour intervals vary and are indicated on figure
6. Wells MW-7 and MW-29 were not honored in the gradient

Figure 13

CHLORIDE ISOCONCENTRATION MAP
SHALLOW WELLS - FEBUARY 2012
EUNICE SOUTH
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

055271-00(006)GN-DL012 NOV 01/2012

LEGEND

- Targa's Onsite Injection Well
- Monitor Well Location (Shallow)
- Monitor Well Location (Deep)
- Recovery Well Location
- Water Well Location (Inactive)
- Offsite Property Wells "Not Sampled"
- Hydrocarbon Investigation Area
- Chloride Investigation Area
- −250− Chloride contour (mg/L) (Dashed Where Inferred)

Sample Location	NMWQCC		
MWD-13	Standard	2/9/2012	Sample Date
Chloride	250	935	Result (mg/L) NMWQCC Standard Exceedance

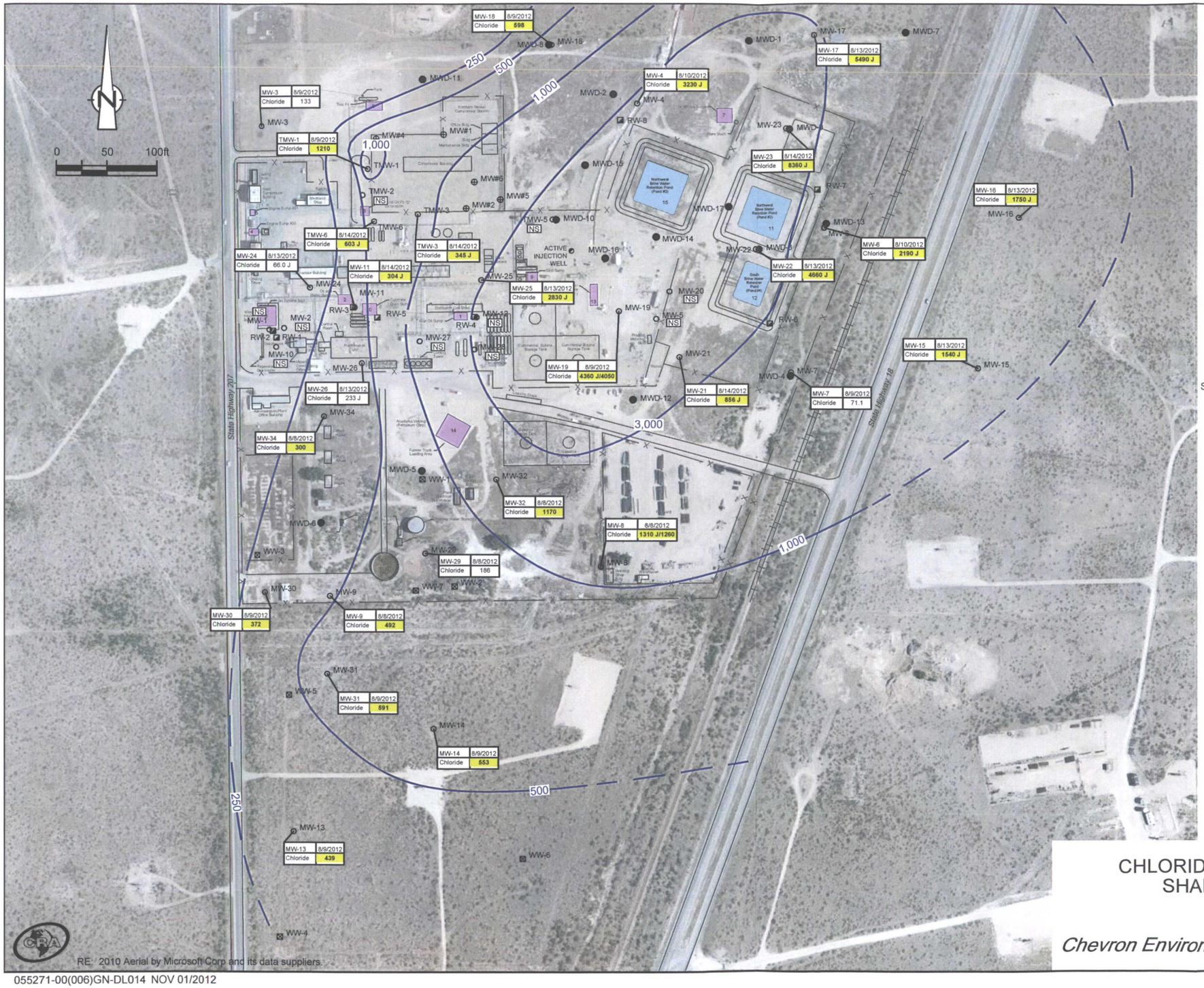
NOTES:

1. Wells marked with "*LNAPL*" were not sampled due to the presence of light non-aqueous phase liquid
2. Chloride was analyzed by EPA methods 300.0 E
3. Shading indicates that a detected result exceeded the NMWQCC standard 20.6.2.3103.B
4. Contour intervals vary and are indicated on figure
5. Water wells WW-1 through WW-7 and MWD-16 were inaccessible

Figure 14

CHLORIDE ISOCONCENTRATION MAP
DEEP WELLS - FEBRUARY 2012
EUNICE SOUTH
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

055271-00(006)GN-DL013 NOV 01/2012



LEGEND

- Targa's Onsite Injection Well
- Monitor Well Location (Shallow)
- Monitor Well Location (Deep)
- Recovery Well Location
- Water Well Location (Inactive)
- Offsite Property Wells "Not Sampled"
- Hydrocarbon Investigation Area
- Chloride Investigation Area
- −250− Chloride Contour (mg/L) (Dashed Where Inferred)
- NS Not Sampled

Sample Location — MW-15 | NMWQCC Standard 250 | 8/13/2012 1540 J — Sample Date
Constituent — Chloride — Result (mg/L)
NMWQCC Standard Exceedance

NOTES:

1. Wells marked with "LNAPL" were not sampled due to the presence of light non-aquoeus phase liquid
2. Chloride was analyzed by EPA methods 300.0 E
3. Shading indicates that a detected result exceeded the NMWQCC standard 20.6.2.3103.B
4. Wells MW-20, RW-3 and RW-5 were inaccessible due to onsite construction
5. Contour intervals vary and are indicated on figure
6. Wells MW-7, MW-20, MW-26 and MW-29 were not honored in gradient

Figure 15

CHLORIDE ISOCONCENTRATION MAP
SHALLOW WELLS - AUGUST 2012
EUNICE SOUTH
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

055271-00(006)GN-DL014 NOV 01/2012

LEGEND

- Targa's Onsite Injection Well
- Monitor Well Location (Shallow)
- Monitor Well Location (Deep)
- Recovery Well Location
- Water Well Location (Inactive)
- Offsite Property Wells "Not Sampled"
- Hydrocarbon Investigation Area
- Chloride Investigation Area
- −250− Chloride Contour (mg/L) (Dashed Where Inferred)

Sample Location	NMWQCC Standard	Sample Date
MWD-13	8/10/2012	
Constituent: Chloride	250	1820 J (Result (mg/L); NMWQCC Standard Exceedance)

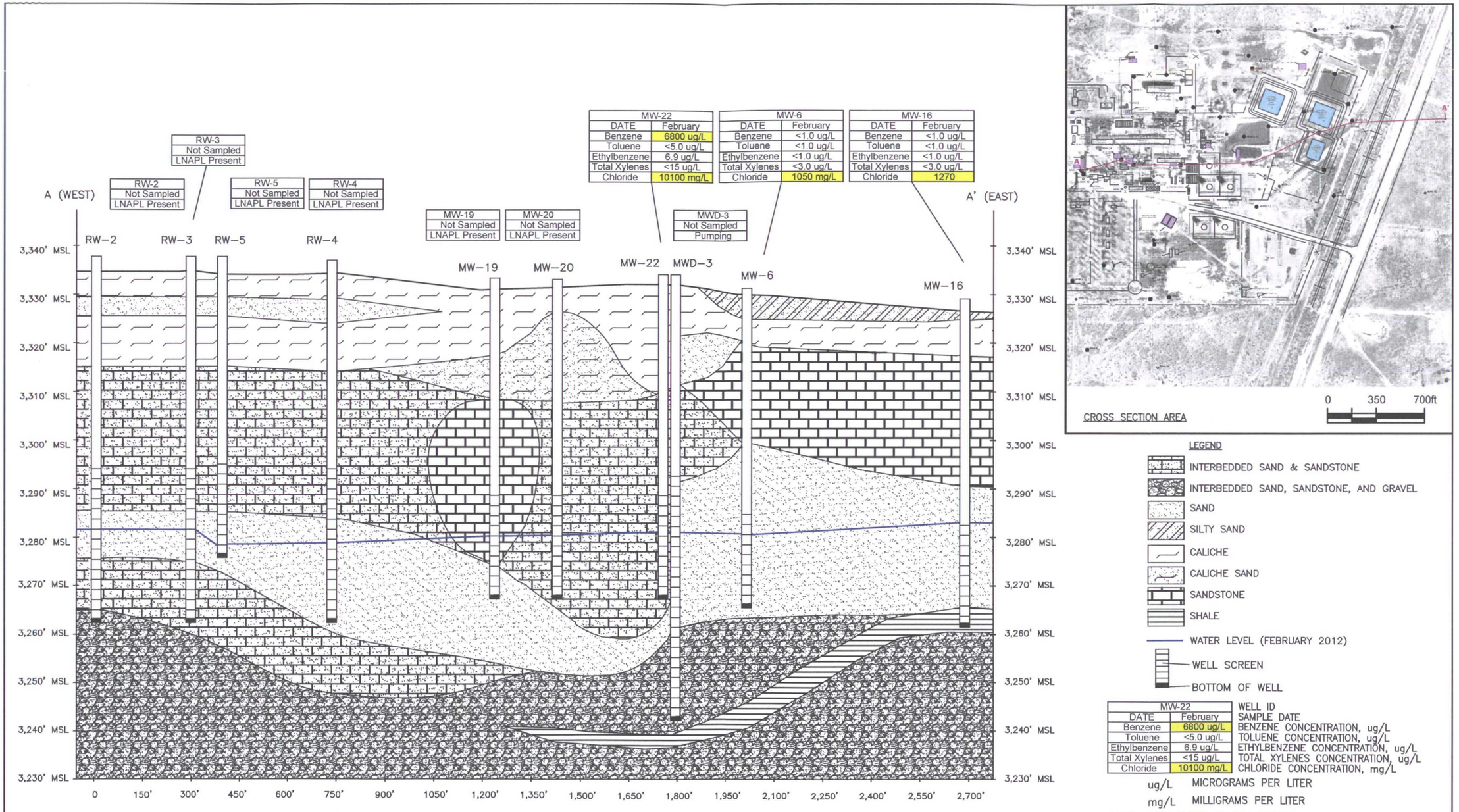
NOTES:

1. Chloride was analyzed by EPA methods 300.0 E
2. Shading indicates that a detected result exceeded the NMWQCC standard
3. Water wells WW-1 through WW-7 and MWD-16 were inaccessible
4. Contour intervals vary and are indicated on figure

Figure 16

CHLORIDE ISOCONCENTRATION MAP
DEEP WELLS - AUGUST 2012
EUNICE SOUTH
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

055271-00(006)GN-DL015 NOV 01/2012



LEGEND

- INTERBEDDED SAND & SANDSTONE
- INTERBEDDED SAND, SANDSTONE, AND GRAVEL
- SAND
- SILTY SAND
- CALICHE
- CALICHE SAND
- SANDSTONE
- SHALE
- WATER LEVEL (FEBRUARY 2012)
- WELL SCREEN
- BOTTOM OF WELL

MW-22	
DATE	February
Benzene	6800 ug/L
Toluene	<5.0 ug/L
Ethylbenzene	6.9 ug/L
Total Xylenes	<15 ug/L
Chloride	10100 mg/L

WELL ID
SAMPLE DATE
BENZENE CONCENTRATION, ug/L
TOLUENE CONCENTRATION, ug/L
ETHYLBENZENE CONCENTRATION, ug/L
TOTAL XYLENES CONCENTRATION, ug/L
CHLORIDE CONCENTRATION, mg/L

ug/L MICROGRAMS PER LITER

mg/L MILLIGRAMS PER LITER

NOTE: HIGHLIGHTED VALUES EXCEED NMWQCC STANDARDS.

Figure 17

FEBRUARY 2012 GEOLOGIC CROSS SECTION A-A'
EUNICE SOUTH
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

055271-00(006)GN-DL016 OCT 29/2012

MW-17	
DATE	February
Benzene	<1.0 ug/L
Toluene	<1.0 ug/L
Ethylbenzene	<1.0 ug/L
Total Xylenes	<3.0 ug/L
Chloride	3950 mg/L

MWD-17	
DATE	February
Benzene	1500 ug/L
Toluene	<1.0 J ug/L
Ethylbenzene	220 ug/L
Total Xylenes	<3.0 J ug/L
Chloride	8690 mg/L

MW-20
Not Accessible

MW-5
Not Accessible

MWD-12	
DATE	February
Benzene	1.7 ug/L
Toluene	<1.0 ug/L
Ethylbenzene	<1.0 ug/L
Total Xylenes	<3.0 ug/L
Chloride	8390 mg/L

MW-32	
DATE	February
Benzene	400 ug/L
Toluene	1.4 ug/L
Ethylbenzene	13 ug/L
Total Xylenes	12 ug/L
Chloride	656 mg/L

MW-29	
DATE	February
Benzene	100 ug/L
Toluene	<5.0 ug/L
Ethylbenzene	250 ug/L
Total Xylenes	15 ug/L
Chloride	241 mg/L

MW-14	
DATE	February
Benzene	<1.0 ug/L
Toluene	<1.0 ug/L
Ethylbenzene	<1.0 ug/L
Total Xylenes	<3.0 ug/L
Chloride	475 mg/L

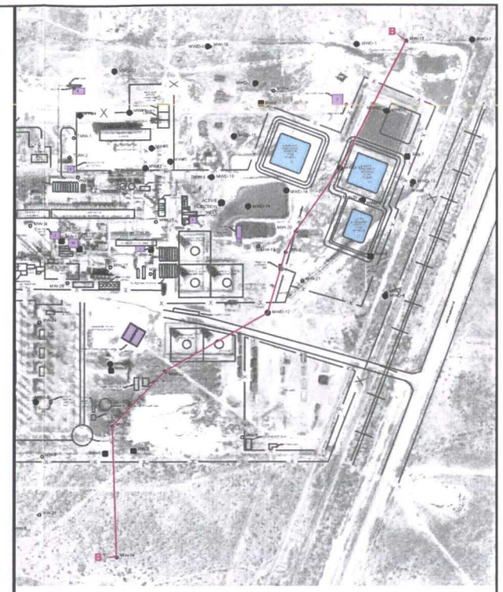
B (NORTH)

B' (SOUTH)

MW-17 MWD-17 MW-20 MW-5 MWD-12 MW-32 MW-29 MW-14

3,340' MSL
3,330' MSL
3,320' MSL
3,310' MSL
3,300' MSL
3,290' MSL
3,280' MSL
3,270' MSL
3,260' MSL
3,250' MSL
3,240' MSL
3,230' MSL
3,220' MSL
3,210' MSL
3,200' MSL

0 150' 300' 450' 600' 750' 900' 1050' 1,200' 1,350' 1,500' 1,650' 1,800' 1,950' 2,100' 2,250' 2,400' 2,550' 2,700' 2,850' 3,000'



CROSS SECTION AREA

0 350 700ft

LEGEND

- INTERBEDDED SAND & SANDSTONE
- INTERBEDDED SAND, SANDSTONE, AND GRAVEL
- SAND
- SILTY SAND
- CALICHE
- CALICHE SAND
- WATER LEVEL (FEBRUARY 2012)
- WELL SCREEN
- BOTTOM OF WELL

MW-32		
DATE	February	WELL ID / SAMPLE DATE
Benzene	400 ug/L	BENZENE CONCENTRATION, ug/L
Toluene	1.4 ug/L	TOLUENE CONCENTRATION, ug/L
Ethylbenzene	13 ug/L	ETHYLBENZENE CONCENTRATION, ug/L
Total Xylenes	12 ug/L	TOTAL XYLENES CONCENTRATION, ug/L
Chloride	656 mg/L	CHLORIDE CONCENTRATION, mg/L

ug/L MICROGRAMS PER LITER

mg/L MILLIGRAMS PER LITER

NOTE: HIGHLIGHTED VALUES EXCEED NMWQCC STANDARDS.

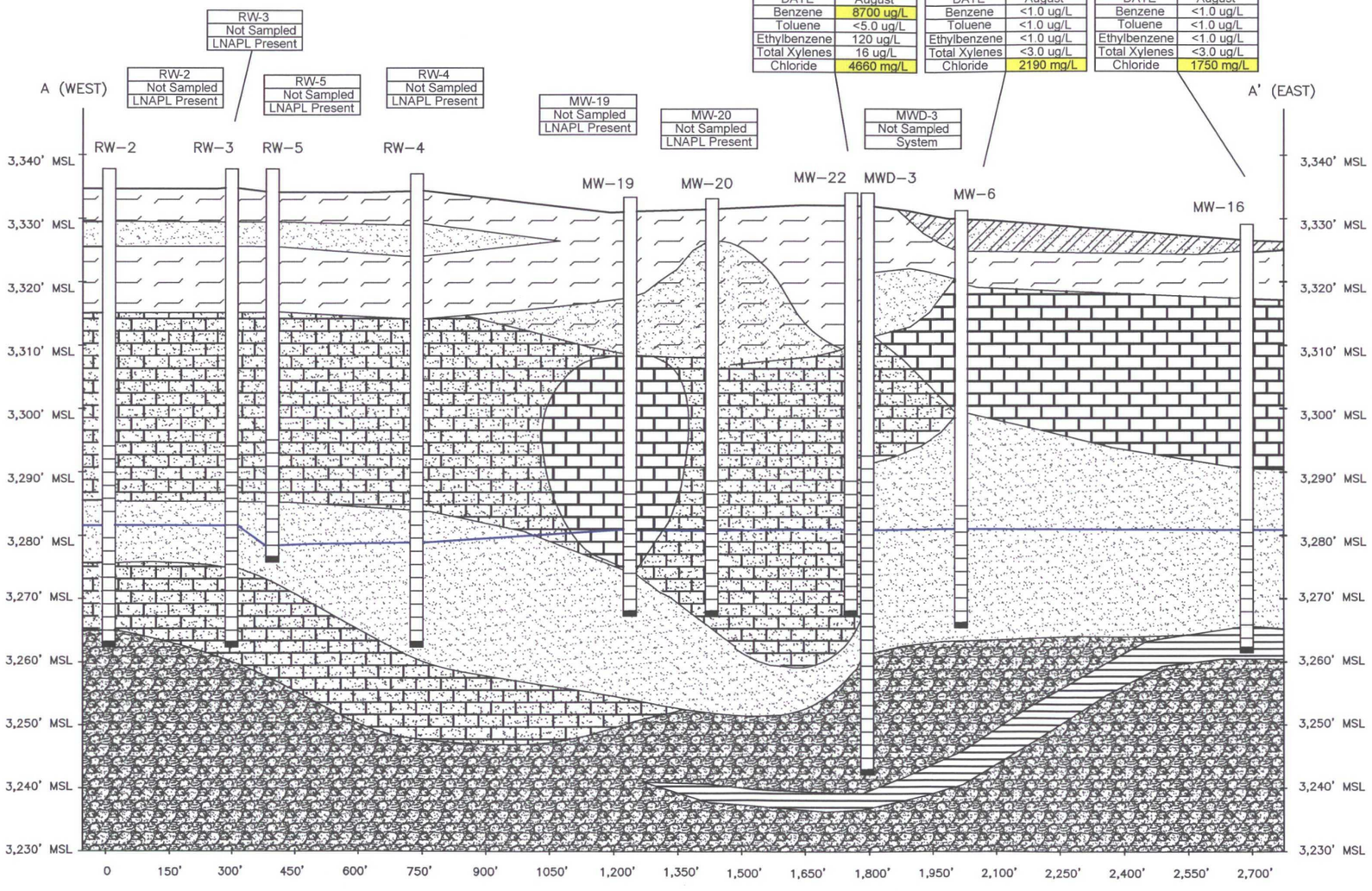
0 10 20ft
VERTICLE SCALE

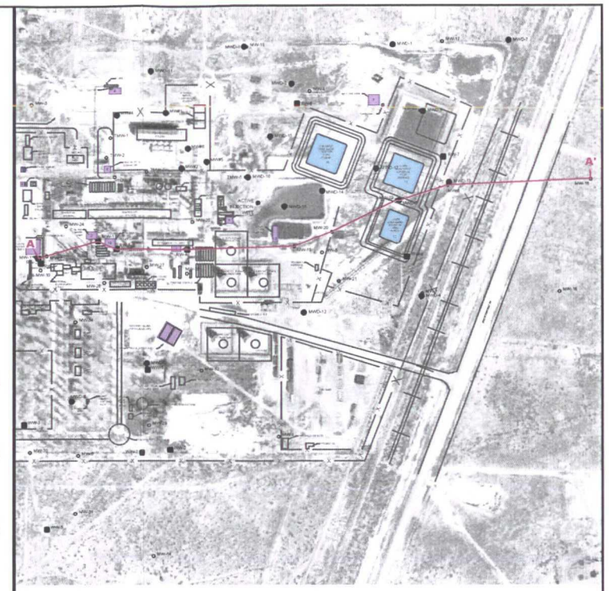
0 100 300ft
HORIZONTAL SCALE

Figure 18

FEBRUARY 2012 GEOLOGIC CROSS SECTION B-B'
EUNICE SOUTH
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

055271-00(006)GN-DL017 OCT 29/2012





CROSS SECTION AREA

0 350 700ft

LEGEND

- INTERBEDDED SAND & SANDSTONE
- INTERBEDDED SAND, SANDSTONE, AND GRAVEL
- SAND
- SILTY SAND
- CALICHE
- CALICHE SAND
- SANDSTONE
- SHALE
- WATER LEVEL (AUGUST 2012)
- WELL SCREEN
- BOTTOM OF WELL

MW-22	WELL ID
DATE August	SAMPLE DATE
Benzene 8700 ug/L	BENZENE CONCENTRATION, ug/L
Toluene <5.0 ug/L	TOLUENE CONCENTRATION, ug/L
Ethylbenzene 120 ug/L	ETHYLBENZENE CONCENTRATION, ug/L
Total Xylenes 16 ug/L	TOTAL XYLENES CONCENTRATION, ug/L
Chloride 4660 mg/L	CHLORIDE CONCENTRATION, mg/L

ug/L MICROGRAMS PER LITER

mg/L MILLIGRAMS PER LITER

NOTE: HIGHLIGHTED VALUES EXCEED NMWQCC STANDARDS.

0 10 20ft
VERTICLE SCALE

0 100 300ft
HORIZONTAL SCALE

Figure 19

AUGUST 2012 GEOLOGIC CROSS SECTION A-A'
EUNICE SOUTH
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

CRA

055271-00(006)GN-DL018 OCT 29/2012

B (NORTH)

MW-17	
DATE	August
Benzene	<1.0 ug/L
Toluene	<1.0 ug/L
Ethylbenzene	<1.0 ug/L
Total Xylenes	<3.0 ug/L
Chloride	5490 J mg/L

MWD-17	
DATE	August
Benzene	1200 ug/L
Toluene	1.2 ug/L
Ethylbenzene	47 ug/L
Total Xylenes	15 ug/L
Chloride	6900 J mg/L

MW-20
Not Accessible

MW-5
Not Accessible

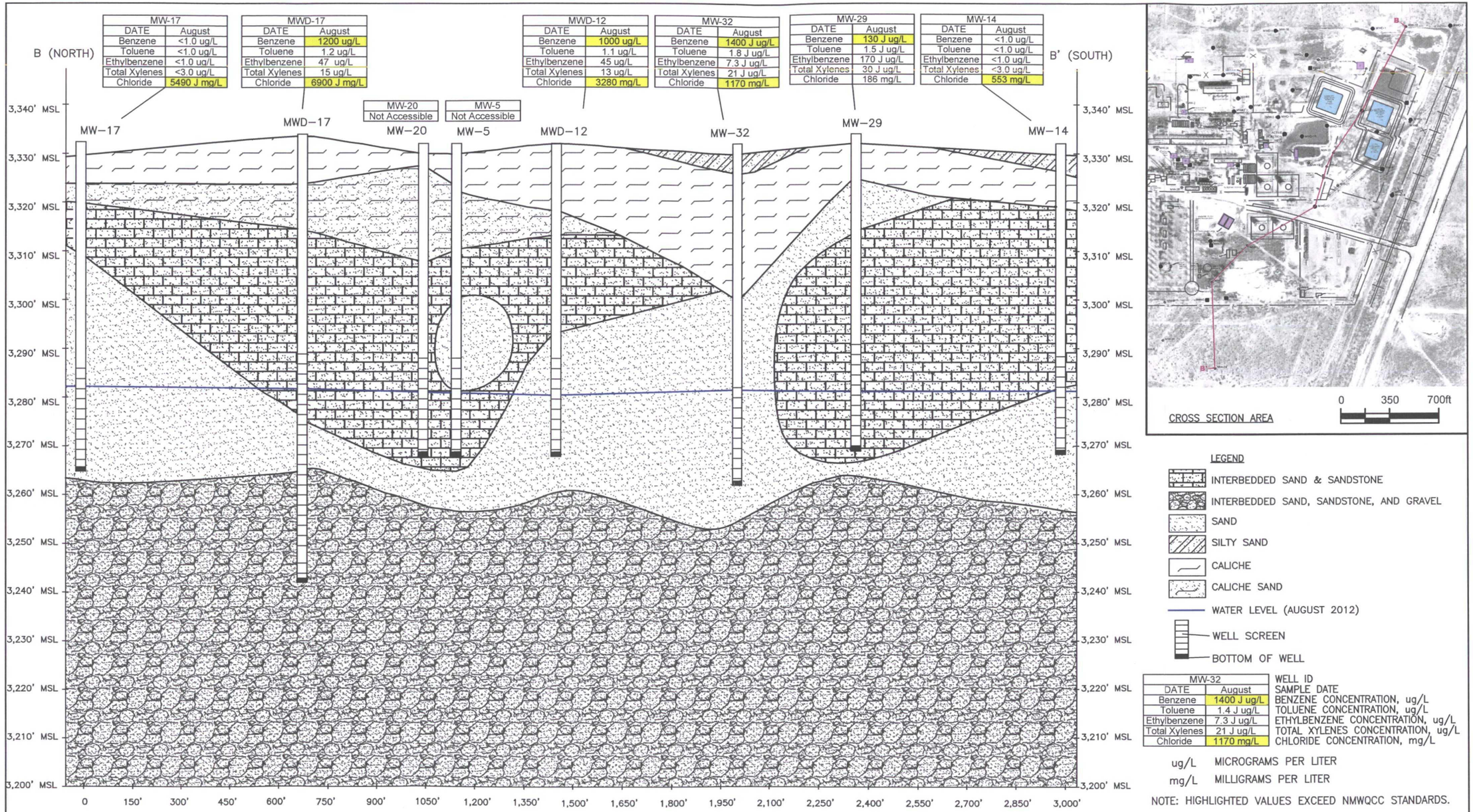
MWD-12	
DATE	August
Benzene	1000 ug/L
Toluene	1.1 ug/L
Ethylbenzene	45 ug/L
Total Xylenes	13 ug/L
Chloride	3280 mg/L

MW-32	
DATE	August
Benzene	1400 J ug/L
Toluene	1.8 J ug/L
Ethylbenzene	7.3 J ug/L
Total Xylenes	21 J ug/L
Chloride	1170 mg/L

MW-29	
DATE	August
Benzene	130 J ug/L
Toluene	1.5 J ug/L
Ethylbenzene	170 J ug/L
Total Xylenes	30 J ug/L
Chloride	186 mg/L

MW-14	
DATE	August
Benzene	<1.0 ug/L
Toluene	<1.0 ug/L
Ethylbenzene	<1.0 ug/L
Total Xylenes	<3.0 ug/L
Chloride	553 mg/L

B' (SOUTH)



CROSS SECTION AREA

0 350 700ft

LEGEND

- INTERBEDDED SAND & SANDSTONE
- INTERBEDDED SAND, SANDSTONE, AND GRAVEL
- SAND
- SILTY SAND
- CALICHE
- CALICHE SAND
- WATER LEVEL (AUGUST 2012)
- WELL SCREEN
- BOTTOM OF WELL

MW-32		
DATE	August	WELL ID / SAMPLE DATE
Benzene	1400 J ug/L	BENZENE CONCENTRATION, ug/L
Toluene	1.4 J ug/L	TOLUENE CONCENTRATION, ug/L
Ethylbenzene	7.3 J ug/L	ETHYLBENZENE CONCENTRATION, ug/L
Total Xylenes	21 J ug/L	TOTAL XYLENES CONCENTRATION, ug/L
Chloride	1170 mg/L	CHLORIDE CONCENTRATION, mg/L

ug/L MICROGRAMS PER LITER

mg/L MILLIGRAMS PER LITER

NOTE: HIGHLIGHTED VALUES EXCEED NMWQCC STANDARDS.

0 10 20ft
VERTICLE SCALE

0 100 300ft
HORIZONTAL SCALE

Figure 20

AUGUST 2012 GEOLOGIC CROSS SECTION B-B'
EUNICE SOUTH
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

CRA

055271-00(006)GN-DL019 OCT 29/2012

TABLE 1
SUMMARY OF SOIL VAPOR EXTRACTION RECOVERY DATA
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Date	LNAPL Recovered (gallons)	Total Fluids Recovered (gallons)
2004	103,351	103,351
2005	Data Not Available	
2006	18,510	18,510
2007	SVE System Did Not Operate	
2008	SVE System Did Not Operate	
2009	SVE System Did Not Operate	
2010	SVE System Did Not Operate	
2011	SVE System Did Not Operate	
2012	SVE System Did Not Operate	
	121,861	**121,861**

Notes:

1. LNAPL - Light non-aqueous phase liquid.
2. LNAPL recovery data collected from historical groundwater monitoring reports.

TABLE 2
SUMMARY OF LNAPL RECOVERY - WEST SIDE
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Date	LNAPL Recovered (gallons)	Water Recovered (gallons)	Total Fluids Recovered (gallons)
West Side LNAPL Recovery Wells				
	2004	2,889	--	2,889
	2005	1,705	--	1,705
	2006	733	--	733
	2007	West Side Skimmer System Did Not Operate		
	2008	West Side Skimmer System Did Not Operate		
	2009	West Side Skimmer System Did Not Operate		
	2010	West Side Skimmer System Did Not Operate		
	2011	West Side Skimmer System Did Not Operate		
West Side LNAPL Recovery Wells- Manual Recovery				
MW-1	April-September 2011	66	8	74
MW-2	April-September 2011	54	2	56
MW-10	April-September 2011	5	5	10
RW-1	April-September 2011	98	2	100
RW-2	April-September 2011	101	6	106
MW-1	August 2012-December 2012	22	0	14
MW-2	August 2012-December 2012	19	1	12
MW-10	August 2012-December 2012	18	0	10
RW-1	August 2012-December 2012	17	0	17
RW-2	August 2012-December 2012	15	2	17
	TOTALS (2004-2012)	**5,742**	**26**	**5,744**

Notes:

1. LNAPL - Light non-aqueous phase liquid.
2. LNAPL recovery data collected from historical groundwater monitoring reports.

