



Kegan W. Boyer, P.G.
Project Manager

Upstream Business Unit
Environmental Management
Company
1400 Smith Street
Room 07076
Houston, Texas 77002
Tel 713-372-7705
kegan.boyer@chevron.com

November 11, 2015

Dr. Tomáš Oberding
Hydrologist, Adv-District 1
Environmental Bureau
New Mexico Oil Conservation Division
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

Re: Discharge Permit Renewal Application
Former North Eunice Gas Plant
Discharge Permit GW-004

Dr. Oberding,

Chevron Environmental Management Company (CEMC) is pleased to submit this renewal application for Discharge Permit GW-004 associated with the environmental project at the Former North Eunice Gas Plant. Included in this renewal application are the following:

- State of New Mexico, Energy Minerals and Natural Resources, Oil Conservation Division form entitled *Discharge Plan Application For Service Companies, Gas Plants, Refineries, Compressor, Geothermal Facilities and Crude Oil Pump Stations*
- *Discharge Plan Application Attachments, Former Eunice North Gas Plant, Sec 28, T21S, R37E, Discharge Permit GW-004, Lea County, New Mexico* dated November 11, 2015

The above-referenced document *Discharge Plan Application Attachments* was prepared by GHD Services Inc. (GHD, formerly Conestoga-Rovers & Associates, CRA) on behalf of CEMC to document information required for the Discharge Permit renewal. For your convenience, this renewal application package has also been uploaded to the Oil Conservation Division (OCD) Secure FTP Server within the 'Chevron' folder. CEMC is providing two hard copies of this submittal package to the OCD Santa Fe and a courtesy hard copy to the OCD District I office as well.

As discussed in the attached documentation, this Discharge Plan Application is being submitted with respect to the environmental project associated with operations at the Former North Eunice Gas Plant and does not have any relationship to or bearing on the current or future operations by the current Site owner, Targa Midstream Services, LP.

Should you have any questions regarding the content of this discharge permit renewal application or any questions regarding the Former North Eunice Gas Plant project site, please do not hesitate to contact me by phone at 713-372-7705 or via e-mail at kegan.boyer@chevron.com.

November 11, 2015

Page 2

Sincerely,

Chevron Environmental Management Company, Attorney-in-Fact for Chevron USA, Inc.

A handwritten signature in blue ink, appearing to read 'K. Boyer', is written over a horizontal line.

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

encl: *Discharge Plan Application For Service Companies, Gas Plants, Refineries, Compressor, Geothermal Facilities and Crude Oil Pump Stations*

Discharge Plan Application Attachments, Former Eunice North Gas Plant, Sec 28, T21S, R37E, Discharge Permit GW-004, Lea County, New Mexico

Check for Filing Fee of \$100.00

cc: Mike Wisniowiecki, GHD
NMOCD District I

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Revised August 1, 2011

Submit Original
Plus 1 Copy
to Santa Fe
1 Copy to Appropriate
District Office

**DISCHARGE PLAN APPLICATION FOR SERVICE COMPANIES, GAS PLANTS,
REFINERIES, COMPRESSOR, GEOTHERMAL FACILITIES
AND CRUDE OIL PUMP STATIONS**

(Refer to the OCD Guidelines for assistance in completing the application)

☐ New ☒ Renewal ☐ Modification

1. Type: Discharge Permit GW-004 – Former Eunice North Gas Plant (Facility)

2. Operator: Chevron U.S.A., Inc.

Address: 1400 Smith Street, Houston, Texas 77002

Contact Person: Kegan Boyer Phone: 713-372-7705

3. Location: SE/4 NE/4 Section 28 Township 21 South Range 37 East

Submit large scale topographic map showing exact location.

4. Attach the name, telephone number and address of the landowner of the facility site.
5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.
6. Attach a description of all materials stored or used at the facility.
7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included.
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12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included.
13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.

14. CERTIFICATION I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

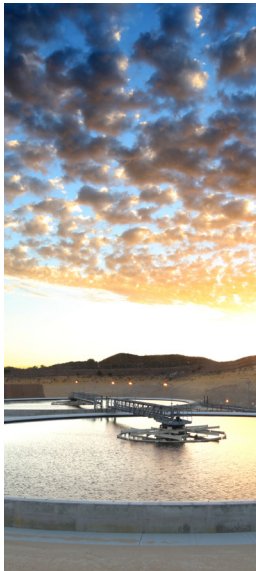
Name: Kegan W. Boyer, P.G.

Title: Attorney-in-Fact for Chevron USA, Inc.

Signature: 

Date: November 11, 2015

E-mail Address: Kegan.Boyer@chevron.com



Discharge Plan Application Attachments

Former Eunice North Gas Plant

Chevron Environmental Management Company

6320 Rothway Suite 100 Houston Texas 77040
073018 | November 11 2015



Kegan W. Boyer, P.G.
Project Manager

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Environmental Management
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1220 South Saint Francis Drive
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Re: Discharge Permit Renewal Application
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As discussed in the attached documentation, this Discharge Plan Application is being submitted with respect to the environmental project associated with operations at the Former North Eunice Gas Plant and does not have any relationship to or bearing on the current or future operations by the current Site owner, Targa Midstream Services, LP.

Should you have any questions regarding the content of this discharge permit renewal application or any questions regarding the Former North Eunice Gas Plant project site, please do not hesitate to contact me by phone at 713-372-7705 or via e-mail at kegan.boyer@chevron.com.

November 11, 2015

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Chevron Environmental Management Company, Attorney-in-Fact for Chevron USA, Inc.

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

encl: *Discharge Plan Application For Service Companies, Gas Plants, Refineries, Compressor, Geothermal Facilities and Crude Oil Pump Stations*

Discharge Plan Application Attachments, Former Eunice North Gas Plant, Sec 28, T21S, R37E, Discharge Permit GW-004, Lea County, New Mexico

Check for Filing Fee of \$100.00

cc: Mike Wisniowiecki, GHD
NMOCD District I

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Revised August 1, 2011

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REFINERIES, COMPRESSOR, GEOTHERMAL FACILITIES
AND CRUDE OIL PUMP STATIONS**

(Refer to the OCD Guidelines for assistance in completing the application)

☐ New ☒ Renewal ☐ Modification

1. Type: Discharge Permit GW-004 – Former Eunice North Gas Plant (Facility)

2. Operator: Chevron U.S.A., Inc.

Address: 1400 Smith Street, Houston, Texas 77002

Contact Person: Kegan Boyer Phone: 713-372-7705

3. Location: SE/4 NE/4 Section 28 Township 21 South Range 37 East

Submit large scale topographic map showing exact location.

4. Attach the name, telephone number and address of the landowner of the facility site.
5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.
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7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included.
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14. CERTIFICATION I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Kegan W. Boyer, P.G.

Title: Attorney-in-Fact for Chevron USA, Inc.

Signature: 

Date: November 11, 2015

E-mail Address: Kegan.Boyer@chevron.com

CONESTOGA-ROVERS & ASSOCIATES, INC.6320 ROTHWAY, SUITE 100
HOUSTON, TX 77040JPMorgan Chase Bank, N.A.
www.Chase.com

5695

32-61-1110

DATE 11-09-2015PAY One hundred dollars and no cents DOLLARS \$ 100.00TO
THE
ORDER
OFNew Mexico Water Quality Management Fund
1220 South St. Francis Dr.
Santa Fe, NM 87505

MP

⑈005695⑈ ⑆1111000614⑆

113426325⑈

CONESTOGA-ROVERS & ASSOCIATES, INC.

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW.
IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.

PRODUCT 55203N

5695

DATE	DESCRIPTION	AMOUNT
11-09-2015	NMOCD Discharge Permit Renewal - Filing Fee "GW-004 Renewal"	\$100.00
	Project # 073018-2015-04	



November 11, 2015

Reference No. 073018

Kegan Boyer, P.G.
Project Manager
Upstream Business Unit
Chevron Environmental Management Company
1400 Smith Street, Room 07076
Houston, TX 77002

**Re: Discharge Plan Application Attachments
Former Eunice North Gas Plant
Sec 28, T21S, R37E
Discharge Permit GW-004
Lea County, New Mexico**

Dear Mr. Boyer:

GHD Services, Inc. (FKA Conestoga-Rovers and Associates) is pleased to present the Discharge Plan Application (DPA) form and attachments for the renewal of Discharge Permit GW-004 for the Former Eunice North Gas Plant site (the Site) to Chevron Environmental Management Company (CEMC). This DPA will be submitted by CEMC to the New Mexico Oil Conservation Division (NMOCD).

The need for submission of this DPA is based on a meeting held between NMOCD and CEMC at NMOCD offices in Santa Fe, New Mexico on October 12, 2015. This DPA pertains only to the assessment and remediation of ground water and vadose zone contamination resulting from historic releases of produced chloride and chromium-impacted water and hydrocarbon fluids and does not include activities or conditions resulting from current or future operations performed by the current facility owner and operator.

The Site is located approximately 4.5 miles south of the town of Eunice in the southeast quarter (SE/4) of the northeast quarter (NE/4) of Section 28, Township 21 South (T-22-S), Range 37 East (R-37-E) (Figure 1). The approximate latitude/longitude coordinates for the Site are 32°27'01.46"N and 103°09'42.71"W. For the purpose of this Plan, the Site is comprised of the original gas plant property [formerly operated by Texaco Exploration and Production, Inc. (Texaco)] and surrounding areas included in the groundwater monitoring program. A Site Location map is provided as Figure 1.

In the early 1990s, Texaco discovered benzene and chromium contamination in soils and groundwater at the Site. In 1996, the NMOCD required an initial investigation of sumps at the plant as a condition of Groundwater Discharge Permit GW-004 (formerly issued to Texaco). This investigation confirmed dissolved benzene and chromium in groundwater at concentrations exceeding New Mexico Water Quality Control Commission (NMWQCC) human health standards. It was speculated that the source of the chromium contamination was from cooling tower blow-down waters being discharged around

the surface of the plant. Sequential discharge permits have been submitted as needed. The current permit GW-004 was approved in January 2012 and expires on March 16, 2016, a copy is provided in Attachment A.

CEMC met with NMOCD in September 2014 to review and discuss ongoing Site activities and efforts to address remaining issues, including remediation of hexavalent chromium, chloride and hydrocarbon-impacted groundwater.

Discharge Plan Application

The following sections provides required information as outlined in the NMOCD form *Discharge Plan Application for Service Companies, Gas Plants, Refineries, Compressor, Geothermal Facilities, and Crude Oil Pump Stations*. Within that form, there are 14 items identified as required for the discharge plan renewal. Each of those items is addressed below.

Items #1, #2, and #3 – DPA Items 1 through 3 has been completed in the spaces provided in the DPA form. As detailed on the included DPA form, Items 4 through 13 are to be attached to the DPA form when submitted to NMOCD for consideration and approval. These Items are listed below in this accompanying document, with corresponding materials provided or attached to this document.

Item #4 – Attach the name, telephone number and address of the landowner of the facility site.

Item #4 Response – 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 (NGL). Texaco operated the plant into the 1980s when the plant operations ceased and much of the equipment was dismantled and/or shut-in. Structures remaining on Site include two compressors, a compressor building, a cooling tower, former office buildings, above-ground storage tanks, gas flare, sumps, and piping. Operations were transferred to Versado Gas Processors, LLC (Versado) on July 1, 1998. Versado was a limited liability partnership originally between Chevron and Dynegy Midstream Services (Dynegy). Dynegy continued to operate the two compressors in the northern portion of the Site. Dynegy subsequently was purchased by Targa Midstream Services, L.P. (Targa). Targa became a partner with Versado and currently operates the facility as a natural gas compressor station under an agreement with Chevron. Targa Midstream Service, L.P. is the current landowner of the facility, with headquarter offices at 1000 Louisiana Street, Suite 4300, Houston, TX 77002, telephone number (713) 584-1000. As noted above, the DPA is associated solely with the environmental assessment and remediation project being managed by CEMC and is not related to any current or future operations at the Site conducted by Targa.

Item #5 – Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.

Item #5 Response – Targa currently operates the compressor stations, with the remainder of the facility partially dismantled and with much of the equipment shut-in. A Site Details map is provided as Figure 2, indicating areas of facility operations and related equipment, fenced boundaries, and previous hydrocarbon, chromium and chloride investigations.

The natural gas processing plant was originally constructed by Skelly Oil Company in the 1940s and was 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 (NGL). Texaco operated the plant into the 1980s when the plant operations ceased and much of the equipment was dismantled and/or shut-in. Structures remaining on Site include two compressors, a compressor building, a cooling tower, former office buildings, above-ground storage tanks, sumps, and piping. The Site is no longer operated as a gas plant. It has been partially dismantled with much of the equipment shut-in and is currently operated as a natural gas compressor station by Targa under an agreement with Chevron. Targa continues to operate two compressors in the northwest portion of the Site. There is also an operating flare used to burn unwanted combustible vapors.

Residential properties are present adjacent to the south boundary of the Targa facility and to the northeast of the facility along Continental Road. In addition to supporting compressor station and oilfield activities, the gently sloping land adjacent to the facility, highways and railroad right-of-way supports livestock grazing.

Item #6 – Attach a description of all materials stored or used at the facility.

Item #6 Response – This DPA pertains to the assessment and remediation of ground water and vadose zone contamination resulting from historic releases of produced chloride-impacted water and hydrocarbon fluids and does not include activities or conditions resulting from current or future operations performed by the current facility owner/operator (Targa). CEMC does not maintain information regarding a description of materials stored or used at the facility by Targa. Additionally, CEMC does not store or use any materials at the facility.

Item #7 – Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included.

Item #7 Response – This DPA pertains to the assessment and remediation of ground water and vadose zone contamination resulting from historic releases of produced chloride-impacted water and hydrocarbon fluids and does not include activities or conditions resulting from current or future operations performed by the current facility owner/operator (Targa). CEMC does not maintain information regarding a description of present sources of effluent or waste solids generated at the facility by Targa. Additionally, CEMC does not generate any effluent or waste solids as part of their assessment/remediation project.

Item #8 – Attach a description of current liquid and solid waste collection/treatment/disposal procedures.

Item # 8 Response – This DPA pertains to the assessment and remediation of ground water and vadose zone contamination resulting from historic releases of produced chloride-impacted water and hydrocarbon fluids and does not include activities or conditions resulting from current or future operations performed by the current facility owner/operator (Targa). CEMC does not maintain information regarding a description of current liquid and solid waste collection/treatment/disposal procedures performed at the facility by Targa.

CEMC generates small quantities of waste water during semi-annual monitor well sampling activities, typically less than 500 gallons per year.

Item #9 – Attach a description of proposed modifications to existing collection/treatment/disposal systems.

Item #9 Response – This DPA pertains to the assessment and remediation of ground water and vadose zone contamination resulting from historic releases of produced chloride-impacted water and hydrocarbon fluids and does not include activities or conditions resulting from current or future operations performed by the current facility owner/operator (Targa). CEMC does not maintain information regarding the description of proposed modifications to existing collection/treatment/disposal systems at the facility by Targa.

Item #10 – Attach a routine inspection and maintenance plan to ensure permit compliance.

Item #10 Response – This DPA pertains to the assessment and remediation of ground water and vadose zone contamination resulting from historic releases of produced chloride-impacted water and hydrocarbon fluids and does not include activities or conditions resulting from current or future operations performed by the current facility owner/operator (Targa). CEMC does not maintain information regarding routine inspections or maintenance plans to ensure permit compliance at the facility by Targa.

Item #11 – Attach a contingency plan for reporting and clean-up of spills or releases.

Item #11 Response – This DPA pertains to the assessment and remediation of ground water and vadose zone contamination resulting from historic releases of produced chloride-impacted water and hydrocarbon fluids and does not include activities or conditions resulting from current or future operations performed by the current facility owner/operator (Targa). CEMC does not maintain information regarding a contingency plan for reporting and clean-up of spills or releases at the facility by Targa.

However, in the event of a minor spill or release that may occur during groundwater monitoring activities CEMC and GHD would work to immediately contain and control the release, recovery any fluids pooled on the surface, and assess and restore surface soil conditions to their original condition.

Item #12 – Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included.

Item #12 Response – Geological and hydrogeological information for the facility is presented in Figures 3 and 4, including geological cross sections with 2014 potentiometric levels and ground water quality data (chloride and dissolved hydrocarbon concentrations). Ground water quality Tables 1 through 9 from the 2014 Annual Groundwater Monitoring Report (Conestoga-Rovers & Associates, Inc., submitted to NMOCD in February, 2015) are also included.

The Site is located in an area with somewhat limited published specific information about the near-surface geology. Most investigations of the geology are concerned with the deeper oil producing formations. The regional geology and hydrogeology is referenced from the Groundwater Investigation and Remediation Activities Report (Arcadis G&M, Inc., 2004).

Regional Geology

The Site is located in the Eunice Plain physiographic subdivision of the Great Plains Province. This is described as an area that is “underlain by a hard caliche surface and is almost entirely covered by reddish-brown dune sand. The sand cover is 2 to 5 feet thick over much of the area, but locally is as much as 20 to 30 feet thick, especially in the drift area (US Department of Agriculture Soil Conservation Service (SCS) Soil Survey of Lea County (1974)).” The United States Geological Survey (USGS) describes the near-surface geology of southern Lea County as “an intergrade of the Quaternary Alluvium sediments (i.e., fine to medium sand) with the mostly eroded Cenozoic Ogallala formation” (Nicholson and Clebsch, 1961).