TABLE 3
SUMMARY OF LNAPL RECOVERY - EAST SIDE
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Date	LNAPL Recovered (gallons)	Water Recovered (gallons)	Total Fluids Recovered (gallons)
East Side LNAPL Recovery Wells				
MW-5	May 2003	Ferret Pump installed		
	2003	86	2,704	2,790
	2004	245	5,620	5,865
	2005	237	5,235	5,472
	2006	373	4,406	4,779
	2007	295	3,395	3,690
	2008	375	4,013	4,388
	January-February 2009	9	46	55
	March-December 2009	69	45	114
	2010	43	31	74
	January 2011	12	2.75	14
	2012	0	0	0
	TOTAL (2003-2012)	**1,744**	**25,498**	**27,241**
MW-20	May 2003	Ferret Pump installed		
	2003	95	1,935	2,030
	2004	235	7,015	7,250
	2005	320	6,730	7,050
	2006	504	5,650	6,154
	2007	368	2,990	3,358
	2008	574	7,041	7,615
	January-February 2009	66	554	620
	March-December 2009	429	68	497
	2010	652	122	774
	January 2011	67	--	67
	2012	0	0	0
	TOTAL (2003-2012)	**3,310**	**32,105**	**35,415**
	GRAND TOTAL (2003-2012)	**5,054**	**57,603**	**62,656**

Notes:

1. LNAPL - Light non-aqueous phase liquid.
2. LNAPL recovery data collected from historical groundwater monitoring reports.

TABLE 4
SUMMARY OF CHLORIDE RECOVERY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Year	MWD-3	MWD-9	RW-6	RW-7	RW-8	Year End Totals (bbls)
2004	58,934.0	83,930.0	---	---	---	142,864
2005	46,991.0	69,596.0	---	---	---	116,587
2006	34,367.1	46,745.0	34,952.9	4,828.9	19,638.5	140,532
2007	37,105.4	31,891.9	20,652.0	31,658.0	31,400.0	152,707
2008	10,017.5	37,016.6	29,434.2	4,929.5	114,289.1	195,687
2009	20,789.7	31,995.1	26,583.4	33,797.9	32,247.2	145,413
2010	34,993.0	21,375.0	49,620.0	24,867.0	19,973.0	150,828
2011[1]	System Did Not Operate					
2012	2.0	2.0	2.0	2.0	2.0	10
Totals	**243,199.7**	**322,551.6**	**161,244.5**	**100,083.3**	**217,549.8**	**1,044,628.9**

1 The east side groundwater recovery system did not operate in 2011 due to no access to onsite disposal facility.

TABLE 5
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Well Diameter	Collection Date	Depth to Groundwater (ft TOC[1])	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation* (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs[2])
Shallow Monitor Wells								
MW-1	2"	2/18/09	54.27	51.96	2.31	3,282.62	60.00	45-60
3335.09		8/5/09	54.30	52.03	2.27	3,282.56	---	
		2/2/10	54.65	52.10	2.55	3,282.43	---	
		8/2/10	54.69	52.18	2.51	3,282.36	---	
		4/4/11	54.50	51.97	3.51	3,283.33	---	
		8/8/11	54.40	51.95	2.45	3,282.60	---	
		2/6/12	54.73	52.18	2.55	3,282.35	---	
		8/7/12	54.53	51.88	2.65	3,282.63	---	
MW-2	2"	2/18/09	56.44	53.85	2.59	3,281.34	61.00	46-61
3335.70		8/5/09	54.90	52.21	2.69	3,282.96	---	
		2/2/10	54.93	52.25	2.68	3,282.92	---	
		8/2/10	54.85	52.34	2.51	3,282.87	---	
		4/4/11	54.90	52.15	3.51	3,283.62	---	
		8/8/11	54.52	52.21	2.31	3,283.04	---	
		2/6/12	54.97	52.22	2.75	3,282.94	---	
		8/7/12	---	52.09	---	---	---	
MW-3	4"	2/9/09	56.24	---	---	3,283.41	---	46.4-66.4
3339.65		8/5/09	56.25	---	---	3,283.40	68.40	
		2/2/10	56.30	---	---	3,283.35	---	
		8/2/10	56.31	---	---	3,283.34	---	
		4/4/11	56.20	---	---	3,283.45	---	
		8/8/11	56.15	---	---	3,283.50	68.42	
		2/6/12	56.12	---	---	3,283.53	---	
		8/6/12	56.10	---	---	3,283.55	---	
MW-4	4"	2/11/09	51.99	---	---	3,281.26	---	46.7-66.7
3333.25		8/4/09	51.43	---	---	3,281.82	66.3	
		2/2/10	51.91	---	---	3,281.34	---	
		8/2/10	51.76	---	---	3,281.49	---	
		4/4/11	50.98	---	---	3,282.27	---	
		8/8/11	50.80	---	---	3,282.45	---	
		2/6/12	50.72	---	---	3,282.53	---	
		8/7/12	50.62	---	---	3,282.63	---	
MW-6	4"	2/5/09	52.14	---	---	3,280.19	---	46.6-66.6
3332.33		8/4/09	52.20	---	---	3,280.13	68.40	
		2/2/10	52.53	---	---	3,279.80	---	
		8/2/10	52.95	---	---	3,279.38	---	
		4/4/11	51.23	---	---	3,281.10	---	
		8/8/11	50.94	---	---	3,281.39	68.43	
		2/6/12	50.87	---	---	3,281.46	---	
		8/17/12	50.68	---	---	3,281.65	---	

TABLE 5
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Well Diameter	Collection Date	Depth to Groundwater (ft TOC[1])	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation* (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs[2])
MW-7	4"	2/5/09	49.86	---	---	3,280.57	---	46.7-66.7
3330.43		8/4/09	50.08	---	---	3,280.35	68.7	
		2/2/10	50.25	---	---	3,280.18	---	
		8/2/10	50.91	---	---	3,279.52	---	
		4/4/11	49.48	---	---	3,280.95	---	
		8/8/11	49.28	---	---	3,281.15	68.72	
		2/6/12	49.19	---	---	3,281.24	---	
		8/17/12	49.12	---	---	3,281.31	---	
MW-8	4"	2/2/09	49.48	---	---	3,281.11	---	46.7-66.7
3330.59		8/4/09	49.66	---	---	3,280.93	68.80	
		2/2/10	49.86	---	---	3,280.73	---	
		8/2/10	49.83	---	---	3,280.76	---	
		4/4/11	49.82	---	---	3,280.77	---	
		8/8/11	49.80	---	---	3,280.79	68.00	
		2/6/12	49.84	---	---	3,280.75	---	
		8/7/12	53.30	---	---	3,277.29	---	
MW-9	4"	2/12/09	53.46	---	---	3,281.27	---	46.8-66.8
3334.73		8/5/09	53.56	---	---	3,281.17	69.00	
		2/2/10	53.66	---	---	3,281.07	---	
		8/2/10	53.75	---	---	3,280.98	---	
		4/4/11	53.71	---	---	3,281.02	---	
		8/8/11	53.66	---	---	3,281.07	69.00	
		2/6/12	53.66	---	---	3,281.07	---	
		8/6/12	53.71	---	---	3,281.02	---	
MW-10	4"	2/18/09	53.84	53.83	0.01	3,282.55	66.40	46.4-66.4
3336.38		8/5/09	53.95	---	---	3,282.43	---	
		2/2/10	54.02	---	---	3,282.36	---	
		8/2/10	54.28	54.05	0.23	3,282.28	---	
		4/4/11	54.60	53.80	0.80	3,282.42	---	
		8/8/11	54.22	53.85	0.37	3,282.46	---	
		2/6/12	54.29	54.23	0.06	3,282.14	---	
		8/7/12	56.40	53.33	3.07	3,282.45	---	
MW-11	4"	2/18/09	52.21	---	---	3,282.65	66.79	46.7-66.7
3334.86		8/5/09	52.37	52.35	0.02	3,282.51	---	
		2/2/10	52.46	---	---	3,282.40	---	
		8/2/10	52.48	---	---	3,282.38	---	
		4/4/11	52.32	---	---	3,282.54	---	
		8/8/11	52.30	---	---	3,282.56	---	
		2/6/12	52.36	---	---	3,282.50	---	
		8/7/12	52.32	---	---	3,282.54	---	

TABLE 5
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Well Diameter	Collection Date	Depth to Groundwater (ft TOC[1])	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation* (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs[2])
MW-12	4"	2/18/09	52.14	51.42	0.72	3,282.31	67.12	47.1-67.1
3333.88		8/5/09	52.27	51.55	0.72	3,282.18	---	
		2/2/10	52.20	51.75	0.45	3,282.03	---	
		8/2/10	52.43	51.81	0.62	3,281.94	---	
		4/4/11	52.10	51.50	0.60	3,282.25	---	
		8/8/11	52.05	51.40	0.65	3,282.34	---	
		2/6/12	52.28	51.73	0.55	3,282.03	---	
		8/7/12	52.19	51.38	0.81	3,282.33	---	
MW-13	4"	2/9/09	56.30	---	---	3,279.85	---	48-68
3336.15		8/4/09	56.30	---	---	3,279.85	70.00	
		2/2/10	56.31	---	---	3,279.84	---	
		8/2/10	56.47	---	---	3,279.68	---	
		4/4/11	56.47	---	---	3,279.68	---	
		8/8/11	No Access - Construction on Site					
		2/6/12	56.36	---	---	3,279.79	---	
		8/6/12	56.42	---	---	3,279.73	---	
MW-14	4"	2/9/09	52.63	---	---	3,280.41	---	45-65
3333.04		8/4/09	52.72	---	---	3,280.32	68.00	
		2/2/10	52.77	---	---	3,280.27	---	
		8/2/10	52.90	---	---	3,280.14	---	
		4/4/11	52.91	---	---	3,280.13	---	
		8/8/11	52.85	---	---	3,280.19	68.03	
		2/6/12	52.82	---	---	3,280.22	---	
		8/7/12	51.97	---	---	3,281.07	---	
MW-15	4"	2/9/09	49.60	---	---	3,279.38	68.00	46-68
3328.98		8/4/09	48.75	---	---	3,280.23	68.20	
		2/2/10	48.89	---	---	3,280.09	---	
		8/2/10	49.19	---	---	3,279.79	---	
		4/4/11	48.62	---	---	3,280.36	---	
		8/8/11	48.44	---	---	3,280.54	---	
		2/6/12	48.28	---	---	3,280.70	---	
		8/7/12	48.29	---	---	3,280.69	---	
MW-16	4"	2/9/09	49.45	---	---	3,280.75	---	46.5-68
3330.20		8/4/09	49.58	---	---	3,280.62	69.65	
		2/2/10	49.68	---	---	3,280.52	---	
		8/2/10	49.87	---	---	3,280.33	---	
		4/4/11	49.34	---	---	3,280.86	---	
		8/8/11	49.81	---	---	3,280.39	---	
		2/6/12	46.45	---	---	3,283.75	---	
		8/17/12	48.96	---	---	3,281.24	---	

TABLE 5
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Well Diameter	Collection Date	Depth to Groundwater (ft TOC[1])	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation* (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs[2])
MW-17	4"	2/11/09	52.75	---	---	3,281.57	---	47.1-68.1
3334.32		8/4/09	52.88	---	---	3,281.44	69.70	
		2/2/10	52.98	---	---	3,281.34	---	
		8/2/10	53.10	---	---	3,281.22	---	
		4/4/11	52.29	---	---	3,282.03	---	
		8/8/11	52.11	---	---	3,282.21	---	
		2/6/12	52.00	---	---	3,282.32	---	
		8/7/12	51.89	---	---	3,282.43	---	
MW-18	4"	2/10/09	53.38	---	---	3,282.72	---	45.6-68
3336.10		8/4/09	53.27	---	---	3,282.83	69.90	
		2/2/10	53.47	---	---	3,282.63	---	
		8/2/10	53.43	---	---	3,282.67	---	
		4/4/11	53.07	---	---	3,283.03	---	
		8/8/11	52.93	---	---	3,283.17	69.91	
		2/6/12	52.89	---	---	3,283.21	---	
		8/7/12	52.81	---	---	3,283.29	---	
MW-19	4"	2/18/09	53.42	52.44	0.98	3,281.63	66.00	46-66
3334.21		3/18/09	53.51	52.51	1.00	3,281.56	---	
		8/5/09	52.81	---	---	3,281.40	---	
		2/2/10	53.02	53.00	0.02	3,281.21	---	
		8/2/10	53.19	---	---	3,281.02	---	
		4/4/11	52.57	52.56	0.01	3,281.65	---	
		8/8/11	No Access - Construction on Site					
		2/6/12	53.09	53.07	0.02	3,281.14	---	
		8/7/12	52.42	52.42	---	3,281.79	---	
MW-21	4"	2/18/09	51.89	51.86	0.03	3,281.16	66.00	46-66
3333.02		8/5/09	52.13	52.12	0.01	3,280.90	---	
		2/2/10	52.33	---	---	3,280.69	---	
		8/2/10	52.75	---	---	3,280.27	---	
		4/4/11	51.23	---	---	3,281.79	---	
		8/8/11	No Access - Construction on Site					
		2/6/12	52.42	52.38	0.04	3,280.63	---	
		8/7/12	51.41	---	---	3,281.61	---	

TABLE 5
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Well Diameter	Collection Date	Depth to Groundwater (ft TOC[1])	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation* (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs[2])
MW-22	4"	2/11/09	55.04	---	---	3,279.83	---	45-65
3334.87		8/5/09	54.55	---	---	3,280.32	68.30	
		2/2/10	55.45	---	---	3,279.42	---	
		8/2/10	55.77	---	---	3,279.10	---	
		4/4/11	53.60	---	---	3,281.27	---	
		8/8/11	53.38	---	---	3,281.49	68.32	
		2/6/12	53.30	---	---	3,281.57	---	
		8/7/12	53.15	---	---	3,281.72	---	
MW-23	4"	2/11/09	54.39	---	---	3,280.06	---	45-65
3334.45		8/4/09	54.25	---	---	3,280.20	69.00	
		2/2/10	55.04	---	---	3,279.41	---	
		8/2/10	55.16	---	---	3,279.29	---	
		4/4/11	52.86	---	---	3,281.59	---	
		8/8/11	52.62	---	---	3,281.83	69.03	
		2/6/12	52.50	---	---	3,281.95	---	
		8/17/12	53.25	---	---	3,281.20	---	
MW-24	4"	2/18/09	54.16	---	---	3,282.81	--	45-65
3336.97		8/4/09	54.26	54.25	0.01	3,282.72	65.00	
		2/2/10	54.38	---	---	3,282.59	---	
		8/2/10	54.38	---	---	3,282.59	---	
		4/4/11	54.23	---	---	3,282.74	---	
		8/8/11	54.20	---	---	3,282.77	---	
		2/6/12	54.25	---	---	3,282.72	---	
		8/27/12	54.22	---	---	3,282.75	---	
MW-25	4"	2/12/09	52.16	---	---	3,284.15	--	45-65
3336.31		8/5/09	52.00	---	---	3,284.31	65.00	
		2/2/10	52.48	---	---	3,283.83	---	
		8/2/10	52.49	---	---	3,283.82	---	
		4/4/11	52.15	---	---	3,284.16	---	
		8/8/11	52.08	---	---	3,284.23	---	
		2/6/12	52.15	---	---	3,284.16	---	
		8/7/12	Not Gauged					
MW-26	4"	2/17/09	52.47	---	---	3,282.46	65.00	45-65
3334.93		8/4/09	52.61	52.60	0.01	3,282.33	---	
		2/2/10	52.75	---	---	3,282.18	---	
		8/2/10	52.76	---	---	3,282.17	---	
		4/4/11	52.60	---	---	3,282.33	---	
		8/8/11	52.56	---	---	3,282.37	---	
		2/6/12	52.65	---	---	3,282.28	---	
		8/17/12	52.58	---	---	3,282.35	---	

TABLE 5
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Well Diameter	Collection Date	Depth to Groundwater (ft TOC[1])	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation[3] (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs[2])
MW-27	4"	2/17/09	52.51	---	---	3,282.45	---	45-65
3334.96		8/4/09	52.65	52.63	0.02	3,282.33	65.00	
		2/2/10	52.84	52.81	0.03	3,282.14	--	
		8/2/10	53.05	52.82	0.23	3,282.09	--	
		4/4/11	54.90	52.18	2.72	3,282.21	--	
		8/8/11	54.98	52.08	2.90	3,282.27	---	
		2/6/12	58.15	53.87	4.28	3,280.19	---	
		8/7/12	55.40	52.3	3.10	3,282.01	---	
MW-29	4"	2/4/09	52.56	---	---	3,281.45	65.00	45-65
3334.01		8/5/09	52.65	---	---	3,281.36	68.25	
		2/2/10	52.84	---	---	3,281.17	---	
		8/2/10	52.95	---	---	3,281.06	---	
		4/4/11	52.87	---	---	3,281.14	---	
		8/8/11	52.80	---	---	3,281.21	68.30	
		2/6/12	52.83	---	---	3,281.18	---	
		8/6/12	52.85	---	---	3,281.16	---	
MW-30	4"	2/4/09	55.26	---	---	3,281.23	65.00	45-65
3336.49		8/4/09	55.31	---	---	3,281.18	68.7	
		2/2/10	55.43	---	---	3,281.06	---	
		8/2/10	55.51	---	---	3,280.98	---	
		4/4/11	55.47	---	---	3,281.02	---	
		8/8/11	55.40	---	---	3,281.09	68.70	
		2/6/12	55.41	---	---	3,281.08	---	
		8/6/12	55.45	---	---	3,281.04	---	
MW-31	4"	2/9/09	53.78	---	---	3,280.74	---	45-65
3334.52		8/5/09	53.83	---	---	3,280.69	69.30	
		2/2/10	53.91	---	---	3,280.61	---	
		8/2/10	54.05	---	---	3,280.47	---	
		4/4/11	54.00	---	---	3,280.52	---	
		8/8/11	53.94	---	---	3,280.58	69.34	
		2/6/12	53.95	---	---	3,280.57	---	
		8/6/12	53.99	---	---	3,280.53	---	
MW-32	4"	2/4/09	51.28	---	---	3,281.73	---	50-65
3333.01		8/4/09	51.44	---	---	3,281.57	73.90	
		2/2/10	51.64	---	---	3,281.37	---	
		8/2/10	51.74	---	---	3,281.27	---	
		4/4/11	51.59	---	---	3,281.42	---	
		8/8/11	51.53	---	---	3,281.48	73.91	
		2/6/12	51.55	---	---	3,281.46	---	
		8/6/12	51.53	---	---	3,281.48	---	

TABLE 5
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Well Diameter	Collection Date	Depth to Groundwater (ft TOC[1])	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation* (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs[2])
MW-34	4"	2/4/09	53.51	---	---	3,282.26	---	42-57
3335.77		8/5/09	53.62	---	---	3,282.15	64.00	
		2/2/10	53.73	---	---	3,282.04	---	
		8/2/10	53.77	---	---	3,282.00	---	
		4/4/11	53.60	---	---	3,282.17	---	
		8/8/11	53.64	---	---	3,282.13	64.05	
		2/6/12	53.70	---	---	3,282.07	---	
		8/6/12	53.69	---	---	3,282.08	---	
West Side Shallow LNAPL Recovery Wells								
RW-1	6"	3/9/09	54.47	51.98	2.49	3,282.82	110.00	50-110
3335.19		8/5/09	55.01	51.92	3.09	3,282.79	---	
		2/2/10	55.25	52.00	3.25	3,282.69	---	
		8/2/10	55.20	51.98	3.22	3,282.71	---	
		4/4/11	54.78	51.84	2.94	3,282.89	---	
		8/8/11	54.45	51.73	2.72	3,283.04	---	
		2/6/12	55.20	52.13	3.07	3,282.58	---	
		8/14/12	54.68	51.77	2.91	3,282.97	---	
RW-2	6"	3/9/09	58.04	55.75	2.29	3,281.60	74.50	44.5-74.5
3337.84		8/5/09	58.31	55.79	2.52	3,281.51	---	
		2/2/10	58.45	55.82	2.63	3,281.46	---	
		8/2/10	58.45	55.84	2.61	3,281.44	---	
		4/4/11	58.25	55.72	2.53	3,281.58	---	
		8/8/11	58.23	55.73	2.50	3,281.58	---	
		2/6/12	58.53	55.87	2.66	3,281.40	---	
		8/14/12	58.31	55.65	2.66	3,281.62	---	
RW-3	6"	3/9/09	57.15	56.37	0.78	3,281.53	75.00	45-75
3338.06		8/5/09	57.29	56.46	0.83	3,281.43	---	
		2/2/10	57.45	56.58	0.87	3,281.30	---	
		8/2/10	57.49	56.59	0.90	3,281.28	---	
		4/4/11	57.23	56.40	0.83	3,281.49	---	
		8/8/11	57.38	56.35	1.03	3,281.49	---	
		2/6/12	57.50	56.52	0.98	3,281.33	---	
		8/14/12	57.55	56.34	1.21	3,281.47	---	
RW-4	6"	3/9/09	57.70	54.63	3.07	3,278.83	75.00	45-75
3334.14		8/5/09	58.04	54.67	3.37	3,278.73	---	
		2/2/10	58.00	54.77	3.23	3,278.66	---	
		8/2/10	58.37	54.80	3.57	3,278.55	---	
		4/4/11	57.77	54.57	3.20	3,278.86	---	
		8/8/11	57.54	54.54	3.00	3,278.94	---	
		2/6/12	58.10	54.79	3.31	3,278.62	---	
		8/14/12	57.77	54.49	3.28	3,278.93	---	

TABLE 5
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Well Diameter	Collection Date	Depth to Groundwater (ft TOC[1])	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation* (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs[2])
RW-5	4"	3/9/09	57.60	55.23	2.37	3,278.52	62.00	42-62
3334.20		8/5/09	58.09	55.28	2.81	3,278.39	---	
		2/2/10	58.13	55.35	2.78	3,278.33	---	
		8/2/10	58.00	55.37	2.63	3,278.34	---	
		4/4/11	58.11	55.25	2.86	3,278.41	---	
		8/8/11	No Access - Construction on Site					
		2/6/12	58.18	55.33	2.85	3,278.33	---	
		8/14/12	58.07	55.21	2.86	3,278.45	---	
MW-28	4"	3/9/09	57.65	53.6	4.05	3,278.36	65.00	45-65
3333.04		8/5/09	57.94	53.68	4.26	3,278.22	---	
		2/2/10	58.13	53.85	4.28	3,278.05	---	
		8/2/10	58.15	53.97	4.18	3,277.95	---	
		4/4/11	57.44	53.78	3.66	3,278.28	---	
		8/8/11	57.37	53.66	3.71	3,278.39	---	
		2/6/12	58.22	53.84	4.38	3,278.03		
		8/14/12	57.54	53.63	3.91	3,278.37		
East Side Shallow LNAPL Recovery Wells								
MW-5	4"	2/4/09	52.62	52.60	0.02	3,281.25	66.54	46.5-66.5
3333.85		3/18/09	52.93	52.56	0.37	3,281.24	---	
		8/5/09	53.04	52.64	0.40	3,281.15	---	
		2/2/10	53.80	52.86	0.94	3,280.86	---	
		8/2/10	53.32	53.31	0.01	3,280.54	---	
		4/4/11	No Access - Construction on Site				---	
		8/8/11	58.07	55.20	2.87	3,275.95	---	
		2/6/12	53.23	52.80	0.43	3,280.65	---	
		8/7/12	55.10	51.66	3.44	3,278.96	---	
MW-20	4"	2/4/09	54.37	52.44	1.93	3,281.33	66.00	46-66
3334.06		3/18/09	56.92	52.25	4.67	3,281.10	---	
		3/25/09	57.44	52.19	5.25	3,281.08	---	
		8/5/09	55.82	52.65	3.17	3,280.93	---	
		2/2/10	56.91	52.75	4.16	3,280.68	---	
		8/2/10	53.84	53.69	0.15	3,280.35	---	
		4/4/11	55.80	52.84	2.96	3,280.77	---	
		8/8/11	No Access - Construction on Site					
		2/6/12	56.97	52.87	4.10	3,280.57	---	
		8/7/12	55.27	51.63	3.64	3,281.88	---	

TABLE 5
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Well Diameter	Collection Date	Depth to Groundwater (ft TOC[1])	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation* (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs[2])
Shallow Temporary Monitoring Wells								
TMW-1	4"	2/10/09	54.61	---	---	3,283.09	---	NA
3337.70		8/4/09	54.61	---	---	3,283.09	70.35	
		2/2/10	54.69	---	---	3,283.01	---	
		8/2/10	54.77	---	---	3,282.93	---	
		4/4/11	54.56	---	---	3,283.14	---	
		8/8/11	54.50	---	---	3,283.20	70.38	
		2/6/12	54.48	---	---	3,283.22	---	
		8/6/12	54.44	---	---	3,283.26	---	
TMW-2	4"	2/18/09	55.95	55.11	0.84	3,283.11	70.44	NA
3338.30		3/18/09	56.08	55.18	0.90	3,283.04	---	
		8/5/09	56.15	55.20	0.95	3,283.01	---	
		2/2/10	56.59	55.25	1.34	3,282.93	---	
		8/2/10	56.67	55.22	1.45	3,282.95	---	
		4/4/11	56.65	55.06	1.59	3,283.10	---	
		8/8/11	56.64	55.00	1.64	3,283.15	70.48	
		2/6/12	56.70	54.96	1.74	3,283.18	---	
		8/6/12	56.12	54.93	1.19	3,283.26	---	
TMW-3	4"	2/17/09	53.77	---	---	3,282.90	70.23	NA
3336.67		8/5/09	53.91	53.90	0.01	3,282.76	---	
		2/2/10	54.01	---	---	3,282.66	---	
		8/2/10	53.97	---	---	3,282.70	---	
		4/4/11	53.78	---	---	3,282.89	---	
		8/8/11	53.70	---	---	3,282.97	---	
		2/6/12	53.77	---	---	3,282.90	---	
		8/7/12	53.72	---	---	3,282.95	---	
TMW-5	4"	2/18/09	53.50	---	---	3,282.16	---	NA
3335.66		8/4/09	53.51	---	---	3,282.15	70.40	
		2/2/10	53.79	---	---	3,281.87	---	
		8/2/10	53.81	---	---	3,281.85	---	
		4/4/11	53.32	---	---	3,282.34	---	
		8/8/11	No Access - Construction on Site					
		2/6/12	NG					
		8/7/12	Not Gauged					
TMW-6	4"	2/17/09	52.36	---	---	3,283.00	---	NA
3335.36		8/4/09	52.46	---	---	3,282.90	68.30	
		2/2/10	52.59	---	---	3,282.77	---	
		8/2/10	NG	---	---	NG	---	
		4/4/11	52.40	---	---	3,282.96	---	
		8/8/11	52.35	---	---	3,283.01	68.30	
		2/6/12	52.40	---	---	3,282.96	---	
		8/7/12	52.36	---	---	3,283.00	---	

TABLE 5
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Well Diameter	Collection Date	Depth to Groundwater (ft TOC[1])	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation* (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs[2])
Deep Monitor Wells								
MWD-1	4"	2/11/09	53.37	---	---	3,281.89	---	45-95
3335.26		8/4/09	53.65	---	---	3,281.61	97.34	
		2/2/10	53.80	---	---	3,281.46	---	
		8/2/10	53.84	---	---	3,281.42	---	
		4/11/11	52.98	---	---	3,282.28	---	
		8/8/11	52.88	---	---	3,282.38	95.80	
		2/6/12	52.73	---	---	3,282.53	---	
		8/7/12	52.61	---	---	3,282.65	---	
MWD-2	4"	2/10/09	54.75	---	---	3,281.57	---	45-85
3336.32		8/4/09	54.22	---	---	3,282.10	86.56	
		2/2/10	54.68	---	---	3,281.64	---	
		8/2/10	54.43	---	---	3,281.89	---	
		4/11/11	53.78	---	---	3,282.54	---	
		8/8/11	53.69	---	---	3,282.63	88.60	
		2/6/12	53.26	---	---	3,283.06	---	
		8/7/12	53.48	---	---	3,282.84	---	
MWD-4	4"	2/5/09	50.32	---	---	3,280.54	---	45-85
3330.86		8/4/09	50.52	---	---	3,280.34	87.51	
		2/2/10	50.74	---	---	3,280.12	---	
		8/2/10	51.45	---	---	3,279.41	---	
		4/11/11	49.89	---	---	3,280.97	---	
		8/8/11	49.79	---	---	3,281.07	89.20	
		2/6/12	49.67	---	---	3,281.19	---	
		8/7/12	49.58	---	---	3,281.28	---	
MWD-5	4"	2/12/09	52.11	---	---	3,281.90	---	45-95
3334.01		8/5/09	52.23	---	---	3,281.78	91.64	
		2/2/10	53.44	---	---	3,280.57	---	
		8/2/10	52.50	---	---	3,281.51	---	
		4/11/11	52.30	---	---	3,281.71	---	
		8/8/11	52.38	---	---	3,281.63	92.05	
		2/6/12	52.35	---	---	3,281.66	---	
		8/6/12	52.33	---	---	3,281.68	---	
MWD-6	4"	2/12/09	53.44	---	---	3,281.64	---	55-105
3335.08		8/4/09	53.56	---	---	3,281.52	106.18	
		2/2/10	53.67	---	---	3,281.41	---	
		8/2/10	53.70	---	---	3,281.38	---	
		4/11/11	53.61	---	---	3,281.47	---	
		8/8/11	53.63	---	---	3,281.45	106.23	
		2/6/12	53.62	---	---	3,281.46	---	
		8/6/12	53.65	---	---	3,281.43	---	

TABLE 5
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Well Diameter	Collection Date	Depth to Groundwater (ft TOC[1])	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation* (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs[2])
MWD-7	4"	2/11/09	51.54	---	---	3,281.28	---	45-85
3332.82		8/5/09	51.68	---	---	3,281.14	87.92	
		2/2/10	51.78	---	---	3,281.04	---	
		8/2/10	51.83	---	---	3,280.99	---	
		4/11/11	51.22	---	---	3,281.60	---	
		8/8/11	52.13	---	---	3,280.69	69.94	
		2/6/12	51.03	---	---	3,281.79	---	
		8/7/12	50.92	---	---	3,281.90	---	
MWD-8	4"	2/10/09	53.58	---	---	3,282.39	85.00	45-85
3335.97		8/5/09	53.50	---	---	3,282.47	88.13	
		2/2/10	53.67	---	---	3,282.30	---	
		8/2/10	53.58	---	---	3,282.39	---	
		4/11/11	53.24	---	---	3,282.73	---	
		8/8/11	53.27	---	---	3,282.70	88.26	
		2/6/12	53.10	---	---	3,282.87	---	
		8/7/12	53.30	---	---	3,282.67	---	
MWD-10	4"	2/12/09	53.19	---	---	3,281.73	---	45-85
3334.92		8/4/09	53.21	---	---	3,281.71	87.78	
		2/2/10	53.49	---	---	3,281.43	---	
		8/2/10	53.49	53.47	0.02	3,281.45	---	
		4/11/11	52.93	52.92	0.01	3,282.00	---	
		8/8/11	52.89	52.88	0.01	3,282.04	90.22	
		2/6/12			NG			
		8/7/12			Not Gauged			
MWD-11	4"	2/10/09	55.41	---	---	3,282.83	---	44-94
3338.24		8/5/09	55.43	---	---	3,282.81	96.84	
		2/2/10	55.50	---	---	3,282.74	---	
		8/2/10	55.52	---	---	3,282.72	---	
		4/11/11	55.27	---	---	3,282.97	---	
		8/8/11	55.23	---	---	3,283.01	97.11	
		2/6/12	55.15	---	---	3,283.09	---	
		8/7/12	55.17	---	---	3,283.07	---	
MWD-12	4"	2/17/09	53.04	---	---	3,281.04	---	38-88
3334.08		8/5/09	53.25	---	---	3,280.83	89.33	
		2/2/10	53.43	---	---	3,280.65	---	
		8/2/10	53.70	---	---	3,280.38	---	
		4/11/11	53.03	---	---	3,281.05	---	
		8/8/11	53.01	---	---	3,281.07	89.20	
		2/6/12	52.92	---	---	3,281.16	---	
		8/7/12	52.90	---	---	3,281.18	---	

TABLE 5
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Well Diameter	Collection Date	Depth to Groundwater (ft TOC[1])	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation* (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs[2])
MWD-13	4"	2/5/09	52.37	---	---	3,279.74	---	40-90
3332.11		8/4/09	52.33	---	---	3,279.78	93.25	
		2/2/10	52.87	---	---	3,279.24	---	
		8/2/10	53.11	---	---	3,279.00	---	
		4/11/11	51.31	---	---	3,280.80	---	
		8/8/11	51.13	---	---	3,280.98	92.40	
		2/6/12	50.95	---	---	3,281.16	---	
		8/6/12	50.85	---	---	3,281.26	---	
MWD-14	4"	2/12/09	52.86	---	---	3,280.90	---	40-90
3333.76		8/4/09	52.81	---	---	3,280.95	93.12	
		2/2/10	53.23	---	---	3,280.53	---	
		8/2/10	53.26	---	---	3,280.50	---	
		4/11/11	52.27	---	---	3,281.49	---	
		8/8/11	52.21	---	---	3,281.55	93.13	
		2/6/12	52.10	---	---	3,281.66	---	
		8/7/12	51.97	---	---	3,281.79	---	
MWD-15	4"	2/12/09	53.50	---	---	3,281.85	---	40-90
3335.35		8/4/09	53.29	---	---	3,282.06	90.28	
		2/2/10	53.70	---	---	3,281.65	---	
		8/2/10	53.57	---	---	3,281.78	---	
		4/11/11	52.92	---	---	3,282.43	---	
		8/8/11	52.46	---	---	3,282.89	88.64	
		2/6/12	54.81	---	---	3,280.54	---	
		8/7/12	52.73	---	---	3,282.62	---	
MWD-16	4"	2/12/09	52.39	---	---	3,281.71	---	45-95
3334.10		8/5/09	52.42	---	---	3,281.68	96.74	
		2/2/10	52.73	---	---	3,281.37	---	
		8/2/10	52.77	---	---	3,281.33	---	
		4/11/11	52.04	---	---	3,282.06	---	
		8/8/11	No Access - Construction on Site					
		2/6/12	NG					
		8/7/12	Not Gauged					
MWD-17	4"	2/12/09	54.28	---	---	3,280.46	---	45-95
3334.74		8/4/09	54.13	---	---	3,280.61	98.65	
		2/2/10	54.91	---	---	3,279.83	---	
		8/2/10	55.03	---	---	3,279.71	---	
		4/11/11	53.20	---	---	3,281.54	---	
		8/8/11	53.04	---	---	3,281.70	98.47	
		2/6/12	52.90	---	---	3,281.84	---	
		8/7/12	52.75	---	---	3,281.99	---	

TABLE 5
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Well Diameter	Collection Date	Depth to Groundwater (ft TOC[1])	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation* (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs[2])
Water Wells								
WW-1 *3332.04*		2/2/09 8/17/09 8/2/10 4/11/11 8/8/11 2/6/12 8/7/12			NG NG NG NG NG NG Not Gauged			NA
WW-2 *3331.46*		2/2/09 8/17/09 2/2/10 8/2/10 4/11/11 8/8/11 2/6/12 8/7/12	49.91	---	--- NG NG NG NG NG NG Not Gauged	3,281.55	92.02	NA
WW-3 *3334.45*		2/2/09 8/17/09 2/2/10 2/2/10 8/2/10 4/11/11 8/8/11 2/6/12 8/7/12	52.69	---	--- NG NG NG NG NG NG NG Not Gauged	3,281.76	68.55	NA
WW-4 *3335.40*		2/3/09 8/17/09 2/2/10 2/2/10 8/2/10 4/11/11 8/8/11 2/6/12 8/7/12	55.95	---	--- NG NG NG NG NG NG NG Not Gauged	3,279.45	91.28	NA
WW-5 *3334.18*		2/3/09 8/17/09 2/2/10 8/2/10 4/11/11 8/8/11 2/6/12 8/7/12	53.30	---	--- NG NG NG NG NG NG Not Gauged	3,280.88	94.25	NA

TABLE 5
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Well Diameter	Collection Date	Depth to Groundwater (ft TOC[1])	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation* (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs[2])
WW-6		2/3/09	50.30	---	---	3,279.42	113.13	NA
3329.72		8/17/09			NG			
		2/2/10			NG			
		8/2/10			NG			
		4/11/11			NG			
		8/8/11			NG			
		2/6/12			NG			
		8/7/12			Not Gauged			
WW-7		2/2/09	50.95	---	---	3,280.78	60.03	NA
3331.73		8/17/09			NG			
		2/2/10			NG			
		8/2/10			NG			
		4/11/11			NG			
		8/8/11			NG			
		2/6/12			NG			
		8/7/12			Not Gauged			
Deep Chloride Recovery Wells								
MWD-3	4"	2/11/09			NG - Pump		92.00	42-92
3335.06		8/18/09			NG - Pump		---	
		2/2/10			NG - Pump		---	
		8/2/10			NG - Pump		---	
		4/11/11			NG - Pump		---	
		8/8/11			NG - Pump		---	
		2/6/12			NG - Pump		---	
		8/7/12			NG - Pump		---	
MWD-9	4"	2/11/09			NG - Pump		90.00	50-90
3333.45		8/17/09			NG - Pump		---	
		2/2/10			NG - Pump		---	
		8/2/10			NG - Pump		---	
		4/11/11			NG - Pump		---	
		8/8/11			NG - Pump		---	
		2/6/12			NG - Pump		---	
		8/7/12			NG - Pump		---	
RW-6	4"	2/11/09			NG - Pump		112.00	52-92
3332.37		8/17/09			NG - Pump		---	
		2/2/10			NG - Pump		---	
		8/2/10			NG - Pump		---	
		4/11/11			NG - Pump		---	
		8/8/11			NG - Pump		---	
		2/6/12			NG - Pump			
		8/7/12			NG - Pump			

TABLE 5
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Well Diameter	Collection Date	Depth to Groundwater (ft TOC[1])	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation* (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs[2])
RW-7	4"	2/11/09		NG - Pump			103.00	52-92
3331.23		8/17/09		NG - Pump			---	
		2/2/10		NG - Pump			---	
		8/2/10		NG - Pump			---	
		4/11/11		NG - Pump			---	
		8/8/11		NG - Pump			---	
		2/6/12		NG - Pump			---	
		8/7/12		NG - Pump			---	
RW-8	4"	2/11/09		NG - Pump			92.00	52-82
3333.39		8/17/09		NG - Pump			---	
		2/2/10		NG - Pump			---	
		8/2/10		NG - Pump			---	
		4/11/11		NG - Pump			---	
		8/8/11		NG - Pump			---	
		2/6/12		NG - Pump			---	
		8/7/12		NG - Pump			---	

Notes:

1. TOC - Top of Casing.
2. bgs - below ground surface.
3. NG - Not Gauged
4. LNAPL - Light non-aqueous phase liquid.
5. Groundwater elevations were corrected using well specific LNAPL specific gravities collected in August 2006 and August & September 2009.

TABLE 6
SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature oC	Conductivity (mS/cm)[1]	Oxidation Reduction Potential (mV)[2]	Dissolved Oxygen (mg/L)[3]
Shallow Monitor Wells						
MW-1	2/18/09	Not Sampled -- LNAPL				
	8/10/09	Not Sampled -- LNAPL				
	2/5/10	Not Sampled -- LNAPL				
	8/2/10	Not Sampled -- LNAPL				
	4/6/11	Not Sampled -- LNAPL				
	8/9/11	Not Sampled -- LNAPL				
	2/6/12	Not Sampled -- LNAPL				
	8/7/12	Not Sampled -- LNAPL				
MW-2	2/18/09	Not Sampled -- LNAPL				
	8/10/09	Not Sampled -- LNAPL				
	2/5/10	Not Sampled -- LNAPL				
	8/2/10	Not Sampled -- LNAPL				
	4/6/11	Not Sampled -- LNAPL				
	8/9/11	Not Sampled -- LNAPL				
	2/6/12	Not Sampled -- LNAPL				
	8/7/12	Not Sampled -- LNAPL				
MW-3	2/9/09	7.14	21.40	1,052	13.2	1.06
	8/13/09	7.61	21.36	1,117	95.1	0.16
	2/16/10	6.96	17.61	856	169.0	2.55
	8/10/10	7.42	26.43	1,085	-113.8	2.42
	4/7/11	7.42	20.12	1,030	93.8	2.16
	8/9/11	7.23	30.13	1,195	37.3	3.41
	2/10/12	7.41	18.15	937	-23.9	9.66
	8/9/12	7.06	25.58	1,187	-162.1	2.7
MW-4	2/11/09	6.50	20.91	13,367	-43.0	0.23
	8/12/09	6.80	22.26	8,961	-67.5	0.59
	2/12/10	6.81	17.40	6,879	49.4	2.99
	8/6/10	6.98	28.88	8,535	-191.3	0.30
	4/7/11			Not Sampled		
	8/10/11	6.73	31.01	1,074	-60.2	0.41
	2/14/12	8.00	21.04	13,330	-80.2	0.38
	8/10/12	6.63	24.27	8,771	-131.8	0.22
MW-6	2/5/09	7.02	21.36	18,355	-51.8	2.66
	8/7/09	6.94	22.05	4,111	-27.4	0.44
	2/9/10	--	13.24	3,192	-33.7	1.35
	8/5/10	7.68	26.97	5,208	-160.1	0.33
	4/6/11	7.13	29.73	4,395	-81.6	0.28
	8/9/11	7.12	26.58	4,733	-79.6	0.44
	2/9/12	7.11	18.86	4,335	-90.5	1.05
	8/10/12	6.77	22.47	7,900	-61	0.32

TABLE 6
SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature oC	Conductivity (mS/cm)[1]	Oxidation Reduction Potential (mV)[2]	Dissolved Oxygen (mg/L)[3]
MW-7	2/5/09	6.86	19.83	1,562	-104.1	0.64
	8/6/09	6.96	21.17	1,406	-108.5	0.21
	2/9/10	--	16.31	1,219	-114.2	1.37
	8/5/10	7.35	27.81	1,536	-155.9	0.52
	4/6/11	7.15	24.86	1,356	-116.5	0.91
	8/9/11	7.12	24.22	1,338	-103.1	0.42
	2/9/12	7.04	18.43	1,168	-125	1.29
	8/9/12	6.63	23.27	1,460	-97	0.45
MW-8	2/2/09	NA	NA	NA	NA	NA
	8/6/09	6.85	21.70	5,196	-97.7	0.54
	2/5/10	7.05	18.02	4,397	-80.8	2.22
	8/4/10	7.52	28.17	5,256	-198.5	0.30
	4/6/11	7.39	25.00	4,878	-112.3	0.32
	8/8/11	7.12	33.04	5,481	-48.2	0.33
	2/8/12	7.09	14.64	4,014	-87.7	1.54
	8/8/12	6.25	25.48	5,378	-165	0.2
DUP	8/8/12	6.25	25.48	5,378	-165	0.2
MW-9	2/12/09	6.98	20.62	2,818	-120.2	0.20
	8/14/09	6.76	21.50	1,950	-125.8	10.01
	2/16/10	6.98	17.70	2,083	-71.2	1.99
	8/23/10	7.47	28.39	2,586	-211.2	0.24
	4/7/11	7.36	23.84	2,992	-128.5	0.36
	8/10/11	6.87	27.76	2,721	-188.8	2.07
	2/9/12	7.67	18.5	3,059	-137.4	0.56
	8/8/12	7.05	21.54	2,601	-166.2	0.26
MW-10	2/18/09	Not Sampled -- LNAPL				
	8/10/09	Not Sampled -- LNAPL				
	2/5/10	Not Sampled -- LNAPL				
	8/2/10	Not Sampled -- LNAPL				
	4/6/11	Not Sampled -- LNAPL				
	8/9/11	Not Sampled -- LNAPL				
	2/6/12	Not Sampled -- LNAPL				
	8/7/12	Not Sampled -- LNAPL				
MW-11	2/18/09	Not Sampled -- No Access due to Demo work				
	8/10/09	Not Sampled -- LNAPL				
	2/17/10	6.74	18.73	1,986	98.2	1.17
	8/12/10	6.57	28.67	2,421	-190.7	0.27
	4/8/11	7.18	27.60	2,230	-101.8	0.19
	8/16/11	6.79	27.74	2,374	-126	1.80
	2/16/12	8.65	15.07	2,350	-125.4	1.04
	8/14/12	7.10	23.70	1,900	-126	0.25

TABLE 6
SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature oC	Conductivity (mS/cm)[1]	Oxidation Reduction Potential (mV)[2]	Dissolved Oxygen (mg/L)[3]
MW-12	2/18/09	Not Sampled -- LNAPL				
	8/10/09	Not Sampled -- LNAPL				
	2/5/10	Not Sampled -- LNAPL				
	8/2/10	Not Sampled -- LNAPL				
	4/6/11	Not Sampled -- LNAPL+C52				
	8/9/11	Not Sampled -- LNAPL				
	2/6/12	Not Sampled -- LNAPL				
	8/7/12	Not Sampled -- LNAPL				
MW-13	2/9/09	7.12	21.07	1,978	-124.6	0.87
	8/11/09	7.04	22.14	1,769	-105.9	0.34
	2/12/10	7.27	16.56	1,416	75.5	6.58
	8/6/10	7.73	25.14	1,655	-97.9	4.59
	4/6/11	7.34	26.08	1,856	-131.7	0.44
	8/15/11	7.23	25.72	1,983	-132	1.32
	2/8/12	7.28	16.94	2,093	-129.2	0.67
	8/9/12	7.2	24.63	1,909	-164.8	0.39
MW-14	2/9/09	6.95	20.29	2,222	43.0	0.51
	8/6/09	6.99	21.19	2,015	25.6	0.98
	2/5/10	7.05	18.75	2,051	86.8	2.64
	8/4/10	7.45	33.60	2,607	-144.0	0.97
	4/6/11	7.20	25.73	2,236	47.7	0.55
	8/8/11	5.71	27.48	2,445	116	0.18
	2/8/12	7.17	16.91	2,590	-24.5	0.62
	8/9/12	7.06	23.96	2,506	-164.6	0.43
MW-15	2/9/09	6.70	20.10	5,423	127.2	1.34
	8/12/09	6.79	22.12	6,136	87.0	1.22
	2/8/10	6.79	15.58	4,767	104.2	4.04
	8/9/10	7.33	23.32	4,232	-122.9	0.68
	4/7/11	7.02	21.18	6,408	154.0	0.38
	8/9/11	6.79	27.70	6,090	51	1.91
	2/15/12	8.15	15.36	180.6	-100.4	0.5
	8/13/12	7.8	20.80	4,600	43	0.30
MW-16	2/9/09	6.98	20.15	4,145	108.9	2.57
	8/6/09	6.75	21.88	5,071	16.3	0.50
	2/8/10	6.95	14.54	4,001	101.2	5.26
	8/4/10	7.32	30.90	5,842	-143.5	0.37
	4/7/11	7.28	19.97	5,265	184.7	1.33
	8/9/11	7.02	28.63	5,387	64	2.40
	2/15/12	7.02	17.72	4,884	-31.8	3.45
	8/13/12	7.4	21.85	5,300	60	1.32

TABLE 6
SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature oC	Conductivity (mS/cm)[1]	Oxidation Reduction Potential (mV)[2]	Dissolved Oxygen (mg/L)[3]
MW-17	2/11/09	6.80	19.80	12,653	41.9	0.33
	8/11/09	6.90	21.90	9,430	-47.7	0.56
	2/10/10	6.13	16.48	3,697	100.0	1.71
	8/6/10	7.36	25.57	8,495	-180.1	0.41
	4/7/11	6.22	22.57	3,113	121.0	0.54
	8/10/11	7.09	27.01	9,972	-52	0.25
	2/14/12	8.19	19.69	16,750	-82.5	0.53
	8/13/12	7.1	25.46	11,650	-236.0	0.32
MW-18	2/10/09	6.83	20.88	9,075	-3.6	7.73
	8/10/09	6.92	21.84	4,033	-18.8	1.21
	2/10/10	5.99	15.48	1,720	131.8	5.24
	8/5/10	7.35	29.87	4,706	-170.9	0.39
	4/7/11	7.25	23.54	3,727	80.8	0.40
	8/10/11	5.89	28.43	2,440	152	0.82
	2/13/12	7.17	18.41	3,243	-53.9	1.56
	8/9/12	7.35	25.37	2,509	-211.3	2.01
MW-19	2/18/09	Not Sampled -- LNAPL				
	8/10/09	Not Sampled -- LNAPL				
	2/5/10	Not Sampled -- LNAPL				
	8/10/10	8.64	30.07	12,350	-279.3	0.12
	4/6/11	Not Sampled -- LNAPL				
	8/10/11	No Access - Construction on Site				
	2/6/12	Not Sampled -- LNAPL				
	8/9/12	7.34	25.29	13,520	-156	0.12
DUP	8/9/12	7.34	25.29	13,520	-156	0.12
MW-21	2/18/09	Not Sampled -- LNAPL				
	8/10/09	Not Sampled -- LNAPL				
	2/16/10	Not Sampled -- LNAPL				
	8/11/10	8.23	27.06	3,787	-204.7	0.38
	4/6/11	Not Sampled -- LNAPL				
	8/10/11	No Access - Construction on Site				
	2/6/12	Not Sampled -- LNAPL				
	8/14/12	7.4	22.5	3,500	-160	0.05
MW-22	2/11/09	6.96	20.53	15,528	-160.3	0.07
	8/13/09	7.84	21.47	6,715	-163.7	3.79
	2/17/10	6.89	16.85	5,682	-43.5	1.50
	8/10/10	7.55	26.56	7,031	-252.7	0.20
	4/7/11	7.22	22.27	1,308	-117.8	0.22
	8/11/11	7.16	31.31	1,550	-159.0	0.11
	2/15/12	8.54	19.5	41.52	-102.5	0.3
	8/13/12	7.0	22.4	12,500	-109	0.53

TABLE 6
SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature oC	Conductivity (mS/cm)[1]	Oxidation Reduction Potential (mV)[2]	Dissolved Oxygen (mg/L)[3]
MW-23	2/11/09	6.35	20.73	29,443	116.7	0.65
	8/7/09	6.64	24.79	24,440	59.5	0.44
	2/9/10	6.90	13.64	18,140	34.6	1.51
	8/5/10	6.94	31.01	20,360	-106.5	1.35
	4/6/11	6.78	28.02	1,938	98.8	0.47
	8/9/11	6.31	28.03	1,714	68.0	2.64
	2/15/12	6.63	18.56	19,830	-40.1	1.27
	8/14/12	6.8	22.8	21,600	66	0.39
MW-24	2/18/09	7.07	21.78	2,689	-153.4	0.93
	8/10/09	Not Sampled -- LNAPL				
	2/16/10	6.84	16.89	1,633	118.5	1.46
	8/12/10	7.40	27.24	2,231	-219.3	0.54
	4/6/11	6.02	26.14	2,066	-54.8	0.74
	8/10/11	6.95	32.90	1,807	-154.8	0.21
	2/16/12	8.7	14.36	1,521	-138	0.66
	8/14/12	6.8	22.8	21,600	66	0.39
MW-25	2/12/09	7.69	22.10	1,038	-298.2	0.25
	8/14/09	8.28	21.20	4,753	-139.6	6.92
	2/17/10	7.55	17.13	8,179	75.6	0.60
	8/12/10	7.96	28.67	5,119	-250.6	0.19
	4/7/11	8.38	23.63	9,051	-190.5	0.18
	8/11/11	7.78	30.21	1,065	-151.0	0.06
	2/15/12	8.71	19.6	12,680	-122.9	0.17
	8/13/12	7.5	22.52	8,900	-158	0.75
MW-26	2/17/09	7.19	24.34	2,298	-162.5	0.48
	8/10/09	Not Sampled -- LNAPL				
	2/16/10	7.04	16.69	1,583	-57.7	1.72
	8/11/10	7.51	28.98	2,016	-215.5	0.16
	4/7/11	7.18	24.21	2,046	-122.5	0.36
	8/9/11	7.09	32.80	2,488	-138.8	0.18
	2/17/12	8.76	12.06	2,238	-103.4	1.15
	8/13/12	6.99	22.8	2,000	-111	0.22
MW-27	2/17/09	8.28	22.09	4,543	-263.1	0.48
	8/10/09	Not Sampled -- LNAPL				
	2/5/10	Not Sampled -- LNAPL				
	8/2/10	Not Sampled -- LNAPL				
	4/6/11	Not Sampled -- LNAPL				
	8/9/11	Not Sampled -- LNAPL				
	2/17/12	Not Sampled -- LNAPL				
	8/9/12	Not Sampled -- LNAPL				

TABLE 6
SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature oC	Conductivity (mS/cm)[1]	Oxidation Reduction Potential (mV)[2]	Dissolved Oxygen (mg/L)[3]
MW-29	2/4/09	7.01	19.78	3,153	-138.4	3.14
	8/13/09	6.91	20.87	7,140	-152.1	3.62
	2/15/10	6.85	17.37	1,867	-10.6	1.97
	8/23/10	7.46	29.62	2,211	-200.3	0.35
	4/7/11	7.59	22.03	2,293	-158.8	0.44
	8/10/11	7.05	29.01	2,517	-144.3	2.68
	2/9/12	7.7	17.87	2,250	-133.6	0.96
	8/8/12	7.05	25.37	2,020	-150.8	0.28
MW-30	2/4/09	7.05	19.96	1,868	-146.3	6.20
	8/13/09	7.31	22.27	1,731	-160.4	0.61
	2/15/10	7.17	17.68	1,639	-10.8	1.77
	8/23/10	7.70	30.44	2,081	-265.0	0.37
	4/6/11	6.89	26.45	2,436	-121.6	0.42
	8/10/11	7.03	25.48	2,458	-211.8	2.11
	2/8/12	7.03	15.84	1,774	-66.5	1.8
	8/9/12	7.26	21.45	2,000	-63	0.6
MW-31	2/9/09	6.99	20.30	2,312	-143.0	0.35
	8/14/09	6.79	20.88	2,230	-138.1	0.73
	2/15/10	7.18	16.99	1,841	-50.5	1.87
	8/10/10	7.47	26.17	2,269	-235.6	0.37
	4/7/11	7.38	23.55	2,851	-124.6	0.48
	8/15/11	6.94	23.81	2,607	-154.0	2.73
	2/8/12	7.12	17.82	3,014	-146.4	0.82
	8/9/12	7.07	22.05	2,287	-157.8	0.27
MW-32	2/4/09	7.12	20.43	6,754	-150.5	1.04
	8/12/09	7.65	20.85	5,112	-172.3	0.41
	2/12/10	7.12	17.16	4,084	-33.0	3.04
	8/9/10	7.49	25.08	5,409	-246.1	0.25
	4/6/11	6.92	26.17	6,523	-190.4	0.10
	8/10/11	7.05	30.42	6,449	-138.2	1.70
	2/8/12	7.07	14.87	4,133	-144.4	1.28
	8/8/12	7.26	25.93	5,247	-178	0.11
MW-34	2/4/09	7.37	21.92	974	-153.4	3.88
	8/13/09	7.92	20.86	1,136	-138.6	2.94
	2/16/10	6.22	16.61	1,235	164.8	2.12
	8/23/10	7.60	28.18	1,745	-149.9	0.92
	4/6/11	6.97	26.92	2,327	-137.5	0.47
	8/10/11	7.14	29.98	2,422	-143.8	1.73
	2/8/12	7.15	16.15	1,884	-150.1	1.12
	8/8/12	6.81	22.45	2,100	-87	0.34

TABLE 6
SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature oC	Conductivity (mS/cm)[1]	Oxidation Reduction Potential (mV)[2]	Dissolved Oxygen (mg/L)[3]
West Side Shallow LNAPL Recovery Wells						
RW-1	3/9/09	Not Sampled -- LNAPL				
	8/10/09	Not Sampled -- LNAPL				
	2/5/10	Not Sampled -- LNAPL				
	8/2/10	Not Sampled -- LNAPL				
	4/6/11	Not Sampled -- LNAPL				
	8/8/11	Not Sampled -- LNAPL				
	2/17/12	Not Sampled -- LNAPL				
	8/9/12	Not Sampled -- LNAPL				
RW-2	3/9/09	Not Sampled -- LNAPL				
	8/10/09	Not Sampled -- LNAPL				
	2/5/10	Not Sampled -- LNAPL				
	8/2/10	Not Sampled -- LNAPL				
	4/6/11	Not Sampled -- LNAPL				
	8/8/11	Not Sampled -- LNAPL				
	2/17/12	Not Sampled -- LNAPL				
	8/9/12	Not Sampled -- LNAPL				
RW-3	3/9/09	Not Sampled -- LNAPL				
	8/10/09	Not Sampled -- LNAPL				
	2/5/10	Not Sampled -- LNAPL				
	8/2/10	Not Sampled -- LNAPL				
	4/6/11	Not Sampled -- LNAPL				
	8/8/11	Not Sampled -- LNAPL				
	2/17/12	Not Sampled -- LNAPL				
	8/9/12	Not Sampled -- LNAPL				
RW-4	3/9/09	Not Sampled -- LNAPL				
	8/10/09	Not Sampled -- LNAPL				
	2/5/10	Not Sampled -- LNAPL				
	8/2/10	Not Sampled -- LNAPL				
	4/6/11	Not Sampled -- LNAPL				
	8/8/11	Not Sampled -- LNAPL				
	2/17/12	Not Sampled -- LNAPL				
	8/9/12	Not Sampled -- LNAPL				
RW-5	3/9/09	Not Sampled -- LNAPL				
	8/10/09	Not Sampled -- LNAPL				
	2/5/10	Not Sampled -- LNAPL				
	8/2/10	Not Sampled -- LNAPL				
	4/6/11	Not Sampled -- LNAPL				
	8/8/11	No Access - Construction on Site				
	2/17/12	Not Sampled -- LNAPL				
	8/9/12	Not Sampled -- LNAPL				

TABLE 6
SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature oC	Conductivity (mS/cm)[1]	Oxidation Reduction Potential (mV)[2]	Dissolved Oxygen (mg/L)[3]
MW-28	3/9/09	Not Sampled -- LNAPL				
	8/10/09	Not Sampled -- LNAPL				
	2/5/10	Not Sampled -- LNAPL				
	8/2/10	Not Sampled -- LNAPL				
	4/6/11	Not Sampled -- LNAPL				
	8/8/11	Not Sampled -- LNAPL				
	2/17/12	Not Sampled -- LNAPL				
	8/9/12	Not Sampled -- LNAPL				
East Side Shallow LNAPL Recovery Wells						
MW-5	3/9/09	Not Sampled -- LNAPL				
	8/10/09	Not Sampled -- LNAPL				
	2/5/10	Not Sampled -- LNAPL				
	8/2/10	Not Sampled -- LNAPL				
	4/6/11	No Access - Construction on Site				
	8/8/11	Not Sampled -- LNAPL				
	2/17/12	Not Sampled -- LNAPL				
	8/9/12	Not Sampled -- LNAPL				
MW-20	3/9/09	Not Sampled -- LNAPL				
	8/10/09	Not Sampled -- LNAPL				
	2/5/10	Not Sampled -- LNAPL				
	8/2/10	Not Sampled -- LNAPL				
	4/6/11	Not Sampled -- LNAPL				
	8/8/11	Not Sampled				
	2/17/12	Not Sampled -- LNAPL				
	8/9/12	Not Sampled -- LNAPL				
Temporary Monitor Wells						
TMW-1	2/10/09	6.76	21.31	4,854	-117.6	1.51
	8/12/09	6.68	22.43	2,845	-129.7	0.79
	2/12/10	7.02	18.82	1,620	-79.0	2.50
	8/9/10	7.32	25.40	1,855	-222.2	0.38
	4/6/11	6.37	25.79	5,811	-75.8	0.35
	8/9/11	6.67	30.69	6,097	-115.0	1.64
	2/15/12	8.09	19.03	5,562	-137.2	0.43
	8/9/12	6.78	28.51	4,270	-257.5	0.25

TABLE 6
SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature oC	Conductivity (mS/cm)[1]	Oxidation Reduction Potential (mV)[2]	Dissolved Oxygen (mg/L)[3]
TMW-2	2/18/09	Not Sampled -- LNAPL				
	8/10/09	Not Sampled -- LNAPL				
	2/5/10	Not Sampled -- LNAPL				
	8/2/10	Not Sampled -- LNAPL				
	4/6/11	Not Sampled -- LNAPL				
	8/9/11	Not Sampled -- LNAPL				
	2/17/12	Not Sampled -- LNAPL				
	8/9/12	Not Sampled -- LNAPL				
TMW-3	2/17/09	Not Sampled -- No Access				
	8/10/09	Not Sampled -- LNAPL				
	2/17/10	6.46	17.09	1,682	160.4	1.54
	8/12/10	7.54	26.26	1,874	-205	0.33
	4/8/11	7.40	21.91	1,769	-109.9	0.38
	8/16/11	7.03	26.18	2,810	-140	1.03
	2/15/12	8.3	19.52	4,079	-112.2	0.3
	8/14/12	7.1	23.7	1800	-134	0.36
TMW-5	2/18/09	7.68	21.24	14,560	-197.4	0.70
	8/10/09	7.21	21.99	9,539	-192.4	0.79
	2/10/10	7.61	14.55	6,864	-86.9	0.95
	8/11/10	8.03	29.02	8,386	-209.0	0.15
	4/7/11	7.46	24.02	9,166	-157.8	0.16
	8/9/11	7.42	32.47	1,149	-157.3	0.13
	2/6/12	Not Sampled -- LNAPL				
	8/7/12	Not Sampled -- LNAPL				
TMW-6	2/17/09	7.11	21.97	2,441	-173.8	0.36
	8/11/09	6.42	22.44	1,561	-126.5	0.45
	2/16/10	6.54	16.82	1,938	30.5	1.61
	8/11/10	Not Sampled				
	4/7/11	7.27	25.74	2,192	-150.7	0.12
	8/9/11	7.15	33.51	2,195	-150.1	0.06
	2/10/12	8.38	17.99	3,242	-170.6	0.43
	8/14/12	6.8	23.6	2,250	-125	0.19

Notes:

1. mS/cm - millisiemens per centimeter
2. mV - millivolts
3. mg/L - milligrams per liter
4. LNAPL - Light non-aqueous phase liquid
5. NA - Not Available

TABLE 7
SUMMARY OF GEOCHEMICAL PARAMETERS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature oC	Conductivity (mS/cm)[1]	Oxidation Reduction Potential (mV)[2]	Dissolved Oxygen (mg/L)[3]
Deep Monitor Wells						
MWD-1	2/11/09	6.59	20.04	28,584	96.3	0.52
	8/6/09	6.81	20.5	>25,000	NA	NA
	2/8/10	6.85	19.4	OR	NA	NA
	8/4/10	6.70	23.1	>19,999	NA	NA
	4/14/11	6.89	21.6	2,379	NA	NA
	8/17/11	6.76	22.9	2,400	125	NA
	2/13/12	7.66	18.08	6,910	-62.9	1.41
	8/13/12	6.86	25.39	20,950	-80.7	0.27
MWD-2	2/10/09	6.53	21.12	48,106	8.5	1.71
	8/12/09	6.6	22.07	45,460	NA	NA
	2/8/10	6.62	20.6	OR	NA	NA
	8/5/10	6.72	22.9	>19,999	NA	NA
	4/15/11	6.67	22.1	6,174	NA	NA
	8/17/11	6.75	22.6	6,312	-10	NA
	2/14/2012	7.92	21.56	13,350	-74	0.35
	8/10/2012	6.71	25.7	8,727	-133.7	0.2
MWD-4	2/5/09	6.94	19.16	1,734	-97.1	1.37
	8/6/09	7.25	20.2	2,500	NA	NA
	2/5/10	7.12	19.7	2,090	NA	NA
	8/20/10	7.07	21.1	1,849	NA	NA
	4/14/11	7.06	21.5	3,519	NA	NA
	8/17/11	7.30	22.4	3,248	-123	NA
	2/9/2012	7.13	18.21	1,196	-124	2.03
	8/9/2012	7.05	23.52	1,300	-104	0.27
MWD-5	2/12/09	7.18	20.64	6,266	-184.0	0.18
	8/12/09	8.93	21.66	7,454	NA	NA
	2/9/10	9.23	19.7	6,920	NA	NA
	8/6/10	7.49	23.1	7,490	NA	NA
	4/15/11	9.25	24.2	7,001	NA	NA
	8/15/11	7.29	22.2	6,500	-157	NA
	2/6/12			Not Sampled		
	8/8/2012	6.84	22.08	4,061	-161.4	0.33