Site Geology

The geologic formations of interest at the Site include the Triassic Chinle, Cretaceous undifferentiated, Tertiary Ogallala, and Quaternary eolian sedimentation, designated the Blackwater Draw. Of particular interest with regard to the impact of constituents of concern (COCs) released to groundwater are the Tertiary Ogallala and Quaternary Blackwater Draw.

The lower Tertiary Ogallala formation is composed of fluvial sediments of the Miocene-Pliocene epochs. It is a heterogeneous combination of clay, silt, sand, and gravel of braided-stream deposits interbedded with, and overlain by, eolian sediments deposited as sand sheets and loess resting directly upon an erosional surface carved into the Triassic Chinle Formation under the Site. These beds dip to the east or southeast and limits downward percolation of groundwater from the Ogallala Formation. The thickness of the Chinle Formation ranges up to about 300 feet. The fluvial Ogallala sediments were deposited on a sloping plain in the form of coalescing alluvial fans, by streams that originated in the Rocky Mountains to the west and northwest. The Ogallala Formation was deposited in laterally restricted lenses of material, predominantly medium to yellowish-gray conglomeratic sandstone and fine to medium-grained well-sorted sandstone. The primary fresh water-bearing formation under and in the vicinity of the Site is the Ogallala. The beds of the Ogallala have a generalized slope to the east, but may vary locally due to erosional irregularities in the underlying surface. The Ogallala Formation ranges in thickness up to approximately 100 feet.

In contrast to the fluvial deposition of the lower Ogallala sediments, the upper part of the Ogallala and all of the Blackwater Draw Formation overlying the Ogallala are composed of windblown (eolian) deposits. The very fine sand facies of the upper Ogallala are thick, ranging up to 125 feet and capped by the Caprock caliche or calcrete, marking the top of the Ogallala.

The Blackwater Draw Formation occurs as a mantle of Quaternary eolian sediment locally as thick as 100 feet, covering an area of the South High Plains of northeastern Texas and eastern New Mexico. Throughout the depositional time of the Blackwater Draw Formation, laterally restricted lenticular layers of eolian and playa or lacustrine facies were formed. The Blackwater Draw Formation occurs near the ground surface at the Site and contains reddish sediments composed of up to six well-developed buried soils with similar lithology and morphology. The soil development occurred during periods of landscape stability, separated by intermittent periods of deposition or by deflation that stripped surface horizons from newly developed soils.

Surface Water Hydrology

Monument Draw is the only major surface drainage feature in southern Lea County and runs north to south slightly over two miles east of the Site. The overall topography in the area of the Site slopes gently from west to east to Monument Draw at an approximate dip of 35 feet per mile. Small closed basins or playas exist on this sloping surface. The elevation of the site ranges from approximately 3,439 feet above mean sea level (AMSL) along the west side of the facility to approximately 3,397 feet AMSL along the east side at the TXNM railroad tracks. Storm and surface water runoff generally follow the surface topography, and flow east toward Monument Draw, approximately 0.9 miles from the site. The drainage system is poorly developed at the Site, but becomes more defined towards Monument Draw. This draw is an ephemeral stream valley about 35 miles long located slightly more than a mile east of the Site. There is no noted surface water reservoirs located within two miles of the site with the exception of four ponds found at the City of Eunice water treatment plant approximately 0.6 miles southeast of the facility. The topography at the Site is nearly level with a slope to the east of about 40 to 45 feet per mile in the vicinity of the site.

Hydrogeology

The primary source of freshwater at the Site is the Ogallala Formation, which is hydraulically unconfined in the area of the Site. It is bounded on the base of the aquifer by an eroded surface of a firm red silty clay of the Chinle Formation. The base of the Ogallala is composed of a 5 to 10-foot interval of gravel/sand/clay, which is termed the “deep” water-bearing zone. The gravel unit is overlain by a red to yellow sand that exhibits vertical heterogeneity with alternating layers of loose and well-consolidated sand. This overlying unit constitutes the “shallow” water-bearing zone. Wells screened in the gravel unit have 40 to 50 feet of hydraulic head. Wells screened in the shallow water-bearing zone have screens that intersect the groundwater table and typically have 10 to 45 feet of saturation. Overall depth to groundwater varies with local topography and ranges from 39 to 66 feet below the surface.

The Ogallala Formation is regionally known as the High Plains Aquifer. Recharge to the Ogallala Formation occurs through infiltration of rainfall and snowmelt. Discharge occurs primarily through pumping from wells. Based upon the recorded depth to groundwater measurements, groundwater flow at the site is consistent with regional flow direction in the High Plains Aquifer, and is primarily to the east-northeast. Regionally, the groundwater gradient was to the east northeast in the area of the Site. However, a water table high now exists south of the plant, creating a hydraulic gradient that has southwest, west, northwest, north, and northeast trends. The elevations of the groundwater in the shallow and deep zones are similar, indicating there is hydraulic continuity between the zones.

A water well survey was conducted for the Site in 2015 and identified 29 water wells within a one-mile radius. Fourteen wells appear to be domestic water wells. Eleven wells are hydraulically up- or cross gradient while three are hydraulically downgradient (approximately 4,100 feet east-northeast of the facility). The other 15 water wells are either wells related to oil and gas production firms or environmental monitoring wells.

Soil and Groundwater Quality

As requested by NMOCD in 1996, focused soil and groundwater investigations and subsequent soil and groundwater remediation actions were performed from 1996 to 2015. During this period two sumps were removed and associated hydrocarbon-impacted soils over excavated. Two buried concrete and metal sumps located in the vicinity of monitor wells MW005 and MW006 (northeastern portion of the facility) were removed in 2003, along with approximately 740 cubic yards of hydrocarbon impacted soils. The area was over-excavated and backfilled during the remedial effort. Light non-aqueous phase liquids (LNAPLs) have been observed periodically in monitor wells MW005 and MW006 since the remediation was completed. Following excavation, a French drain (gravel bed with distribution piping) was installed to be used in potential future hydrocarbon remediation. Hydrocarbons in the near- and sub-surface soil are not currently being addressed because the area of impact is limited, and some inactive facility equipment must be demolished and removed by the current owner/operator before soil remediation work can begin. Soil cleanup will be based on the NMOCD's Recommended Remediation Action Level (RRAL) or EPA Region III Risk-based Concentration Tables. A geophysical and soil assessment of the former irrigation system for chloride at the facility was also performed in 2013, but no areas of elevated chloride soil concentrations were identified within the facility area.

Groundwater quality has been monitored at the Site since 1996. During the most recently reported groundwater monitoring event in November 2014, LNAPL was detected in one well, with a LNAPL thickness of 3.55 feet. Chromium (including hexavalent chromium) concentrations exceeded the NMWQCC standards in 12 shallow wells and 25 deep wells, benzene NMWQCC exceedances were recorded in five shallow wells and one deep well, and chloride NMWQCC exceedances were recorded in 38 shallow wells and 73 deep wells. Isoconcentration maps of the dissolved hexavalent chromium, hydrocarbon and chloride plumes as observed in the shallow and deep wells in May 2014 are include as Figures 5 through 10, respectively.

In addition, horizontal delineation of the chloride plume has not been completed. Groundwater delineation will be completed pending receipt of access to adjacent properties to install and sample an adequate number of monitoring wells with COC groundwater concentrations below the NMWQCC standards.

Item #13 – Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or order.

Item #13 Response - This DPA presents our current approach to investigating and mitigating the effects of both chromium and chloride-impacted groundwater believed to have been released from the former facility irrigation system, and of the effects of light non-aqueous phase liquid (LNAPL) and associated dissolved-phase hydrocarbon constituents. Site assessment of potential LNAPL sources within the facility has also been performed, with completion of assessment activities pending facility demolition by the current owner/operator. LNAPL recovery activities are currently being performed using hand bailing techniques as recoverable LNAPL is present in the wells. As selection and implementation of a final remedial approach necessary to achieve NMOCD cleanup goals has not been performed to date, CEMC continues to evaluate site assessment results and conditions in the design and development of potential appropriate remedial approaches.

Much of the characterization summary information is referenced from the 2003 Soils Investigation Summary Report (Arcadis, October 9, 2003), historical analytical data tables presented in the 2014 Annual Groundwater Monitoring Report, the Groundwater Investigation and Remediation Activities Report (Stantec Consulting Corporation, 2005), and the Chloride Soil Investigation Report (Conestoga-Rovers & Associates, Inc., January 2014).

Past operation of the gas plant by Texaco has resulted in impacts to the groundwater, both inside and outside of the plant boundaries. In the Proposed Scope of Work detailed below, CEMC proposes to complete assessment and delineation of the extent of chloride, chromium and petroleum hydrocarbon concentrations in the soil and groundwater. Based on currently available groundwater remediation data, CEMC is also including a description of on-going hydrocarbon remedial activities being performed at the Site.

The general recommended approach to assessment and remediation at the site is:

- Perform additional site investigation of Site soils and groundwater when demolition of the facility is completed by the current operator, and complete horizontal delineation of chloride, chromium and hydrocarbon-affected groundwater,
- Continue performance of ongoing semiannual monitoring, sampling and analysis of the groundwater,
- Continue the current recovery of LNAPL as recoverable LNAPL is present in the wells, and
- Evaluate site assessment results and conditions in the design and development of potential appropriate remedial approaches for chloride and chromium-impacted groundwater.

Remediation of chloride, chromium and hydrocarbon-affected soils, when identified by additional assessment activities, will be evaluated and performed as deemed technically feasible. Site restoration will be performed upon completion of site demolition by the current facility operator, Targa Midstream Services, L.P. (Targa). The details of this plan will be finalized based on data obtained information obtained during the subsurface investigation work.

Although final decisions regarding the remediation methodology to be utilized at the Site have not yet been finalized, the selected remedial approach will likely involve extraction of impacted groundwater, *ex situ* or *in situ* treatment of the groundwater, and reinjection of treated groundwater back into the aquifer. At this time, until and unless alternative remedial targets are agreed upon by CEMC and the NMOCD, CEMC understands that the remedial goal is to reduce groundwater contaminant concentrations to below their respective New Mexico Water Quality Control Commission (NMWQCC) standards.

Summary of Previous Investigations

In the early 1990s, Texaco discovered benzene and chromium contamination in soils and groundwater at the Site. In 1996, the NMOCD required an initial investigation of sumps at the plant as a condition of Groundwater Discharge Permit GW-004. This investigation confirmed dissolved benzene and chromium in groundwater at concentrations exceeding NMWQCC human health standards. It was speculated that the source of the chromium contamination was from cooling tower blow-down waters

being discharged around the surface of the plant. Several soil and groundwater investigations were conducted between 1996 and 2003. Investigations were implemented in the following designated areas:

- Waste Oil Water Storage,
- North Sump,
- Compressor Building,
- Plant Perimeter and Background,
- Southwest Drainage area,
- Cooling Tower, and
- Monitoring Well and City Park.

Three (3) primary dissolved-phase groundwater COCs were identified at the Site including: total and hexavalent chromium, dissolved petroleum hydrocarbons, and dissolved solids (with chloride concentrations representative of dissolved solids). Arsenic, iron and manganese are also included in the Discharge Permit groundwater monitoring requirements and have been sampled and analyzed for since 2004. Activities included sump removals, multiple monitor well installations, and LNAPL recovery.

COCs identified and assessed at the Site included:

- LNAPL intermittently present at the northeast corner of the facility in one to two wells;
- Dissolved-phase hydrocarbons – Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) present both on-site and off-site;
- Chlorides present across the Site and off-site;
- Hexavalent chromium present across the Site and off-site;
- Total Dissolved Solids (TDS) present across the Site; and
- Dissolved-phase metals – Arsenic, Iron and Manganese present both on-site and off-site.

Much of the characterization summary information is referenced from the 2003 Soils Investigation Summary Report (Arcadis, October 9, 2003), historical analytical data tables presented in the 2014 Annual Groundwater Monitoring Report, the Groundwater Investigation and Remediation Activities Report (Stantec Consulting Corporation, 2005), and the Chloride Soil Investigation Report (Conestoga-Rovers & Associates, Inc., January 2014). Past operation of the gas plant by Texaco has resulted in impacts to the groundwater, both inside and outside of the plant boundaries.

Summary of Groundwater Remediation Activities

Historical project information indicates that four remediation systems have operated at the Site since 2003 including:

- Removals of Two Sumps and Hydrocarbon-Impacted Soil– Northeast Corner of Facility (2003).

- Chromium Treatment Pilot Studies (2003-2013).
- LNAPL recovery - East Side (2004-Present).
- Chloride Soil Investigation – Former Facility irrigation System (2013).

The installations, operations and recovery of each of the four remediation systems are summarized in the 2014 Annual Groundwater Monitoring Report submitted to NMOCD in February 2015.

Proposed Scope of Work

Assessment and remediation under this proposed Scope of Work in two separate Sections. Section 1 of the proposed Scope of Work includes additional soil assessment of the former gas plant facility, completion of groundwater plume delineation, and continuing implementation of the NMOCD-approved semiannual groundwater monitoring plan. Section 2 of the proposed Scope of Work includes evaluation site assessment results and conditions in the design and development of potential appropriate remedial approaches and continued LNAPL recovery. These activities are detailed below.

1.0 Site Investigation Activities

1.1 Shallow Soil Assessment

GHD proposes to advance a sufficient number of soil borings in each release area to complete assessment of the horizontal extent of the shallow (less than 10 ft. bgs) impacts to the soil. Hydrocarbons in the near- and sub-surface soils are not currently being addressed because the likely areas of impact are believed to be inaccessible, and certain idle equipment must be demolished and removed by the facility operator, Targa, before additional soil assessment and remediation can begin. Soil cleanup will be based on the NMOCD's RRAL or EPA Region III Risk-based Concentration Tables.

The following actions will be performed prior to drilling activities:

- Develop a Health and Safety Plan (HASP) and job safety analyses (JSAs) that address field work specified in the Work Plan; and
- The drilling contractor will notify New Mexico One-Call to facilitate location of underground utilities and pipelines prior to drilling activities.

Prior to subsurface penetrations, each borehole location will be cleared using either an air knife or hand auger to a depth of 5 ft. bgs. A geologist will supervise the advancement of the soil borings at the site. Borings will be drilled using a hollow stem auger (HSA) drill rig.

Borings will be advanced to a depth of 10 ft. bgs or refusal. Samples will be collected at depths of 5 and 10 ft. bgs using a 2-inch (in.) diameter by 24-in. long split spoon sampler. Cuttings and samples will be logged according to the Unified Soil Classification System. Field screening for total petroleum hydrocarbons will be performed using a Petroflag Kit. The Petroflag system is a colorimetric field screen method that is more sensitive to diesel and motor oil range (aliphatic range) hydrocarbons. Chlorides will field screened by mixing soil samples with deionized water. The rinsate will be checked

with Hach chloride test strips. Field screening results will help guide the field geologist in determining if additional soil borings are required to assess the horizontal extent of impacted soil.

Soil samples collected from the outer-most borings will be submitted for laboratory analyses of gasoline, diesel, and heavy oil range total petroleum hydrocarbons (TPH DRO/GRO) by EPA Method 8015, BTEX by EPA Method 8260, chromium by EPA Method 7196A, and chlorides by EPA Method 300.0. Soil samples will be containerized in laboratory-prepared containers, placed on ice in a cooler, and transported under chain of custody documentation.

Samples will be submitted to Xenco Laboratories (Xenco) located in Odessa, Texas (or other CEMC-approved laboratory) for analysis via overnight courier.

Soil cuttings will be placed in DOT approved 55-gallon drums or other approved containers, sealed and labeled. Disposal of the soil will be based on analytical results of samples collected from the borings.

A report of findings will be prepared for the Site and will include a Site description, project history, description of field events, a discussion of results, and recommendations (if any). The report will also include:

- A scaled site plan showing the locations of the monitoring wells and other site features;
- Boring logs; and
- Tabulation of field screening and laboratory analytical test results.

The report will include a recommendation of any impacted soil areas to be addressed and a detailed description of the proposed remedial strategy.

1.2 Monitor Well Installation

GHD proposes to install seven or more additional monitoring wells around the North Eunice Site in an effort to complete horizontal delineation of the chloride plume. CEMC is currently working with adjacent property owners to gain access to their properties for installation of the necessary delineation monitor wells. Delineation wells will be installed as access to these adjacent properties is obtained.

Prior to subsurface penetrations, each borehole location will be cleared using either an air knife or hand auger to a depth of 5 ft. bgs. A geologist or engineer will supervise the advancement of the soil borings at the site. Borings will be drilled using an air rotary drill rig and advanced to a maximum depth of 70 ft. bgs or refusal. Samples will be collected at a depth of 10 ft. bgs and every 10 ft. thereafter using a 2-in. diameter by 24-in. long split spoon sampler. Cuttings and samples will be logged according to the Unified Soil Classification System. Field screening for petroleum hydrocarbons will be performed using the heated headspace method.

Each of the borings will be converted to a 2-in. diameter monitoring well. Each well will be constructed with 20 feet of 2-inch inside diameter (ID) polyvinyl chloride (PVC) machine slot 0.010 screen. The well screen will be placed 5 ft. above and 15 ft. below the apparent water table. The remainder of the well will be constructed with 2-in. diameter PVC blank casing.