TABLE 7
SUMMARY OF GEOCHEMICAL PARAMETERS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature oC	Conductivity (mS/cm)[1]	Oxidation Reduction Potential (mV)[2]	Dissolved Oxygen (mg/L)[3]
MWD-6	2/12/09	7.04	20.64	4,464	-110.3	0.24
	8/7/09	7.15	20.7	4,410	NA	NA
	2/5/10	7.08	20.2	4,310	NA	NA
	8/20/10	7.14	20.7	4,110	NA	NA
	4/15/11	7.20	20.8	4,275	NA	NA
	8/15/11	7.11	21.9	4,461	-123	NA
	2/9/2012	7.59	19.16	11,270	-123.4	0.48
	8/8/2012	6	22.5	2,800	-86	0.23
	8/8/2012	6	22.57	2,800	-86	0.23
MWD-7	2/11/09	6.63	20.35	22,974	120.4	0.3
	8/6/09	6.83	20.7	>25,000	NA	NA
	2/8/10	6.91	19.2	>25,000	NA	NA
	8/4/10	6.77	22.2	>19,999	NA	NA
	4/14/11	6.86	21.4	2,129	NA	NA
	8/17/11	6.90	22	2,135	66	NA
	2/16/2012	8.53	15.04	35,070	-87.9	0.66
	8/13/12	6.89	25.39	20,910	-240.6	0.24
MWD-8	2/10/09	6.74	20.80	30,339	40.8	5.03
	8/11/09	6.8	21.64	26,450	NA	NA
	2/8/10	6.89	19.7	OR	NA	NA
	8/5/10	6.89	22.3	>19,999	NA	NA
	4/15/11	6.94	22.1	3,923	NA	NA
	8/17/11	7.06	22.7	20	31	NA
	2/13/2012	5.97	16.13	1,722	21.4	6.05
	8/9/2012	7.1	26.6	3,652	-299	0.48
MWD-10	2/12/09	7.29	21.41	17,475	-214.5	1.17
	8/10/09	7.15	20.81	19,880	NA	NA
	2/9/10	7.56	20.2	OR	NA	NA
	4/14/11	Not Sampled -- LNAPL				
	8/19/11	7.46	21.8	1,594	-240	NA
	2/6/12	Not Sampled				
	8/7/12	Not Sampled				

TABLE 7
SUMMARY OF GEOCHEMICAL PARAMETERS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature oC	Conductivity (mS/cm)[1]	Oxidation Reduction Potential (mV)[2]	Dissolved Oxygen (mg/L)[3]
MWD-11	2/10/09	6.69	21.05	5,890	46.4	3.33
	8/12/09	6.82	21.04	8,436	NA	NA
	2/8/10	6.98	21	7,030	NA	NA
	8/5/10	6.84	23.1	6,950	NA	NA
	4/15/11	7.06	24.0	1,219	NA	NA
	8/19/11	7.04	22.0	4,939	106	NA
	2/10/2012	5.93	17.3	1,154	32.5	4.05
	8/9/2012	7.1	25.8	1,359	-216.9	3.22
DUP	8/9/2012	7.1	25.8	1,359	-216.9	3.22
MWD-12	2/17/09	7.15	21.37	14,395	-132.1	0.26
	8/6/09	7.3	20.2	13,510	NA	NA
	2/5/10	7.32	19.9	13,450	NA	NA
	8/4/10	7.32	22.3	12,640	NA	NA
	4/14/11	7.29	20.5	1,476	NA	NA
	8/17/11	7.38	21.5	1,394	-137	NA
	2/10/2012	8.2	18.71	35,900	-122.8	0.61
	8/9/2012	7	24.19	9,700	-147	0.21
MWD-13	2/5/09	7	21.06	19,253	33.4	1
	8/7/09	7.01	20.8	>25,000	NA	NA
	2/5/10	7.16	20.4	7,710	NA	NA
	8/20/10	7.38	20.8	6,080	NA	NA
	4/15/11	6.84	21.5	6,281	NA	NA
	8/17/11	7.03	22.4	2,752	65	NA
	2/9/2012	7.29	18.74	4,050	-35.3	3.94
	8/10/2012	6.8	24.08	7,600	33	0.23
MWD-14	2/12/09	7.53	20.65	25,350	-228.7	0.20
	8/10/09	7.50	51.58	35,180	NA	NA
	2/9/10	7.53	19.5	OR	NA	NA
	8/5/10	7.69	22.3	>19,999	NA	NA
	4/11/11			Not Sampled		
	8/19/11	7.71	21.2	2,445	-274	NA
	2/6/12			Not Sampled		
	8/9/2012	7.3	23.42	14,440	-228	0.11
MWD-15	2/12/09	7.07	20.84	46,968	-137.8	0.30
	8/12/09	7.28	21.86	53,110	NA	NA
	2/8/10	6.8	20.1	OR	NA	NA
	8/5/10	7.26	24.8	>19,999	NA	NA
	4/15/11	6.91	23.5	1,537	NA	NA
	8/19/11	7.25	21.6	1,733	-246	NA
	2/16/2012	6.96	17.93	4,625	-37.9	1.22
	8/10/2012	7.79	27.27	12,270	-272.7	0.06

TABLE 7
SUMMARY OF GEOCHEMICAL PARAMETERS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature oC	Conductivity (mS/cm)[1]	Oxidation Reduction Potential (mV)[2]	Dissolved Oxygen (mg/L)[3]
MWD-16	2/12/09	7.93	20.93	23,564	-305.3	0.59
	8/10/09	7.97	21.68	24,220	NA	NA
	2/9/10	8.12	20.2	>25,000	NA	NA
	8/5/10	8.19	23.7	14,100	NA	NA
	4/11/11	Not Sampled				
	8/19/11	No Access - Construction on Site				
	2/6/12	Not Sampled				
	8/7/12	Not Sampled				
MWD-17	2/12/09	6.90	20.24	74,077	-181.1	0.28
	8/12/09	7.15	21.51	92,460	NA	NA
	2/9/10	7.99	19.6	OR	NA	NA
	8/6/10	7.60	20.9	OR	NA	NA
	4/15/11	7.77	21.9	7,877	NA	NA
	8/16/11	7.20	23.6	8,998	-175	NA
	2/21/2012	8.81	18.95	25,420	-265.1	0.51
	8/14/12	7.6	22.4	20,000	-180	0.03
Water Wells						
WW-1	2/2/09	Not Sampled - No Access				
	8/10/09	Not Sampled - No Access				
	4/11/11	Not Sampled - No Access				
	8/16/11	Not Sampled - No Access				
	2/6/12	Not Sampled - No Access				
	8/7/12	Not Sampled - No Access				
WW-2	2/2/09	Not Sampled - No Access				
	8/10/09	Not Sampled - No Access				
	4/11/11	Not Sampled - No Access				
	8/16/11	Not Sampled - No Access				
	2/6/12	Not Sampled - No Access				
	8/7/12	Not Sampled - No Access				
WW-3	2/2/09	Not Sampled - No Access				
	8/10/09	Not Sampled - No Access				
	4/11/11	Not Sampled - No Access				
	8/16/11	Not Sampled - No Access				
	2/6/12	Not Sampled - No Access				
	8/7/12	Not Sampled - No Access				

TABLE 7
SUMMARY OF GEOCHEMICAL PARAMETERS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature oC	Conductivity (mS/cm)[1]	Oxidation Reduction Potential (mV)[2]	Dissolved Oxygen (mg/L)[3]
WW-4	2/3/09	Not Sampled - No Access				
	8/10/09	Not Sampled - No Access				
	4/11/11	Not Sampled - No Access				
	8/16/11	Not Sampled - No Access				
	2/6/12	Not Sampled - No Access				
	8/7/12	Not Sampled - No Access				
WW-5	2/3/09	Not Sampled - No Access				
	8/10/09	Not Sampled - No Access				
	4/11/11	Not Sampled - No Access				
	8/16/11	Not Sampled - No Access				
	2/6/12	Not Sampled - No Access				
	8/7/12	Not Sampled - No Access				
WW-6	2/3/09	Not Sampled - No Access				
	8/10/09	Not Sampled - No Access				
	4/11/11	Not Sampled - No Access				
	8/16/11	Not Sampled - No Access				
	2/6/12	Not Sampled - No Access				
	8/7/12	Not Sampled - No Access				
WW-7	2/2/09	Not Sampled - No Access				
	8/10/09	Not Sampled - No Access				
	4/11/11	Not Sampled - No Access				
	8/16/11	Not Sampled - No Access				
	2/6/12	Not Sampled - No Access				
	8/7/12	Not Sampled - No Access				
Deep Chloride Recovery Wells						
MWD-3	2/11/09	Not Sampled - Pump				
	8/18/09	Not Sampled - Pump				
	2/2/10	6.64	18.25	65,600	NA	NA
	8/3/10	6.57	21.8	>19,999	NA	NA
	4/11/11	Not Sampled - Pump				
	8/16/11	Not Sampled - Pump				
	2/6/12	Not Sampled - Pump				
	8/7/12	Not Sampled - Pump				

TABLE 7
SUMMARY OF GEOCHEMICAL PARAMETERS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature oC	Conductivity (mS/cm)[1]	Oxidation Reduction Potential (mV)[2]	Dissolved Oxygen (mg/L)[3]
MWD-9	2/11/09	Not Sampled - Pump				
	8/17/09	Not Sampled - Pump				
	2/2/10	6.58	17.53	41,920	NA	NA
	8/3/10	7.18	23	>19,999	NA	NA
	4/11/11	Not Sampled - Pump				
	8/16/11	Not Sampled - Pump				
	2/6/12	Not Sampled - Pump				
	8/7/12	Not Sampled - Pump				
RW-6	2/11/09	Not Sampled - Pump				
	8/17/09	Not Sampled - Pump				
	2/2/10	6.72	20.57	27,360	NA	NA
	8/3/10	6.47	20.9	>19,999	NA	NA
	4/11/11	Not Sampled - Pump				
	8/16/11	Not Sampled - Pump				
	2/6/12	Not Sampled - Pump				
	8/7/12	Not Sampled - Pump				
RW-7	2/11/09	Not Sampled - Pump				
	8/17/09	Not Sampled - Pump				
	2/2/10	6.48	118.6	88,440	NA	NA
	8/3/10	6.63	22.7	>19,999	NA	NA
	4/11/11	Not Sampled - Pump				
	8/16/11	Not Sampled - Pump				
	2/6/12	Not Sampled - Pump				
	8/7/12	Not Sampled - Pump				
RW-8	2/11/09	Not Sampled - Pump				
	8/17/09	Not Sampled - Pump				
	2/9/10	6.99	20.6	OR	NA	NA
	8/20/10	6.80	22.7	>19,999	NA	NA
	4/11/11	Not Sampled - Pump				
	8/16/11	Not Sampled - Pump				
	2/6/12	Not Sampled - Pump				
	8/7/12	Not Sampled - Pump				

Notes:

1. mS/cm - millisiemens per centimeter
2. mV - millivolts
3. mg/L - milligrams per liter
4. OR - Out of Range
5. NA - Not Analyzed
6. LNAPL - Light non-aqueous phase liquid

TABLE 8
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (ug/L)[3]	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
***NMWQCC Standard*[2]**		**10**	**750**	**750**	**620**
		Shallow Monitor Wells			
MW-1	2/18/09	Not Sampled – LNAPL			
	8/10/09	Not Sampled – LNAPL			
	2/5/10	Not Sampled – LNAPL			
	4/4/11	Not Sampled – LNAPL			
	8/8/11	Not Sampled – LNAPL			
	2/6/12	Not Sampled – LNAPL			
	8/7/12	Not Sampled – LNAPL			
MW-2	2/18/09	Not Sampled – LNAPL			
	8/10/09	Not Sampled – LNAPL			
	2/5/10	Not Sampled – LNAPL			
	4/4/11	Not Sampled – LNAPL			
	8/8/11	Not Sampled – LNAPL			
	2/6/12	Not Sampled – LNAPL			
	8/7/12	Not Sampled – LNAPL			
MW-3	2/9/09	**98**	<1.0	**31**	<3.0
	8/13/09	<1.0	<1.0	<1.0	<3.0
	2/16/10	<1.0	<1.0	<1.0	<3.0
	8/10/10	<1.0	<1.0	<1.0	<3.0
	4/7/11	<1.0	<1.0	<1.0	<3.0
DUP-3	4/7/11	<1.0	<1.0	<1.0	<3.0
	8/9/11	<1.0	<1.0	<1.0	<3.0
	2/10/12	<1.0	<1.0	<1.0	<3.0
	8/9/12	<1.0	<1.0	<1.0	<3.0
MW-4	2/11/09	**5.9**	<1.0	**4.7**	<3.0
DUP-2	2/11/09	**5.9**	<1.0	**4.8**	<3.0
	8/12/09	<1.0	<1.0	<1.0	<3.0
	2/12/10	<1.0	<1.0	<1.0	<3.0
	8/6/10	<1.0	<1.0	<1.0	<3.0
	4/6/11	Not Sampled			
	8/10/11	<1.0	<1.0	<1.0	<3.0
	2/14/12	<1.0	<1.0	<1.0	<3.0
	8/10/12	<1.0	<1.0	<1.0	<3.0
MW-6	2/5/09	**3.1**	<1.0	**7.6**	**6.7**
	8/7/09	<1.0	<1.0	<1.0	<3.0
	2/9/10	<1.0	<1.0	<1.0	<3.0
	8/5/10	<1.0	<1.0	<1.0	<3.0
	4/6/11	<1.0	<1.0	<1.0	<3.0
	8/9/11	<1.0	<1.0	<1.0	<3.0
	2/9/12	<1.0	<1.0	<1.0	<3.0
	8/10/12	<1.0	<1.0	<1.0	<3.0

TABLE 8
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (ug/L)[3]	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
NMWQCC Standard[2]		**10**	**750**	**750**	**620**
MW-7	2/5/09	**2.8**	**1.1**	**11**	**9**
	8/6/09	<1.0	<1.0	<1.0	<3.0
	2/9/10	<1.0	<1.0	<1.0	<3.0
	8/5/10	<1.0	<1.0	<1.0	<3.0
	4/6/11	<1.0	<1.0	<1.0	<3.0
	8/9/11	<1.0	<1.0	<1.0	<3.0
	2/9/12	<1.0	<1.0	<1.0	<3.0
	8/9/12	<1.0	<1.0	<1.0	<3.0
MW-8	2/2/09	Not Sampled			
	8/6/09	<1.0	<1.0	<1.0	<3.0
	2/5/10	<1.0	<1.0	<1.0	<3.0
	8/4/10	<1.0	<1.0	<1.0	<3.0
	4/6/11	<1.0	<1.0	<1.0	<3.0
	8/8/11	<1.0	<1.0	<1.0	<3.0
	2/8/12	<1.0	<1.0	<1.0	<3.0
	8/8/12	<1.0	<1.0	<1.0	<3.0
(Dup)	8/8/12	<1.0	<1.0	<1.0	<3.0
MW-9	2/12/09	**3,700**	**33**	**470**	**140**
	8/14/09	**1,600**	<1.0	**64**	<3.0
	2/15/10	**2,700**	**1.2**	**430**	**6**
	8/23/10	**1,500**	<5.0	**250**	<15
	4/7/11	**1,400**	<1.0	**270**	<3.0
	8/10/11	**610**	<1.0	**210**	**3.7**
	2/9/12	**220 J**	<1.0	**200 J**	**4.5 J**
	8/8/12	**16**	<1.0	**5.0**	<3.0
MW-10	2/18/09	Not Sampled -- LNAPL			
	8/10/09	Not Sampled -- LNAPL			
	4/4/11	Not Sampled -- LNAPL			
	8/8/11	Not Sampled -- LNAPL			
	2/6/12	Not Sampled -- LNAPL			
	8/7/12	Not Sampled -- LNAPL			
MW-11	2/18/09	Not Sampled -- No Access due to Demo work			
	8/10/09	Not Sampled -- LNAPL			
	2/17/10	**29,000**	<100	**710**	<300
	8/12/10	**17,000**	<50	**420**	<150
	4/8/11	**29,000**	<100	**480**	<300
	8/16/11	**32,000**	<50	**430**	<150
	2/16/12	**22,000**	<20	**420**	<60
	8/14/12	**20,000**	<100	**760**	<300

TABLE 8
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (ug/L)[3]	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
NMWQCC Standard[2]		**10**	**750**	**750**	**620**
MW-12	2/18/09	Not Sampled – LNAPL			
	8/10/09	Not Sampled – LNAPL			
	4/4/11	Not Sampled – LNAPL			
	8/8/11	Not Sampled – LNAPL			
	2/6/12	Not Sampled – LNAPL			
	8/7/12	Not Sampled – LNAPL			
MW-13	2/9/09	**5.5**	<1.0	**3.3**	**4.6**
	8/11/09	<5.0	<1.0	<1.0	<3.0
	2/12/10	<1.0	<1.0	<1.0	<3.0
	8/6/10	<1.0	<1.0	<1.0	<3.0
	4/6/11	<10	<1.0	<1.0	<3.1
	8/15/11	<1.0	<1.0	<1.0	<3.0
	2/8/12	**14**	<1.0	<1.0	<3.0
	8/9/12	<1.0	<1.0	<1.0	<3.0
MW-14	2/9/09	<1.0	<1.0	**2.4**	<3.0
	8/6/09	<1.0	<1.0	<1.0	<3.0
	2/5/10	<1.0	<1.0	<1.0	<3.0
	8/4/10	<1.0	<1.0	<1.0	<3.0
	4/6/11	<1.0	<1.0	<1.0	<3.1
	8/8/11	<1.0	<1.0	<1.0	<3.0
	2/8/12	<1.0	<1.0	<1.0	<3.0
	8/9/12	<1.0	<1.0	<1.0	<3.0
MW-15	2/9/09	**6.1**	<1.0	**3.7**	**3.2**
	8/12/09	**3.3**	<1.0	<1.0	<3.0
	2/8/10	<1.0	<1.0	<1.0	<3.0
	8/9/10	<1.0	<1.0	<1.0	<3.0
	4/7/11	**2.4**	<1.0	<1.0	<3.0
	8/9/11	**16**	<1.0	<1.0	<3.0
	2/15/12	**3.2**	<1.0	<1.0	<3.0
	8/13/12	**1.9**	<1.0	<1.0	<3.0
MW-16	2/9/09	**1.3**	<1.0	**3.6**	**3.2**
	8/6/09	<1.0	<1.0	<1.0	<3.0
	2/8/10	<1.0	<1.0	<1.0	<3.0
	8/4/10	<1.0	<1.0	<1.0	<3.0
	4/7/11	<1.0	<1.0	<1.0	<3.0
	8/9/11	<1.0	<1.0	<1.0	<3.0
	2/15/12	<1.0	<1.0	<1.0	<3.0
	8/13/12	<1.0	<1.0	<1.0	<3.0

TABLE 8
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (ug/L)[3]	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
NMWQCC Standard[2]		10	750	750	620
MW-17	2/11/09	4.5	<1.0	4.2	<3.0
	8/11/09	<1.0	<1.0	<1.0	<3.0
	2/10/10	<1.0	<1.0	<1.0	<3.0
	8/6/10	<1.0	<1.0	<1.0	<3.0
	4/7/11	<1.0	<1.0	<1.0	<3.0
	8/10/11	<1.0	<1.0	<1.0	<3.0
	2/14/12	<1.0	<1.0	<1.0	<3.0
	8/13/12	<1.0	<1.0	<1.0	<3.0
MW-18	2/10/09	4	<1.0	4.2	<3.0
	8/10/09	<1.0	<1.0	<1.0	<3.0
	2/10/10	<1.0	<1.0	<1.0	<3.0
	8/5/10	<1.0	<1.0	<1.0	<3.0
	4/7/11	<1.0	<1.0	<1.0	<3.0
	8/10/11	<1.0	<1.0	<1.0	<3.0
	2/13/12	<1.0	<1.0	<1.0	<3.0
	8/9/12	<1.0	<1.0	<1.0	<3.0
MW-19	2/18/09	Not Sampled – LNAPL			
	8/10/09	Not Sampled – LNAPL			
	8/10/09	Not Sampled – LNAPL			
	8/10/10	1,300	1.5	83	52
	4/4/11	Not Sampled – LNAPL			
	8/8/11	No Access - Construction on Site			
	2/6/12	Not Sampled – LNAPL			
	8/9/12	1,300 J	3.0 J	170 J	57 J
(Dup)	8/9/12	1,400 J	3.1 J	170 J	57 J
MW-21	2/18/09	Not Sampled – LNAPL			
	8/10/09	Not Sampled – LNAPL			
	8/10/09	Not Sampled – LNAPL			
	8/11/10	510	<1.0	140	22
	4/4/11	Not Sampled			
	8/8/11	No Access - Construction on Site			
	2/6/12	Not Sampled – LNAPL			
	8/14/12	490	2.2	250	33
MW-22	2/11/09	2,700	<10	66	43
	8/13/09	3,500	<10	130	<30
	2/17/10	19,000	<50	260	<150
	8/10/10	18,000	<50	260	<150
DUP	8/10/10	18,000	<50	230	<150
	4/7/11	1,900	<1.0	36	3.2
	8/11/11	7,500	<20	67	<60
	2/15/12	6,800	<5.0	6.9	<15
	8/13/12	8,700	<5.0	120	16

TABLE 8
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (ug/L)[3]	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
NMWQCC Standard[2]		10	750	750	620
MW-23	2/11/09	3.1	<1.0	2.7	<3.0
	8/7/09	<1.0	<1.0	<1.0	<3.0
	2/9/10	<1.0	<1.0	<1.0	<3.0
	8/5/10	<1.0	<1.0	<1.0	<3.0
	4/6/11	<1.0	<1.0	<1.0	<3.0
DUP-2	4/6/11	<1.0	<1.0	<1.0	<3.0
	8/9/11	<1.0	<1.0	<1.0	<3.0
	2/15/12	<1.0	<1.0	<1.0	<3.0
	8/14/12	13	<1.0	2.0	<3.0
MW-24	2/18/09	11,000	110	630	610
	8/10/09	Not Sample -- LNAPL			
	2/16/10	25,000	180	990	520
	8/12/10	23,000	100	1,100	530
	4/6/11	23,000	57	760	240
	8/10/11	26,000	74	840	260
	2/16/12	27,000	110	1,400	440
	8/13/12	28,000	85	1,500	500
MW-25	2/12/09	7,900	<25	560	<75
	8/14/09	8,200	<20	780	<60
	2/17/10	6,800	<5.0	770	16
	8/11/10	8,600	<20	860	<60
DUP	8/12/10	10,000	<5.0	890	15
	4/7/11	6,500	<20	740	<60
	8/11/11	6,700	<20	510	<60
	2/15/12	4,800	<5.0	750	34
	2/15/12	5,000	<5.0	730	34
	8/13/12	7,900	<5.0	970	41
MW-26	2/17/09	6,100	<20	350	78
	8/10/09	Not Sampled -- LNAPL			
	2/16/10	1,800	1.2	160	6
	8/11/10	1,700	1.8	150	22
	4/7/11	2,800	2.3	110	8.5
	8/9/11	3,300	<5.0	160	22
	2/17/12	2,300	2.0	120	16
	8/13/12	4,600	<5.0	230	32
MW-27	2/17/09	12,000	<50	1,300	420
	8/10/09	Not Sampled -- LNAPL			
	4/4/11	Not Sampled -- LNAPL			
	8/8/11	Not Sampled -- LNAPL			
	2/6/12	Not Sampled -- LNAPL			
	8/7/12	Not Sampled -- LNAPL			

TABLE 8
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (ug/L)[3]	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
NMWQCC Standard[2]		10	750	750	620
MW-29	2/4/09	490	5	170	140
	8/13/09	49	<1.0	51	29
	2/15/10	130	<1.0	190	58
DUP-1	2/15/10	120	<1.0	180	58
	8/23/10	78	1	59	33
	4/7/11	250	<1.0	510	3.7
	8/10/11	190	<5.0	230	<15
DUP-1	8/10/11	180	<1.0	230	<3.0
	2/9/12	100	<5.0	250	15
	8/8/12	130 J	1.5 J	170 J	30 J
MW-30	2/4/09	75	<1.0	10	<3.0
	8/13/09	1.9	<1.0	<1.0	<3.0
	2/15/10	1.4	<1.0	<1.0	<3.0
	8/23/10	<1.0	<1.0	<1.0	<3.0
	4/6/11	1.7	<1.0	<1.0	<3.0
	8/10/11	320	<1.0	7.3	<3.0
	2/8/12	<1.0	<1.0	<1.0	<3.0
	8/9/12	1.5	<1.0	<1.0	<3.0
MW-31	2/9/09	3,700	1.9	330	6.7
	8/14/09	2,000	<5.0	180	<15
	2/15/10	1,700	<1.0	190	3
	8/10/10	1,400	<1.0	130	4.7
	4/7/11	1,300	<1.0	200	<3.0
	8/15/11	1,300	<5.0	190	<15
	2/8/12	230	<1.0	190	4.5
	8/9/12	340 J	<1.0	190 J	10 J
MW-32	2/4/09	20	1.2	17	14
	8/12/09	2.8	<1.0	<1.0	<3.0
	2/12/10	<1.0	<1.0	<1.0	<3.0
	8/9/10	38	2.8	25	8.6
	4/6/11	43	1.3	16	<3.0
	8/10/11	99	1.8	19	5.5
	2/8/12	400	1.4	13	12
	8/8/12	1,400 J	1.8 J	7.3 J	21 J
MW-34	2/4/09	84	34	240	240
	8/13/09	26	17	150	210
	2/16/10	28	17	120	180
	8/23/10	<50	1.2	81	90
	4/6/11	170	9.9	160	190
	8/10/11	160	5.6	200	250
DUP-2	8/10/11	160	7.4	200	250
	2/8/12	560	2.4	180	190
	8/8/12	1,100	1.2	120	100

TABLE 8
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (ug/L)[3]	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
NMWQCC Standard [2]		**10**	**750**	**750**	**620**
West Side Shallow LNAPL Recovery Wells					
RW-1	3/9/09	Not Sampled -- LNAPL			
	8/10/09	Not Sampled -- LNAPL			
	4/4/11	Not Sampled -- LNAPL			
	8/8/11	Not Sampled -- LNAPL			
	2/6/12	Not Sampled -- LNAPL			
	8/14/12	Not Sampled -- LNAPL			
RW-2	3/9/09	Not Sampled -- LNAPL			
	8/10/09	Not Sampled -- LNAPL			
	4/4/11	Not Sampled -- LNAPL			
	8/8/11	Not Sampled -- LNAPL			
	2/6/12	Not Sampled -- LNAPL			
	8/14/12	Not Sampled -- LNAPL			
RW-3	3/9/09	Not Sampled -- LNAPL			
	8/10/09	Not Sampled -- LNAPL			
	4/4/11	Not Sampled -- LNAPL			
	8/8/11	Not Sampled -- LNAPL			
	2/6/12	Not Sampled -- LNAPL			
	8/14/12	Not Sampled -- LNAPL			
RW-4	3/9/09	Not Sampled -- LNAPL			
	8/10/09	Not Sampled -- LNAPL			
	4/4/11	Not Sampled -- LNAPL			
	8/8/11	Not Sampled -- LNAPL			
	2/6/12	Not Sampled -- LNAPL			
	8/14/12	Not Sampled -- LNAPL			
RW-5	3/9/09	Not Sampled -- LNAPL			
	8/10/09	Not Sampled -- LNAPL			
	4/4/11	Not Sampled -- LNAPL			
	8/8/11	Not Sampled -- LNAPL			
	2/6/12	Not Sampled -- LNAPL			
	8/14/12	Not Sampled -- LNAPL			
MW-28	3/9/09	Not Sampled -- LNAPL			
	8/10/09	Not Sampled -- LNAPL			
	4/4/11	Not Sampled -- LNAPL			
	8/8/11	Not Sampled -- LNAPL			
	2/6/12	Not Sampled -- LNAPL			
	8/14/12	Not Sampled -- LNAPL			

TABLE 8
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (ug/L)[3]	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
NMWQCC Standard[2]		**10**	**750**	**750**	**620**
East Side Shallow LNAPL Recovery Wells					
MW-5	3/9/09	Not Sampled -- LNAPL			
	8/10/09	Not Sampled -- LNAPL			
	4/4/11	No Access - Construction on Site			
	8/8/11	Not Sampled -- LNAPL			
	2/6/12	Not Sampled -- LNAPL			
	8/7/12	Not Sampled -- LNAPL			
MW-20	3/9/09	Not Sampled -- LNAPL			
	8/10/09	Not Sampled -- LNAPL			
	4/4/11	Not Sampled -- LNAPL			
	8/8/11	Not Sampled -- LNAPL			
	2/6/12	Not Sampled -- LNAPL			
	8/7/12	Not Sampled -- LNAPL			
Shallow Temporary Monitor Wells					
TMW-1	2/10/09	**18**	**1.8**	**9.7**	**3.7**
	8/12/09	<1.0	<1.0	<1.0	<3.0
	2/12/10	**34**	**1.1**	**1.3**	**6.1**
	8/9/10	**9**	<1.0	<1.0	**4.4**
	4/6/11	<1.0	<1.0	<1.0	<3.0
	8/9/11	<1.0	<1.0	<1.0	<3.0
	2/15/12	<1.0	<1.0	<1.0	<3.0
	8/9/12	<1.0	<1.0	<1.0	<3.0
TMW-2	2/18/09	Not Sampled -- LNAPL			
	8/10/09	Not Sampled -- LNAPL			
	4/4/11	Not Sampled -- LNAPL			
	8/8/11	Not Sampled -- LNAPL			
	2/6/12	Not Sampled -- LNAPL			
	8/6/12	Not Sampled -- LNAPL			
TMW-3	2/17/09	Not Sampled -- No Access			
	8/10/09	Not Sampled -- LNAPL			
	2/17/10	**4**	<1.0	**0.2**	<3.0
	8/12/10	**3**	<1.0	**2.2**	**9.3**
	4/8/11	**4.3**	<1.0	**1.6**	<3.0
	8/16/11	**1.8**	<1.0	<1.0	<3.0
	2/15/12	<1.0	<1.0	<1.0	<3.0
	8/14/12	**6.6**	<1.0	**3.1**	**9.2**

TABLE 8
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (ug/L)[3]	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
NMWQCC Standard[2]		**10**	**750**	**750**	**620**
TMW-5	2/18/09	**2,200**	**7.2**	**110**	**41**
	8/10/09	**4,700**	**1.2**	**140**	**5.3**
	2/10/10	**4,400**	<1.0	**210**	**15**
	8/11/10	**2,800**	<10	**180**	<30
	8/11/10	**3,100**	**1.2**	**190**	**5**
	4/7/11	**1,900**	<1.0	**180**	**3.4**
	8/9/11	**1,400**	<1.0	**100**	**15**
	2/6/12	Not Sampled			
	8/7/12	Not Sampled			
TMW-6	2/17/09	**3,700**	<25	**420**	**210**
	8/11/09	**3,800**	**2.1**	**200**	**8.5**
	2/16/10	**2,600**	**1.5**	**350**	**11**
	4/7/11	**2,500**	<1.0	**310**	**4.8**
	8/9/2011	**4,700**	2.8	**400**	**25**
	2/10/12	**600**	**6.3**	**140**	**29**
	8/14/12	**4,900**	<5.0	**640**	**29**

Notes:

1. BTEX analyzed by EPA Method 8021B.
2. New Mexico Water Quality Control Commission (NMWQCC) Standards 20.6.2.3103.A
3. ug/L (ppb) - micrograms per liter (parts per billion)
4. LNAPL - Light non-aqueous phase liquid
5. Bold indicates that a COC was detected.
6. Shading indicates that a detected result exceeded the NMWQCC Standard.

TABLE 9
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (ug/L)[3]	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
NMWQCC Standard [2]		**10**	**750**	**750**	**620**
		Deep Monitor Wells			
MWD-1	2/11/09	**3.7**	<1.0	**3.1**	<3.0
	8/6/09	**1.9**	<1.0	<1.0	<3.0
	2/8/10	**1.2**	<1.0	<1.0	<3.0
	8/4/10	**5**	<1.0	<1.0	<3.0
	4/14/11	**4.5**	<1.0	<1.0	<3.0
	8/17/11	**5.4**	<1.0	**1.9**	<3.0
	2/13/12	<1.0	<1.0	<1.0	<3.0
	2/13/12	<1.0	<1.0	<1.0	<3.0
	8/13/12	<1.0	<1.0	<1.0	<3.0
MWD-2	2/10/09	**6.2**	**1**	**3.6**	<3.0
	8/12/09	**3.5**	<1.0	**1.2**	<3.0
	2/8/10	**1.6**	<1.0	<1.0	<3.0
	8/5/10	**1.4**	<1.0	<1.0	<3.0
DUP	8/5/10	**1.6**	<1.0	<1.0	<3.0
	4/15/11	**7.8**	<1.0	<1.0	<3.0
	8/17/11	**2.6**	<1.0	<1.0	<3.0
	2/14/12	<1.0	<1.0	<1.0	<3.0
	8/10/12	<1.0	<1.0	<1.0	<3.0
MWD-4	2/5/09	**2.8**	**1**	**11**	**9.2**
	8/6/09	**1**	<1.0	<1.0	<3.0
	2/5/10	**8.1**	<1.0	**1.3**	<3.0
	8/20/10	<1.0	<1.0	<1.0	<3.0
	4/14/11	**4.5**	<1.0	**1.4**	<3.0
	8/17/11	**5.7**	<1.0	**2.4**	<3.0
	2/9/12	<1.0	<1.0	<1.0	<3.0
	8/9/12	<1.0	<1.0	<1.0	<3.0
MWD-5	2/12/09	**5,000**	**63**	**470**	**110**
	8/12/09	**5,700**	<250	<250	<750
	2/9/10	**4,800**	<400	<250	<750
	8/6/10	**3,500**	**1.8**	**280**	**58**
	4/15/11	**4,600**	<250	**420**	<750
	8/15/11	**4,400**	**56**	**450**	**49**
	2/6/12	Not Sampled			
	8/8/12	**5,000**	<25	**200**	**150**

TABLE 9
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (ug/L)[3]	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
NMWQCC Standard[2]		**10**	**750**	**750**	**620**
MWD-6	2/12/09	**5.8**	<1.0	**8.3**	<3.0
	8/7/09	**71**	<1.0	**61**	**4.9**
DUP-1	8/7/09	**69**	<1.0	**59**	<6.0
	2/5/10	**370**	<1.0	**43**	**6.1**
	8/20/10	**160**	<1.0	**44**	**6.5**
	4/15/11	**270**	<1.0	**2.9**	<3.0
	8/15/11	**170**	<1.0	**100**	**4.0**
	2/9/12	**1.9**	<1.0	<1.0	<3.0
	8/8/12	**84**	<1.0	**21**	**3.7**
DUP	8/8/12	**86**	<1.0	**26**	**3.9**
MWD-7	2/11/09	**2.3**	<1.0	**2.8**	<3.0
	8/6/09	**2.9**	<1.0	<1.0	<3.0
	2/8/10	<1.0	<1.0	<1.0	<3.0
	8/4/10	**11**	<1.0	**1.2**	<3.0
	4/14/11	**9.4**	<1.0	**2.3**	<3.0
	8/17/11	**4.5**	<1.0	**1.8**	<3.0
	2/16/12	<1.0	<1.0	<1.0	<3.0
	8/13/12	<1.0	<1.0	<1.0	<3.0
MWD-8	2/10/09	**7**	**1.4**	**4.8**	<3.0
	8/11/09	**3.3**	<1.0	**2.2**	**4.7**
	2/8/10	**1.2**	<1.0	<1.0	<3.0
	8/5/10	**1.1**	<1.0	<1.0	<3.0
	4/15/11	**4.1**	<1.0	<1.0	<3.0
	8/17/11	**4.4**	<1.0	**1.8**	<3.0
	2/13/12	<1.0	<1.0	<1.0	<3.0
	8/9/12	<1.0	<1.0	<1.0	<3.0
MWD-10	2/12/09	**700**	<1.0	**100**	**18**
	8/10/09	**700**	<1.0	**67**	**13**
DUP-2	8/10/09	**700**	1.1	**70**	**14**
	2/9/10	**1,100**	<1.0	**40**	<3.0
	4/15/11	Not Sampled - LNAPL			
	8/19/11	**810**	<1.0	**76**	**8.5**
	2/6/12	Not Sampled			
	8/7/12	Not Sampled			

TABLE 9
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (ug/L)[3]	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
NMWQCC Standard[2]		10	750	750	620
MWD-11	2/10/09	13	3.8	6.6	<3.0
	8/12/09	3.5	<1.0	1.2	<3.0
	2/8/10	<1.0	<1.0	<1.0	<3.0
	8/5/10	<1.0	<1.0	<1.0	<3.0
	4/15/11	4.2	<1.0	<1.0	<3.0
DUP-4	4/15/11	4.3	<1.0	<1.0	<3.0
	8/19/11	4.0	<1.0	1.4	<3.0
DUP-3	8/19/11	3.4	<1.0	1.4	<3.0
	2/10/12	<1.0	<1.0	<1.0	<3.0
	8/9/12	<1.0	<1.0	<1.0	<3.0
DUP	8/9/12	<1.0	<1.0	<1.0	<3.0
MWD-12	2/10/09	900	<5.0	69	25
	8/6/09	660	1.5	41	12
	2/5/10	700	1.2	51	12
	8/4/10	640	1.2	40	9.3
	4/14/11	780	1.3	57	13
	8/17/11	720	1.9	49	12
	2/10/12	1.7	<1.0	<1.0	<3.0
	8/9/12	1,000	1.1	45	13
MWD-13	2/5/09	1.2	<1.0	3.6	3.1
DUP-1	2/5/09	1.2	<1.0	3.6	3.1
	8/7/09	1.1	<1.0	<1.0	<3.0
	2/5/10	2.7	<1.0	<1.0	<3.0
	8/20/10	<1.0	<1.0	<1.0	<3.0
	4/15/11	3.6	<1.0	<1.0	<3.0
	8/17/11	9.8	<1.0	2.9	<3.0
	2/9/12	<1.0	<1.0	<1.0	<3.0
	8/10/12	<1.0	<1.0	<1.0	<3.0
MWD-14	2/12/09	1,400	<5.0	16	<15
	8/10/09	1,600	1.6	31	18
	2/9/10	1,400	<1.0	13	7.8
	8/5/10	1,300	<1.0	31	20
	4/15/11	Not Sampled			
	8/19/11	730 E	1.4	11	17
DUP-4	8/19/11	1,400	1.2	12	18
	2/17/12	1,200	<1.0	100	74
DUP-4	2/17/12	1,300	<5.0	98	66
	8/9/12	1,600 J	1.0 J	190 J	100 J

TABLE 9
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (ug/L)[3]	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
NMWQCC Standard [2]		**10**	**750**	**750**	**620**
MWD-15	2/12/09	**440**	**1.4**	**210**	**56**
DUP-3	2/12/09	**420**	**1.4**	**210**	**55**
	8/12/09	**300**	**1.1**	**120**	**29**
	2/8/10	**360**	<1.0	**23**	**4.6**
	8/5/10	**240**	<1.0	**28**	<5.0
	4/15/11	**280**	**1.3**	**14**	<3.0
	8/19/11	**150**	<1.0	**93**	**64**
	2/17/12	<230	**1.0**	7.6	<3.0
	8/9/12	<1.0	<1.0	2.3	**8.9**
MWD-16	2/12/09	**770**	**1.6**	**300**	**170**
	8/10/09	**660**	**2.1**	**280**	**160**
	2/9/10	**760**	**2**	**340**	**180**
	8/5/10	**700**	**1.9**	**280**	**140**
	4/4/11	Not Sampled			
	8/8/11	No Access - Construction on Site			
	2/6/12	Not Sampled			
	8/7/12	Not Sampled			
MWD-17	2/12/09	**2,400**	<5.0	**34**	**22**
	8/12/09	**3,200**	**7**	**68**	**45**
	2/9/10	**1,800**	**4.6**	**100**	**37**
	8/6/10	**2,100**	<5.0	**71**	**36**
	4/15/11	**1,900**	<5.0	**110**	**38**
	8/16/11	**2,200**	**4.0**	**140**	**54**
	2/21/12	**1,500**	<1.0 J	**220**	<3.0 J
	8/14/12	**1,200**	**1.2**	**47**	**15**
Water Wells					
WW-1	2/2/09	Not Sampled			
	8/10/09	Not Sampled			
	2/9/10	Not Sampled			
	8/6/10	Not Sampled			
	4/15/11	Not Sampled			
	8/9/11	Not Sampled			
	2/6/12	Not Sampled			
	8/7/12	Not Sampled			

TABLE 9
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (ug/L)[3]	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
NMWQCC Standard[2]		10	750	750	620
WW-2	2/2/09	Not Sampled			
	8/10/09	Not Sampled			
	2/9/10	Not Sampled			
	8/6/10	Not Sampled			
	4/15/11	Not Sampled			
	8/9/11	Not Sampled			
	2/6/12	Not Sampled			
	8/7/12	Not Sampled			
WW-3	2/2/09	Not Sampled			
	8/10/09	Not Sampled			
	2/9/10	Not Sampled			
	8/6/10	Not Sampled			
	4/15/11	Not Sampled			
	8/9/11	Not Sampled			
	2/6/12	Not Sampled			
	8/7/12	Not Sampled			
WW-4	2/3/09	Not Sampled			
	8/10/09	Not Sampled			
	2/9/10	Not Sampled			
	8/6/10	Not Sampled			
	4/15/11	Not Sampled			
	8/9/11	Not Sampled			
	2/6/12	Not Sampled			
	8/7/12	Not Sampled			
WW-5	2/3/09	Not Sampled			
	8/10/09	Not Sampled			
	2/9/10	Not Sampled			
	8/6/10	Not Sampled			
	4/15/11	Not Sampled			
	8/9/11	Not Sampled			
	2/6/12	Not Sampled			
	8/7/12	Not Sampled			
WW-6	2/3/09	Not Sampled			
	8/10/09	Not Sampled			
	2/9/10	Not Sampled			
	8/6/10	Not Sampled			
	4/15/11	Not Sampled			
	8/9/11	Not Sampled			
	2/6/12	Not Sampled			
	8/7/12	Not Sampled			

TABLE 9
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (ug/L)[3]	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
***NMWQCC Standard*[2]**		**10**	**750**	**750**	**620**
WW-7	2/2/09	Not Sampled			
	8/10/09	Not Sampled			
	2/9/10	Not Sampled			
	8/6/10	Not Sampled			
	4/15/11	Not Sampled			
	8/9/11	Not Sampled			
	2/6/12	Not Sampled			
	8/7/12	Not Sampled			
Deep Chloride Recovery Wells					
MWD-3	2/11/09	**4,100**	<20	**160**	**87**
	8/18/09	**4,100**	<10	**120**	<30
	2/2/10	**2,400**	**9.5**	**88**	**44**
	8/3/10	**2,100**	<10	**81**	**32**
	4/15/11	Not Sampled - Pump			
	8/9/11	Not Sampled - Pump			
	2/6/12	Not Sampled - Pump			
	8/7/12	Not Sampled - Pump			
MWD-9	2/11/09	**10**	<1.0	**1.4**	<3.0
	8/17/09	**13**	<1.0	**1**	<3.0
	2/2/10	**15**	<1.0	**1.2**	<3.0
	8/3/10	**8.6**	<5.0	<5.0	<15
	4/15/11	Not Sampled - Pump			
	8/9/11	Not Sampled - Pump			
	2/6/12	Not Sampled - Pump			
	8/7/12	Not Sampled - Pump			
RW-6	2/11/09	**15**	**4.9**	**4.8**	**7.4**
	8/17/09	**23**	**7.8**	**9.5**	**11**
	2/2/10	**16**	**3.6**	**4**	**6.7**
	8/3/10	**30**	**4.6**	**8.5**	**19**
	4/15/11	Not Sampled - Pump			
	8/9/11	Not Sampled - Pump			
	2/6/12	Not Sampled - Pump			
	8/7/12	Not Sampled - Pump			

TABLE 9
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (ug/L)[3]	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
NMWQCC Standard[2]		10	750	750	620
RW-7	2/12/09	**13**	**5.3**	**3.7**	**3.4**
	8/17/09	**17**	**1.5**	**4.5**	**3.8**
	2/2/10	**16**	**1.3**	**5.7**	**4.6**
	8/3/10	**18**	<1.0	**3.5**	**18**
	4/15/11	Not Sampled - Pump			
	8/9/11	Not Sampled - Pump			
	2/6/12	Not Sampled - Pump			
	8/7/12	Not Sampled - Pump			
RW-8	2/12/09	**95**	**5**	**19**	**220**
	10/1/09	**19**	**1.4**	**7.1**	**110**
	2/9/10	**57**	**2.4**	**23**	**190**
	8/20/10	**17**	<1.0	**2.7**	<3.0
	4/15/11	Not Sampled - Pump			
	8/9/11	Not Sampled - Pump			
	2/6/12	Not Sampled - Pump			
	8/7/12	Not Sampled - Pump			

Notes:

1. BTEX analyzed by EPA Method 8021B.
2. New Mexico Water Quality Control Commission (NMWQCC) Standards 20.6.2.3103.A
3. ug/L (ppb) - micrograms per liter (parts per billion)
4. NA - Not Analyzed
5. LNAPL - Light non-aqueous phase liquid
6. Bold indicates that a COC was detected.
7. Shading indicates that a detected result exceeded the NMWQCC Standard.

TABLE 10
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE & TDS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride[1] (mg/L)	Total Dissolved Solids[2] (mg/L)
NMWQCC Standard[3]		250	1,000
Shallow Monitor Wells			
MW-1	2/18/09	Not Sampled -- LNAPL	
	8/10/09	Not Sampled -- LNAPL	
	4/4/11	Not Sampled -- LNAPL	
	8/8/11	Not Sampled -- LNAPL	
	2/6/12	Not Sampled -- LNAPL	
	8/7/12	Not Sampled -- LNAPL	
MW-2	2/18/09	Not Sampled -- LNAPL	
	8/10/09	Not Sampled -- LNAPL	
	4/4/11	Not Sampled -- LNAPL	
	8/8/11	Not Sampled -- LNAPL	
	2/6/12	Not Sampled -- LNAPL	
	8/7/12	Not Sampled -- LNAPL	
MW-3	2/9/09	110	685
	8/13/09	423	706
	2/16/10	86.7	667
	8/10/10	95	694
	4/7/11	120	675
DUP-3	4/7/11	98.1	706
	8/9/11	134	784
	2/10/12	105	740
	8/9/12	133	744
MW-4	2/11/09	4,190	9,220
DUP-2	2/11/09	4,900	9,800
	8/12/09	3,600	6,940
	2/12/10	3,480	5,790
	8/6/10	3,100	6,110
	4/6/11	Not Sampled	
	8/10/11	3,610	6,680
	2/14/12	1,180	8,480
	8/10/12	3,230 J	6,090
MW-6	2/5/09	5,050	10,700
	8/7/09	748	3,160
	2/9/10	867	2,950
	8/5/10	1,070	3,940
	4/6/11	913	2,940
	8/9/11	973	3,180
	2/9/12	1,050	3,400
	8/10/12	2,190 J	5,980

TABLE 10
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE & TDS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride[1] (mg/L)	Total Dissolved Solids[2] (mg/L)
NMWQCC Standard[3]		250	1,000
MW-7	2/5/09	97.1	1,060
	8/6/09	51.3	1,010
	2/9/10	38.4	1,000
	8/5/10	33.6	1,030
	4/6/11	101	894
	8/9/11	35.7	876
	2/9/12	40.9	884
	8/9/12	71.1	1,040
MW-8	2/2/09	Not Sampled	
	8/6/09	1,310	4,010
	2/5/10	1,230	3,710
	8/4/10	1,420	3,690
	4/6/11	1,230	3,270
	8/8/11	1,250	3,130
	2/8/12	1,350	3,420
	8/8/12	1,260	3,280
DUP	8/8/12	1,310 J	3,380
MW-9	2/12/09	560	1,720
	8/14/09	802	1,540
	2/15/10	536	1,640
	8/23/10	583	1,680
	4/7/11	608	1,640
	8/10/11	544	1,710
	2/9/12	525	1,680
	8/8/12	492	1,730
MW-10	2/18/09	Not Sampled -- LNAPL	
	8/10/09	Not Sampled -- LNAPL	
	4/4/11	Not Sampled -- LNAPL	
	8/8/11	Not Sampled -- LNAPL	
	2/6/12	Not Sampled -- LNAPL	
	8/7/12	Not Sampled -- LNAPL	
MW-11	2/18/09	Not Sampled -- No Access	
	8/10/09	Not Sampled -- LNAPL	
	2/17/10	337	1,410
	8/12/10	406	1,540
	4/8/11	425	1,550
	8/16/11	422	1,350
	2/16/12	260	1,390
	8/14/12	304 J	1,200

TABLE 10
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE & TDS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride[1] (mg/L)	Total Dissolved Solids[2] (mg/L)
NMWQCC Standard[3]		250	1,000
MW-12	2/18/09	Not Sampled -- LNAPL	
	8/10/09	Not Sampled -- LNAPL	
	4/4/11	Not Sampled -- LNAPL	
	8/8/11	Not Sampled -- LNAPL	
	2/6/12	Not Sampled -- LNAPL	
	8/7/12	Not Sampled -- LNAPL	
MW-13	2/9/09	374	1,170
	8/11/09	340	1,160
	2/12/10	562	1,100
	8/6/10	337	1,010
	4/6/11	426	1,120
	8/15/11	454	1,080
	2/8/12	379	1,090
	8/9/12	439	1,140
MW-14	2/9/09	421	1,280
	8/6/09	429	1,500
	2/5/10	573	1,550
	8/4/10	485	1,540
	4/6/11	512	1,460
	8/8/11	595	1,750
	2/8/12	475	1,620
	8/9/12	553	1,760
MW-15	2/9/09	2,370	5,250
	8/12/09	2,560	4,810
	2/8/10	1,970	4,520
	8/9/10	1,270	3,230
	4/7/11	3,310	4,260
	8/9/11	1,840	3,820
	2/15/12	1,020	3,190
	2/15/12	778	3,620
	8/13/12	1,540 J	3,000
MW-16	2/9/09	1,830	3,790
	8/6/09	1,570	3,970
	2/8/10	1,820	3,750
	8/4/10	1,840	3,950
	4/7/11	1,830	3,380
	8/9/11	1,790	3,230
	2/15/12	1,270	3,940
	8/13/12	1,750 J	3,530

TABLE 10
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE & TDS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride[1] (mg/L)	Total Dissolved Solids[2] (mg/L)
NMWQCC Standard[3]		250	1,000
MW-17	2/11/09	4,160	8,240
	8/11/09	3,100	7,680
	2/10/10	1,260	3,110
	8/6/10	2,910	7,030
	4/7/11	697	2,140
	8/10/11	3,050	6,270
	2/14/12	3,950	10,800
	8/13/12	5,490 J	7,580
MW-18	2/10/09	2,570	4,880
	8/10/09	1,070	2,740
	2/10/10	457	1,440
	8/5/10	1,340	2,970
	4/7/11	1,170	2,280
	8/10/11	532	1,510
	2/13/12	907	2,250
	8/9/12	598	1,580
MW-19	2/18/09	Not Sampled -- LNAPL	
	8/10/09	Not Sampled -- LNAPL	
	8/10/10	4,070	8,300
	4/4/11	Not Sampled -- LNAPL	
	8/8/11	No Access - Construction	
	2/6/12	Not Sampled -- LNAPL	
	8/9/12	4,050	8,440
	8/9/12	4,360 J	8,880
MW-21	2/18/09	Not Sampled -- LNAPL	
	8/10/09	Not Sampled -- LNAPL	
	8/11/10	834	2,370
	4/4/11	Not Sampled	
	8/8/11	No Access - Construction	
	2/6/12	Not Sampled	
	8/14/12	856 J	2,320
MW-22	2/11/09	6,400	9,840
	8/13/09	2,990	6,480
	2/17/10	2,770	5,520
	8/10/10	2,150	5,000
DUP	8/10/10	2,420	4,990
	4/7/11	6,270	10,500
	8/11/11	5,120	8,360
	2/15/12	10,100	26,600
	8/13/12	4,660 J	6,050

TABLE 10
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE & TDS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride[1] (mg/L)	Total Dissolved Solids[2] (mg/L)
NMWQCC Standard[3]		250	1,000
MW-23	2/11/09	12,100	21,000
	8/7/09	8,860	17,800
	2/9/10	9,770	17,400
	8/5/10	7,960	14,400
	4/6/11	7,640	13,000
DUP-2	4/6/11	7,660	12,900
	8/9/11	6,360	11,200
	2/15/12	1,590	15,000
	8/14/12	8,360 J	16,000
MW-24	2/18/09	371	1,390
	8/10/09	Not Sampled -- LNAPL	
	2/16/10	201	1,340
	8/12/10	175	1,450
	4/6/11	202	1,210
	8/10/11	84.7	944
	2/16/12	70.2	1,030
	8/13/12	66.0 J	854
MW-25	2/12/09	2,630	6,470
	8/14/09	1,940	4,570
	2/17/10	4,180	7,280
	8/11/10	1,290	3,430
DUP	8/11/10	1,310	3,470
	4/7/11	2,890	6,060
	8/11/11	2,900	5,880
	2/15/12	2,900	6,620
DUP	2/15/12	1,350	6,460
	8/13/12	2,830 J	9,480
MW-26	2/17/09	295	1,330
	8/10/09	Not Sampled -- LNAPL	
	2/16/10	297	1,380
	8/11/10	240	1,280
	4/7/11	354	1,290
	8/9/11	360	1,440
	2/17/12	256	1,350
	8/13/12	233 J	1,340

TABLE 10
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE & TDS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride[1] (mg/L)	Total Dissolved Solids[2] (mg/L)
NMWQCC Standard[3]		250	1,000
MW-27	2/17/09	1,000	2,390
	8/10/09	Not Sampled -- LNAPL	
	4/4/11	Not Sampled -- LNAPL	
	8/8/11	Not Sampled -- LNAPL	
	2/6/12	Not Sampled -- LNAPL	
	8/17/12	Not Sampled -- LNAPL	
MW-29	2/4/09	661	1,840
	8/13/09	916	1,510
	2/15/10	389	1,470
DUP-1	2/15/10	434	1,460
	8/23/10	365	1,380
	4/7/11	371	1,420
	8/10/11	344	1,470
DUP-1	8/10/11	377	1,490
	2/9/12	241	1,270
	8/8/12	186	1,230
MW-30	2/4/09	412	1,380
	8/13/09	795	1,250
	2/15/10	365	1,240
	8/23/10	374	1,210
	4/6/11	455	1,330
	8/10/11	509	1,470
	2/8/12	403	1,340
	8/9/12	372	1,260
MW-31	2/9/09	454	1,400
	8/14/09	844	1,500
	2/15/10	507	1,380
	8/10/10	496	1,420
	4/7/11	769	1,600
	8/15/11	666	1,510
	2/8/12	403	1,340
	8/9/12	372	1,260
MW-32	2/4/09	1,540	3,910
	8/12/09	2,180	3,770
	2/12/10	1,370	3,810
	8/9/10	1,860	3,750
	4/6/11	2,080	3,990
DUP-1	4/6/11	1,870	3,900
	8/10/11	2,040	3,790
	2/8/12	656	2,980
	8/8/12	1,170	3,040

TABLE 10
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE & TDS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride[1] (mg/L)	Total Dissolved Solids[2] (mg/L)
NMWQCC Standard[3]		**250**	**1,000**
MW-34	2/4/09	73.3	569
	8/13/09	93.2	697
	2/16/10	226	942
	8/23/10	206	1,030
	4/6/11	385	1,230
	8/10/11	392	1,410
DUP-2	8/10/11	437	1,340
	2/8/12	431	1,160
	8/8/12	300	1,450
West Side Shallow LNAPL Recovery Wells			
RW-1	3/9/09	Not Sampled -- LNAPL	
	8/10/09	Not Sampled -- LNAPL	
	4/4/11	Not Sampled -- LNAPL	
	8/8/11	Not Sampled -- LNAPL	
	2/6/12	Not Sampled -- LNAPL	
	8/14/12	Not Sampled -- LNAPL	
RW-2	3/9/09	Not Sampled -- LNAPL	
	8/10/09	Not Sampled -- LNAPL	
	4/4/11	Not Sampled -- LNAPL	
	8/8/11	Not Sampled -- LNAPL	
	2/6/12	Not Sampled -- LNAPL	
	8/14/12	Not Sampled -- LNAPL	
RW-3	3/9/09	Not Sampled -- LNAPL	
	8/10/09	Not Sampled -- LNAPL	
	4/4/11	Not Sampled -- LNAPL	
	8/8/11	Not Sampled -- LNAPL	
	2/6/12	Not Sampled -- LNAPL	
	8/14/12	Not Sampled -- LNAPL	
RW-4	3/9/09	Not Sampled -- LNAPL	
	8/10/09	Not Sampled -- LNAPL	
	4/4/11	Not Sampled -- LNAPL	
	8/8/11	Not Sampled -- LNAPL	
	2/6/12	Not Sampled -- LNAPL	
	8/14/12	Not Sampled -- LNAPL	

TABLE 10
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE & TDS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride[1] (mg/L)	Total Dissolved Solids[2] (mg/L)
NMWQCC Standard[3]		250	1,000
RW-5	3/9/09	Not Sampled -- LNAPL	
	8/10/09	Not Sampled -- LNAPL	
	4/4/11	Not Sampled -- LNAPL	
	8/8/11	No Access - Construction	
	2/6/12	Not Sampled -- LNAPL	
	8/14/12	Not Sampled -- LNAPL	
MW-28	3/9/09	Not Sampled -- LNAPL	
	8/10/09	Not Sampled -- LNAPL	
	4/4/11	Not Sampled -- LNAPL	
	8/8/11	Not Sampled -- LNAPL	
	2/6/12	Not Sampled -- LNAPL	
	8/14/12	Not Sampled -- LNAPL	
East Side Shallow LNAPL Recovery Wells			
MW-5	3/9/09	Not Sampled -- LNAPL	
	8/10/09	Not Sampled -- LNAPL	
	4/4/11	No Access - Construction	
	8/8/11	Not Sampled -- LNAPL	
	2/6/12	Not Sampled -- LNAPL	
	8/7/12	Not Sampled -- LNAPL	
MW-20	3/9/09	Not Sampled -- LNAPL	
	8/10/09	Not Sampled -- LNAPL	
	4/4/11	Not Sampled -- LNAPL	
	8/8/11	No Access - Construction	
	2/6/12	Not Sampled -- LNAPL	
	8/7/12	Not Sampled -- LNAPL	
Temporary Monitor Wells			
TMW-1	2/10/09	**1,840**	**3,620**
	8/12/09	**1,070**	**2,130**
	2/12/10	**369**	**1,130**
	8/9/10	**368**	**1,130**
	4/6/11	**2,290**	**4,430**
	8/9/11	**1,990**	**3,440**
	2/15/12	**1,170**	**3,310**
	8/9/12	**1,210**	**2,380**

TABLE 10
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE & TDS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride[1] (mg/L)	Total Dissolved Solids[2] (mg/L)
NMWQCC Standard[3]		250	1,000
TMW-2	2/18/09	Not Sampled -- LNAPL	
	8/10/09	Not Sampled -- LNAPL	
	4/4/11	Not Sampled -- LNAPL	
	8/8/11	Not Sampled -- LNAPL	
	2/6/12	Not Sampled -- LNAPL	
	8/6/12	Not Sampled -- LNAPL	
TMW-3	2/17/09	Not Sampled -- No Access	
	8/10/09	Not Sampled -- LNAPL	
	2/17/10	**383**	**1,320**
	8/12/10	**318**	**1,200**
	4/8/11	**333**	**1,170**
	8/16/11	**855**	**1,740**
	2/15/12	**1,190**	**2,120**
	8/14/12	**345 J**	**1,180**
TMW-5	2/18/09	**4,780**	**7,660**
	8/10/09	**2,970**	**6,830**
	2/10/10	**3,120**	**6,120**
	8/11/10	**2,660**	**5,450**
DUP	8/11/10	**2,660**	**5,540**
	4/7/11	**3,210**	**5,910**
	8/9/11	**3,470**	**6,030**
	2/6/12	Not Sampled -- LNAPL	
	8/7/12	Not Sampled -- LNAPL	
TMW-6	2/17/09	**437**	**1,440**
	8/11/09	**177**	**1,140**
	2/16/10	**657**	**1,850**
	4/7/11	**515**	**1,430**
	8/9/11	**345**	**1,310**
	2/10/12	**684**	**1,940**
	8/14/12	**603 J**	**1,550**

Notes:

1. Chloride analysed by EPA Methods 300.0E.
2. Total Dissolved Solids (TDS) analysed by SM 2540C.
3. New Mexico Water Quality Control Commission (NMWQCC) Standards 20.6.2.3103.B
4. mg/L (ppm) - milligrams per liter (parts per million)
5. LNAPL - Light non-aqueous phase liquid
6. Bold indicates that a COC was detected.
7. Shading indicates that a detected result exceeded the NMWQCC Standard.