The annulus of the borehole will be backfilled with 10/20 silica sand from the bottom of the borehole to approximately 2 feet above the well screen. A 2-ft. thick seal of 3/8-in. bentonite pellets will be placed above the sand pack. The remainder of the borehole will be filled with a 95% cement/5% bentonite grout mix.

Each monitoring well will be completed with an above-ground locking well vault. The well vault will be placed within a 24 in. by 24 in. by 4 in. thick concrete pad with 3 to 4 protective bollards.

The samples will be analyzed for TPH DRO/GRO by EPA Method 8015, BTEX by EPA Method 8260, chromium by EPA Method 7196A, and chlorides by EPA Method 300.0. Soil samples will be containerized in laboratory-prepared bottles/vials, placed on ice in a cooler, and transported under chain of custody documentation. Samples will be submitted to Xenco Laboratories (Xenco) located in Odessa, Texas (or other CEMC-approved laboratory) for analysis via overnight courier.

Well development will be performed by bailing, pumping, or a combination of both. Development of each well will be performed until the water is reasonably clear and parameters of pH, temperature, and specific conductance have stabilized (within a 10% margin).

The newly installed monitoring wells will be surveyed for horizontal and vertical control. Surveying will be performed by a State of New Mexico Registered Surveyor. The top of each casing will be surveyed to an accuracy of 0.01 ft. Well logs including all logging, well construction and surveying information will be prepared and included with the Annual Groundwater Monitoring Report.

1.3 Groundwater Monitoring

Currently the existing monitoring well system consists of 135 wells being gauged and sampled on a semiannual basis. Upon their installation, the proposed additional delineation wells will also be included in the semiannual monitoring events. The current groundwater monitoring program is detailed in Section 2.H.1 of the Discharge Permit GW-004 (see Attachment A).

Prior to purging wells, depth to groundwater and LNAPL will be 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. Subsequent to gauging, shallow zone wells will be purged using an EPA approved low-flow sampling methodology. Geochemical water quality parameters including temperature, pH, dissolved-oxygen, oxidation-reduction potential, and conductivity will also be recorded at approximate five minute intervals during purging activities. When three consecutive readings indicated stabilization of parameters (variation <10%), the groundwater will be considered representative of formation water and samples will be collected.

All groundwater samples will be labeled, placed on ice in an insulated cooler, and shipped to Xenco Laboratories (Xenco) located in Odessa, Texas, for analysis of BTEX by EPA Method 8021B, chloride by EPA Method 300, TPH DRO/GRO by EPA Method 8015, chloride by EPA Method 300.0, chromium by EPA Method 7196A TDS by EPA Method 2540C, and dissolved metals by EPA Methods 6010B & 7470A. The samples submitted for dissolved metals analysis will be filtered in the laboratory prior to analysis. Purge water generated during the sampling events will be disposed of in a containerized onsite in a labeled polyethylene tank and subsequently managed by a third-party subcontractor at an NMOCD-permitted disposal facility.

Annual groundwater monitoring reports will be prepared for the Site and will include a summary of any groundwater delineation monitoring well installation performed during the calendar year and a brief narrative of the sampling events. The summary will include a Site description, project history, description of field events, a discussion of results, and recommendations (if any). The report will also include:

- A scaled site plan showing the locations of the monitoring wells and other site features (including latitude and longitude coordinates);
- Boring logs and monitoring well construction diagrams;
- Tabulation of field screening and laboratory analytical test results;
- COC concentrations and chloride and benzene isoconcentration contours posted on site maps; and
- Geological cross-sections with pertinent analytical and potentiometric data posted.

In general, the annual reports will include the date(s) the events occurred, copies of laboratory chain-of-custody documentation and results, laboratory quality assurance/quality control (QA/QC) documentation, tabulated groundwater elevations and groundwater concentrations, groundwater elevation maps, and a summary of findings. Historical data will be included with the tabulated results.

Investigation Derived Waste

Soil cuttings will be placed in DOT approved 55-gallon drums (or other appropriate and approved containers), sealed and labeled. Disposal of the soil will be based on analytical results of samples collected from the borings. Development and purge water will be placed in 55-gallon drums or on-site poly tanks, sealed and labeled. Off-site transportation and disposal of the water will be based on analytical results of water samples collected from each well.

Quality Assurance/Quality Control

Confirmation sampling will be completed in accordance with our standard Quality Assurance/Quality Control procedures designed to minimize cross-contamination between samples and to provide reliable laboratory results. Work will be performed in general compliance with the techniques listed in Subsection B of 20.6.2.3107 NMAC and with 20.6.4.13 NMAC of the Water Quality Standards of Interstate and Intrastate Surface Water in New Mexico 20.6.4 NMAC.

2.0 Remediation Activities

Current remedial activities are summarized below. As selection and implementation of a final remedial approach necessary to achieve NMOCD cleanup goals has not been performed to date, CEMC continues to evaluate site assessment results and conditions in the design and development of potential appropriate remedial approaches.

2.1 Chromium- and Chloride-Impacted Groundwater Recovery

Discussions were held with NMOCD representatives in the Santa Fe NMOCD offices in September 2014 and October 2015 regarding the current status of the evaluation of potential chromium- and

chloride-impacted groundwater remedial approaches and regulatory requirements. As selection and implementation of a final remedial approach necessary to achieve NMOCD cleanup goals has not been performed to date, CEMC continues to evaluate site assessment results and conditions in the design and development of potential appropriate remedial approaches.

Although final decisions regarding the remediation methodology to be utilized at the Site have not yet been finalized, the selected remedial approach will likely involve extraction of impacted groundwater, *ex situ* or *in situ* treatment of the groundwater, and reinjection of treated groundwater back into the aquifer. At this time, until and unless alternative remedial targets are agreed upon by CEMC and the NMOCD, CEMC understands that the remedial goal is to reduce groundwater contaminant concentrations to below their respective New Mexico Water Quality Control Commission (NMWQCC) standards.

2.2 Hydrocarbon Recovery

Light non-aqueous phase liquids (LNAPLs) were not observed in either MW005 or MW006 from the 2011 through 2013 calendar years although LNAPL was observed and recovered in previous years; however, in 2014 LNAPL was observed in MW006. LNAPL was recovered from MW006 by hand bailing methods. As a result of the initial absence of LNAPL at the Site, the renewed Discharge Permit request did not include LNAPL recovery activities. However, ongoing groundwater monitoring activities will continue to include LNAPL observations and recovery when present. As previously performed for prior and on-going hydrocarbon recovery activities, a summary of LNAPL recovery volumes and activities will be included in the Annual Groundwater Monitoring Report.

Item #14 – DPA Item 14 has been completed in the spaces provided on the DPA form.

If you have any questions or comments with regards to this work plan, please do not hesitate to contact our Houston office at (713) 734-3090. Your timely response to this correspondence is appreciated.

Yours truly,

GHD Services, Inc.



Michael J. Wisniowiecki
Senior Project Manager



Joe L. Cruseturner
Principal

MW/ag/1

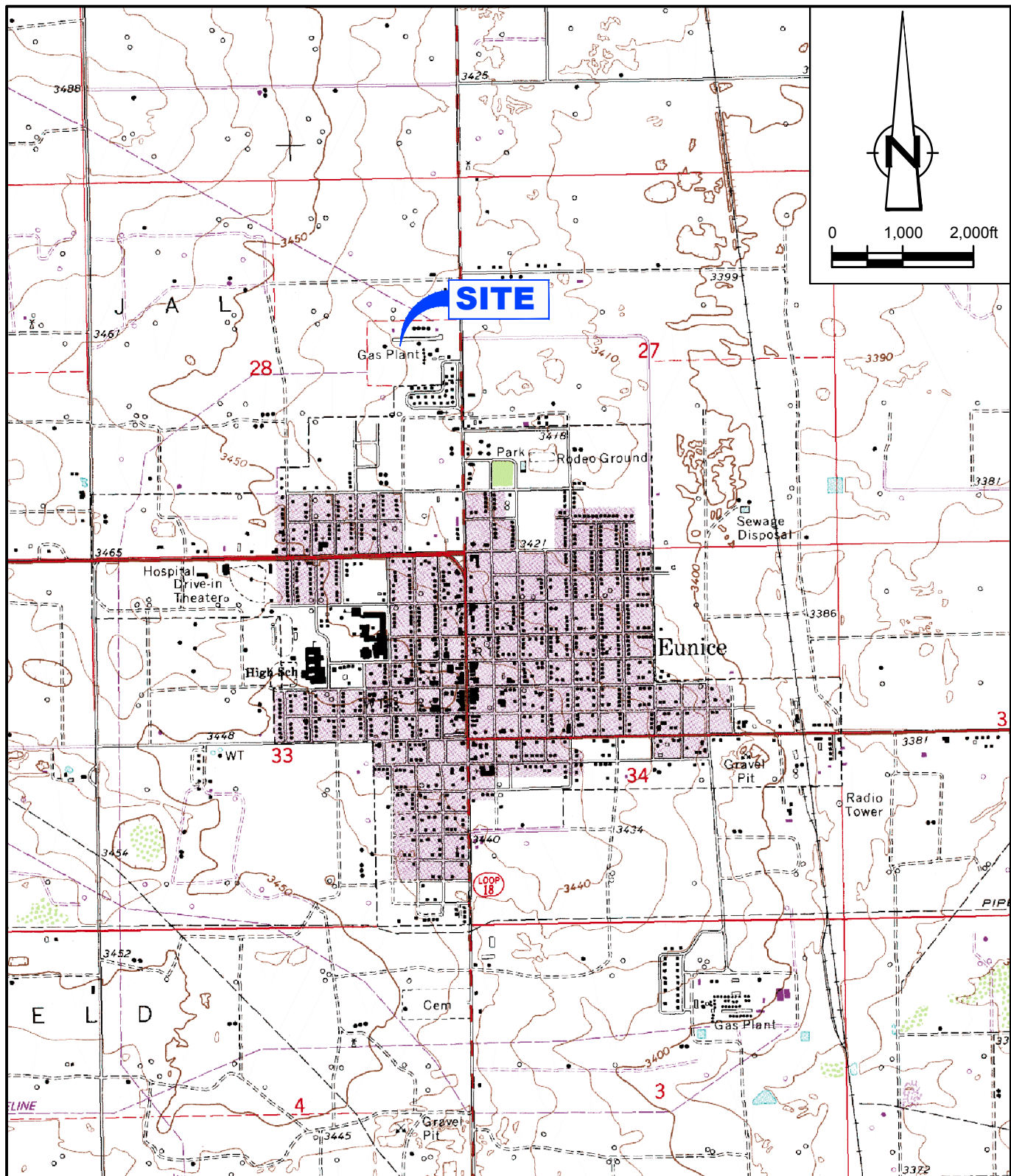
Attachments:

- Figure 1 – Site Map
- Figure 2 – Well Location Map
- Figure 3 – May 2014 Geologic Cross Section A-A'
- Figure 4 – May 2014 Geologic Cross Section B-B'
- Figure 5 – Hexavalent Chromium Isoconcentration Map – Shallow Well May 2014
- Figure 6 – Hexavalent Chromium Isoconcentration Map – Deep Well May 2014
- Figure 7 – BTEX Concentration and Benzene Isoconcentration Map – Shallow Well May 2014
- Figure 8 – BTEX Concentration and Benzene Isoconcentration Map – Deep Well May 2014
- Figure 9 – Chloride Isoconcentration Map – Shallow Well May 2014
- Figure 10 – Chloride Isoconcentration Map – Deep Well May 2014

Tables 1-9 – 2014 Annual Groundwater Monitoring Report – Groundwater Level and Analytical Tables

Attachment A – Discharge Permit GW-004 – Eunice North Gas Plant

Figures



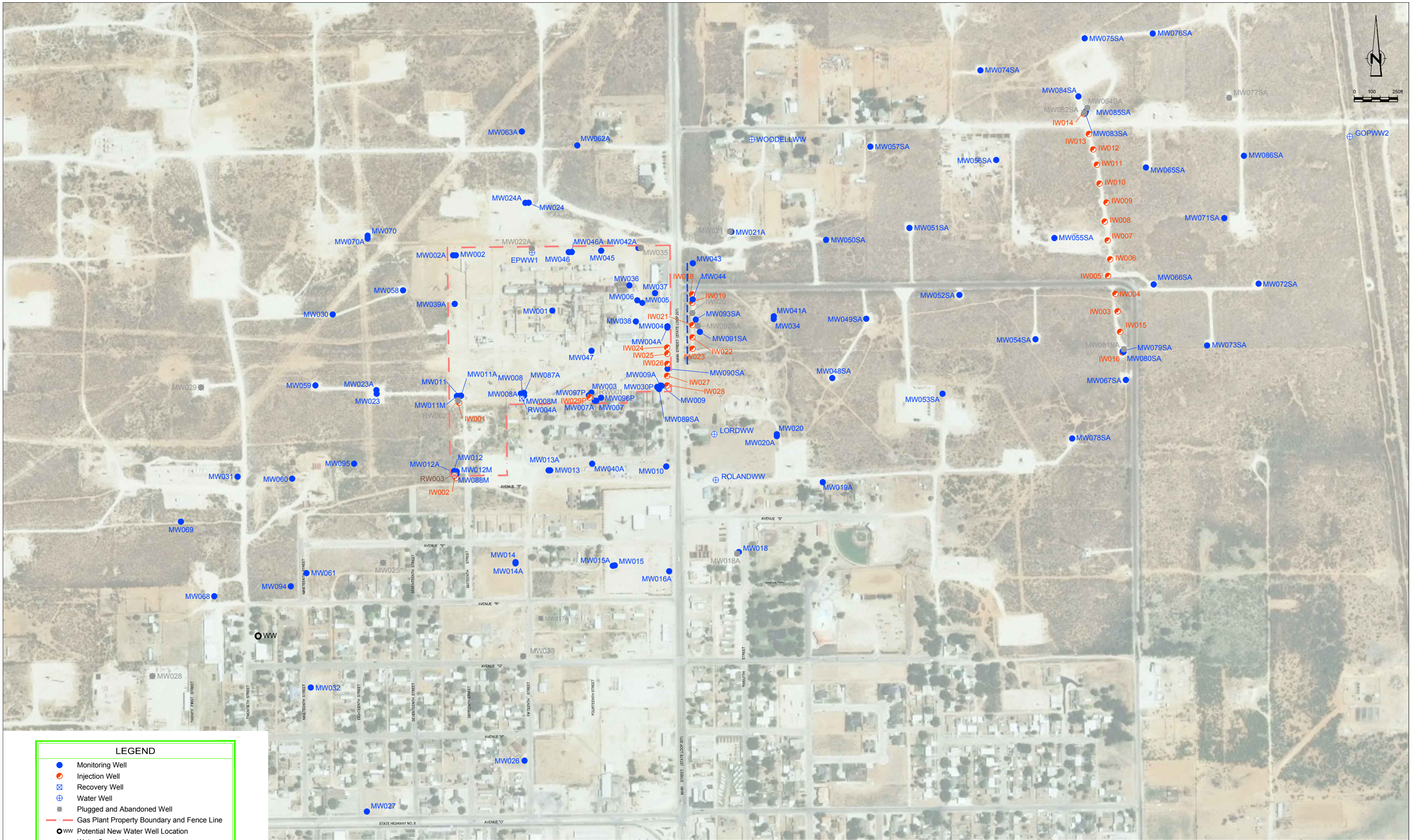
RE: USGS 7.5 MINUTE TOPOGRAPHIC MAPS, "EUNICE AND RATTLESNAKE CANYON NEW MEXICO".