TABLE 11
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE & TDS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride[1] (mg/L)	Total Dissolved Solids[2] (mg/L)
NMWQCC Standard[3]		250	1,000
Deep Monitor Wells			
MWD-1	2/11/09	10,500	19,600
	8/6/09	9,340	18,800
	2/8/10	9,500	17,400
	8/4/10	8,490	11,100
	4/14/11	9,670	18,100
	8/17/11	8,950	13,000
	2/13/12	1,630 J	7,950 J
DUP	2/13/12	381 J	1,470 J
	8/13/12	8,220 J	13,300
MWD-2	2/10/09	14,500	31,100
	8/12/09	18,200	25,900
	2/8/10	27,900	44,900
	8/5/10	15,800	26,500
DUP	8/5/10	15,600	27,900
	4/15/11	26,700	31,500
	8/17/11	19,600	26,700
	2/14/12	3,460	8,720
	8/10/12	2,860 J	5,770
MWD-4	2/5/09	237	1,170
	8/6/09	310	1,440
	2/5/10	270	1,250
	8/20/10	328	1,490
	4/14/11	1,620	2,230
	8/17/11	729	2,030
	2/9/12	73.4	902
	8/9/12	50.4 J	910
MWD-5	2/12/09	1,830	3,780
	8/12/09	2,240	4,530
	2/9/10	1,710	4,510
	8/6/10	1,960	3,970
	4/15/11	2,050	4,480
	8/15/11	2,070	3,600
	2/6/12	Not Sampled	
	8/8/12	2,010	2,520

TABLE 11
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE & TDS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride[1] (mg/L)	Total Dissolved Solids[2] (mg/L)
NMWQCC Standard[3]		250	1,000
MWD-6	2/12/09	237	822
	8/7/09	995	2,800
DUP-1	8/7/09	1,010	2,760
	2/5/10	948	2,550
	8/20/10	1,020	2,400
	4/15/11	1,030	2,420
	8/15/11	1,170	2,130
	2/9/12	1,400	6,620
	8/8/12	507	1,880
DUP	8/8/12	608 J	1,860
MWD-7	2/11/09	7,940	14,700
	8/6/09	7,610	16,600
	2/8/10	8,040	15,100
	8/4/10	7,630	14,100
	4/14/11	7,870	14,800
	8/17/11	8,880	14,600
	2/16/12	10,200	25,100
	8/13/12	7,220 J	13,600
MWD-8	2/10/09	9,390	18,400
	8/11/09	8,570	16,300
	2/8/10	11,100	20,000
	8/5/10	10,000	17,500
	4/15/11	15,100	20,700
	8/17/11	8,840	12,400
	2/13/12	336	1,400
	8/9/12	980	2,220
MWD-10	2/12/09	6,130	11,600
	8/10/09	5,550	11,400
DUP-2	8/10/09	5,670	12,600
	2/9/10	6,590	10,900
	4/15/11	Not Sampled - LNAPL	
	8/19/11	4,660	9,810
	2/6/12	Not Sampled	
	8/7/12	Not Sampled	

TABLE 11
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE & TDS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride[1] (mg/L)	Total Dissolved Solids[2] (mg/L)
NMWQCC Standard[3]		250	1,000
MWD-11	2/10/09	2,640	4,670
	8/12/09	2,460	4,370
	2/8/10	2,210	4,440
	8/5/10	1,560	3,330
	4/15/11	2,400	4,750
DUP-4	4/15/11	2,370	4,110
	8/19/11	1,520	3,130
DUP-3	8/19/11	1,340	3,370
	2/10/12	205	932
	8/9/12	315 J	864
DUP	8/9/12	156 J	836
MWD-12	2/10/09	5,280	7,480
	8/6/09	4,350	9,440
	2/5/10	4,630	8,600
	8/4/10	4,340	8,100
	4/14/11	5,260	8,820
	8/17/11	5,090	8,460
	2/10/12	8,390	22,800
	8/9/12	3,280	6,340
MWD-13	2/5/09	6,610	12,600
DUP-1	2/5/09	6,830	13,000
	8/7/09	9,110	20,800
	2/5/10	1,840	5,540
	8/20/10	1,950	5,710
	4/15/11	26,800	45,400
	8/17/11	12,400	17,500
	2/9/12	935	3,100
	8/10/12	1,820 J	5,530
MWD-14	2/12/09	9,170	18,500
	8/10/09	10,700	21,200
	2/9/10	11,800	19,000
	8/5/10	7,150	13,700
	4/15/11	No access due to onsite work	
	8/19/11	10,900	19,200
DUP-4	8/19/11	9,990	18,500
	2/17/12	5,220	10,400
DUP	2/17/12	6,140	10,600
	8/9/12	4,900	8,960

TABLE 11
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE & TDS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride[1] (mg/L)	Total Dissolved Solids[2] (mg/L)
NMWQCC Standard[3]		250	1,000
MWD-15	2/12/09	20,800	37,000
DUP-3	2/12/09	20,400	37,000
	8/12/09	26,500	31,500
	2/8/10	33,700	56,400
	8/5/10	19,100	33,400
	4/15/11	90,600	136,000
	8/19/11	7,180	19,000
	2/16/12	33,100	160,000
	8/10/12	3,420 J	7,350
MWD-16	2/12/09	8,080	16,500
	8/10/09	8,750	17,600
	2/9/10	7,160	14,100
	8/5/10	4,570	8,600
	4/15/11	Not Sampled	
	8/19/11	No Access - Construction	
	2/6/12	Not Sampled	
	8/7/12	Not Sampled	
MWD-17	2/12/09	34,400	62,500
	8/12/09	46,500	67,800
	2/9/10	18,900	34,100
	8/6/10	29,200	53,500
	4/15/11	39,200	65,200
	8/16/11	53,500	101,000
	2/21/12	8,690	20,600
	8/14/12	6,900 J	13,800
Water Wells			
WW-1	2/2/09	Not Sampled	
	8/10/09	Not Sampled	
	2/9/10	Not Sampled	
	8/6/10	Not Sampled	
	4/15/11	Not Sampled	
	8/9/11	Not Sampled	
	2/6/12	Not Sampled	
	8/7/12	Not Sampled	

TABLE 11
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE & TDS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride[1] (mg/L)	Total Dissolved Solids[2] (mg/L)
NMWQCC Standard[3]		**250**	**1,000**
WW-2	2/2/09	Not Sampled	
	8/10/09	Not Sampled	
	2/9/10	Not Sampled	
	8/6/10	Not Sampled	
	4/15/11	Not Sampled	
	8/9/11	Not Sampled	
	2/6/12	Not Sampled	
	8/7/12	Not Sampled	
WW-3	2/2/09	Not Sampled	
	8/10/09	Not Sampled	
	2/9/10	Not Sampled	
	8/6/10	Not Sampled	
	4/15/11	Not Sampled	
	8/9/11	Not Sampled	
	2/6/12	Not Sampled	
	8/7/12	Not Sampled	
WW-4	2/3/09	Not Sampled	
	8/10/09	Not Sampled	
	2/9/10	Not Sampled	
	8/6/10	Not Sampled	
	4/15/11	Not Sampled	
	8/9/11	Not Sampled	
	2/6/12	Not Sampled	
	8/7/12	Not Sampled	
WW-5	2/3/09	Not Sampled	
	8/10/09	Not Sampled	
	2/9/10	Not Sampled	
	8/6/10	Not Sampled	
	4/15/11	Not Sampled	
	8/9/11	Not Sampled	
	2/6/12	Not Sampled	
	8/7/12	Not Sampled	
WW-6	2/3/09	Not Sampled	
	8/10/09	Not Sampled	
	2/9/10	Not Sampled	
	8/6/10	Not Sampled	
	4/15/11	Not Sampled	
	8/9/11	Not Sampled	
	2/6/12	Not Sampled	
	8/7/12	Not Sampled	

TABLE 11
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE & TDS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride[1] (mg/L)	Total Dissolved Solids[2] (mg/L)
NMWQCC Standard[3]		**250**	**1,000**
WW-7	2/2/09	Not Sampled	
	8/10/09	Not Sampled	
	2/9/10	Not Sampled	
	8/6/10	Not Sampled	
	4/15/11	Not Sampled	
	8/9/11	Not Sampled	
	2/6/12	Not Sampled	
	8/7/12	Not Sampled	
Deep Chloride Recovery Wells			
MWD-3	2/11/09	**48,100**	**82,200**
	8/18/09	**48,200**	**84,000**
	2/2/10	**57,800**	**89,600**
	8/3/10	**55,300**	**89,000**
	4/15/11	Not Sampled - Pump	
	8/9/11	Not Sampled - Pump	
	2/6/12	Not Sampled - Pump	
	8/7/12	Not Sampled - Pump	
MWD-9	2/11/09	**22,700**	**39,300**
	8/17/09	**20,900**	**39,600**
	2/2/10	**23,800**	**39,500**
	8/3/10	**20,900**	**37,400**
	4/15/11	Not Sampled - Pump	
	8/9/11	Not Sampled - Pump	
	2/6/12	Not Sampled - Pump	
	8/7/12	Not Sampled - Pump	
RW-6	2/11/09	**26,700**	**44,800**
	8/17/09	**32,400**	**61,300**
	2/2/10	**22,100**	**37,800**
	8/3/10	**30,800**	**52,600**
	4/15/11	Not Sampled - Pump	
	8/9/11	Not Sampled - Pump	
	2/6/12	Not Sampled - Pump	
	8/7/12	Not Sampled - Pump	

TABLE 11
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE & TDS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride[1] (mg/L)	Total Dissolved Solids[2] (mg/L)
NMWQCC Standard[3]		250	1,000
RW-7	2/12/09	**46,900**	**115,000**
	8/17/09	**58,600**	**104,000**
	2/2/10	**62,500**	**98,000**
	8/3/10	**41,100**	**66,400**
	4/15/11	Not Sampled - Pump	
	8/9/11	Not Sampled - Pump	
	2/6/12	Not Sampled - Pump	
	8/7/12	Not Sampled - Pump	
RW-8	2/12/09	**12,100**	**22,900**
	10/1/09	**10,700**	**20,800**
	2/9/10	**12,600**	**22,200**
	8/20/10	**31,800**	**57,100**
	4/15/11	Not Sampled - Pump	
	8/9/11	Not Sampled - Pump	
	2/6/12	Not Sampled - Pump	
	8/7/12	Not Sampled - Pump	

Notes:

1. Chloride analysed by EPA Methods 300.0E.
2. Total Dissolved Solids (TDS) analysed by SM 2540C.
3. New Mexico Water Quality Control Commission (NMWQCC) Standards 20.6.2.3103.B
4. mg/L (ppm) - milligrams per liter (parts per million)
5. LNAPL - Light non-aqueous phase liquid
6. Bold indicates that a COC was detected.
7. Shading indicates that a detected result exceeded the NMWQCC Standard.

TABLE 12
SUMMARY OF GROUNDWATER ANALYTICAL DATA - RCRA 8 METALS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Mercury[1] (mg/L)	Arsenic[2] (mg/L)	Selenium[2] (mg/L)	Barium[2] (mg/L)	Cadmium[2] (mg/L)	Chromium[2] (mg/L)	Lead[2] (mg/L)	Silver[2] (mg/L)
NMWQCC Standard[3]		0.002	0.1	0.05	1	0.01	0.05	0.05	0.05
Shallow Monitor Wells									
MW-1	2/18/09	Not Sampled -- LNAPL							
	8/10/09	Not Sampled -- LNAPL							
	4/7/11	Not Sampled -- LNAPL							
	8/8/11	Not Sampled -- LNAPL							
	2/6/12	Not Sampled -- LNAPL							
	8/7/12	Not Sampled -- LNAPL							
MW-2	2/18/09	Not Sampled -- LNAPL							
	8/10/09	Not Sampled -- LNAPL							
	4/7/11	Not Sampled -- LNAPL							
	8/8/11	Not Sampled -- LNAPL							
	2/6/12	Not Sampled -- LNAPL							
	8/7/12	Not Sampled -- LNAPL							
MW-3	2/9/09	<0.00020	<0.0200	<0.0200	**0.0615**	<0.0050	<0.0150	<0.0150	<0.0050
	8/13/09	<0.00020	<0.0200	<0.0200	**0.0591**	<0.0050	<0.0150	<0.0150	<0.0050
	2/16/10	<0.00020	<0.0200	<0.0200	**0.0562**	<0.00500	<0.0150	<0.0150	<0.0050
	8/10/10	<0.00020	<0.0200	<0.0200	**0.061**	<0.0050	<0.0150	<0.0150	<0.0050
	4/7/11	<0.00020	<0.0200	<0.0200	**0.0656**	<0.0050	<0.0150	<0.0150	<0.0050
DUP-3	4/7/11	<0.00020	<0.0200	<0.0200	**0.0633**	<0.0050	<0.0150	<0.0150	<0.0050
	8/9/11	<0.00020	<0.0200	<0.0200	**0.0670**	<0.0050	<0.0150	<0.0150	<0.0050
	2/10/12	<0.00020 J	<0.0200	<0.0200	**0.0666**	<0.0050	<0.0150	**0.0347**	<0.0050
	8/9/12	<0.00020	<0.0200	<0.0200 J	**0.0705**	<0.0050	<0.0150	<0.0150	<0.0050
MW-4	2/11/09	<0.00020	**0.0207**	<0.0200	**0.0562**	<0.0050	<0.0150	<0.0150	<0.0050
DUP-2	2/11/09	<0.00020	<0.0200	<0.0200	**0.0593**	<0.0050	<0.0150	<0.0150	<0.0050
	8/12/09	<0.00020	<0.0200	<0.0200	**0.0548**	<0.0050	<0.0150	<0.0150	<0.0050
	2/12/10	<0.00020	<0.0200	<0.0200	**0.0636**	<0.0050	<0.0150	**0.0178**	<0.0050
	8/6/10	<0.00020	<0.0200	<0.0200	**0.0674**	<0.0050	<0.0150	<0.0150	<0.0050
	4/6/11	Not Sampled							
	8/10/11	<0.00020	<0.0200	<0.0200	**0.0851**	<0.0050	<0.0150	<0.0150	<0.0050
	2/14/12	<0.00020	<0.0200	<0.0200	**0.0890**	<0.0050	<0.0150	<0.0150	<0.0050
	8/10/12	<0.00020	<0.0200	<0.0200	**0.103**	<0.0050	<0.0150	<0.0150	<0.0050
MW-6	2/5/09	<0.00020	**0.0269**	<0.0200	**0.0515**	<0.0050	<0.0150	<0.0150	<0.0050
	8/7/09	<0.00020	**0.0247**	<0.0200	**0.0659**	<0.0050	<0.0150	<0.0150	<0.0050
	2/9/10	<0.00020	**0.0227**	<0.0200	**0.0848**	<0.0050	<0.0150	<0.0150	<0.0050
	8/5/10	<0.00020	<0.0200	<0.0200	**0.034**	<0.0050	<0.0150	<0.0150	<0.0050
	4/6/11	<0.00020	**0.0230**	<0.0200	**0.0764**	<0.0050	<0.0150	<0.0150	<0.0050
	8/9/11	<0.00020	<0.0200	<0.0200	**0.0822**	<0.0050	<0.0150	<0.0150	<0.0050
	2/9/12	<0.00020 J	<0.0200	<0.0200	**0.0707**	<0.0050	<0.0150	**0.0337**	<0.0050
	8/10/12	<0.00020	<0.0200	<0.0200	**0.0535**	<0.0050	<0.0150	<0.0150	<0.0050
MW-7	2/5/09	<0.00020	<0.0200	<0.0200	**0.206**	<0.0050	<0.0150	<0.0150	<0.0050
	8/6/09	<0.00020	**0.0277**	<0.0200	**0.262**	<0.0050	<0.0150	<0.0150	<0.0050
	2/9/10	<0.00020	**0.025**	<0.0200	**0.27**	<0.0050	<0.0150	<0.0150	<0.0050
	8/5/10	<0.00020	**0.0258**	<0.0200	**0.195**	<0.0050	<0.0150	<0.0150	<0.0050
	4/6/11	<0.00020	**0.0273**	<0.0200	**0.298**	<0.0050	<0.0150	<0.0150	<0.0050
	8/9/11	<0.00020	**0.0256**	<0.0200	**0.315**	<0.0050	<0.0150	<0.0150	<0.0050
	2/9/12	<0.00020 J	<0.0200	<0.0200	**0.319**	<0.0050	<0.0150	**0.0314**	<0.0050
	8/9/12	<0.00020	<0.0200	<0.0200 J	**0.247**	<0.0050	<0.0150	<0.0150	<0.0050
MW-8	2/2/09	Not Sampled							
	8/6/09	<0.00020	**0.0442**	<0.0200	**0.0956**	<0.0050	<0.0150	<0.0150	<0.0050
	2/5/10	<0.00020	**0.0321**	<0.0200	**0.0924**	<0.0050	<0.0150	<0.0150	<0.0050
	8/4/10	<0.00020	<0.0200	<0.0200	**0.0864**	<0.0050	<0.0150	<0.0150	<0.0050
	4/6/11	<0.00020	**0.0220**	<0.0200	**0.0961**	<0.0050	<0.0150	<0.0150	<0.0050
	8/8/11	<0.00020	<0.0200	<0.0200	**0.101**	<0.0050	<0.0150	<0.0150	<0.0050
	2/8/12	<0.00020 J	**0.0224**	<0.0200	**0.0928**	<0.0050	<0.0150	**0.0197**	<0.0050
	8/8/12	<0.00020	<0.0200	<0.0200 J	**0.163**	<0.0050	<0.0150	<0.0150	<0.0050
DUP	8/8/12	<0.00020	<0.0200	<0.0200	**0.158**	<0.0050	<0.0150	<0.0150	<0.0050

TABLE 12
SUMMARY OF GROUNDWATER ANALYTICAL DATA - RCRA 8 METALS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Mercury[1] (mg/L)	Arsenic[2] (mg/L)	Selenium[2] (mg/L)	Barium[2] (mg/L)	Cadmium[2] (mg/L)	Chromium[2] (mg/L)	Lead[2] (mg/L)	Silver[2] (mg/L)
NMWQCC Standard[3]		0.002	0.1	0.05	1	0.01	0.05	0.05	0.05
MW-9	2/12/09	<0.00020	<0.0200	<0.0200	**16**	<0.0050	<0.0150	<0.0150	<0.0050
	8/14/09	<0.00020	**0.0244**	<0.0050	**8.95**	<0.0050	<0.0150	<0.0150	<0.0050
	2/15/10	<0.00020	**0.0221**	<0.0200	**17.6**	<0.0050	<0.0150	<0.0150	<0.0050
	8/23/10	<0.00020	<0.0200	<0.0200	**18**	<0.0050	<0.0150	<0.0150	<0.0050
	4/7/11	<0.00020	**0.0201**	<0.0200	**18.9**	<0.0050	<0.0150	<0.0150	<0.0050
	8/10/11	<0.00020	<0.0200	<0.0200	**13.2**	<0.0050	<0.0150	<0.0150	<0.0050
	2/9/12	<0.00020 J	<0.0200	<0.0200	**15.3**	<0.0050	<0.0150	**0.0437**	<0.0050
	8/8/12	<0.00020	<0.0200	**0.0498 J**	**4.91**	<0.0050	<0.0150	<0.0150	<0.0050
MW-10	2/18/09	Not Sampled -- LNAPL							
	8/10/09	Not Sampled -- LNAPL							
	4/7/11	Not Sampled -- LNAPL							
	8/8/11	Not Sampled -- LNAPL							
	2/6/12	Not Sampled -- LNAPL							
	8/7/12	Not Sampled -- LNAPL							
MW-11	2/18/09	Not Sampled -- No Access due to Demo work							
	8/10/09	Not Sampled -- LNAPL							
	2/17/10	<0.00020	**0.054**	<0.0200	**1.43**	<0.0050	<0.0150	<0.0150	<0.0050
	8/12/10	<0.0010	**0.0565**	<0.0200	**1.44**	<0.0050	<0.0150	<0.0150	<0.0050
	4/8/11	<0.00020	**0.0558**	<0.0200	**1.61**	<0.0050	<0.0150	<0.0150	<0.0050
	8/16/11	<0.00020	**0.0450**	<0.0200	**1.69**	<0.0050	<0.0150	<0.0150	<0.0050
	2/16/12	<0.00020	**0.0309**	<0.0200	**1.30**	<0.0050	<0.0150	<0.0150	<0.0050
	8/14/12	<0.00020	**0.0368**	<0.0200	**1.25**	<0.0050	<0.0150	<0.0150	<0.0050
MW-12	2/18/09	Not Sampled -- LNAPL							
	8/10/09	Not Sampled -- LNAPL							
	4/7/11	Not Sampled -- LNAPL							
	8/8/11	Not Sampled -- LNAPL							
	2/6/12	Not Sampled -- LNAPL							
	8/7/12	Not Sampled -- LNAPL							
MW-13	2/9/09	<0.00020	**0.0286**	<0.0200	**3.31**	<0.0050	<0.0150	<0.0150	<0.0050
	8/11/09	<0.00020	**0.0246**	<0.0200	**2.69**	<0.0050	<0.0150	<0.0150	<0.0050
	2/12/10	<0.00020	<0.0200	<0.0200	**0.139**	<0.0050	<0.0150	**0.0217**	<0.0050
	8/6/10	<0.00020	<0.0200	<0.0200	**0.0937**	<0.0050	<0.0150	<0.0150	<0.0050
	4/6/11	<0.00020	**0.0339**	<0.0200	**2.72**	<0.0050	<0.0150	<0.0150	<0.0050
	8/15/11	<0.00020	**0.0235**	<0.0200	**3.92**	<0.0050	<0.0150	<0.0150	<0.0050
	2/8/12	<0.00020 J	**0.0276**	<0.0200	**3.86**	<0.0050	<0.0150	**0.0243**	<0.0050
	8/9/12	<0.00020	<0.0200	<0.0200 J	**0.236**	<0.0050	<0.0150	<0.0150	<0.0050
MW-14	2/9/09	<0.00020	<0.0200	<0.0200	**0.0612**	<0.0050	<0.0150	<0.0150	<0.0050
	8/6/09	<0.00020	<0.0200	<0.0200	**0.0615**	<0.0050	<0.0150	<0.0150	<0.0050
	2/5/10	<0.00020	<0.0200	<0.0200	**0.055**	<0.0050	<0.0150	**0.0189**	<0.0050
	8/4/10	<0.00020	<0.0200	<0.0200	**0.0572**	<0.0050	<0.0150	<0.0150	<0.0050
	4/6/11	<0.00020	<0.0200	<0.0200	**0.0600**	<0.0050	<0.0150	<0.0150	<0.0050
	8/8/11	<0.00020	<0.0200	<0.0200	**0.0865**	<0.0050	<0.0150	<0.0150	<0.0050
	2/8/12	<0.00020 J	<0.0200	<0.0200	**0.0557**	<0.0050	<0.0150	**0.0304**	<0.0050
	8/9/12	<0.00020	<0.0200	<0.0200 J	**0.0658**	<0.0050	<0.0150	<0.0150	<0.0050
MW-15	2/9/09	<0.00020	<0.0200	<0.0200	**0.0508**	<0.0050	<0.0150	<0.0150	<0.0050
	8/12/09	<0.00020	**0.0252**	<0.0200	**0.0428**	<0.0050	<0.0150	<0.0150	<0.0050
	2/8/10	<0.00020	<0.0200	<0.0200	**0.0461**	<0.0050	<0.0150	<0.0150	<0.0050
	8/9/10	<0.00020	<0.0200	<0.0200	**0.0403**	<0.0050	<0.0150	<0.0150	<0.0050
	4/7/11	<0.00020	<0.0200	<0.0200	**0.0462**	<0.0050	<0.0150	<0.0150	<0.0050
	8/9/11	<0.00020	<0.0200	<0.0200	**0.0464**	<0.0050	<0.0150	<0.0150	<0.0050
	2/15/12	<0.00020	<0.0200	<0.0200	**0.0419**	<0.0050	<0.0150	<0.0150	<0.0050
DUP	2/15/12	<0.00020	<0.0200	<0.0200	**0.0416**	<0.0050	<0.0150	<0.0150	<0.0050
	8/13/12	<0.00020	**0.0203**	<0.0200	**0.0440**	<0.0050	<0.0150	**0.0164**	<0.0050

TABLE 12
SUMMARY OF GROUNDWATER ANALYTICAL DATA - RCRA 8 METALS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Mercury[1] (mg/L)	Arsenic[2] (mg/L)	Selenium[2] (mg/L)	Barium[2] (mg/L)	Cadmium[2] (mg/L)	Chromium[2] (mg/L)	Lead[2] (mg/L)	Silver[2] (mg/L)
NMWQCC Standard[3]		0.002	0.1	0.05	1	0.01	0.05	0.05	0.05
MW-16	2/9/09	<0.00020	<0.0200	<0.0200	**0.0423**	<0.0050	**0.138**	<0.0150	<0.0050
	8/6/09	<0.00020	<0.0200	<0.0200	**0.036**	<0.0050	**0.123**	<0.0150	<0.0050
	2/8/10	<0.00020	<0.0200	<0.0200	**0.0352**	<0.0050	**0.109**	<0.0150	<0.0050
	8/4/10	<0.00020	<0.0200	<0.0200	**0.0428**	<0.0050	**0.138**	<0.0150	<0.0050
	4/7/11	<0.00020	<0.0200	<0.0200	0.0344	<0.0050	**0.114**	<0.0150	<0.0050
	8/9/11	<0.00020	<0.0200	<0.0200	**0.0378**	<0.0050	**0.0936**	<0.0150	<0.0050
	2/15/12	<0.00020	<0.0200	<0.0200	**0.0330**	<0.0050	**0.108**	<0.0150	<0.0050
	8/13/12	<0.00020	<0.0200	<0.0200	**0.0353**	<0.0050	**0.101**	**0.0165**	<0.0050
MW-17	2/11/09	<0.00020	<0.0200	<0.0200	**0.0468**	<0.0050	<0.0150	<0.0150	<0.0050
	8/11/09	<0.00020	<0.0200	<0.0200	**0.0423**	<0.0050	<0.0150	<0.0150	<0.0050
	2/10/10	<0.00020	<0.0200	<0.0200	**0.166**	<0.0050	<0.0150	<0.0150	<0.0050
	8/6/10	<0.00020	<0.0200	<0.0200	**0.0442**	<0.0050	<0.0150	<0.0150	<0.0050
	4/7/11	<0.00020	<0.0200	<0.0200	**0.186**	<0.0050	<0.0150	<0.0150	<0.0050
	8/10/11	<0.00020	<0.0200	<0.0200	**0.0433**	<0.0050	<0.0150	<0.0150	<0.0050
	2/14/12	<0.00020	<0.0200	<0.0200	**0.0412**	<0.0050	<0.0150	<0.0150	<0.0050
	8/13/12	<0.00020	**0.0226**	<0.0200	**0.0393**	<0.0050	<0.0150	<0.0150	<0.0050
MW-18	2/10/09	<0.00020	<0.0200	<0.0200	**0.0762**	<0.0050	<0.0150	<0.0150	<0.0050
	8/10/09	<0.00020	**0.0246**	<0.0200	**0.0808**	<0.0050	<0.0150	<0.0150	<0.0050
	2/10/10	<0.00020	**0.0329**	<0.0200	**0.0698**	<0.0050	<0.0150	<0.0150	<0.0050
	8/5/10	<0.00020	<0.0200	<0.0200	**0.0694**	<0.0050	<0.0150	<0.0150	<0.0050
	4/7/11	<0.00020	<0.0200	<0.0200	**0.0641**	<0.0050	<0.0150	<0.0150	<0.0050
	8/10/11	<0.00020	**0.0210**	<0.0200	**0.0619**	<0.0050	<0.0150	<0.0150	<0.0050
	2/13/12	<0.00020	<0.0200	<0.0200	**0.0620**	<0.0050	<0.0150	<0.0150	<0.0050
	8/9/12	<0.00020	<0.0200	<0.0200 J	**0.0560**	<0.0050	<0.0150	<0.0150	<0.0050
MW-19	2/18/09	Not Sampled -- LNAPL							
	8/10/09	Not Sampled -- LNAPL							
	8/10/10	<0.00020	**0.0484**	<0.0200	**0.405**	<0.0050	<0.0150	<0.0150	<0.0050
	4/7/11	Not Sampled -- LNAPL							
	8/8/11	No Access - Construction on Site							
	2/6/12	Not Sampled -- LNAPL							
	8/9/12	<0.00020	**0.0464**	<0.0200 J	**0.633**	<0.0050	<0.0150	<0.0150	<0.0050
DUP	8/9/12	<0.00020	**0.0466**	<0.0200	**0.649**	<0.0050	<0.0150	<0.0150	<0.0050
MW-21	2/18/09	Not Sampled -- LNAPL							
	8/10/09	Not Sampled -- LNAPL							
	8/11/10	<0.0010	**0.0621**	<0.0200	**0.107**	<0.0050	<0.0150	<0.0150	<0.0050
	4/6/11	Not Sampled							
	8/8/11	No Access - Construction on Site							
	2/6/12	Not Sampled							
	8/14/12	<0.00020	**0.0562**	<0.0200	**0.163**	<0.0050	<0.0150	<0.0150	<0.0050
MW-22	2/11/09	<0.00020	**0.0508**	<0.0200	**0.542**	<0.0050	<0.0150	<0.0150	<0.0050
	8/13/09	<0.00020	**0.0381**	<0.0200	**0.707**	<0.0050	<0.0150	<0.0150	<0.0050
	2/17/10	<0.00020	**0.0363**	<0.0200	**0.777**	<0.0050	<0.0150	<0.0150	<0.0050
	8/10/10	<0.00020	**0.0444**	<0.0200	**0.655**	<0.0050	<0.0150	<0.0150	<0.0050
DUP	8/10/10	<0.00020	**0.0448**	<0.0200	**0.675**	<0.0050	<0.0150	<0.0150	<0.0050
	4/7/11	<0.00020	**0.0581**	<0.0200	**1.33**	<0.0050	<0.0150	<0.0150	<0.0050
	8/11/11	<0.00020	**0.0670**	<0.0200	**0.881**	<0.0050	<0.0150	<0.0150	<0.0050
	2/15/12	<0.00020	**0.0242**	<0.0200	**2.41**	<0.0050	<0.0150	<0.0150	<0.0050
	8/13/12	<0.00020	**0.0352**	<0.0200	**0.851**	<0.0050	<0.0150	<0.0150	<0.0050
MW-23	2/11/09	<0.00020	**0.0524**	<0.0200	**0.0938**	<0.0050	<0.0150	<0.0150	<0.0050
	8/7/09	<0.00020	**0.0566**	**0.0246**	**0.0872**	<0.0050	<0.0150	<0.0150	<0.0050
	2/9/10	<0.00020	**0.0228**	<0.0200	**0.0893**	<0.0050	<0.0150	<0.0150	<0.0050
	8/5/10	<0.00020	<0.0200	**0.0251**	**0.0599**	<0.0050	<0.0150	<0.0150	<0.0050
	4/6/11	<0.00020	<0.0200	**0.0231**	**0.0639**	<0.0050	<0.0150	<0.0150	<0.0050
DUP-2	4/6/11	<0.00020	<0.0200	<0.0200	**0.0643**	<0.0050	<0.0150	<0.0150	<0.0050
	8/9/11	<0.00020	<0.0200	**0.0290**	**0.0673**	<0.0050	<0.0150	<0.0150	<0.0050
	2/15/12	<0.00020	<0.0200	**0.0253**	**0.0717**	<0.0050	<0.0150	<0.0150	<0.0050
	8/14/12	<0.00020	**0.0218**	<0.0200	**0.0866**	<0.0050	<0.0150	**0.0213**	<0.0050

TABLE 12
SUMMARY OF GROUNDWATER ANALYTICAL DATA - RCRA 8 METALS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Mercury[1] (mg/L)	Arsenic[2] (mg/L)	Selenium[2] (mg/L)	Barium[2] (mg/L)	Cadmium[2] (mg/L)	Chromium[2] (mg/L)	Lead[2] (mg/L)	Silver[2] (mg/L)
NMWQCC Standard[3]		0.002	0.1	0.05	1	0.01	0.05	0.05	0.05
MW-24	2/18/09	<0.00020	**0.035**	<0.0200	**4.25**	<0.0050	<0.0150	<0.0150	<0.0050
	8/10/09	Not Sampled -- LNAPL							
	2/16/10	<0.00020	**0.0355**	<0.0200	**3.97**	<0.0050	<0.0150	<0.0150	<0.0050
	8/12/10	<0.0010	**0.0361**	<0.0200	**4.85**	<0.0050	<0.0150	<0.0150	<0.0050
	4/6/11	<0.00020	0.0383	<0.0200	**2.62**	<0.0050	<0.0150	<0.0150	<0.0050
	8/10/11	<0.00020	0.0326	<0.0200	**2.06**	<0.0050	<0.0150	<0.0150	<0.0050
	2/16/12	<0.00020	<0.0200	<0.0200	**1.85**	<0.0050	<0.0150	<0.0150	<0.0050
	8/13/12	<0.00020	**0.0288**	<0.0200	**1.55**	<0.0050	<0.0150	<0.0150	<0.0050
MW-25	2/12/09	<0.00020	**0.0272**	<0.0200	**1.86**	<0.0050	<0.0150	<0.0150	<0.0050
	8/14/09	<0.00020	<0.0200	<0.0200	**1.49**	<0.0050	<0.0150	<0.0150	<0.0050
	2/17/10	<0.00020	**0.0209**	<0.0200	**1.84**	<0.0050	<0.0150	<0.0150	<0.0050
	8/11/10	<0.0010	<0.0200	<0.0200	**1.63**	<0.0050	<0.0150	<0.0150	<0.0050
DUP	8/12/10	<0.0010	<0.0200	<0.0200	**1.6**	<0.0050	<0.0150	<0.0150	<0.0050
	4/7/11	<0.00020	<0.0200	<0.0200	**1.55**	<0.0050	<0.0150	<0.0150	<0.0050
	8/11/11	<0.00020	<0.0200	<0.0200	**1.50**	<0.0050	<0.0150	<0.0150	<0.0050
	2/15/12	<0.00020	**0.0291**	<0.0200	**1.59**	<0.0050	<0.0150	<0.0150	<0.0050
DUP	2/15/12	<0.00020	**0.0254**	<0.0200	**1.51**	<0.0050	<0.0150	<0.0150	<0.0050
	8/13/12	<0.00020	<0.0200	<0.0200	**1.38**	<0.0050	<0.0150	<0.0150	<0.0050
MW-26	2/17/09	<0.00020	**0.0442**	<0.0200	**2.53**	<0.0050	<0.0150	<0.0150	<0.0050
	8/10/09	Not Sampled -- LNAPL							
	2/16/10	<0.00020	**0.0493**	<0.0200	**2.97**	<0.0050	<0.0150	<0.0150	<0.0050
	8/11/10	<0.0010	**0.0485**	<0.0200	**2.96**	<0.0050	<0.0150	<0.0150	<0.0050
	4/7/11	<0.00020	**0.0460**	<0.0200	**3.68**	<0.0050	<0.0150	<0.0150	<0.0050
	8/9/11	<0.00020	**0.0468**	<0.0200	**4.48**	<0.0050	<0.0150	<0.0150	<0.0050
	2/17/12	<0.00020	**0.0320**	<0.0200	**4.82**	<0.0050	<0.0150	**0.0372**	<0.0050
	8/13/12	<0.00020	**0.0336**	<0.0200	**4.85**	<0.0050	<0.0150	**0.0153**	<0.0050
MW-27	2/17/09	<0.00020	**0.0408**	<0.0200	**0.199**	<0.0050	<0.0150	<0.0150	<0.0050
	8/10/09	Not Sampled -- LNAPL							
	4/7/11	Not Sampled -- LNAPL							
	8/8/11	Not Sampled -- LNAPL							
	2/6/12	Not Sampled -- LNAPL							
	8/7/12	Not Sampled -- LNAPL							
MW-29	2/4/09	<0.00020	<0.0200	<0.0200	**5.8**	<0.0050	<0.0150	<0.0150	<0.0050
	8/13/09	<0.00020	<0.0200	<0.0200	**7.79**	<0.0050	<0.0150	<0.0150	<0.0050
	2/15/10	<0.00020	<0.0200	<0.0200	**6.97**	<0.0050	<0.0150	<0.0150	<0.0050
DUP-1	2/15/10	<0.00020	<0.0200	<0.0200	**7.01**	<0.0050	<0.0150	<0.0150	<0.0050
	8/23/10	<0.00020	<0.0200	<0.0200	**7.02**	<0.0050	<0.0150	<0.0150	<0.0050
	4/7/11	<0.00020	<0.0200	<0.0200	**4.45**	<0.0050	<0.0150	<0.0150	<0.0050
	8/10/11	<0.00020	<0.0200	<0.0200	**4.82**	<0.0050	<0.0150	<0.0150	<0.0050
DUP-1	8/10/11	<0.00020	<0.0200	<0.0200	**5.16**	<0.0050	<0.0150	<0.0150	<0.0050
	2/9/12	<0.00020 J	<0.0200	<0.0200	**4.97**	<0.0050	<0.0150	**0.0375**	<0.0050
	8/8/12	<0.00020	<0.0200	<0.0200 J	**6.36**	<0.0050	<0.0150	<0.0150	<0.0050
MW-30	2/4/09	<0.00020	<0.0200	<0.0200	**8.38**	<0.0050	<0.0150	<0.0150	<0.0050
	8/13/09	<0.00020	**0.0334**	<0.0200	**0.544**	<0.0050	<0.0150	<0.0150	<0.0050
	2/15/10	<0.00020	**0.027**	<0.0200	**1.27**	<0.0050	<0.0150	<0.0150	<0.0050
	8/23/10	<0.00020	**0.0263**	<0.0200	**1.05**	<0.0050	<0.0150	<0.0150	<0.0050
	4/6/11	<0.00020	**0.0249**	<0.0200	**1.86**	<0.0050	<0.0150	<0.0150	<0.0050
	8/10/11	<0.00020	<0.0200	<0.0200	**6.78**	<0.0050	<0.0150	<0.0150	<0.0050
	2/8/12	<0.00020 J	**0.0270**	<0.0200	**0.170**	<0.0050	<0.0150	**0.0310**	<0.0050
	8/9/12	<0.00020	**0.0252**	<0.0200 J	**0.530**	<0.0050	<0.0150	<0.0150	<0.0050

TABLE 12
SUMMARY OF GROUNDWATER ANALYTICAL DATA - RCRA 8 METALS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Mercury[1] (mg/L)	Arsenic[2] (mg/L)	Selenium[2] (mg/L)	Barium[2] (mg/L)	Cadmium[2] (mg/L)	Chromium[2] (mg/L)	Lead[2] (mg/L)	Silver[2] (mg/L)
NMWQCC Standard[3]		0.002	0.1	0.05	1	0.01	0.05	0.05	0.05
MW-31	2/9/09	<0.00020	**0.0539**	<0.0200	**8.65**	<0.0050	<0.0150	<0.0150	<0.0050
	8/14/09	<0.00020	**0.0365**	<0.0200	**6.54**	<0.0050	<0.0150	<0.0150	<0.0050
	2/15/10	<0.00020	**0.0323**	<0.0200	**6.92**	<0.0050	<0.0150	<0.0150	<0.0050
	8/10/10	<0.00020	**0.042**	<0.0200	**6.59**	<0.0050	<0.0150	<0.0750	<0.0050
	4/7/11	<0.00020	**0.0452**	<0.0200	**14.6**	<0.0050	<0.0150	<0.0150	<0.0050
	8/15/11	<0.00020	**0.0361**	<0.0200	**11.3**	<0.0050	<0.0150	<0.0150	<0.0050
	2/8/12	<0.00020 J	**0.0296**	<0.0200	**12.1**	<0.0050	<0.0150	**0.0420**	<0.0050
	8/9/12	<0.00020	**0.0308**	<0.0200 J	**8.24**	<0.0050	<0.0150	<0.0150	<0.0050
MW-32	2/4/09	<0.00020	<0.0200	<0.0200	**3.87**	<0.0050	<0.0150	<0.0150	<0.0050
	8/12/09	<0.00020	<0.0200	<0.0200	**1.7**	<0.0050	<0.0150	<0.0150	<0.0050
	2/12/10	<0.00020	<0.0200	<0.0200	**0.398**	<0.0050	<0.0150	**0.0239**	<0.0050
	8/9/10	<0.00020	<0.0200	<0.0200	**8.16**	<0.0050	<0.0150	<0.0750	<0.0050
	4/6/11	<0.00020	<0.0200	<0.0200	**6.75**	<0.0050	<0.0150	<0.0150	<0.0050
	8/10/11	<0.00020	<0.0200	<0.0200	**6.53**	<0.0050	<0.0150	<0.0150	<0.0050
	2/8/12	<0.00020 J	<0.0200	<0.0200	**4.10**	<0.0050	<0.0150	**0.0336**	<0.0050
	8/8/12	<0.00020	<0.0200	<0.0200 J	**4.25**	<0.0050	<0.0150	<0.0150	<0.0050
MW-34	2/4/09	<0.00020	<0.0200	<0.0200	**1.92**	<0.0050	<0.0150	<0.0150	<0.0050
	8/13/09	<0.00020	<0.0200	<0.0200	**2.42**	<0.0050	<0.0150	<0.0150	<0.0050
	2/16/10	<0.00020	<0.0200	<0.0200	**3.91**	<0.0050	<0.0150	<0.0150	<0.0050
	8/23/10	<0.00020	<0.0200	<0.0200	**3.54**	<0.0050	<0.0150	<0.0150	<0.0050
	4/6/11	<0.00020	<0.0200	<0.0200	**4.66**	<0.0050	<0.0150	<0.0150	<0.0050
	8/10/11	<0.00020	<0.0200	<0.0200	**4.95**	<0.0050	<0.0150	<0.0150	<0.0050
DUP-2	8/10/11	<0.00020	<0.0200	<0.0200	**5.55**	<0.0050	<0.0150	<0.0150	<0.0050
	2/8/12	<0.00020 J	<0.0200	<0.0200	**4.17**	<0.0050	<0.0150	**0.0357**	<0.0050
	8/8/12	<0.00020	<0.0200	<0.0200 J	**4.49**	<0.0050	<0.0150	<0.0150	<0.0050
West Side Shallow LNAPL Recovery Wells									
RW-1	3/9/09	Not Sampled -- LNAPL							
	8/10/09	Not Sampled -- LNAPL							
	4/7/11	Not Sampled -- LNAPL							
	8/9/11	Not Sampled -- LNAPL							
	2/6/12	Not Sampled -- LNAPL							
	8/14/12	Not Sampled -- LNAPL							
RW-2	3/9/09	Not Sampled -- LNAPL							
	8/10/09	Not Sampled -- LNAPL							
	4/7/11	Not Sampled -- LNAPL							
	8/9/11	Not Sampled -- LNAPL							
	2/6/12	Not Sampled -- LNAPL							
	8/14/12	Not Sampled -- LNAPL							
RW-3	3/9/09	Not Sampled -- LNAPL							
	8/10/09	Not Sampled -- LNAPL							
	4/7/11	Not Sampled -- LNAPL							
	8/9/11	Not Sampled -- LNAPL							
	2/6/12	Not Sampled -- LNAPL							
	8/14/12	Not Sampled -- LNAPL							
RW-4	3/9/09	Not Sampled -- LNAPL							
	8/10/09	Not Sampled -- LNAPL							
	4/7/11	Not Sampled -- LNAPL							
	8/9/11	Not Sampled -- LNAPL							
	2/6/12	Not Sampled -- LNAPL							
	8/14/12	Not Sampled -- LNAPL							
RW-5	3/9/09	Not Sampled -- LNAPL							
	8/10/09	Not Sampled -- LNAPL							
	4/7/11	Not Sampled -- LNAPL							
	8/9/11	Not Sampled -- LNAPL							
	2/6/12	Not Sampled -- LNAPL							
	8/14/12	Not Sampled -- LNAPL							

TABLE 12
SUMMARY OF GROUNDWATER ANALYTICAL DATA - RCRA 8 METALS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Mercury[1] (mg/L)	Arsenic[2] (mg/L)	Selenium[2] (mg/L)	Barium[2] (mg/L)	Cadmium[2] (mg/L)	Chromium[2] (mg/L)	Lead[2] (mg/L)	Silver[2] (mg/L)
NMWQCC Standard[3]		**0.002**	**0.1**	**0.05**	**1**	**0.01**	**0.05**	**0.05**	**0.05**
MW-28	3/9/09	Not Sampled -- LNAPL							
	8/10/09	Not Sampled -- LNAPL							
	4/7/11	Not Sampled -- LNAPL							
	8/9/11	Not Sampled -- LNAPL							
	2/6/12	Not Sampled -- LNAPL							
	8/14/12	Not Sampled -- LNAPL							
East Side Shallow LNAPL Recovery Wells									
MW-5	3/9/09	Not Sampled -- LNAPL							
	8/10/09	Not Sampled -- LNAPL							
	4/6/11	No Access - Construction on Site							
	8/9/11	Not Sampled -- LNAPL							
	2/6/12	Not Sampled -- LNAPL							
	8/7/12	Not Sampled -- LNAPL							
MW-20	3/9/09	Not Sampled -- LNAPL							
	8/10/09	Not Sampled -- LNAPL							
	4/7/11	Not Sampled -- LNAPL							
	8/9/11	Not Sampled -- LNAPL							
	2/6/12	Not Sampled -- LNAPL							
	8/7/12	Not Sampled -- LNAPL							
Temporary Monitor Wells									
TMW-1	2/10/09	<0.00020	**0.0585**	<0.0200	**1.2**	<0.0050	<0.0150	<0.0150	<0.0050
	8/12/09	<0.00020	**0.0481**	<0.0200	**1.02**	<0.0050	<0.0150	<0.0150	<0.0050
	2/12/10	<0.00020	**0.05**	<0.0200	**1.24**	<0.0050	<0.0150	0.0208	<0.0050
	8/9/10	<0.00020	**0.0444**	<0.0200	**1.5**	<0.0050	<0.0150	<0.0150	<0.0050
	4/6/11	<0.00020	**0.0437**	<0.0200	**0.265**	<0.0050	<0.0150	<0.0150	<0.0050
	8/9/11	<0.00020	**0.0340**	<0.0200	**0.246**	<0.0050	<0.0150	<0.0150	<0.0050
	2/15/12	<0.00020	<0.0200	<0.0200	**0.243**	<0.0050	<0.0150	<0.0150	<0.0050
	8/9/12	<0.00020	**0.0225**	<0.0200 J	**0.965**	<0.0050	<0.0150	<0.0150	<0.0050
TMW-2	2/18/09	Not Sampled -- LNAPL							
	8/10/09	Not Sampled -- LNAPL							
	4/7/11	Not Sampled -- LNAPL							
	8/8/11	Not Sampled -- LNAPL							
	2/6/12	Not Sampled -- LNAPL							
	8/7/12	Not Sampled -- LNAPL							
TMW-3	2/17/09	Not Sampled -- No Access							
	8/10/09	Not Sampled -- LNAPL							
	2/17/10	<0.00020	**0.0577**	<0.0200	**4.39**	<0.0050	<0.0150	<0.0150	<0.0050
	8/12/10	<0.0010	**0.0501**	<0.0200	**4.85**	<0.0050	<0.0150	<0.0150	<0.0050
	4/8/11	<0.00020	**0.0511**	<0.0200	**4.91**	<0.0050	<0.0150	<0.0150	<0.0050
	8/16/11	<0.00020	**0.0549**	<0.0200	**3.82**	<0.0050	<0.0150	<0.0150	<0.0050
	2/15/12	<0.00020	**0.0393**	<0.0200	**2.86**	<0.0050	<0.0150	<0.0150	<0.0050
	8/14/12	<0.00020	**0.0357**	<0.0200	**4.07**	<0.0050	<0.0150	<0.0150	<0.0050
TMW-5	2/18/09	<0.00020	**0.0669**	<0.0200	**0.516**	<0.0050	<0.0150	<0.0150	<0.0050
	8/10/09	<0.00020	**0.0372**	<0.0200	**0.59**	<0.0050	<0.0150	<0.0150	<0.0050
	2/10/10	<0.00020	**0.0302**	<0.0200	**0.95**	<0.0050	<0.0150	<0.0150	<0.0050
	8/11/10	<0.0010	**0.0341**	<0.0200	**1.9**	<0.0050	<0.0150	<0.0150	<0.0050
DUP	8/11/10	<0.0010	**0.0324**	<0.0200	**1.6**	<0.0050	<0.0150	<0.0150	<0.0050
	4/7/11	<0.00020	**0.0454**	<0.0200	**3.46**	<0.0050	<0.0150	<0.0150	<0.0050
	8/9/11	<0.00020	**0.0312**	<0.0200	**1.32**	<0.0050	<0.0150	<0.0150	<0.0050
	2/6/12	Not Sampled							
	8/7/12	Not Sampled							

TABLE 12
SUMMARY OF GROUNDWATER ANALYTICAL DATA - RCRA 8 METALS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Mercury[1] (mg/L)	Arsenic[2] (mg/L)	Selenium[2] (mg/L)	Barium[2] (mg/L)	Cadmium[2] (mg/L)	Chromium[2] (mg/L)	Lead[2] (mg/L)	Silver[2] (mg/L)
NMWQCC Standard[3]		0.002	0.1	0.05	1	0.01	0.05	0.05	0.05
TMW-6	2/17/09	<0.00020	**0.0724**	<0.0200	**1.02**	<0.0050	<0.0150	<0.0150	<0.0050
	8/11/09	<0.00020	**0.07123**	<0.0200	**0.517**	<0.0050	<0.0150	<0.0150	<0.0050
	2/16/10	<0.00020	**0.093**	<0.0200	**0.219**	<0.0050	<0.0150	<0.0150	<0.0050
	4/7/11	<0.00020	**0.0867**	<0.0200	**0.213**	<0.0050	<0.0150	<0.0150	<0.0050
	8/9/11	<0.00020	**0.0585**	<0.0200	**0.817**	<0.0050	<0.0150	<0.0150	<0.0050
	2/10/12	<0.00020 J	**0.0445**	<0.0200	**0.268**	<0.0050	<0.0150	**0.0228**	<0.0050
	8/14/12	<0.00020	**0.0504**	<0.0200	**0.953**	<0.0050	<0.0150	<0.0150	<0.0050

Notes:

1. Dissolved Metal (Mercury) was analyzed by EPA Method 7470A.
2. Dissolved Metals (Arsenic, Barium, Cadmium, Chromium, Lead, Selenium & Silver) were analyzed by EPA Method 6010B.
3. New Mexico Water Quality Control Commission (NMWQCC) Standards 20.6.2.3103.A
4. mg/L (ppm) - milligrams per liter (parts per million)
5. LNAPL - Light non-aqueous phase liquid
6. Bold indicates that a COC was detected.
7. Shading indicates that a detected result exceeded the NMWQCC Standard.

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SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - RCRA 8 METALS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Mercury[1] (mg/L)	Arsenic[2] (mg/L)	Selenium[2] (mg/L)	Barium[2] (mg/L)	Cadmium[2] (mg/L)	Chromium[2] (mg/L)	Lead[2] (mg/L)	Silver[2] (mg/L)
NMWQCC Standard[3]		0.002	0.1	0.05	1	0.01	0.05	0.05	0.05
Deep Monitor Wells									
MWD-1	2/11/09	<0.00020	**0.0263**	<0.020	**0.0429**	<0.0050	<0.0150	<0.0150	<0.0050
	8/6/09	<0.00020	<0.0200	<0.0200	**0.0428**	<0.0050	<0.0150	<0.0150	<0.0050
	2/8/10	<0.00020	<0.0200	<0.0200	**0.0447**	<0.0050	<0.0150	<0.0150	<0.0050
	8/4/10	<0.00020	**0.0293**	<0.0200	**0.0338**	<0.0050	<0.0150	<0.0150	<0.0050
	4/14/11	<0.00020	**0.0221**	<0.0200	**0.0453**	<0.0050	<0.0150	<0.0150	<0.0050
	8/17/11	<0.00020	<0.0200	**0.0253**	**0.0515**	<0.0050	<0.0150	<0.0150	<0.0050
	2/13/12	<0.00020	**0.0379 J**	<0.0200	**0.0310 J**	<0.0050	<0.0150	<0.0150	<0.0050
(Dup)	2/13/12	<0.00020	<0.0200	<0.0200	**0.0581 J**	<0.0050	<0.0150	<0.0150	<0.0050
	8/13/12	<0.00020	**0.0210**	<0.0200	**0.0476**	<0.0050	<0.0150	**0.0201**	<0.0050
MWD-2	2/10/09	<0.00020	<0.020	<0.020	**0.0821**	<0.0050	**0.0219**	<0.0150	<0.0050
	8/12/09	<0.00020	<0.0200	<0.0200	**0.0877**	<0.0050	<0.0750	<0.0150	<0.0250
	2/8/10	<0.00020	<0.100	<0.100	**0.102**	<0.0250	**0.0206**	<0.0750	<0.0050
	8/5/10	<0.00020	<0.0200	<0.0200	**0.102**	<0.0050	<0.0750	<0.0150	<0.0250
DUP	8/5/10	<0.00020	<0.0200	<0.0200	**0.0941**	<0.0050	<0.0750	<0.0150	<0.0250
	4/15/11	<0.00020	<0.100	<0.100	**0.0985**	<0.0250	<0.0750	<0.0750	<0.0250
	8/17/11	<0.00020	<0.0200	<0.100	**0.0984**	<0.0050	<0.0150	<0.0750	<0.0050
	2/14/12	<0.00020	<0.0200	<0.0200	**0.0731**	<0.0050	<0.0150	<0.0150	<0.0050
	8/10/12	<0.00020	<0.0200	<0.0200	**0.0851**	<0.0050	<0.0150	<0.0150	<0.0050
MWD-4	2/5/09	<0.00020	**0.0275**	<0.0200	**0.804**	<0.0050	<0.0150	<0.0150	<0.0050
	8/6/09	<0.00020	**0.0344**	<0.0200	**0.51**	<0.0050	<0.0150	<0.0150	<0.0050
	2/5/10	<0.00020	**0.0382**	<0.0200	**0.618**	<0.0050	<0.0150	**0.018**	<0.0050
	8/20/10	<0.00020	**0.0331**	<0.0200	**0.45**	<0.0050	<0.0150	<0.0150	<0.0050
	4/14/11	<0.00020	**0.0324**	<0.0200	**0.334**	<0.0050	<0.0150	<0.0150	<0.0050
	8/17/11	<0.00020	**0.0257**	<0.0200	**0.468**	<0.0050	<0.0150	<0.0150	<0.0050
	2/9/12	<0.00020 J	<0.0200	<0.0200	**0.542**	**0.0052**	<0.0150	<0.0150	<0.0050
	8/9/12	<0.00020	<0.0200	<0.0200	**0.599**	<0.0050	<0.0150	<0.0150	<0.0050

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SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - RCRA 8 METALS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Mercury[1] (mg/L)	Arsenic[2] (mg/L)	Selenium[2] (mg/L)	Barium[2] (mg/L)	Cadmium[2] (mg/L)	Chromium[2] (mg/L)	Lead[2] (mg/L)	Silver[2] (mg/L)
NMWQCC Standard[3]		**0.002**	**0.1**	**0.05**	**1**	**0.01**	**0.05**	**0.05**	**0.05**
MWD-5	2/12/09	<0.00020	**0.088**	<0.0200	**6.35**	<0.0050	<0.0150	<0.0150	<0.0050
	8/12/09	<0.00020	**0.116**	<0.0200	**5.69**	<0.0050	<0.0150	<0.0150	<0.0050
	2/9/10	<0.00020	**0.143**	<0.0200	**6.91**	<0.0050	<0.0150	<0.0150	<0.0050
	8/6/10	<0.00020	**0.106**	<0.0200	**5.65**	<0.0050	<0.0150	<0.0150	<0.0050
	4/15/11	0.00030	**0.133**	<0.0200	**6.10**	<0.0050	<0.0150	<0.0150	<0.0050
	8/15/11	<0.00020	**0.0930**	<0.0200	**6.02**	<0.0050	<0.0150	<0.0150	<0.0050
	2/6/12	Not Sampled							
	8/8/12	<0.00020	<0.0200	<0.0200 J	**7.96**	<0.0050	<0.0150	<0.0150	<0.0050
MWD-6	2/12/09	<0.00020	<0.0200	<0.0200	**0.274**	<0.0050	<0.0150	<0.0150	<0.0050
	8/7/09	<0.00020	<0.0200	<0.0200	**1.7**	<0.0050	<0.0150	<0.0150	<0.0050
DUP-1	8/7/09	<0.00020	<0.0200	<0.0200	**1.56**	<0.0050	<0.0150	<0.0150	<0.0050
	2/5/10	<0.00020	<0.0200	<0.0200	**1.41**	<0.0050	<0.0150	**0.0293**	<0.0050
	8/20/10	<0.00020	<0.0200	<0.0200	**2.01**	<0.0050	<0.0150	<0.0150	<0.0050
	4/15/11	<0.00020	<0.0200	<0.0200	**1.49**	<0.0050	<0.0150	<0.0150	<0.0050
	8/15/11	<0.00020	<0.0200	<0.0200	**2.30**	<0.0050	<0.0150	<0.0150	<0.0050
	2/9/12	<0.00020 J	**0.0329**	<0.0200	**1.33**	<0.0050	<0.0150	**0.0263**	<0.0050
	8/8/12	<0.00020	<0.0200	<0.0200 J	**1.13**	<0.0050	<0.0150	<0.0150	<0.0050
(Dup)	8/8/12	<0.00020	<0.0200	<0.0200	**1.15**	<0.0050	<0.0150	<0.0150	<0.0050
MWD-7	2/11/09	<0.00020	<0.020	<0.020	**0.0326**	<0.0050	<0.0150	<0.0150	<0.0050
	8/6/09	<0.00020	<0.0200	<0.0200	**0.0361**	<0.0050	<0.0150	<0.0150	<0.0050
	2/8/10	<0.00020	<0.0200	<0.0200	**0.0354**	<0.0050	<0.0150	<0.0150	<0.0050
	8/4/10	<0.00020	<0.0200	<0.0200	**0.0346**	<0.0050	<0.0150	<0.0150	<0.0050
	4/14/11	<0.00020	<0.0200	<0.0200	**0.0364**	<0.0050	<0.0150	<0.0150	<0.0050
	8/17/11	<0.00020	<0.0200	<0.0200	**0.0370**	<0.0050	<0.0150	<0.0150	<0.0050
	2/16/12	<0.00020	<0.0200	<0.0200	**0.0419**	<0.0050	<0.0150	<0.0150	<0.0050
	8/13/12	<0.00020	**0.0266**	<0.0200	**0.0338**	<0.0050	<0.0150	**0.0172**	<0.0050

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SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - RCRA 8 METALS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Mercury[1] (mg/L)	Arsenic[2] (mg/L)	Selenium[2] (mg/L)	Barium[2] (mg/L)	Cadmium[2] (mg/L)	Chromium[2] (mg/L)	Lead[2] (mg/L)	Silver[2] (mg/L)
NMWQCC Standard[3]		**0.002**	**0.1**	**0.05**	**1**	**0.01**	**0.05**	**0.05**	**0.05**
MWD-8	2/10/09	<0.00020	<0.020	<0.020	0.0733	<0.0050	<0.0150	<0.0150	<0.0050
	8/11/09	<0.00020	<0.0200	<0.0200	**0.0716**	<0.0050	**0.0222**	<0.0150	<0.0050
	2/8/10	<0.00020	<0.0200	<0.0200	**0.069**	<0.0050	<0.0150	<0.0150	<0.0050
	8/5/10	<0.00020	<0.0200	<0.0200	**0.0609**	<0.0050	<0.0150	<0.0150	<0.0050
	4/15/11	<0.00020	<0.0200	<0.0200	**0.0652**	<0.0050	**0.0164**	<0.0150	<0.0050
	8/17/11	<0.00020	<0.0200	<0.0200	**0.0666**	<0.0050	<0.0150	<0.0150	<0.0050
	2/13/12	<0.00020	<0.0200	<0.0200	**0.0590**	<0.0050	<0.0150	<0.0150	<0.0050
	8/9/12	<0.00020	<0.0200	<0.0200 J	**0.0555**	<0.0050	<0.0150	<0.0150	<0.0050
MWD-10	2/12/09	<0.00020	**0.0866**	<0.0200	**0.625**	<0.0050	<0.0150	<0.0150	<0.0050
	8/10/09	<0.00020	**0.0739**	<0.0200	**0.517**	<0.0050	<0.0150	<0.0150	<0.0050
DUP-2	8/10/09	<0.00020	**0.0717**	<0.0200	**0.499**	<0.0050	<0.0150	<0.0150	<0.0050
	2/9/10	<0.00020	**0.0717**	<0.0200	**0.563**	<0.0050	<0.0150	<0.0150	<0.0050
	4/15/11	Not Sampled - LNAPL							
	8/19/11	<0.00020	**0.0695**	<0.0200	**1.02**	<0.0050	<0.0150	<0.0150	<0.0050
	2/6/12	Not Sampled							
	8/7/12	Not Sampled							
MWD-11	2/10/09	<0.00020	<0.020	<0.020	**0.0906**	<0.0050	<0.0150	<0.0150	<0.0050
	8/12/09	<0.00020	<0.0200	<0.0200	**0.0849**	<0.0050	<0.0150	<0.0150	<0.0050
	2/8/10	<0.00020	<0.0200	<0.0200	**0.0856**	<0.0050	<0.0150	<0.0150	<0.0050
	8/5/10	<0.00020	<0.0200	<0.0200	**0.0736**	<0.0050	<0.0150	<0.0150	<0.0050
	4/15/11	<0.00020	<0.0200	<0.0200	**0.0811**	<0.0050	<0.0150	<0.0150	<0.0050
DUP-4	4/15/11	<0.00020	<0.0200	<0.0200	**0.0813**	<0.0050	<0.0150	<0.0150	<0.0050
	8/19/11	<0.00020	<0.0200	<0.0200	**0.0856**	<0.0050	<0.0150	<0.0150	<0.0050
DUP-3	8/19/11	<0.00020	<0.0200	<0.0200	**0.0835**	<0.0050	<0.0150	<0.0150	<0.0050
	2/10/12	<0.00020 J	<0.0200	<0.0200	**0.0710**	<0.0050	<0.0150	**0.0345**	<0.0050
	8/9/12	<0.00020	<0.0200	<0.0200 J	**0.0616**	<0.0050	<0.0150	<0.0150	<0.0050
(Dup)	8/9/12	<0.00020	<0.0200	<0.0200	**0.0600**	<0.0050	<0.0150	<0.0150	<0.0050

TA 13

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - RCRA 8 METALS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Mercury[1] (mg/L)	Arsenic[2] (mg/L)	Selenium[2] (mg/L)	Barium[2] (mg/L)	Cadmium[2] (mg/L)	Chromium[2] (mg/L)	Lead[2] (mg/L)	Silver[2] (mg/L)
NMWQCC Standard[3]		0.002	0.1	0.05	1	0.01	0.05	0.05	0.05
MWD-12	2/10/09	<0.00020	0.0534	<0.0200	0.502	<0.0050	<0.0150	<0.0150	<0.0050
	8/6/09	<0.00020	0.0617	<0.0200	0.463	<0.0050	<0.0150	<0.0150	<0.0050
	2/5/10	<0.00020	0.0629	<0.0200	0.481	<0.0050	<0.0150	<0.0150	<0.0050
	8/4/10	<0.00020	0.0636	<0.0200	0.41	<0.0050	<0.0150	<0.0150	<0.0050
	4/14/11	<0.00020	0.0632	<0.0200	0.363	<0.0050	<0.0150	<0.0150	<0.0050
	8/17/11	<0.00020	0.0572	<0.0200	0.404	<0.0050	<0.0150	<0.0150	<0.0050
	2/10/12	<0.00020 J	0.0317	<0.0200	0.109	<0.0050	<0.0150	0.0299	<0.0050
	8/9/12	<0.00020	0.0761	<0.0200 J	0.346	<0.0050	<0.0150	<0.0150	<0.0050
MWD-13	2/5/09	<0.00020	0.0244	<0.0200	0.0361	<0.0050	<0.0150	<0.0150	<0.0050
DUP-1	2/5/09	<0.00020	<0.0200	<0.0200	0.0363	<0.0050	<0.0150	<0.0150	<0.0050
	8/7/09	<0.00020	0.0264	<0.0200	0.0747	<0.0050	<0.0150	<0.0150	<0.0050
	2/5/10	<0.00020	0.0257	<0.0200	0.0285	<0.0050	<0.0150	0.0211	<0.0050
	8/20/10	<0.00020	0.0245	<0.0200	0.0289	<0.0050	<0.0150	<0.0150	<0.0050
	4/15/11	<0.00020	<0.100	<0.100	0.0999	<0.0250	<0.0750	<0.0750	<0.0250
	8/17/11	<0.00020	0.0240	<0.100	0.0621	<0.0050	<0.0150	<0.0150	<0.0050
	2/9/12	<0.00020 J	0.0531	<0.0200	0.0733	<0.0050	<0.0150	0.0346	<0.0050
	8/10/12	<0.00020	0.0232	<0.0200	0.0411	<0.0050	<0.0150	<0.0150	<0.0050
MWD-14	2/12/09	<0.00020	0.0589	<0.0200	0.191	<0.0050	<0.0150	<0.0150	<0.0050
	8/10/09	<0.00020	0.0543	<0.0200	0.206	<0.0050	<0.0150	<0.0150	<0.0050
	2/9/10	<0.00020	0.0612	<0.0200	0.201	<0.0050	<0.0150	<0.0150	<0.0050
	8/5/10	<0.00020	0.052	<0.0200	0.34	<0.0050	<0.0150	<0.0150	<0.0050
	4/15/11	Not Sampled							
	8/19/11	<0.00020	0.0587	<0.0200	0.422	<0.0050	<0.0150	<0.0150	<0.0050
DUP-4	8/19/11	<0.00020	0.0602	<0.0200	0.394	<0.0050	<0.0750	<0.0150	<0.0250
	2/17/12	<0.00020	0.0585	<0.0200	0.602	<0.0050	<0.0150	0.0171	<0.0050
(Dup)	2/17/12	<0.00020	0.0532	<0.0200	0.623	<0.0050	<0.0150	<0.0150	<0.0050
	8/9/12	<0.00020	0.0265	<0.0200 J	1.42	<0.0050	<0.0150	<0.0150	<0.0050