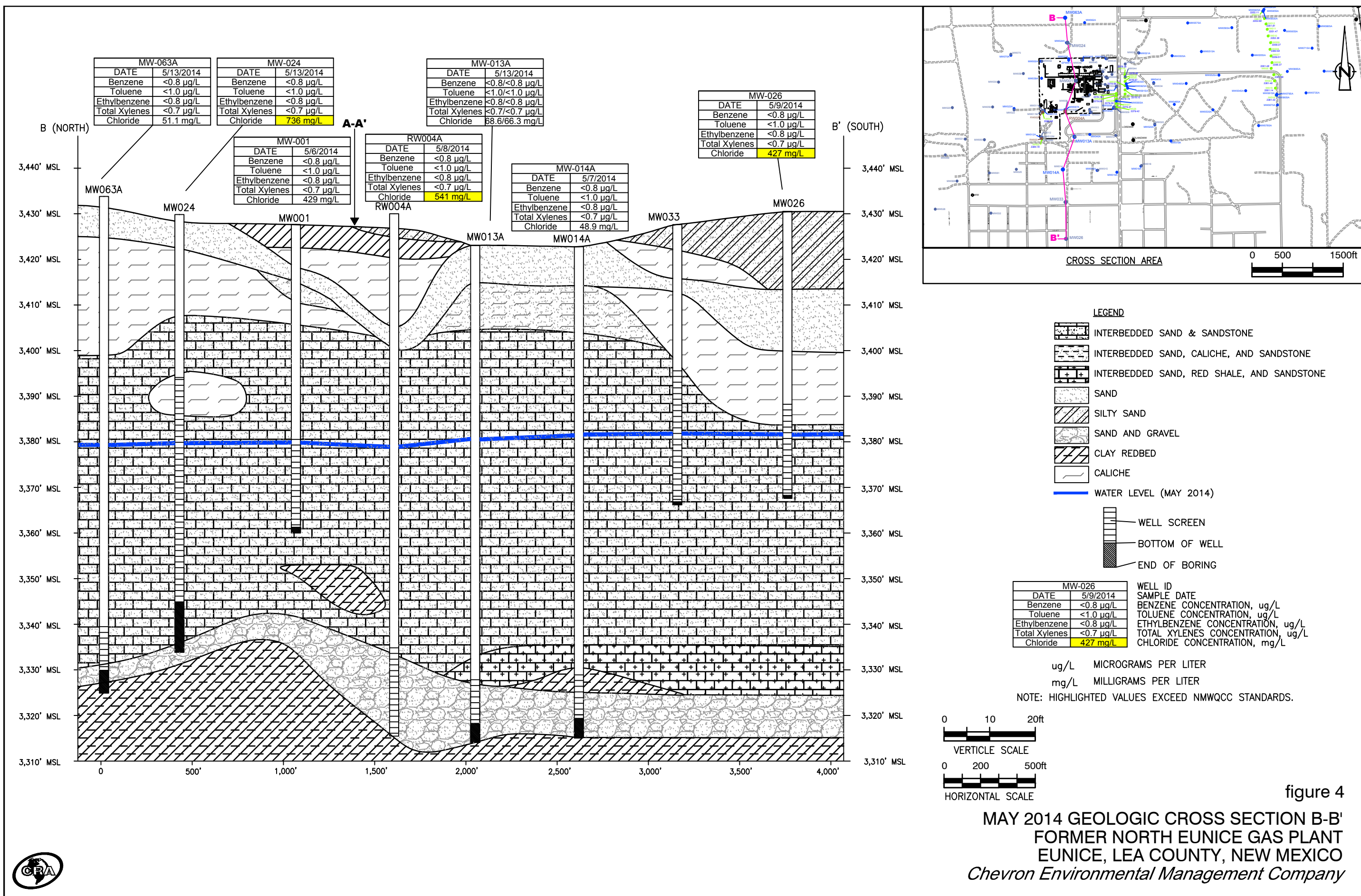
figure 1

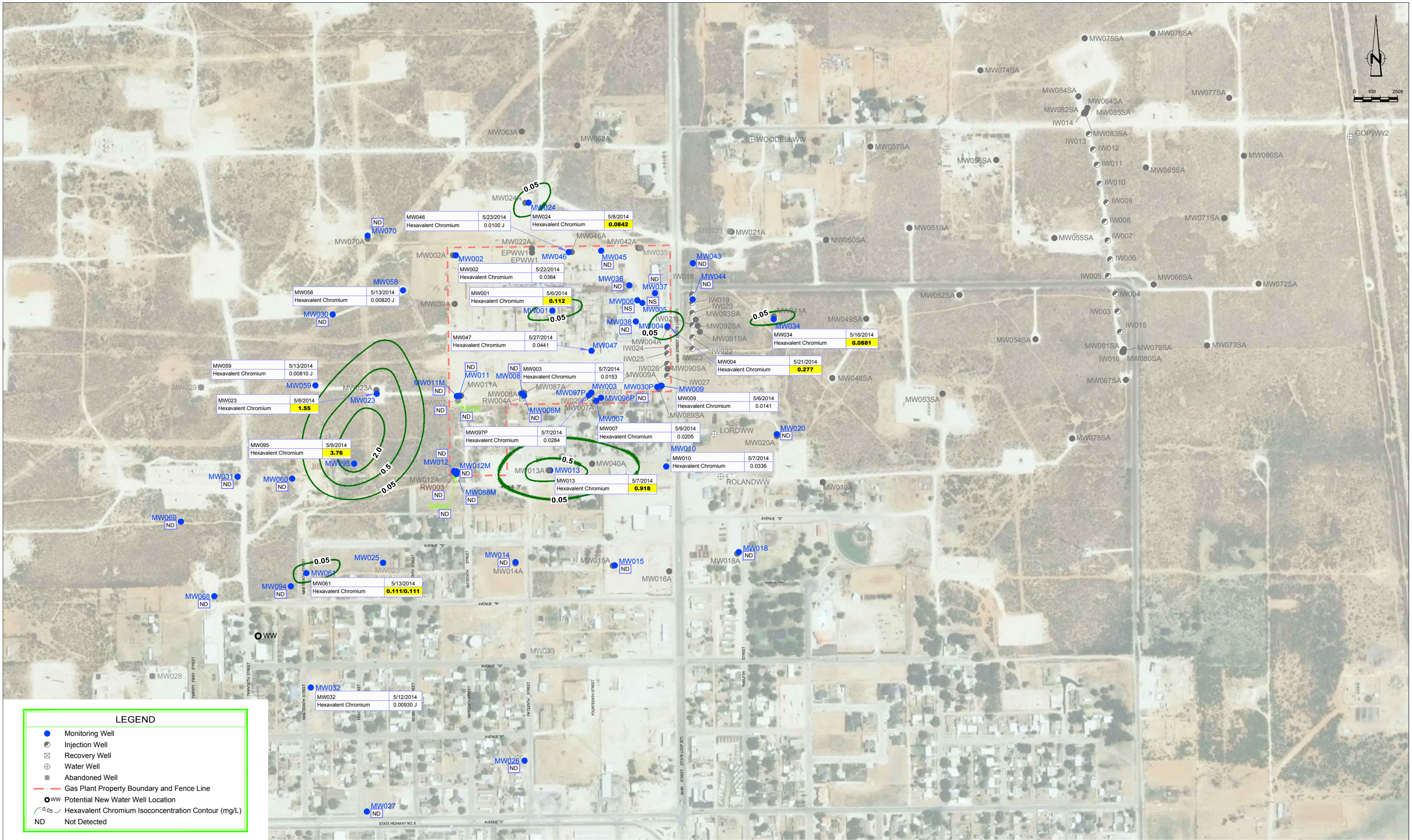
**SITE LOCATION MAP
FORMER EUNICE NORTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO**

Chevron Environmental Management Company









LEGEND			
●	Monitoring Well		
⊙	Injection Well		
⊠	Recovery Well		
⊕	Water Well		
⊖	Abandoned Well		
---	Gas Plant Property Boundary and Fence Line		
⊙	Potential New Water Well Location		
0.05	Hexavalent Chromium Isoconcentration Contour (mg/L)		
ND	Not Detected		

Sample ID	MW061	5/13/2014	Sample Date
Constituent	Hexavalent Chromium	0.1110.111	Result (mg/L)
			Parent Result (mg/L)

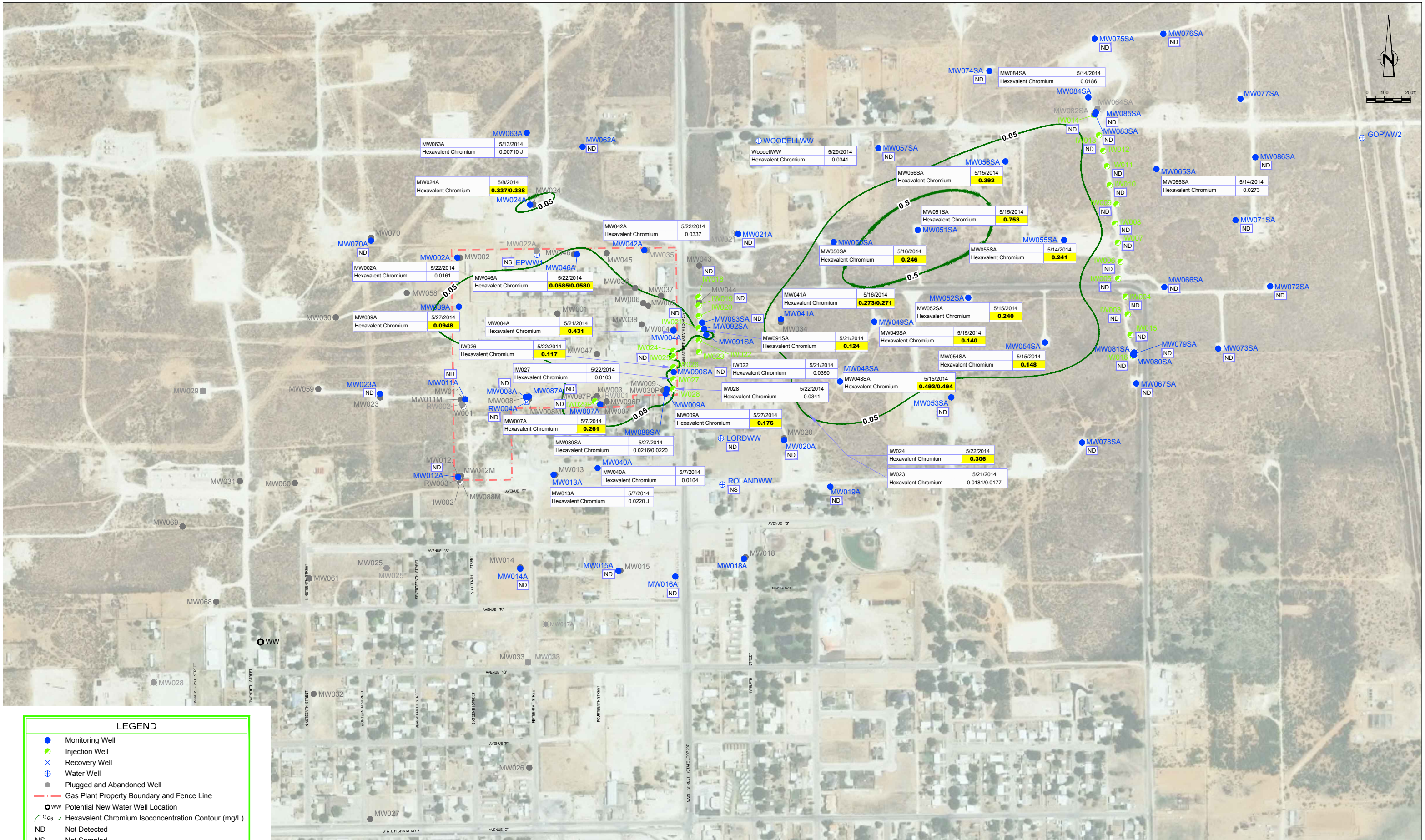
RE: 2009 NAIP Aerial Photograph.

NOTES:

1. All results in mg/L.
2. Highlighted cells indicate concentration exceeds NMWQCC Standards for Hexavalent Chromium of 0.05 mg/L.

figure 5
HEXAVALENT CHROMIUM ISOCONCENTRATION MAP
SHALLOW WELLS - MAY 2014
FORMER EUNICE NORTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company





Sample ID	MW048SA	5/15/2014	Sample Date
Constituent	Hexavalent Chromium	0.492/0.494	Result (mg/L)
			Parent Result (mg/L)



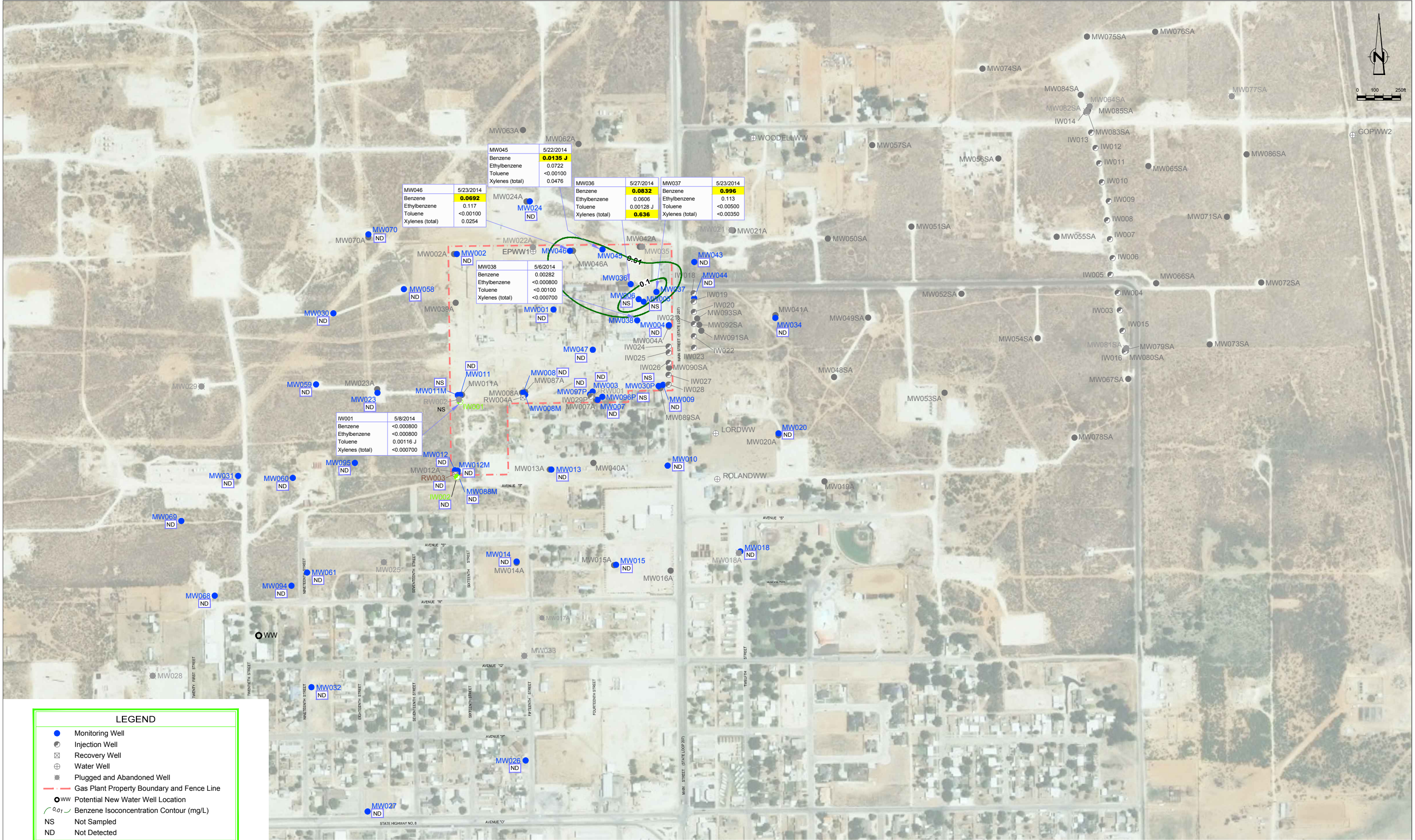
073018-2015(013)GN-DL008 OCT 27/2015

RE: 2009 NAIP Aerial Photograph.

NOTES:

- All results in mg/L.
- Highlighted cells indicate concentration exceeds NMWQCC Standards for Hexavalent Chromium of 0.05 mg/L.

figure 6
HEXAVALENT CHROMIUM ISOCONCENTRATION MAP
DEEP WELLS - MAY 2014
FORMER EUNICE NORTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company



LEGEND

●

Monitoring Well

⊙

Injection Well

⊕

Recovery Well

⊗

Water Well

■

Plugged and Abandoned Well

—

Gas Plant Property Boundary and Fence Line

⊙

Potential New Water Well Location

—

Benzene Isoconcentration Contour (mg/L)

NS

Not Sampled

ND

Not Detected

Sample ID	MW046	5/23/2014	Sample Date
Constituent	Benzene	0.0692	
	Ethylbenzene	0.117	
	Toluene	<0.00100	
	Xylenes (total)	0.0254	Result (mg/L)

RE: 2009 NAIP Aerial Photograph.