TABLE 13

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - RCRA 8 METALS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Mercury[1] (mg/L)	Arsenic[2] (mg/L)	Selenium[2] (mg/L)	Barium[2] (mg/L)	Cadmium[2] (mg/L)	Chromium[2] (mg/L)	Lead[2] (mg/L)	Silver[2] (mg/L)
NMWQCC Standard[3]		**0.002**	**0.1**	**0.05**	**1**	**0.01**	**0.05**	**0.05**	**0.05**
MWD-15	2/12/09	<0.00020	0.054	<0.0200	0.647	<0.0050	<0.0150	<0.0150	<0.0050
DUP3	2/12/09	<0.00020	0.0606	<0.0200	0.618	<0.0050	<0.0150	<0.0150	<0.0050
	8/12/09	<0.00020	<0.100	<0.100	**0.377**	<0.0250	<0.0750	<0.0750	<0.0250
	2/8/10	<0.00020	<0.100	<0.100	**0.368**	<0.0250	<0.0150	<0.0750	<0.0050
	8/5/10	<0.00020	**0.0785**	<0.0200	**0.32**	<0.0050	<0.0750	<0.0150	<0.0250
	4/15/11	<0.00020	<0.100	<0.100	**0.103**	<0.0250	<0.150	<0.0750	<0.0500
	8/19/11	<0.00020	**0.0749**	<0.0200	**0.402**	<0.0050	<0.0150	<0.0150	<0.0050
	2/16/12	<0.00020	<0.100	<0.100	**0.0849**	<0.0250	<0.0750	<0.0750	<0.0250
	8/10/12	<0.00020	**0.0707**	<0.0200	**0.193**	<0.0050	<0.0150	<0.0150	<0.0050
MWD-16	2/12/09	<0.00020	**0.0376**	<0.0200	**0.833**	<0.0050	<0.0150	<0.0150	<0.0050
	8/10/09	<0.00020	**0.0484**	<0.0200	**0.703**	<0.0050	<0.0150	<0.0150	<0.0050
	2/9/10	<0.00020	**0.0426**	<0.0200	**0.76**	<0.0050	<0.0150	<0.01150	<0.0050
	8/5/10	<0.00020	**0.0399**	<0.0200	**0.725**	<0.0050	<0.0150	<0.0150	<0.0050
	4/15/11	Not Sampled							
	8/8/11	No Access - Construction on Site							
	2/6/12	Not Sampled							
	8/7/12	Not Sampled							
MWD-17	2/12/09	<0.00020	**0.471**	<0.0200	**0.366**	<0.0050	<0.0150	<0.0750	<0.0250
	8/12/09	<0.00020	**0.616**	<0.100	**0.169**	<0.0250	<0.0750	<0.0750	<0.0250
	2/9/10	<0.00020	**0.535**	<0.100	**0.509**	<0.0250	<0.0150	<0.0750	<0.0050
	8/6/10	<0.00020	**0.669**	<0.100	**0.387**	<0.0250	<0.0750	<0.0750	<0.0250
	4/15/11	<0.00020	**0.376**	<0.100	**0.513**	<0.0250	<0.0750	<0.0750	<0.0250
	8/16/11	<0.00020	**0.600**	<0.100	**0.181**	<0.0250	<0.0750	<0.0750	<0.0250
	2/21/12	<0.00020	**0.999**	<0.0200	**0.222**	<0.0050	<0.0150	<0.0150	<0.0050
	8/24/12	<0.00070	<0.0680	<0.0750	**0.493**	<0.0036	<0.0110	<0.0510	<0.0120

TABLE 13
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - RCRA 8 METALS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Mercury[1] (mg/L)	Arsenic[2] (mg/L)	Selenium[2] (mg/L)	Barium[2] (mg/L)	Cadmium[2] (mg/L)	Chromium[2] (mg/L)	Lead[2] (mg/L)	Silver[2] (mg/L)
NMWQCC Standard[3]		**0.002**	**0.1**	**0.05**	**1**	**0.01**	**0.05**	**0.05**	**0.05**
Off Site Water Wells									
WW-1	2/2/09	Not Sampled							
	8/10/09	Not Sampled							
	2/9/10	Not Sampled							
	8/6/10	Not Sampled							
	4/15/11	Not Sampled							
	8/9/11	Not Sampled							
	2/6/12	Not Sampled							
	8/7/12	Not Sampled							
WW-2	2/2/09	Not Sampled							
	8/10/09	Not Sampled							
	2/9/10	Not Sampled							
	8/6/10	Not Sampled							
	4/15/11	Not Sampled							
	8/9/11	Not Sampled							
	2/6/12	Not Sampled							
	8/7/12	Not Sampled							
WW-3	2/2/09	Not Sampled							
	8/10/09	Not Sampled							
	2/9/10	Not Sampled							
	8/6/10	Not Sampled							
	4/15/11	Not Sampled							
	8/9/11	Not Sampled							
	2/6/12	Not Sampled							
	8/7/12	Not Sampled							

TABLE 13
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - RCRA 8 METALS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Mercury[1] (mg/L)	Arsenic[2] (mg/L)	Selenium[2] (mg/L)	Barium[2] (mg/L)	Cadmium[2] (mg/L)	Chromium[2] (mg/L)	Lead[2] (mg/L)	Silver[2] (mg/L)
NMWQCC Standard[3]		**0.002**	**0.1**	**0.05**	**1**	**0.01**	**0.05**	**0.05**	**0.05**
WW-4	2/3/09	Not Sampled							
	8/10/09	Not Sampled							
	2/9/10	Not Sampled							
	8/6/10	Not Sampled							
	4/15/11	Not Sampled							
	8/9/11	Not Sampled							
	2/6/12	Not Sampled							
	8/7/12	Not Sampled							
WW-5	2/3/09	Not Sampled							
	8/10/09	Not Sampled							
	2/9/10	Not Sampled							
	8/6/10	Not Sampled							
	4/15/11	Not Sampled							
	8/9/11	Not Sampled							
	2/6/12	Not Sampled							
	8/7/12	Not Sampled							
WW-6	2/3/09	Not Sampled							
	8/10/09	Not Sampled							
	2/9/10	Not Sampled							
	8/6/10	Not Sampled							
	4/15/11	Not Sampled							
	8/9/11	Not Sampled							
	2/6/12	Not Sampled							
	8/7/12	Not Sampled							

TABLE 13

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - RCRA 8 METALS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Mercury[1] (mg/L)	Arsenic[2] (mg/L)	Selenium[2] (mg/L)	Barium[2] (mg/L)	Cadmium[2] (mg/L)	Chromium[2] (mg/L)	Lead[2] (mg/L)	Silver[2] (mg/L)
NMWQCC Standard[3]		**0.002**	**0.1**	**0.05**	**1**	**0.01**	**0.05**	**0.05**	**0.05**
WW-7	2/2/09	Not Sampled							
	8/10/09	Not Sampled							
	2/9/10	Not Sampled							
	8/6/10	Not Sampled							
	4/15/11	Not Sampled							
	8/9/11	Not Sampled							
	2/6/12	Not Sampled							
	8/7/12	Not Sampled							
Deep Chloride Recovery Wells									
MWD-3	2/11/09	<0.00020	<0.100	<0.020	**0.461**	<0.0250	<0.0150	<0.0750	<0.0250
	8/18/09	<0.00020	<0.100	<0.100	**0.744**	<0.0250	<0.0750	<0.0750	<0.0250
	2/2/10	<0.00020	<0.100	<0.200	**0.273**	<0.0250	<0.150	<0.0750	<0.0250
	8/3/10	<0.00020	<0.200	<0.200	**0.275**	<0.0500	<0.150	<0.150	<0.0500
	4/15/11	Not Sampled - Pump							
	8/9/11	Not Sampled - Pump							
	2/6/12	Not Sampled - Pump							
	8/7/12	Not Sampled - Pump							
MWD-9	2/11/09	<0.00020	<0.100	<0.020	**0.0765**	<0.0050	<0.0150	<0.0750	<0.0250
	8/17/09	<0.00020	<0.100	<0.100	**0.0852**	<0.0250	<0.0750	<0.0750	<0.0250
	2/2/10	<0.00020	<0.100	<0.100	**0.0599**	<0.0250	<0.0750	<0.0750	<0.0050
	8/3/10	<0.00020	**0.0245**	<0.0200	**0.0645**	<0.0050	<0.0750	<0.0150	<0.0250
	4/15/11	Not Sampled - Pump							
	8/9/11	Not Sampled - Pump							
	2/6/12	Not Sampled - Pump							
	8/7/12	Not Sampled - Pump							

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SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - RCRA 8 METALS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Mercury[1] (mg/L)	Arsenic[2] (mg/L)	Selenium[2] (mg/L)	Barium[2] (mg/L)	Cadmium[2] (mg/L)	Chromium[2] (mg/L)	Lead[2] (mg/L)	Silver[2] (mg/L)
NMWQCC Standard[3]		**0.002**	**0.1**	**0.05**	**1**	**0.01**	**0.05**	**0.05**	**0.05**
RW-6	2/11/09	<0.00020	**0.0252**	<0.0200	**0.505**	<0.0050	<0.0150	<0.0750	<0.0250
	8/17/09	<0.00020	<0.100	<0.100	**0.409**	<0.0250	<0.0750	<0.0750	<0.0250
	2/2/10	<0.00020	<0.100	<0.100	**0.573**	<0.0250	<0.0750	<0.0750	<0.0050
	8/3/10	<0.00020	<0.100	<0.100	**0.261**	<0.0250	<0.0750	<0.0750	<0.0250
	4/15/11	Not Sampled - Pump							
	8/9/11	Not Sampled - Pump							
	2/6/12	Not Sampled - Pump							
	8/7/12	Not Sampled - Pump							
RW-7	2/12/09	0.0155	<0.100	<0.100	0.0679	<0.0250	0.0278	<0.0750	<0.0250
	8/17/09	<0.00020	<0.100	<0.100	0.0764	<0.0250	<0.0750	<0.0750	<0.0250
	2/2/10	<0.00020	<0.100	<0.200	**0.0716**	<0.0250	<0.150	<0.0750	<0.0250
	8/3/10	<0.00020	<0.100	<0.100	**0.0665**	<0.0250	<0.0750	<0.0750	<0.0250
	4/15/11	Not Sampled - Pump							
	8/9/11	Not Sampled - Pump							
	2/6/12	Not Sampled - Pump							
	8/7/12	Not Sampled - Pump							
RW-8	2/12/09	<0.00020	**0.0216**	<0.0200	**0.311**	<0.0050	<0.0150	<0.0150	<0.0050
	10/1/09	<0.00020	**0.0212**	<0.0200	**0.322**	<0.0050	<0.0150	<0.0150	<0.0050
	2/9/10	<0.00020	**0.0243**	<0.0200	**0.36**	<0.0050	<0.0150	<0.0150	<0.0050
	8/20/10	<0.00020	<0.100	<0.100	**0.0652**	<0.0250	<0.0750	<0.0750	<0.0250
	4/15/11	Not Sampled - Pump							
	8/9/11	Not Sampled - Pump							
	2/6/12	Not Sampled - Pump							
	8/7/12	Not Sampled - Pump							

TABLE 13

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - RCRA 8 METALS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE SOUTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Mercury[1] (mg/L)	Arsenic[2] (mg/L)	Selenium[2] (mg/L)	Barium[2] (mg/L)	Cadmium[2] (mg/L)	Chromium[2] (mg/L)	Lead[2] (mg/L)	Silver[2] (mg/L)
NMWQCC Standard[3]		0.002	0.1	0.05	1	0.01	0.05	0.05	0.05

Notes:

1. Dissolved Metal (Mercury) was analyzed by EPA Method 7470A.
2. Dissolved Metals (Arsenic, Barium, Cadmium, Chromium, Lead, Selenium & Silver) were analyzed by EPA Method 6010B.
3. New Mexico Water Quality Control Commission (NMWQCC) Standards 20.6.2.3103.A
4. mg/L (ppm) - milligrams per liter (parts per million)
5. LNAPL - Light non-aqueous phase liquid
6. Bold indicates that a COC was detected.
7. Shading indicates that a detected result exceeded the NMWQCC Standard.

DISCHARGE PERMIT GW-003

1. GENERAL PROVISIONS:

A. PERMITTEE AND PERMITTED FACILITY: The Oil Conservation Division (OCD) of the Energy, Minerals and Natural Resources Department issues Discharge Permit GW-003 (Discharge Permit) to Chevron U.S.A., Inc. (Owner/Operator), located at 1400 Smith Street, Houston, Texas 77002 to abate ground water and vadose zone contamination at its Eunice South Gas Plant (Facility) located in the NW/4 of the SW/4 of Section 27, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico. The facility is located approximately 4.5 miles south of Eunice, New Mexico between State Highway 207 (Eunice-Hobbs Highway) and State Highway 18.

Versado L.L.P. (Versado) is a limited partnership between Chevron and Targa Midstream Services (Targa). Versado is the current landowner of record for the land parcel where the Eunice South Gas Plant is located. The Facility is inactive; however, Targa on behalf of Versado presently operates a compressor station and operates a UIC Class II injection well.

When its ground water recovery system is operational, Chevron discharges approximately 180,000 barrels (7,560,000 gallons) per year of contaminated ground water. Ground water that may be affected by a spill, leak, or accidental discharge occurs at a depth of approximately 49 - 54 feet below ground surface, with a total dissolved solids concentration of approximately 1,000 - 1,300 mg/L.

B. SCOPE OF PERMIT: OCD has been granted authority to administer the Water Quality Act (Chapter 74, Article 6 NMSA 1978) as it applies to gas processing plants by statute and by delegation from the Water Quality Control Commission pursuant to Section 74-6-4(E) NMSA 1978.

The Water Quality Act and the rules issued under that Act protect ground water and surface water of the State of New Mexico by providing that, unless otherwise allowed by rule, no person shall cause or allow effluent or leachate to discharge so that it may move directly or indirectly into ground water unless such discharge is pursuant to an approved discharge plan. See 20.6.2.3104 NMAC and 20.6.2.3106 NMAC.

This Discharge Permit does not authorize any treatment of, or on-site disposal of, any materials, product, by-product, or oil field waste, including, but not limited to, the on-site disposal of lube oil, glycol, antifreeze, filters, elemental sulfur, washdown water, contaminated soil, and cooling tower blowdown water.

This Discharge Permit does not convey any property rights of any sort nor any exclusive privilege, and does not authorize any injury to persons or property, any invasion of other private rights, or any infringement of state, federal, or local laws, rules or regulations.

The Owner/Operator shall operate in accordance with the Discharge Permit conditions to comply with the Water Quality Act and the rules issued pursuant to that Act, so that neither a hazard to public health nor undue risk to property will result (see 20.6.2.3109C NMAC); so that no discharge will cause or may cause any stream standard to be violated (see 20.6.2.3109H(2) NMAC); so that no discharge of any water contaminant will result in a hazard to public health, (see 20.6.2.3109H(3) NMAC); and so that the numerical standards specified of 20.6.2.3103 NMAC are not exceeded.

The Owner/Operator shall not allow or cause water pollution, discharge, or release of any water contaminant that exceeds the Water Quality Control Commission (WQCC) standards specified at 20.6.2.3101 NMAC and 20.6.2.3103 NMAC or 20.6.4 NMAC (Water Quality Standards for Interstate and Intrastate Streams).

C. DISCHARGE PERMIT CONDITIONS: By signing this Discharge Permit, the Owner/Operator agrees to the specific provisions set out in this document, and the commitments made in the approved Discharge Plan Application and the attachments to that application, which are incorporated into the Discharge Permit by reference.

If this Discharge Permit is a permit renewal, it replaces the permit being renewed. Replacement of a prior permit does not relieve the Owner/Operator of its responsibility to comply with the terms of that prior permit while that permit was in effect.

D. DEFINITIONS: Terms not specifically defined in this Discharge Permit shall have the same meanings as those in the Water Quality Act or the rules adopted pursuant to that Act, as the context requires.

E. FILING FEES AND PERMIT FEES: Pursuant to 20.6.2.3114 NMAC, every facility that submits a discharge permit application for initial approval or renewal shall pay the permit fees specified in Table 1 and the filing fee specified in Table 2 of 20.6.2.3114 NMAC. OCD has already received the required $100.00 filing fee for this application. The flat fee for "Abatement of Ground Water and Vadose Zone Contamination at Oil and Gas Sites" is $2,600.00. The Owner/Operator shall submit this amount along with the signed Discharge Permit. Checks should be payable to the **"New Mexico Water Quality Management Fund,"** not the Oil Conservation Division.

F. EFFECTIVE DATE, EXPIRATION, RENEWAL CONDITIONS, AND PENALTIES FOR OPERATING WITHOUT A DISCHARGE PERMIT: This Discharge Permit is effective when the Division's Environmental Bureau receives the signed Discharge Permit from the Owner/Operator and the $2,600.00 fee. This Discharge Permit will expire on March 16, 2016. The Owner/Operator shall submit an application for renewal no later than 120 calendar days before that expiration date, pursuant to 20.6.2.3106F NMAC. If an Owner/Operator submits a renewal application at least 120 calendar days before the Discharge Permit expires and is in compliance with the approved Discharge Permit, then the existing Discharge Permit will not expire until OCD has approved or disapproved the renewal application. Operating with an expired Discharge Permit may subject the Owner/Operator to

civil and/or criminal penalties. See Section 74-6-10.1 NMSA 1978 and Section 74-6-10.2 NMSA 1978.

G. MODIFICATIONS: The Owner/Operator shall notify the Division's Environmental Bureau of any facility expansion, production increase, or process modification that would result in any significant modification in the discharge of water contaminants. See 20.6.2.3107C NMAC. The Division's Environmental Bureau may require the Owner/Operator to submit a permit modification pursuant to 20.6.2.3109E NMAC and may modify or terminate a permit pursuant to Section 74-6-5(M) through (N) NMSA 1978.

H. TRANSFER OF DISCHARGE PERMIT: Prior to any transfer of ownership, control, or possession (whether by lease, conveyance or otherwise) of the Facility, the transferor shall notify the transferee in writing of the existence of the Discharge Permit, and shall deliver or send by certified mail to the Division's Environmental Bureau a copy of such written notification, together with a certification or other proof that such notification has been received by the transferee pursuant to 20.6.2.3111 NMAC. Upon receipt of such notification, the transferee shall inquire into all of the provisions and requirements contained in the Discharge Permit, and the transferee shall be charged with notice of all such provisions and requirements as they appear of record in the Division's file or files concerning the Discharge Permit. Upon assuming either ownership or possession of the Facility the transferee shall have the same rights and responsibilities under the Discharge Permit as were applicable to the transferor. See 20.6.2.3111 NMAC.

Transfer of the ownership, control, or possession of the Facility does not relieve the transferor of responsibility or liability for any act or omission which occurred while the transferor owned, controlled, or was in possession of the Facility. See 20.6.2.3111E NMAC.

I. CLOSURE PLAN AND FINANCIAL ASSURANCE: The Owner/Operator shall notify the Division's Environmental Bureau in writing when any operations of its Facility are to be discontinued for a period in excess of six months. Upon review of the Owner/Operator's notice, the Division's Environmental Bureau will determine whether to modify this permit pursuant to 20.6.2.3107 NMAC and 20.6.2.3109E NMAC or to require the Owner/Operator to submit a closure plan and/or post-closure plan, including financial assurance.

J. COMPLIANCE AND ENFORCEMENT: If the Owner/Operator violates or is violating a condition of this Discharge Permit, the Division's Environmental Bureau may issue a compliance order requiring compliance immediately or within a specified time period, suspending or terminating this Discharge Permit, and/or assessing a civil penalty. See Section 74-6-10 NMSA 1978. The Division's Environmental Bureau may also commence a civil action in district court for appropriate relief, including injunctive relief. See Section 74-6-10(A)(2) NMSA 1978 and Section 74-6-11 NMSA 1978. The Owner/Operator may be subject to criminal penalties for discharging a water contaminant without a discharge permit or in violation of a condition of a discharge permit; making any false material statement, representation, certification or omission of material fact in an application, record, report, plan or other document filed, submitted or required to be maintained under the Water Quality Act; falsifying, tampering with

or rendering inaccurate any monitoring device, method or record required to be maintained under the Water Quality Act; or failing to monitor, sample or report as required by a permit issued pursuant to a state or federal law or regulation. See Section 74-6-10.2 NMSA 1978.

2. GENERAL FACILITY OPERATIONS:

A. OPERATIONAL MONITORING: The Owner/Operator shall comply with its approved monitoring programs pursuant 20.6.2.3107 NMAC.

1. Ground Water Monitoring System: The Owner/Operator shall monitor and sample all ground water monitor wells in accordance with its approved ground water abatement program.

2. Disposal of Chloride Contaminated Ground Water:

a. The Owner/Operator shall monitor its ground water recovery wells in accordance with its approved ground water abatement program.

b. The Owner/Operator shall determine the monthly volume and Total Dissolved Solids concentration of the contaminated ground water that it disposes of in accordance with its approved ground water abatement program.

B. CONTINGENCY PLANS: The Owner/Operator shall implement its approved Contingency Plans to cope with failure of the discharge permit or system in accordance with Permit Condition 2.F.

C. CLOSURE PLAN: After completing abatement of all ground water and vadose contamination required under Permit Condition 2.G, the Owner/Operator shall perform the following closure measures:

1. Remove or plug all lines leading to and from ground water recovery or injection wells so that a discharge can no longer occur.

2. Remove all abatement system components from the site, if applicable.

3. After receiving notification from the Division's Environmental Bureau that post-closure monitoring may cease, the Owner/Operator shall plug and abandon its monitor well(s).

D. RECORD KEEPING: The Owner/Operator shall maintain records of all inspections required by this Discharge Permit at its local office located at 240 Avenue O, Eunice, NM 88231 for a minimum of five years and shall make those records available for inspection by the Division's Environmental Bureau.

E. RELEASE REPORTING: The Owner/Operator shall comply with the following permit conditions, pursuant to 20.6.2.1203 NMAC, if it determines that a release of oil or other water contaminant, in such quantity as may with reasonable probability injure or be detrimental

to human health, animal or plant life, or property, or unreasonably interfere with the public welfare or the use of property, has occurred. The Owner/Operator shall report unauthorized releases of water contaminants in accordance with any additional commitments made in its approved Contingency Plan. If the Owner/Operator determines that any constituent exceeds the standards specified at 20.6.2.3103 NMAC, then it shall report a release to the Division's Environmental Bureau.

1. **Oral Notification:** As soon as possible after learning of such a discharge, but in no event more than twenty-four (24) hours thereafter, the Owner/Operator shall orally notify the Division's Environmental Bureau. The Owner/Operator shall provide the following:

- the name, address, and telephone number of the person or persons in charge of the facility, as well as of the Owner/Operator of the facility;
- the name and location of the facility;
- the date, time, location, and duration of the discharge;
- the source and cause of discharge;
- a description of the discharge, including its chemical composition;
- the estimated volume of the discharge; and,
- any actions taken to mitigate immediate damage from the discharge.

2. **Written Notification:** Within one week after the Owner/Operator has learned of the discharge, the Owner/Operator shall send written notification to the Division's Environmental Bureau verifying the prior oral notification as to each of the foregoing items and providing any appropriate additions or corrections to the information contained in the prior oral notification.

F. ABATEMENT PLAN: Pursuant to 20.6.2.4105A(6) NMAC, an Owner/Operator is exempt from the requirement to obtain and implement an Abatement Plan, as required in 20.6.2.4104 NMAC. However, an Owner/Operator's Discharge Permit must address abatement of contaminated ground water and be consistent with the requirements and provisions of Sections 20.6.2.4101, 20.6.2.4103, Subsections C and E of Section 20.6.2.4106, Sections 20.6.2.4107 and 20.6.2.4112 NMAC.

1. **Purpose of Abatement Plan:** The Owner/Operator shall abate polluted ground water so as to either remediate or protect the ground water for use as domestic and agricultural water supply.

2. **Abatement Standards and Requirements:** The Owner/Operator shall abate the vadose zone so that water contaminants in the vadose zone shall not contaminate ground water or surface water, through leaching, percolation or as the water table elevation fluctuates. The Owner/Operator, where the Total Dissolved Solids concentration is 10,000 mg/L or less, shall abate contaminated ground water so that toxic pollutant(s), as defined in 20.6.2.7WW NMAC, shall not be present and so that the standards of 20.6.2.3103 NMAC shall be met.

3. **Ground Water Abatement:** The Owner/Operator shall implement its approved ground water abatement program until it has remediated the contaminated ground water to meet the standards and requirements set forth in 20.6.2.4103 NMAC.

4. **Completion and Termination:** Pursuant to 20.6.2.4112 NMAC, abatement shall be considered complete when the standards and requirements specified in 20.6.2.4103 NMAC are met. At that time, the Owner/Operator shall submit an abatement completion report, documenting compliance with the standards and requirements set forth in 20.6.2.4103 NMAC and this Discharge Permit, to Division's Environmental Bureau for approval. The abatement completion report also shall propose any changes to long term monitoring and site maintenance activities, if needed, to be performed after termination of the abatement plan.

G. OTHER REQUIREMENTS:

1. **Inspection and Entry:** Pursuant to 20.6.2.4107A NMAC, the Owner/Operator shall allow the Division's Environmental Bureau, upon the presentation of proper credentials, to:

- enter the facility at reasonable times;
- inspect and copy records required by this discharge permit;
- inspect any treatment works, monitoring, and analytical equipment;
- sample any wastes, ground water, surface water, stream sediment, plants, animals, or vadose-zone material including vadose-zone vapor;
- use the Owner/Operator's monitoring systems and wells in order to collect samples; and
- gain access to off-site property not owned or controlled by the Owner/Operator, but accessible to the Owner/Operator through a third-party access agreement, provided that it is allowed by the agreement.

2. **Advance Notice:** Pursuant to 20.6.2.4107B NMAC, The Owner/Operator shall provide the Division's Environmental Bureau with at least four (4) working days advance notice of any sampling to be performed pursuant to this Discharge Permit, or any well plugging, abandonment or destruction at the facility site.

3. **Plugging and Abandonment:** Pursuant to 20.6.2.4107C NMAC, the Owner/Operator shall request by certified mail, approval by the Division's Environmental Bureau to plug and abandon a monitor well, unless such approval is required from the State Engineer. The proposed action shall be designed to prevent water pollution that could result from water contaminants migrating through the well or borehole. The proposed action shall not take place without written approval from the Division's Environmental Bureau, unless written approval or disapproval is not received by the Owner/Operator within thirty (30) days of the date of receipt of the proposal.

H. ANNUAL REPORT: The Owner/Operator shall submit its annual report for each calendar year pursuant to 20.6.2.3107 NMAC to the Division's Environmental Bureau by March 15th of the following year . The annual report shall include the following:

1. Results of its ground water monitoring program; including:

- summary tables listing laboratory analytic results of all ground water and soil samples. Any WQCC constituent found to exceed the groundwater standard shall be highlighted and noted in the annual report. Copies of the most recent year's laboratory analytical data sheets shall also be submitted.
- annual water table potentiometric maps. A corrected water table elevation shall be determined for all wells containing non-aqueous phase liquids. These maps shall show well locations, pertinent site features, and the direction and magnitude of the hydraulic gradient.
- semi-annual isopleth maps for the following constituents: non-aqueous phase liquids; chlorides; and, BTEX.
- semi-annual geologic cross-sections (both dip and strike), using the geologic/lithologic logs from the monitor, recovery, and injection wells, depicting the concentrations for the following constituents: non-aqueous phase liquids; chlorides; and, BTEX.
- estimate or measure of the volume of contaminated ground water discharged during each quarter and the total volume discharged to date.

2. Summary of any releases and corrective actions taken in accordance with its approved Contingency Plan.

3. **CLASS V WELLS:** Pursuant to 20.6.2.5002B NMAC, leach fields and other wastewater disposal systems at Division-regulated facilities that inject non-hazardous fluid into or above an underground source of drinking water are UIC Class V injection wells. This Discharge Permit does not authorize the use of a Class V injection well for the disposal of industrial waste at the Facility. Pursuant to 20.6.2.5005 NMAC, the Owner/Operator shall close any Class V industrial waste injection wells at its Facility that inject non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes (*e.g.*, septic systems, leach fields, dry wells, *etc.*) within 90 calendar days of the issuance of this Discharge Permit. The Owner/Operator shall document the closure of any Class V wells used for the disposal of non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes other than contaminated ground water in its Annual Report.

Other Class V wells, including wells used only for the injection of domestic wastes, must be permitted by the New Mexico Environment Department.

4. **SCHEDULE OF COMPLIANCE:**

A. PERMIT CERTIFICATION: The Owner/Operator shall sign and return this Permit to the Division's Environmental Bureau within 45 days of its receipt of this Permit.

B. SUBMISSION OF THE PERMIT FEES: As specified in Permit Condition 1.F, the Owner/Operator shall submit the fee of $2,600.00 along with the signed Discharge

Permit within 45 days of the receipt of the Discharge Permit. Checks should be payable to the **"New Mexico Water Quality Management Fund,"** not the Oil Conservation Division.

C. ANNUAL REPORT: As specified in Permit Condition 2.H, the Owner/Operator shall submit its annual report to the Division's Environmental Bureau by March 15th of the following year.

D. REQUIREMENT TO RESUME ABATEMENT PROGRAM: In February 2011, Chevron notified OCD that Targa would no longer allow Chevron to discharge contaminated ground water to its on-site UIC Class II injection well. Consequently, Chevron temporarily ceased operating its ground water abatement program. Chevron shall propose an alternate method of disposing the contaminated ground water to OCD no later than ninety (90) days after the issuance of this discharge permit.

5. CERTIFICATION: (OWNER/OPERATOR) by the officer whose signature appears below, acknowledges receipt of this Discharge Permit, and has reviewed its terms and conditions.

Chevron U.S.A. INC.
Company Name - print name

Robert A. Guldner
Company Representative - print name

Company Representative - Signature

Title: Manager OE/HES

Date: 01/23/2012