NOTES:

1. All results in mg/L.
2. Highlighted cells indicate concentration exceeds NMWQCC standards for benzene of 0.01 mg/L.

figure 7
BTX CONCENTRATION AND BENZENE ISOCONCENTRATION MAP
SHALLOW WELLS - MAY 2014
FORMER EUNICE NORTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company



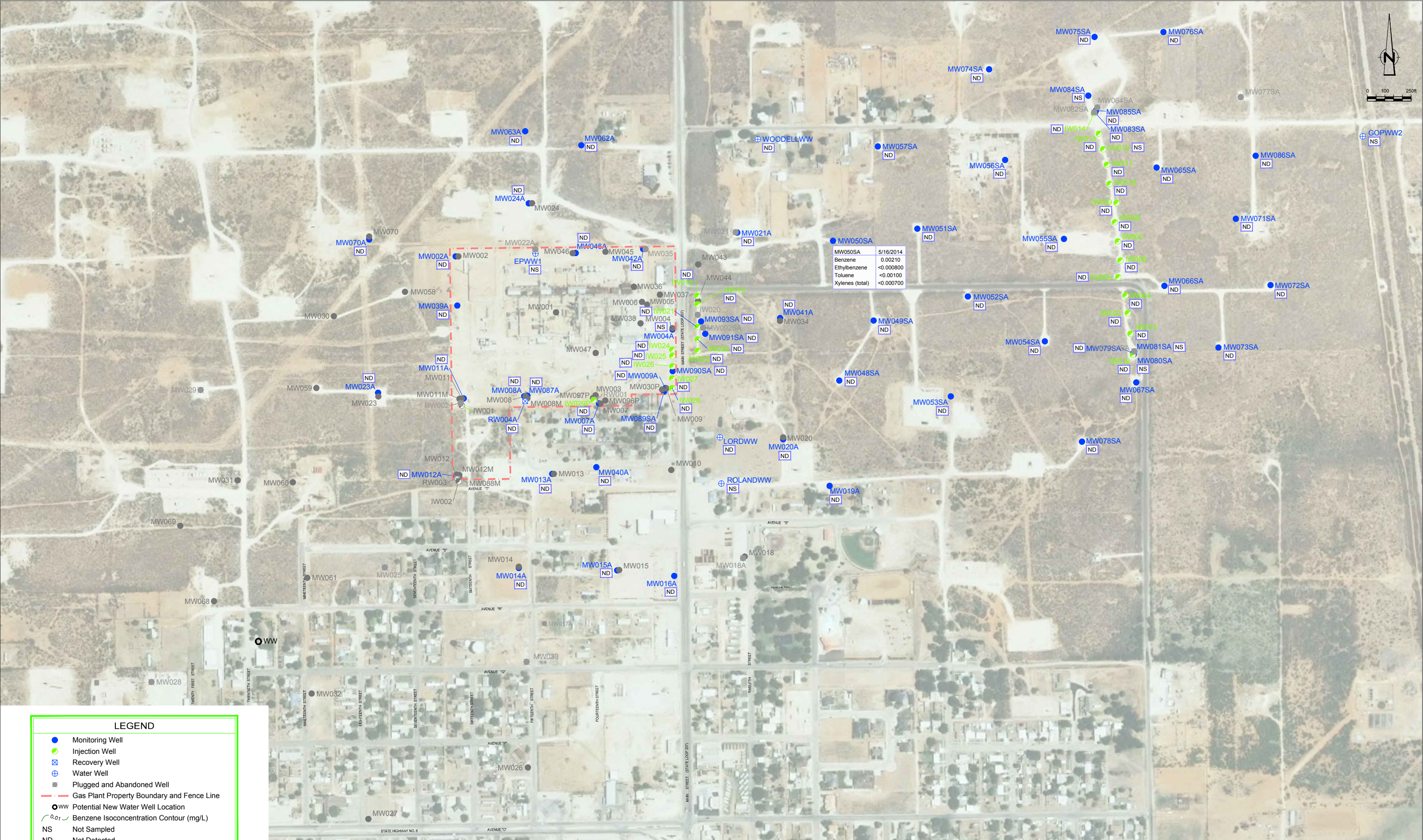
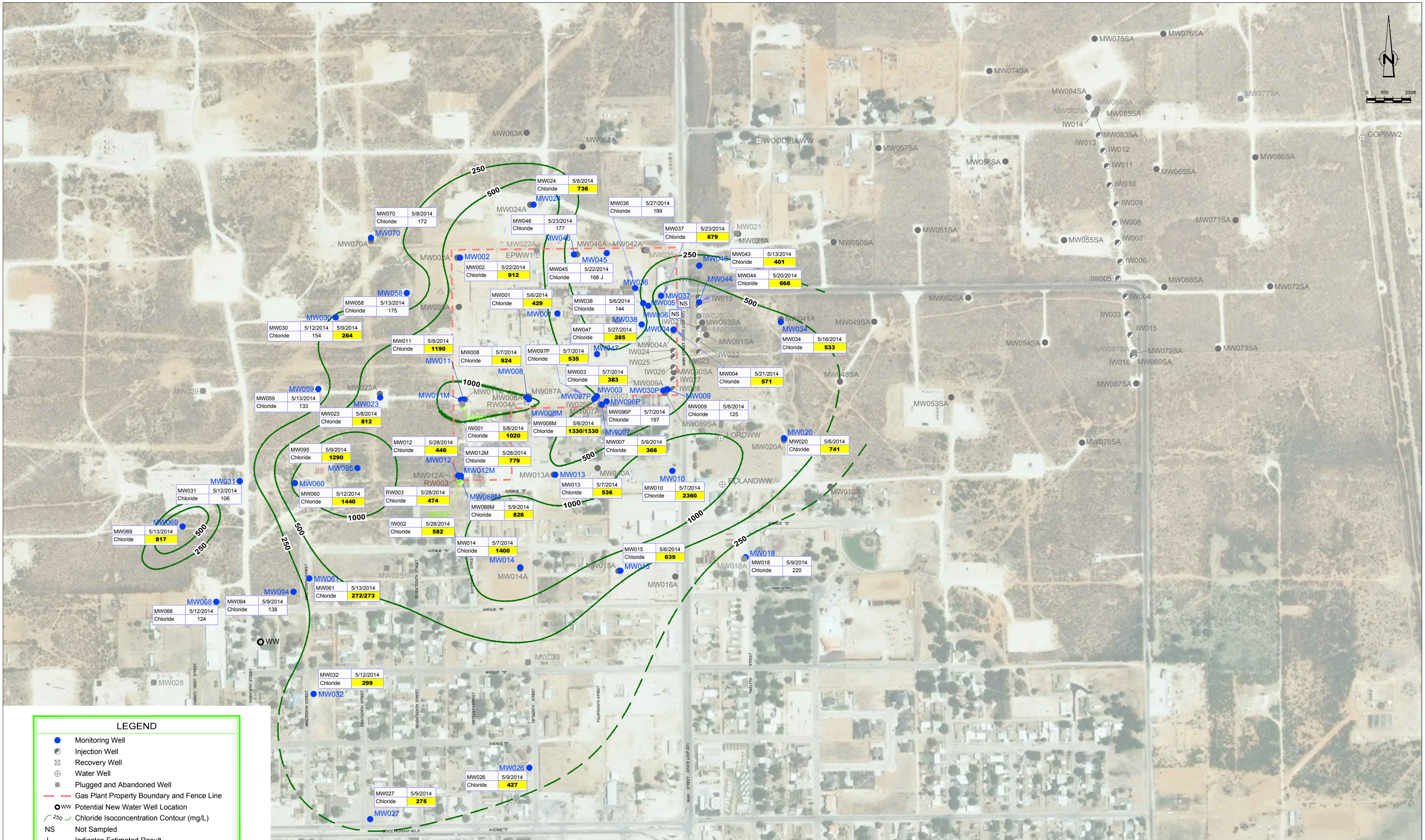


figure 8
BTEX CONCENTRATION AND BENZENE ISOCONCENTRATION MAP
DEEP WELLS - MAY 2014
FORMER EUNICE NORTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

073018-2015(013)GN-DL014 OCT 27/2015



RE: 2009 NAIP Aerial Photograph.

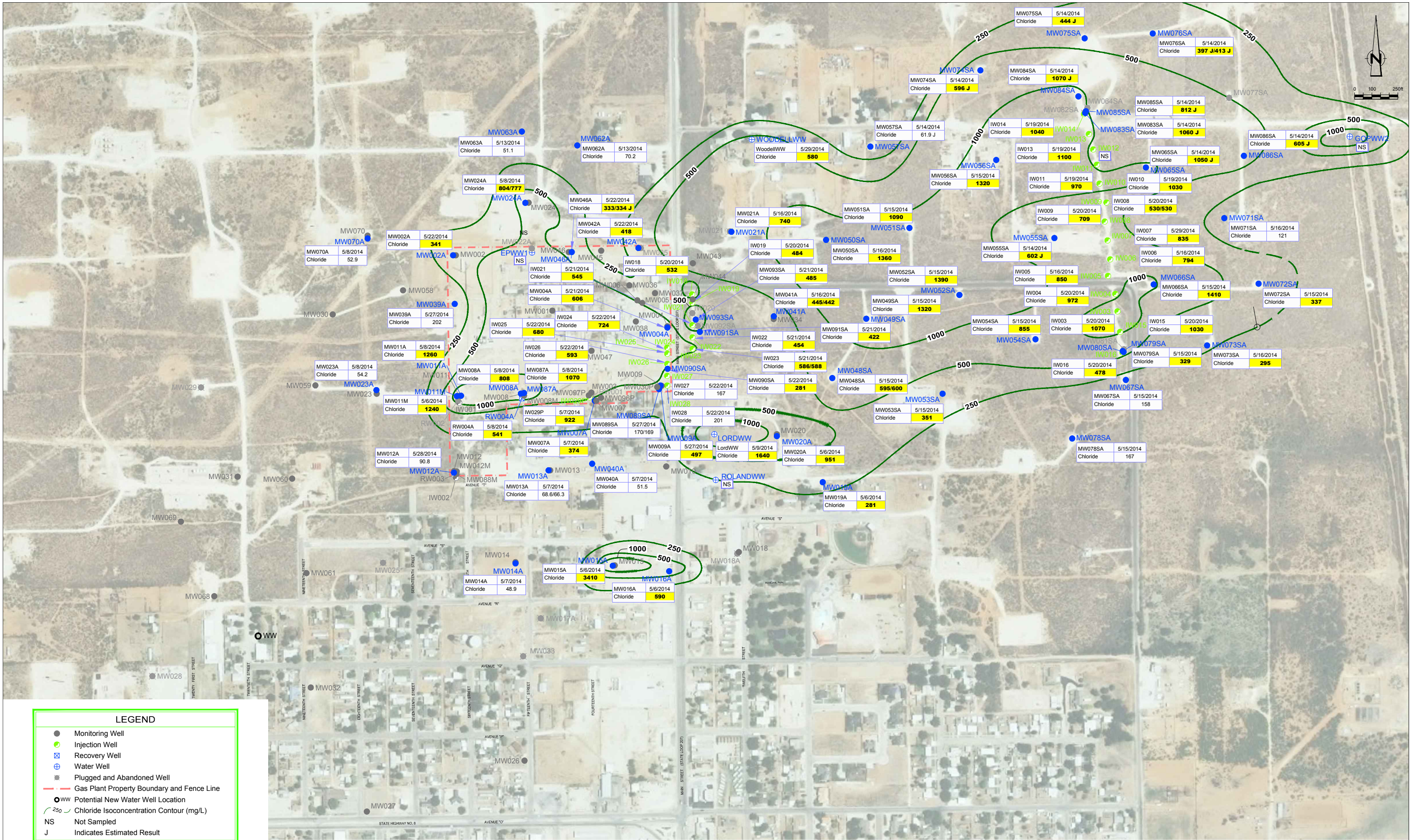
NOTES:

- 1. All results in mg/L.
- 2. Highlighted cells indicate concentration exceeds NMWQCC Standards for Chloride of 250 mg/L.
- 3. Wells MW009, MW003 and MW025 were not honored in gradient.

Sample ID	MW061	5/13/2014	Sample Date
Constituent	Chloride	272/273	Duplicate Result (mg/L)
			Parent Result (mg/L)

figure 9
CHLORIDE ISOCONCENTRATION MAP
SHALLOW WELLS - MAY 2014
FORMER EUNICE NORTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company





RE: 2009 NAIP Aerial Photograph.

NOTES:

1. All results in mg/L.
2. Highlighted cells indicate concentration exceeds NMWQCC Standards for Chloride of 250 mg/L.
3. Well MW008A and RW-004A was not honored in gradient.

figure 10

CHLORIDE ISOCONCENTRATION MAP
DEEP WELLS - MAY 2014
FORMER EUNICE NORTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

Sample ID	MW013A	5/7/2014	Sample Date
Constituent	Chloride	68.6/66.3	Duplicate Result (mg/L)
			Parent Result (mg/L)



Tables

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
<i>Shallow Monitor Wells</i>							
MW001 3428.57	4"	5/6/11	49.05		3,379.52		48-68
		11/1/11	48.47		3,380.10		
		5/3/12	48.57		3,380.00	68.43	
		10/23/12	48.75		3,379.82		
		5/2/13	49.00		3,379.57	68.12	
		10/29/13	49.04		3,379.53		
		5/5/14	49.07		3,379.50	68.14	
		11/3/14	48.78		3,379.79		
MW002 3432.17	4"	5/6/11	51.84		3,380.33		48-68
		11/2/11	51.89		3,380.28		
		5/3/12	51.99		3,380.18	68.48	
		10/24/12	52.12		3,380.05		
		5/2/13	52.30		3,379.87	68.65	
		10/29/13	52.30		3,379.87	70.44	
		5/5/14	52.36		3,379.81	68.68	
		11/4/14	52.31		3,379.86		
MW003 3428.27	4"	5/6/11	47.75		3,380.52		48-68
		11/1/11	47.90		3,380.37		
		5/4/12	48.13		3,380.14	70.42	
		10/23/12	48.33		3,379.94		
		5/2/13	48.52		3,379.75	70.71	
		10/29/13	48.61		3,379.66	70.84	
		5/5/14	48.62		3,379.65	70.71	
		11/4/14	47.91		3,380.36		
MW004 3423.38	4"	5/6/11	44.29		3,379.09		46.5-66.5
		11/1/11	44.52		3,378.86		
		5/4/12	44.63		3,378.75	60.00	
		10/23/12	44.94		3,378.44		
		5/1/13	45.15		3,378.23	66.66	
		10/29/13	45.35		3,378.03	68.85	
		5/5/14	45.36		3,378.02	66.67	
		11/3/14	44.87		3,378.51		
MW005 3424.77	4"	5/5/11	45.35		3,379.42		48-68
		11/1/11	45.13		3,379.64		
		5/22/12	45.76		3,379.01	67.60	
		10/25/12	48.64		3,376.13		
		5/2/13	48.52		3,376.25	46.15	
		10/29/13	46.35		3,378.42	69.87	
MW006 3425.26	4"	5/5/11	46.75		3,378.51		48-68
		11/2/11	45.55		3,379.71		
		5/22/12	46.10	-2.50	3,379.16	68.10	
		10/25/12	46.09		3,379.17		
		5/2/13	46.74	0.34	3,378.52		
		10/29/13	49.74	3.30	3,375.52		
		5/5/14	49.66		3,375.60		
		11/3/14	46.08	3.55	3,381.84		

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
MW007 3428.39	4"	5/6/11	47.90		3,380.49		46.3-66.3
		11/1/11	48.01		3,380.38		
		5/4/12	48.25		3,380.14	68.24	
		10/23/12	48.52		3,379.87		
		5/2/13	48.70		3,379.69	68.40	
		10/29/13	48.73		3,379.66	70.11	
		5/5/14	48.76		3,379.63	68.41	
		11/4/14	48.01		3,380.38		
MW008 3430.13	4"	5/6/11	49.30		3,380.83		46.6-66.1
		11/1/11	49.45		3,380.68		
		5/4/12	49.58		3,380.55	66.75	
		10/23/12	49.75		3,380.38		
		5/2/13	49.93		3,380.20	66.70	
		10/29/13	50.03		3,380.10	62.72	
		5/5/14	50.10		3,380.03	66.70	
		11/4/14	49.80		3,380.33		
MW008M 3427.95	4"	5/3/11	49.55		3,378.40		75-85
		11/2/11	49.69		3,378.26		
		5/4/12	49.84		3,378.11	86.70	
		10/23/12	50.02		3,377.93		
		5/2/13	50.22		3,377.73	86.35	
		10/29/13	50.26		3,377.69	88.58	
		5/5/14	50.30		3,377.65	86.37	
		11/4/14	50.05		3,377.90		
MW009 3427.63	4"	5/6/11	48.02		3,379.61		46.6-66.6
		11/1/11	48.24		3,379.39		
		5/3/12	48.35		3,379.28	68.94	
		10/23/12	48.60		3,379.03		
		5/1/13	48.81		3,378.82	69.10	
		10/29/13	48.95		3,378.68	71.37	
		5/5/14	49.03		3,378.60	69.11	
		11/3/14	48.50		3,379.13		
MW010 3419.42	4"	5/3/11	39.36		3,380.06		44.75-65.10
		11/1/11	49.50		3,369.92		
		5/1/12	39.51		3,379.91	64.66	
		10/24/12	39.77		3,379.65		
		5/1/13	39.91		3,379.51	64.60	
		10/28/13	40.06		3,379.36	65.44	
		5/5/14	40.15		3,379.27	64.60	
		11/3/14	39.62		3,379.80		
MW011 3431.49	4"	5/6/11	50.60		3,380.89		47-67
		11/2/11	50.71		3,380.78		
		5/3/12	50.80		3,380.69	67.69	
		10/23/12	50.91		3,380.58		
		5/2/13	51.12		3,380.37	67.70	
		10/29/13	51.13		3,380.36	68.47	
		5/5/14	51.25		3,380.24	67.71	
		11/3/14	50.75		3,380.74		

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
MW011M 3431.21	4"	5/6/11 11/1/11 5/3/12 10/23/12 5/2/13 10/29/13 5/5/14	50.33 50.47 50.54 50.68 50.88 50.87 50.98		3,380.88 3,380.74 3,380.67 3,380.53 3,380.33 3,380.34 3,380.23	94.00 92.00 94.09 92.03	80-90
MW012 3429.51	4"	5/6/11 11/2/11 5/3/12 10/24/12 5/1/13 10/29/13 5/5/14 11/3/14	48.87 48.47 48.57 48.65 48.81 48.89 48.96 48.81		3,380.64 3,381.04 3,380.94 3,380.86 3,380.70 3,380.62 3,380.55 3,380.70	66.32 66.40 67.17 66.41	44-64.5
MW012M 3430.06	4"	5/4/11 11/2/11 5/3/12 10/24/12 5/1/13 10/29/13 5/5/14 11/3/14	49.11 49.06 49.18 49.28 49.46 49.46 49.60 49.44		3,380.95 3,381.00 3,380.88 3,380.78 3,380.60 3,380.60 3,380.46 3,380.62	91.20 91.50 93.23 91.51	80-90
MW013 3423.11	4"	5/4/11 11/1/11 5/1/12 10/24/12 5/1/13 10/29/13 5/5/14 11/3/14	43.30 43.30 43.40 43.61 43.76 43.90 43.93 43.65		3,379.81 3,379.81 3,379.71 3,379.50 3,379.35 3,379.21 3,379.18 3,379.46	60.04 60.05 60.92 60.08	40-60
MW014 3424.08	4"	5/3/11 11/1/11 5/1/12 10/24/12 4/13/13 10/29/13 5/5/14 11/3/14	42.56 42.89 42.91 43.12 43.20 43.34 43.40 43.20		3,381.52 3,381.19 3,381.17 3,380.96 3,380.88 3,380.74 3,380.68 3,380.88	60.65 62.08 60.76	45-65
MW015 3420.40	4"	5/3/11 11/1/11 5/1/12 10/24/12 4/30/13 10/29/13 5/5/14 11/3/14	39.51 39.58 39.61 39.87 39.85 40.07 40.15 39.83		3,380.89 3,380.82 3,380.79 3,380.53 3,380.55 3,380.33 3,380.25 3,380.57	54.14 54.70 54.18 54.71	35-55

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
MW018 3417.15	4"	5/3/11 11/1/11 5/22/12 10/24/12 4/30/13 10/29/13 5/5/14 11/4/14	37.11 37.35 37.24 37.50 37.60 37.74 36.70	SWA	3,380.04 3,379.80 3,379.91 3,379.65 3,379.55 3,379.41 3,380.45	53.89 55.55 53.86	35-55
MW020 3420.85	4"	5/3/11 11/1/11 5/2/12 10/24/12 4/30/13 10/29/13 5/5/14 11/4/14	42.99 43.70 43.30 43.48 43.62 43.82 43.83 43.45		3,377.86 3,377.15 3,377.55 3,377.37 3,377.23 3,377.03 3,377.02 3,377.40	57.85 58.00 59.75 58.01	35-55
MW021 3422.72	4"	5/4/11 11/1/11 5/2/12 10/24/12 4/29/13 3/31/14	45.23 46.07 46.11 46.52 46.58		3,377.49 3,376.65 3,376.61 3,376.20 3,376.14 P&A	62.40 62.25	40-55
MW023 3436.44	4"	5/5/11 11/1/11 5/24/12 10/25/12 5/1/13 10/28/13 5/5/14 11/3/14	55.26 55.53 55.63 55.72 55.80 55.81 55.91 55.88		3,381.18 3,380.91 3,380.81 3,380.72 3,380.64 3,380.63 3,380.53 3,380.56	69.10 69.01 70.16 69.03	46-66
MW024 3431.32	4"	5/4/11 11/1/11 5/1/12 10/24/12 5/1/13 10/28/13 5/5/14 11/3/14	51.60 51.77 51.76 51.89 52.10 52.23 52.24 52.20		3,379.72 3,379.55 3,379.56 3,379.43 3,379.22 3,379.09 3,379.08 3,379.12	89.06 89.50 90.62 89.48	36-86
MW025 3432.64	4"	5/3/11 11/1/11 5/1/12 10/25/12 4/30/13 4/1/14	51.30 51.25 51.38 51.53 51.58		3,381.34 3,381.39 3,381.26 3,381.11 3,381.06 P&A	66.08 66.20	45-65

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

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
MW026 3432.04	4"	5/3/11	50.76		3,381.28		43-63
		11/1/11	50.78		3,381.26		
		5/3/12	50.83		3,381.21	62.70	
		10/25/12	51.08		3,380.96		
		4/30/13	50.90		3,381.14	62.85	
		10/29/13	50.82		3,381.22	64.96	
		5/5/14	51.15		3,380.89	62.81	
		11/3/14	51.20		3,380.84		
MW027 3443.33	4"	5/3/11	62.57		3,380.76		51-71
		11/1/11	62.57		3,380.76		
		5/17/12	62.65		3,380.68	71.40	
		10/24/12	62.67		3,380.66		
		4/30/13	62.80		3,380.53	71.60	
		10/29/13	62.99		3,380.34	72.89	
		5/5/14	62.87		3,380.46	71.51	
		11/3/14	62.90		3,380.43		
MW028 3451.63	4"	5/3/11	70.66		3,380.97		63-83
		11/1/11	70.76		3,380.87		
		10/24/12	70.92		3,380.71		
		4/30/13	71.00		3,380.63	84.45	
		4/1/14			P&A		
MW029 3446.89	4"	5/4/11	65.85		3,381.04		60-80
		11/1/11	65.81		3,381.08		
		10/24/12	65.80		3,381.09		
		5/1/12	65.80		3,381.09	80.94	
		5/1/13	65.91		3,380.98	81.40	
		4/1/14			P&A		
MW030 3439.84	4"	5/4/11	59.23		3,380.61		55-75
		11/1/11	59.17		3,380.67		
		5/1/12	59.17		3,380.67	77.55	
		10/24/12	59.20		3,380.64		
		5/1/13	59.39		3,380.45	71.67	
		10/28/13	59.42		3,380.42	77.67	
		5/5/2014	59.47		3380.37	71.63	
		11/3/2014	59.51		3380.33		
MW031 3440.68	4"	5/4/11	59.89		3,380.79		54-74
		11/1/11	59.79		3,380.89		
		5/1/12	59.88		3,380.80	76.98	
		10/24/12	59.91		3,380.77		
		5/1/13	60.08		3,380.60	76.97	
		10/28/13	60.03		3,380.65	77.58	
		5/5/2014	60.13		3380.55	76.89	
		11/3/2014	60.15		3380.53		

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
MW032 3442.22	4"	5/3/11 11/1/11 5/24/12 10/24/12 4/30/13 10/29/13 5/5/14 11/3/14	60.91 62.91 61.12 61.08 61.20 61.33 61.27 61.20		3,381.31 3,379.31 3,381.10 3,381.14 3,381.02 3,380.89 3,380.95 3,381.02	68.08 68.90 70.94 68.88	48-68
MW033 3428.86	4"	5/3/11 11/2/11 5/24/12 10/25/12 4/30/13 10/28/13	47.40 47.50 47.56 47.79 47.78		3,381.46 3,381.36 3,381.30 3,381.07 3,381.08 P&A	62.95 63.15	32-62
MW034 3418.76	4"	5/4/11 11/1/11 5/8/12 10/24/12 4/30/13 10/28/13 5/5/14 11/3/14	41.95 42.26 42.33 42.61 42.76 42.76 43.01 42.61		3,376.81 3,376.50 3,376.43 3,376.15 3,376.00 NG 3,375.75 3,376.15	62.69 62.68	42-62
MW035 3427.39	4"	5/6/11 11/1/11 5/3/12 10/24/12 5/2/13 10/28/13	46.18 48.79 48.80 49.16 49.25		3,381.21 3,378.60 3,378.59 3,378.23 3,378.14 P&A	65.30 65.50	42-62
MW036 3425.49	4"	5/6/11 11/2/11 5/22/12 10/24/12 5/2/13 10/29/13 5/5/14 11/3/14	46.00 46.22 46.48 46.82 46.90 47.15 47.15 46.80		3,379.49 3,379.27 3,379.01 3,378.67 3,378.59 3,378.34 3,378.34 3,378.69	61.92 61.85 63.85 61.83	42-62
MW037 3423.71	4"	5/6/11 11/2/11 5/3/12 10/23/12 5/1/13 10/29/13 5/5/14 11/3/14	44.55 44.86 45.00 45.31 45.43 45.95 45.71 45.30		3,379.16 3,378.85 3,378.71 3,378.40 3,378.28 3,377.76 3,378.00 3,378.41	61.55 61.60 62.90 61.57	42-62

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
MW038 3425.23	4"	5/3/11	45.67		3,379.56		42-62
		11/2/11	45.63		3,379.60		
		5/4/12	46.01		3,379.22	63.15	
		10/23/12	46.29		3,378.94		
		5/2/13	46.51		3,378.72	61.86	
		10/29/13	46.64		3,378.59	64.15	
		5/5/14	46.67		3,378.56	61.85	
		11/3/14	46.29		3,378.94		
MW043 3423.57	4"	5/4/11	45.58		3,377.99		42-62
		11/1/11	46.20		3,377.37		
		5/2/12	46.24		3,377.33	64.72	
		10/24/12	46.58		3,376.99		
		4/29/13	46.73		3,376.84	64.66	
		10/29/13	47.06		3,376.51	62.73	
		5/5/14	47.01		3,376.56	64.63	
		11/3/14	46.60		3,376.97		
MW044 3420.41	4"	5/4/11	41.79		3,378.62		40-60
		11/1/11	42.05		3,378.36		
		10/24/12	42.56		3,377.85		
		4/30/13	42.70		3,377.71	60.35	
		10/28/13	43.05		3,377.36	67.54	
		5/5/14	43.01		3,377.40	60.31	
		11/3/14	42.55		3,377.86		
MW045 3425.53	4"	5/6/11	46.05		3,379.48		46-66
		11/2/11	45.92		3,379.61		
		5/3/12	46.53		3,379.00	66.29	
		10/24/12	46.85		3,378.68		
		5/2/13	46.93		3,378.60	66.91	
		10/29/13	47.07		3,378.46	66.94	
		5/5/14	47.09		3,378.44	66.85	
		11/4/14	46.84		3,378.69		
MW046 3426.81	4"	5/6/11	47.20		3,379.61		46-66
		11/2/11	46.98		3,379.83		
		5/3/12	47.53		3,379.28	66.72	
		10/24/12	47.79		3,379.02		
		5/2/13	47.98		3,378.83	66.83	
		10/29/13	48.06		3,378.75	68.89	
		5/5/14	48.07		3,378.74	66.79	
		11/4/14	47.85		3,378.96		
MW047 3427.65	4"	5/6/11	47.33		3,380.32		46-66
		11/1/11	47.51		3,380.14		
		5/22/12	47.65		3,380.00	66.60	
		10/23/12	47.90		3,379.75		
		5/2/13	48.10		3,379.55	66.92	
		10/29/13	48.22		3,379.43	67.12	
		5/5/14	48.26		3,379.39	66.91	

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
MW058 3437.13	4"	5/5/11	56.50		3,380.63	110.90	49-109
		11/1/11	56.51		3,380.62		
		5/1/12	56.50		3,380.63		
		10/24/12	56.57		3,380.56	111.40	
		5/1/13	56.80		3,380.33		
		10/28/13	56.83		3,380.30		
		5/5/14	56.89		3,380.24		
		11/3/14	56.90		3,380.23		
MW059 3442.24	4"	5/4/11	61.27		3,380.97	106.23	45-105
		11/1/11	61.24		3,381.00		
		5/4/12	61.32		3,380.92		
		10/25/12	61.40		3,380.84	106.90	
		5/1/13	61.48		3,380.76		
		10/28/13	61.47		3,380.77		
		5/5/14	61.55		3,380.69		
		11/3/14	61.60		3,380.64		
MW060 3437.70	4"	5/4/11	56.57		3,381.13	101.83	40-100
		11/1/11	56.50		3,381.20		
		5/1/12	56.59		3,381.11		
		10/24/12	56.62		3,381.08	102.27	
		5/1/13	56.82		3,380.88		
		10/28/13	56.80		3,380.90		
		5/5/14	56.88		3,380.82		
		11/3/14	56.88		3,380.82		
MW061 3439.86	4"	5/3/11	58.55		3,381.31	110.50	48.5-108.5
		11/1/11	58.48		3,381.38		
		5/1/12	58.67		3,381.19		
		10/24/12	58.72		3,381.14	113.90	
		4/30/13	58.81		3,381.05		
		10/28/13	58.84		3,381.02		
		5/5/14	58.95		3,380.91		
		11/3/14	58.90		3,380.96		
MW068 3448.08	4"	5/3/11	66.87		3,381.21	112.34	45-110
		11/1/11	66.85		3,381.23		
		5/2/12	67.04		3,381.04		
		10/24/12	67.03		3,381.05	115.65	
		4/30/13	67.11		3,380.97		
		10/28/13	67.12		3,380.96		
		5/5/14	67.20		3,380.88		
		11/3/14	67.09		3,380.99		
MW069 3444.07	4"	5/4/11	63.82		3,380.25	112.14	45-110
		11/1/11	62.95		3,381.12		
		5/1/12	63.04		3,381.03		
		5/1/13	63.21		3,380.86	112.91	
		10/28/13	63.16		3,380.91		
		5/5/14	63.26		3,380.81		
		11/3/14	63.31		3,380.76		

TABLE 1
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CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
MW070 3439.68	4"	5/4/11	59.06		3,380.62		48-93
		11/1/11	59.09		3,380.59		
		5/1/12	59.00		3,380.68	95.85	
		10/24/12	59.02		3,380.66	98.60	
		5/1/13	59.28		3,380.40	96.45	
		10/28/13	59.24		3,380.44	98.23	
		5/5/14	59.29		3,380.39	96.43	
		11/3/14	59.36		3,380.32		
MW088M 3430.27	4"	5/3/11	49.60		3,380.67		50-90
		11/2/11	49.57		3,380.70		
		5/3/12	49.72		3,380.55	92.62	
		10/24/12	49.81		3,380.46	92.85	
		5/1/13	49.94		3,380.33	92.85	
		10/29/13	50.01		3,380.26	94.23	
		5/5/14	50.08		3,380.19	92.81	
MW094 3443.15	4"	11/1/11	61.82		3,381.33		40.5-100.5
		5/1/12	61.99		3,381.16	103.10	
		4/30/13	62.13		3,381.02	103.15	
		10/28/13	62.07		3,381.08	106.22	
		5/5/14	62.26		3,380.89	103.13	
		11/3/14	62.18		3,380.97		
MW095 3436.13	4"	11/1/11	55.05		3,381.08	90.00	40-90
		5/1/12	55.13		3,381.00	92.09	
		5/1/13	55.38		3,380.75	92.70	
		10/29/13	55.52		3,380.61	92.06	
		5/5/14	55.50		3,380.63		
		11/6/14	55.52		3,380.61		
RW002 3431.66	6"	5/5/11	50.80		3,380.86		48-68
		11/2/11	48.72		3,382.94		
		5/3/12	50.99		3,380.67	71.79	
		10/23/12	51.15		3,380.51	71.98	
		5/2/13	51.34		3,380.32	71.99	
		3/31/14			P&A		
RW003 3429.82	4"	5/5/11	48.78		3,381.04		45-65
		11/2/11	49.13		3,380.69		
		5/3/12	48.92		3,380.90	66.65	
		10/24/12	48.96		3,380.86	67.05	
		5/1/13	49.12		3,380.70	67.15	
		10/29/13	49.18		3,380.64	68.17	
		5/5/14	49.27		3,380.55	67.13	
		11/3/14	49.12		3,380.70		

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
IW001 3431.91	4	5/5/11	49.05		3,382.86		40-90
		11/2/11	47.28		3,384.63		
		5/3/12	49.25		3,382.66	93.15	
		10/23/12	49.35		3,382.56	90.03	
		5/2/13	50.51		3,381.40	90.01	
		10/29/13	49.54		3,382.37	92.53	
		5/5/14	49.64		3,382.27	89.98	
		11/3/14	49.46		3,382.45		
IW002 3430.33	4"	5/5/11	46.98		3,383.35		40-90
		11/2/11	50.86		3,379.47		
		5/3/12	47.35		3,382.98	84.70	
		10/24/12	47.42		3,382.91	85.20	
		5/1/13	47.60		3,382.73	85.25	
		10/29/13	44.41		3,385.92	88.49	
		5/5/14	47.69		3,382.64	85.21	
		11/3/14	48.78		3,381.55		
Deep Monitor Wells							
MW002A 3432.3	4"	5/6/11	51.84		3,380.46		103-123
		11/4/11	51.86		3,380.44		
		5/3/12	51.95		3,380.35	123.75	
		10/24/12	52.10		3,380.20		
		5/2/13	52.30		3,380.00	124.40	
		10/29/13	52.31		3,379.99	127.92	
		5/5/14	52.37		3,379.93	124.02	
		11/4/14	52.30		3,380.00		
MW004A 3423.57	4"	5/6/11	44.50		3,379.07		94.2-104.2
		11/4/11	44.74		3,378.83		
		5/22/12	44.85		3,378.72	104.15	
		10/23/12	45.25		3,378.32		
		5/1/13	45.35		3,378.22	104.28	
		10/29/13	45.57		3,378.00	108.30	
		5/5/14	45.60		3,377.97	104.39	
		11/3/14	45.11		3,378.46		
MW007A 3428.13	4"	5/6/11	47.68		3,380.45		96.5-106.65
		11/4/11	47.63		3,380.50		
		5/4/12	48.02		3,380.11	109.56	
		10/23/12	48.23		3,379.90		
		5/2/13	48.44		3,379.69	106.81	
		10/29/13	48.51		3,379.62	110.38	
		5/5/14	48.56		3,379.57	106.86	
		11/4/14	47.96		3,380.17		
MW008A 3430.01	4"	5/6/11	49.40		3,380.61		105.5-113.4
		11/4/11	49.24		3,380.77		
		5/4/12	49.62		3,380.39	118.40	
		10/23/12	49.59		3,380.42		
		5/2/13	49.95		3,380.06	115.71	
		10/29/13	49.96		3,380.05	119.17	
		5/5/14	50.01		3,380.00	115.92	
		11/4/14	49.80		3,380.21		

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
MW009A 3427.48	4"	5/6/11 11/4/11 5/3/12 10/23/12 5/1/13 10/29/13 5/5/14 11/3/14	47.81 48.02 48.16 48.40 48.58 48.76 48.81 48.31		3,379.67 3,379.46 3,379.32 3,379.08 3,378.90 3,378.72 3,378.67 3,379.17	102.55 103.05 107.20	93-100.6
MW011A 3431.77	4"	5/6/11 11/4/11 5/3/12 10/23/12 5/1/13 10/29/13 5/5/14 11/3/14	51.02 51.30 51.21 51.36 51.60 51.56 51.65 51.41		3,380.75 3,380.47 3,380.56 3,380.41 3,380.17 3,380.21 3,380.12 3,380.36	117.35 117.20 121.69 117.30	107.5-115.0
MW012A 3429.92	4"	5/6/11 11/4/11 5/3/12 5/1/13 10/29/13 5/5/14 11/3/14	48.87 48.81 49.00 49.22 49.31 49.39 49.22		3,381.05 3,381.11 3,380.92 3,380.70 3,380.61 3,380.53 3,380.70	115.39 116.20 119.41	106.1-116.1
MW013A 3424.25	4"	5/3/11 11/2/11 5/1/12 10/24/12 5/1/13 10/29/13 5/5/14 11/3/14	33.28 43.29 43.36 43.60 43.75 43.89 43.91 43.60		3,390.97 3,380.96 3,380.89 3,380.65 3,380.50 3,380.36 3,380.34 3,380.65	106.00 106.55 108.24 107.14	96.3-106.44
MW014A 3423.9	4"	5/3/11 11/2/11 5/1/12 10/24/12 4/30/13 10/29/13 5/5/14 11/3/14	42.86 42.65 42.62 42.81 42.91 43.00 43.12 42.93		3,381.04 3,381.25 3,381.28 3,381.09 3,380.99 3,380.90 3,380.78 3,380.97	104.98 105.20 108.31 105.21	95.1-105.1
MW015A 3420.55	4"	5/3/11 11/2/11 5/1/12 10/25/12 4/30/13 10/29/13 5/5/14 11/3/14	39.58 39.48 39.55 38.04 39.82 40.11 40.15 39.83		3,380.97 3,381.07 3,381.00 3,382.51 3,380.73 3,380.44 3,380.40 3,380.72	102.00 101.98 105.74 105.38	92.2-102.2

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
MW016A 3419.92	4"	5/3/11 11/2/11 5/17/12 10/25/12 5/1/13 10/29/13 5/5/14 11/13/14	39.21 39.21 39.44 39.43 39.64 39.78 39.89 39.40		3,380.71 3,380.71 3,380.48 3,380.49 3,380.28 3,380.14 3,380.03 3,380.52	91.26 91.40 95.07 91.25	81.5-91.5
MW017A 3424.38	4"	5/6/11			P&A		93.5-103.5
MW018A 3416.86	4"	5/3/11 11/2/11 5/22/12 10/24/12 4/30/13 4/1/14	36.80 37.01 36.93 37.15		SWA 3,380.06 3,379.85 3,379.93 3,379.71 P&A	81.20 81.25	71.5-81.5
MW019A 3414.74	4"	5/3/11 11/2/11 5/22/12 10/24/12 4/30/13 11/5/13 5/5/14 11/4/14	39.48 37.70 37.79 37.76 38.12 37.81 37.03		SWA 3,375.26 3,377.04 3,376.95 3,376.98 3,376.62 3,376.93 3,377.71	72.10 72.40 72.04	62.2-72.2
MW020A 3421.14	4"	5/3/11 11/2/11 5/2/12 10/24/12 4/30/13 10/29/13 5/5/14 11/4/14	43.18 41.11 43.49 43.66 43.78 44.00 44.01 43.62		3,377.96 3,380.03 3,377.65 3,377.48 3,377.36 3,377.14 3,377.13 3,377.52	80.45 80.48 83.15 80.41	70-80
MW021A 3422.94	4"	5/6/11 11/4/11 5/2/12 10/24/12 4/29/13 10/29/13 5/5/14 11/3/14	46.44 46.74 47.97 47.44 48.06 47.95 47.70 47.06		3,376.50 3,376.20 3,374.97 3,375.50 3,374.88 3,374.99 3,375.24 3,375.88	88.39 87.49 91.10 87.53	75-85

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
MW022A 3431.13	4"	5/6/11 11/4/11 5/3/12 10/24/12 5/2/13 6/1/13	51.07 51.28 51.34 51.54 51.71		3,380.06 3,379.85 3,379.79 3,379.59 3,379.42 P&A	103.19 104.61	95-105
MW023A 3436.26	4"	5/3/11 11/2/11 5/4/12 10/25/12 5/1/13 10/29/13 5/5/14 11/3/14	56.52 55.39 55.43 55.56 55.62 55.68 55.80 55.75		3,379.74 3,380.87 3,380.83 3,380.70 3,380.64 3,380.58 3,380.46 3,380.51	123.35 123.45 127.16 127.28	110-120
MW024A 3430.77	4"	5/3/11 11/2/11 5/1/12 10/24/12 5/1/13 10/29/13 5/5/14 11/3/14	51.07 51.22 51.20 51.35 51.54 51.64 51.70 51.60		3,379.70 3,379.55 3,379.57 3,379.42 3,379.23 3,379.13 3,379.07 3,379.17	101.50 101.80 101.66 105.11	85-100
MW039A 3435.71	4"	5/6/11 11/4/11 5/3/12 10/24/12 5/2/13 10/29/13 5/5/14 11/4/14	55.08 55.12 55.22 55.40 55.60 55.56 55.64 55.51		3,380.63 3,380.59 3,380.49 3,380.31 3,380.11 3,380.15 3,380.07 3,380.20	119.20 120.75 123.67 120.86	107-117
MW040A 3422.92	4"	5/3/11 11/2/11 5/1/12 10/24/12 5/13/13 10/29/13 5/5/14 11/3/14	42.25 42.20 42.28 42.57 42.69 42.80 42.91 42.50		3,380.67 3,380.72 3,380.64 3,380.35 3,380.23 3,380.12 3,380.01 3,380.42	109.95 113.76 113.27	100-110
MW041A 3418.42	4"	5/6/11 11/3/11 5/8/12 10/24/12 4/30/13 10/28/13 5/5/14 11/3/14	41.79 42.11 42.05 42.47 42.66 42.90 42.48		3,376.63 3,376.31 3,376.37 3,375.95 3,375.76 NG 3,375.52 3,375.94	88.96 88.64	78-88

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
MW042A 3424.75	4"	5/6/11	46.00		3,378.75		92-102
		11/4/11	46.57		3,378.18		
		5/3/12	46.58		3,378.17	99.09	
		10/24/12	46.91		3,377.84		
		5/2/13	46.98		3,377.77	90.61	
		10/29/13	47.10		3,377.65	104.25	
		5/5/14	47.16		3,377.59	90.73	
		11/3/14	46.31		3,378.44		
MW046A 3426.45	4"	5/6/11	46.70		3,379.75		87-107
		11/4/11	47.05		3,379.40		
		5/3/12	47.10		3,379.35	107.72	
		10/24/12	47.32		3,379.13		
		5/2/13	47.50		3,378.95	108.79	
		10/29/13	47.61		3,378.84	112.81	
		5/5/14	47.65		3,378.80	108.88	
		11/4/14	47.40		3,379.05		
MW048SA 3421.10	4"	5/4/11	45.30		3,375.80		27-82.
		11/3/11	45.55		3,375.55		
		5/2/12	45.63		3,375.47	84.92	
		10/23/12	45.87		3,375.23		
		4/30/13	45.99		3,375.11	84.76	
		10/28/13	46.26		3,374.84	88.75	
		5/5/14	46.17		3,374.93	84.78	
		11/3/14	45.94		3,375.16		
MW049SA 3422.46	4"	5/4/11	48.16		3,374.30		37-82
		11/3/11	48.48		3,373.98		
		5/2/12	48.48		3,373.98	84.34	
		10/23/12	48.78		3,373.68		
		4/30/13	48.90		3,373.56	84.78	
		10/28/13	49.10		3,373.36	87.50	
		5/5/14	49.00		3,373.46	84.29	
		11/3/14	48.96		3,373.50		
MW050SA 3419.31	4"	5/4/11	44.84		3,374.47		38-78
		11/4/11	45.24		3,374.07		
		5/2/12	45.48		3,373.83	80.05	
		10/24/12	45.70		3,373.61		
		4/29/13	45.84		3,373.47	80.05	
		10/28/13	45.95		3,373.36	82.42	
		5/5/14	46.10		3,373.21	80.06	
		11/3/14	45.70		3,373.61		
MW051SA 3415.42	4"	5/4/03			NG - No Access		33-63
		11/3/11	43.72		3,371.70		
		5/2/12	46.19		3,369.23	70.90	
		10/23/12	44.22		3,371.20		
		4/30/13	44.31		3,371.11	66.02	
		10/28/13	44.45		3,370.97	68.54	
		5/5/14	44.46		3,370.96	66.01	
		11/3/14	44.24		3,371.18		

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
MW052SA 3415.23	4"	5/3/11 11/3/11 5/2/12 10/23/12 4/29/13 10/28/13 5/5/14 11/3/14	44.76 45.03 44.95 45.21 45.22 45.54 45.30 45.36		3,370.47 3,370.20 3,370.28 3,370.02 3,370.01 3,369.69 3,369.93 3,369.87	66.35 66.26 68.35 66.23	33-63
MW053SA 3413.86	4"	5/3/11 11/3/11 5/2/12 10/23/12 4/30/13 10/29/13 5/5/14 11/3/14	42.05 42.39 42.39 42.65 42.50 43.00 42.68 42.67		3,371.81 3,371.47 3,371.47 3,371.21 3,371.36 3,370.86 3,371.18 3,371.19	68.35 68.23 71.20 68.22	40-90
MW054SA 3411.38	4"	5/3/11 11/3/11 5/2/12 10/23/12 4/29/13 10/28/13 5/5/14 11/3/14	44.92 45.10 45.01 45.14 45.10 45.32 45.11 45.23		3,366.46 3,366.28 3,366.37 3,366.24 3,366.28 3,366.06 3,366.27 3,366.15	60.00 59.98 62.10 59.91	32-57
MW055SA 3407.43	4"	5/3/11 11/3/11 5/2/12 10/23/12 4/9/13 10/28/13 5/5/14 11/3/14	40.84 40.90 40.85 40.93 40.93 41.08 40.97 40.93		3,366.59 3,366.53 3,366.58 3,366.50 3,366.50 3,366.35 3,366.46 3,366.50	52.94 54.95 52.88	30-50
MW056SA 3410.71	4"	5/3/11 11/4/11 5/2/12 10/23/12 4/29/13 10/29/13 5/5/14 11/3/14	45.14 45.16 43.30 43.36 43.65 43.44 43.28		NG - No Access 3,365.57 3,365.55 3,367.41 3,367.35 3,367.06 3,367.27 3,367.43	54.95 52.59 55.42 52.60	32-52
MW057SA 3417.74	4"	5/3/11 11/2/11 5/17/12 10/23/12 4/29/13 10/28/13 5/5/14 11/3/14	45.83 46.14 46.51 46.50 46.60 46.71 46.19		NG - No Access 3,371.91 3,371.60 3,371.23 3,371.24 3,371.14 3,371.03 3,371.55	70.86 70.85 73.45 70.85	33-68

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
MW062A 3434.19	4"	5/3/11	55.28		3,378.91	110.53	98-108
		11/2/11	55.56		3,378.63		
		5/1/12	55.50		3,378.69		
		10/24/12	55.72		3,378.47	111.10	
		5/1/13	55.78		3,378.41		
		10/28/13	55.99		3,378.20		
		5/5/14	56.02		3,378.17		
		11/3/14	55.95		3,378.24		
MW063A 3435.22	4"	5/3/11	55.90		3,379.32	108.53	96-106
		11/2/11	56.04		3,379.18		
		5/1/12	56.00		3,379.22		
		10/24/12	56.13		3,379.09	108.91	
		5/1/13	56.30		3,378.92		
		10/28/13	56.41		3,378.81		
		5/5/14	56.42		3,378.80		
		11/3/14	56.43		3,378.79		
MW064SA 3405.15	4"	5/4/11	51.09		3,354.06	77.32	35-75
		11/2/11	51.29		3,353.86		
		5/2/12	51.33		3,353.82		
		10/23/12	51.36		3,353.79	79.41	
		4/29/13	51.31		3,353.84		
		4/1/14			P&A		
MW065SA 3402.96	4"	5/4/11	51.48		3,351.48	82.35	40-80
		11/3/11	51.81		3,351.15		
		5/1/12	51.72		3,351.24		
		10/23/12	51.69		3,351.27	82.33	
		4/29/13	51.64		3,351.32		
		10/28/13	51.85		3,351.11		
		5/5/14	51.48		3,351.48		
		11/3/14	51.53		3,351.43		
MW066SA 3404.03	4"	5/4/11	49.67		3,354.36	69.85	41-66
		11/3/11	50.47		3,353.56		
		5/2/12	50.24		3,353.79		
		10/23/12	50.56		3,353.47	68.66	
		4/29/13	50.20		3,353.83		
		10/29/13	50.81		3,353.22		
		5/5/14	50.09		3,353.94		
		11/3/14	50.45		3,353.58		
MW067SA 3409.16	4"	5/5/11	46.54		3,362.62	84.10	43-83
		11/3/11	47.18		3,361.98		
		5/2/12	46.89		3,362.27		
		10/23/12	47.25		3,361.91	84.18	
		4/29/13	46.95		3,362.21		
		10/29/13	47.54		3,361.62		
		5/5/14	47.00		3,362.16		
		11/3/14	47.22		3,361.94		

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
MW070A 3439.67	4"	5/3/11 11/2/11 5/1/12 10/24/12 5/1/13 10/28/13 5/5/14 11/3/14	59.06 59.05 59.02 59.05 59.28 59.31 59.32 59.35		3,380.61 3,380.62 3,380.65 3,380.62 3,380.39 3,380.36 3,380.35 3,380.32	129.04 127.70 130.41 131.61	112-127
MW071SA 3401.01	4"	5/4/11 11/3/11 5/1/12 10/23/12 4/29/13 10/28/13 5/5/14 11/3/14	50.10 51.41 50.36 50.31 50.21 50.40 50.00 50.05		3,350.91 3,349.60 3,350.65 3,350.70 3,350.80 3,350.61 3,351.01 3,350.96	90.02 91.12 95.20 91.14	29-89
MW072SA 3401.34	4"	5/4/11 11/2/11 5/2/12 10/23/12 4/29/13 10/29/13 5/5/14 11/3/14	50.68 51.08 50.91 50.88 50.90 51.05 50.55 50.65		3,350.66 3,350.26 3,350.43 3,350.46 3,350.44 3,350.29 3,350.79 3,350.69	94.10 93.05 96.30 93.06	31-91
MW073SA 3403.26	4"	5/4/11 11/3/11 5/2/12 10/23/12 4/29/13 10/29/13 5/5/14 11/3/14	48.84 48.65 48.76 48.61 49.06 48.44 48.58		NG- Roots in Well 3,354.42 3,354.61 3,354.50 3,354.65 3,354.20 3,354.82 3,354.68	68.20 68.06 68.07	26-66
MW074SA 3409.97	4"	5/4/11 11/2/11 5/2/12 10/23/12 4/29/13 10/28/13 5/5/14 11/3/14	48.21 48.50 48.50 48.72 48.78 49.02 48.85 48.92		3,361.76 3,361.47 3,361.47 3,361.25 3,361.19 3,360.95 3,361.12 3,361.05	66.40 66.34 68.55 66.34	39-64
MW075SA 3404.21	4"	5/4/11 11/2/11 5/1/12 10/23/12 4/29/13 10/28/13 5/5/14 11/3/14	50.85 51.00 51.03 51.01 50.98 51.10 50.91 50.93		3,353.36 3,353.21 3,353.18 3,353.20 3,353.23 3,353.11 3,353.30 3,353.28	65.55 65.65 67.60 65.62	43-63

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
MW076SA 3404.13	4"	5/4/11 11/2/11 5/1/12 10/23/12 4/29/13 10/28/13 5/5/14 11/3/14	52.54 52.72 52.73 52.65 52.60 52.76 52.50 52.48		3,351.59 3,351.41 3,351.40 3,351.48 3,351.53 3,351.37 3,351.63 3,351.65	93.68 93.70 96.91 93.70	38-93
MW077SA 3401.71	4"	5/4/11 11/2/11 5/1/12 10/23/12 4/29/13 4/1/14	50.63 50.90 50.89 50.80 50.74		3,351.08 3,350.81 3,350.82 3,350.91 3,350.97 P&A	93.54 93.50	42-92
MW078SA 3411.12	4"	5/5/11 11/3/11 5/2/12 10/23/12 4/29/13 10/29/13 5/5/14 11/3/14	44.55 45.06 44.85 45.18 44.98 45.45 45.00 45.13		3,366.57 3,366.06 3,366.27 3,365.94 3,366.14 3,365.67 3,366.12 3,365.99	68.15 68.07 70.35 68.12	36-66
MW079SA 3408.80	4"	5/5/11 11/3/11 5/2/12 10/23/12 4/29/13 10/29/13 5/5/14 11/3/14	46.74 47.43 47.15 47.53 47.25 47.87 47.25 47.51		3,362.06 3,361.37 3,361.65 3,361.27 3,361.55 3,360.93 3,361.55 3,361.29	69.63 69.65 72.75 69.64	37-67
MW080SA 3408.92	4"	5/5/11 11/3/11 5/2/12 10/23/12 4/29/13 4/1/14	46.84 47.52 47.25 47.61 47.32		3,362.08 3,361.40 3,361.67 3,361.31 3,361.60 P&A	71.76 71.80	39-69
MW081SA 3408.28	4"	5/5/11 11/3/11 5/2/12 10/23/12 4/29/13 4/1/14	46.41 47.13 46.82 47.21 46.91		3,361.87 3,361.15 3,361.46 3,361.07 3,361.37 P&A	72.33 72.31	40-70

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
MW082SA 3406.25	4"	5/4/11 11/2/11 5/2/12 10/23/12 4/29/13 4/1/14	52.03 52.25 52.27 52.30 52.27		3,354.22 3,354.00 3,353.98 3,353.95 3,353.98 P&A	77.80 77.81	45-75
MW083SA 3406.11	4"	5/4/11 11/2/11 5/2/12 10/23/12 4/29/13 10/28/13 5/5/14 11/3/14	57.95 52.16 52.17 52.20 52.18 52.42 52.11 52.15		3,348.16 3,353.95 3,353.94 3,353.91 3,353.93 3,353.69 3,354.00 3,353.96	79.23 77.85 81.10 77.85	45-75
MW084SA 3405.98	4	5/4/11 11/2/11 5/2/12 10/23/12 4/29/13 10/28/13 5/5/14 11/3/14	51.45 51.65 51.65 51.71 51.70 51.86 51.63 51.68		3,354.53 3,354.33 3,354.33 3,354.27 3,354.28 3,354.12 3,354.35 3,354.30	79.50 79.80 81.05 79.81	45-75
MW085SA 3405.98	4"	5/4/11 11/2/11 5/2/12 10/23/12 4/29/13 10/28/13 5/5/14 11/3/14	51.82 52.05 52.04 52.10 52.07 52.32 52.00 52.04		3,354.16 3,353.93 3,353.94 3,353.88 3,353.91 3,353.66 3,353.98 3,353.94	77.80 77.70 81.05 77.70	45-75
MW086SA 3401.86	4"	5/4/11 11/3/11 5/1/12 10/23/12 4/29/13 10/28/13 5/5/14 11/3/14	50.92 51.20 51.16 51.09 51.01 51.15 50.81 50.86		3,350.94 3,350.66 3,350.70 3,350.77 3,350.85 3,350.71 3,351.05 3,351.00	92.81 96.65 92.76	50-90
MW087A 3430.75	4"	5/4/11 11/4/11 5/4/12 10/23/12 5/2/13 10/28/13 5/5/14 11/4/14	49.94 49.89 50.21 50.42 50.60 50.63 50.68 50.42		3,380.81 3,380.86 3,380.54 3,380.33 3,380.15 3,380.12 3,380.07 3,380.33	115.75 102.68 119.34 109.67	90-110

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
MW089SA 3428.09	4"	5/4/11	48.45		3,379.64		39-99
		11/4/11	48.61		3,379.48		
		5/3/12	48.77		3,379.32	100.90	
		10/23/12	48.99		3,379.10		
		5/1/13	49.19		3,378.90	101.45	
		10/29/13	49.35		3,378.74	105.61	
		5/5/14	49.41		3,378.68	101.36	
		11/3/14	48.90		3,379.19		
MW090SA 3428.33	4"	5/4/11	48.90		3,379.43		36-101
		11/4/11	49.11		3,379.22		
		5/3/12	49.26		3,379.07	103.00	
		10/23/12	49.51		3,378.82		
		5/1/13	49.67		3,378.66	103.47	
		10/29/13	49.90		3,378.43	107.05	
		5/5/14	49.91		3,378.42	103.31	
		11/3/14	49.43		3,378.90		
MW091SA 3422.45	4"	5/4/11	43.85		3,378.60		31-96
		11/4/11	44.15		3,378.30		
		5/2/12	44.15		3,378.30	98.74	
		10/24/12	44.50		3,377.95		
		4/30/13	44.70		3,377.75	98.85	
		10/28/13	45.10		3,377.35	102.51	
		5/5/14	45.01		3,377.44	98.64	
		11/3/14	44.45		3,378.00		
MW092SA 3422.51	4"	5/4/11	43.91		3,378.60		31-96
		11/4/11	44.17		3,378.34		
		5/2/12	44.16		3,378.35	97.75	
		10/24/12	44.54		3,377.97		
		4/30/13	44.74		3,377.77	98.15	
		3/31/14			P&A		
MW093SA 3422.72	4"	5/4/11	44.14		3,378.58		31-96
		11/4/11	44.42		3,378.30		
		5/2/12	44.43		3,378.29	98.50	
		10/24/12	44.78		3,377.94		
		4/30/13	45.00		3,377.72	98.60	
		10/28/13	45.30		3,377.42	103.30	
		5/5/14	45.31		3,377.41	98.21	
		11/3/14	44.79		3,377.93		
IW003 3406.68	4"	5/5/11	45.29		3,361.39		35-55
		11/3/11	45.61		3,361.07		
		5/2/12	45.37		3,361.31	59.33	
		10/23/12	45.57		3,361.11		
		4/29/13	45.43		3,361.25	60.13	
		10/29/13	45.64		3,361.04	60.18	
		5/5/14	45.51		3,361.17	60.13	
		11/3/14	45.67		3,361.01		

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
IW004 3406.31	4"	5/5/11	44.91		3,361.40	54.50	35-50
		11/3/11	45.14		3,361.17		
		5/2/12	45.00		3,361.31		
		10/23/12	46.16		3,360.15	54.36	
		4/29/13	45.10		3,361.21		
		10/29/13	45.31		3,361.00		
		5/5/14	45.16		3,361.15		
		11/3/14	45.30		3,361.01		
IW005 3405.36	4"	5/5/11	43.95		3,361.41	50.36	36-46
		11/3/11	44.18		3,361.18		
		5/2/12	44.00		3,361.36		
		10/23/12	44.29		3,361.07	50.28	
		4/29/13	44.14		3,361.22		
		10/29/13	44.38		3,360.98		
		5/5/14	43.97		3,361.39		
		11/3/14	44.33		3,361.03		
IW006 3404.36	4"	5/5/11	43.04		3,361.32	54.23	35-50
		11/3/11	43.30		3,361.06		
		5/2/12	43.13		3,361.23		
		10/23/12	43.44		3,360.92	54.19	
		4/29/13	43.27		3,361.09		
		10/29/13	43.55		3,360.81		
		5/5/14	43.11		3,361.25		
		11/3/14	43.53		3,360.83		
IW007 3405.31	4"	5/5/11	45.45		3,359.86	50.40	36-46
		11/3/11	46.46		3,358.85		
		5/2/12	46.19		3,359.12		
		10/23/12	46.93		3,358.38	50.40	
		4/29/13	46.46		3,358.85		
		10/29/13	47.48		3,357.83		
		5/5/14	47.15		3,358.16		
		11/3/14	47.37		3,357.94		
IW008 3405.37	4"	5/5/11	44.69		3,360.68	53.61	35-50
		11/3/11	44.85		3,360.52		
		5/2/12	44.78		3,360.59		
		10/23/12	44.89		3,360.48	53.64	
		4/29/13	44.94		3,360.43		
		10/29/13	44.85		3,360.52		
		5/5/14	44.85		3,360.52		
		11/3/14	45.03		3,360.34		
IW009 3406.07	4"	5/5/11	47.50		3,358.57	48.93	35-45
		11/3/11	47.89		3,358.18		
		5/2/12	47.70		3,358.37		
		10/23/12	47.57		3,358.50	48.88	
		4/29/13	47.52		3,358.55		
		10/29/13	40.10		3,365.97		
		5/5/14	47.31		3,358.76		
		11/3/14	48.01		3,358.06		

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)	
IW010 3405.82	4"	5/5/11	53.78		3,352.04	61.95	33-58	
		11/3/11	53.90		3,351.92			
		5/2/12	53.86		3,351.96			
		10/23/12	54.04		3,351.78	61.90		
		4/29/13	54.05		3,351.77			
		10/29/13	54.08		3,351.74			62.60
		5/5/14	53.75		3,352.07			61.92
		11/3/14	53.90		3,351.92			
IW011 3406.83	4"	5/5/11	55.55		3,351.28	67.06	43-63	
		11/3/11	55.85		3,350.98			
		5/2/12	55.83		3,351.00			
		10/23/12	55.87		3,350.96	67.10		
		4/29/13	55.83		3,351.00			
		10/29/13	55.90		3,350.93			67.20
		5/5/14	55.60		3,351.23			67.09
		11/3/14	65.80		3,341.03			
IW012 3405.92	4"	5/5/11	54.29		3,351.63	55.43	43-53	
		11/3/11	54.53		3,351.39			
		5/2/12	54.83		3,351.09			
		10/23/12	54.55		3,351.37	55.42		
		4/29/13	54.55		3,351.37			
		10/29/13	54.69		3,351.23			56.60
		5/5/14	54.17		3,351.75			55.42
		11/3/14	54.24		3,351.68			
IW013 3406.62	4"	5/5/11	54.10		3,352.52	64.05	45-60	
		11/3/11	54.35		3,352.27			
		5/2/12	54.33		3,352.29			
		10/23/12	54.38		3,352.24	64.05		
		4/29/13	54.37		3,352.25			
		10/29/13	54.42		3,352.20			63.87
		5/5/14	54.16		3,352.46			64.04
		11/3/14	54.30		3,352.32			
IW014 3405.48	4"	5/5/11	52.50		3,352.98	77.10	33-73	
		11/3/11	52.70		3,352.78			
		5/2/12	52.66		3,352.82			
		10/23/12	52.74		3,352.74	77.01		
		4/29/13	52.75		3,352.73			
		10/29/13	52.78		3,352.70			78.19
		5/5/14	52.53		3,352.95			77.05
		11/3/14	52.70		3,352.78			
IW015 3406.05	4"	5/5/11	45.05		3,361.00	52.16	34-49	
		11/3/11	45.60		3,360.45			
		5/2/12	45.31		3,360.74			
		10/23/12	45.64		3,360.41	52.18		
		4/29/13	45.35		3,360.70			
		10/29/13	45.70		3,360.35			52.75
		5/5/14	45.40		3,360.65			52.16
		11/3/14	45.71		3,360.34			

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
IW016 3408.29	4"	5/5/11 11/3/11 5/2/12 10/23/12 4/29/13 10/29/13 5/5/14 11/3/14	47.40 48.06 47.78 48.16 47.86 48.25 47.88 48.15		3,360.89 3,360.23 3,360.51 3,360.13 3,360.43 3,360.04 3,360.41 3,360.14	73.21 75.18 76.75 75.19	29-69
IW018 3424.54	4"	5/5/11 11/4/11 5/2/12 10/24/12 4/30/13 10/28/13 5/5/14 11/3/14	45.94 46.30 46.37 46.74 46.88 47.16 47.24 46.75		3,378.60 3,378.24 3,378.17 3,377.80 3,377.66 3,377.38 3,377.30 3,377.79	97.96 101.08 101.85 101.10	31-96
IW019 3423.78	4"	5/5/11 11/4/11 5/2/12 10/24/12 4/30/13 10/28/13 5/5/14 11/3/14	45.15 45.42 45.53 45.91 46.10 46.50 46.41 45.93		3,378.63 3,378.36 3,378.25 3,377.87 3,377.68 3,377.28 3,377.37 3,377.85	98.28 98.51 102.35 98.20	31-96
IW020 3423.50	4"	5/5/11 11/4/11 5/2/12 10/24/12 4/30/13 3/31/14	44.81 45.05 45.09 45.52 45.70		3,378.69 3,378.45 3,378.41 3,377.98 3,377.80 P&A	100.29 99.91	32-97
IW021 3423.16	4"	5/5/11 11/4/11 5/2/12 10/24/12 4/30/13 10/28/13 5/5/14 11/3/14	44.44 44.70 44.67 45.08 45.30 45.57 45.61 45.04		3,378.72 3,378.46 3,378.49 3,378.08 3,377.86 3,377.59 3,377.55 3,378.12	98.97 99.08 102.87 98.90	32-97
IW022 3423.16	4"	5/5/11 11/4/11 5/2/12 10/24/12 4/30/13 10/28/13 5/5/14 11/3/14	44.35 44.65 44.66 44.99 45.21 44.44 45.52 45.00		3,378.81 3,378.51 3,378.50 3,378.17 3,377.95 3,378.72 3,377.64 3,378.16	98.77 99.01 102.65 102.61	32-97

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
IW023 3426.05	4"	5/5/11	47.22		3,378.83		34-98
		11/4/11	47.49		3,378.56		
		5/2/12	47.53		3,378.52	100.34	
		10/24/12	47.80		3,378.25		
		4/30/13	48.01		3,378.04	100.43	
		10/28/13	48.25		3,377.80	104.70	
		5/5/14	48.31		3,377.74	104.01	
		11/3/14	47.80		3,378.25		
IW024 3426.63	4"	5/5/11	47.32		3,379.31		41-101
		11/4/11	47.79		3,378.84		
		5/3/12	47.64		3,378.99	103.55	
		10/23/12	48.02		3,378.61		
		5/1/13	48.15		3,378.48	107.82	
		10/29/13	48.37		3,378.26	106.05	
		5/5/14	48.40		3,378.23	107.73	
		11/3/14	47.96		3,378.67		
IW025 3427.62	4"	5/5/11	48.37		3,379.25		44-101
		11/4/11	48.63		3,378.99		
		5/3/12	49.72		3,377.90	94.95	
		10/23/12	49.01		3,378.61		
		5/1/13	49.20		3,378.42	95.56	
		10/29/13	49.42		3,378.20	97.90	
		5/5/14	49.45		3,378.17	95.82	
		11/3/14	49.00		3,378.62		
IW026 3428.01	4"	5/5/11	48.65		3,379.36		37-102
		11/4/11	49.90		3,378.11		
		5/3/12	49.00		3,379.01	51.25	
		10/23/12	49.70		3,378.31		
		5/1/13	49.41		3,378.60	51.09	
		10/29/13	49.61		3,378.40		
		5/5/14	49.64		3,378.37	57.21	
		11/3/14	49.22		3,378.79		
IW027 3428.17	4"	5/5/11	48.65		3,379.52		39.5-99.5
		11/4/11	48.90		3,379.27		
		5/3/12	49.00		3,379.17	106.64	
		10/23/12	49.29		3,378.88		
		5/1/13	49.45		3,378.72	101.55	
		10/29/13	49.65		3,378.52	104.91	
		5/5/14	49.69		3,378.48	101.93	
		11/3/14	49.20		3,378.97		
IW028 3428.18	4"	5/5/11	48.62		3,379.56		35-105
		11/4/11	48.82		3,379.36		
		5/3/12	48.96		3,379.22	108.05	
		10/23/12	49.21		3,378.97		
		5/1/13	49.41		3,378.77	108.05	
		10/29/13	49.60		3,378.58	112.15	
		5/5/14	49.63		3,378.55	106.41	
		11/3/14	49.15		3,379.03		

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Well Diameter	Collection Date	Depth to Groundwater (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft) P&A P&A	Well Depth (ft TOC)	Well Screen Interval (ft bgs) 44-104
RW001 3128.32	6"	5/5/11 11/4/11					
RW004A 3430.74	6"	5/6/11 11/4/11 5/4/12 10/23/12 5/2/13 10/29/13 5/5/14 11/4/14	47.68 47.50 44.85 47.99 50.20 48.11 50.65 48.01		3,383.06 3,383.24 3,385.89 3,382.75 3,380.54 3,382.63 3,380.09 3,382.73	108.12 114.15 116.80 114.18	95-115
Water Wells							
GOPWW2 3396.67		5/4/11 11/2/11 5/1/12 5/23/13 10/28/13	46.69 47.06 47.00 46.97 NG		3,349.98 3,349.61 3,349.67 3,349.70	91.04	--
LordWW 3419.97		10/26/12 5/23/13 11/5/13 11/4/14	41.38 41.47 39.17 41.20		NA 3,378.59 3,378.50 3,380.80 3,378.77	62.15	--
RolandWW 3419.47					NA		--
WoodellWW 3423.77					NA		77-97
EPWW1 3429.95					NA		--

Notes:

TOC - Top of Casing.

LNAPL - Light non-aqueous phase liquid.

bgs - below ground surface.

NG- Not Gauged

P&A - Plugged and Abandoned

No suffix - shallow/middle monitoring well completion (i.e. MW001).

"A" suffix - deep monitoring well completion (i.e. MW004A).

"M" suffix- middle monitoring well completion (i.e. MW008M).

"SA" suffix - fully-penetrating, monitoring well completion (i.e. MW072SA) .

RW - Recovery Well.

EP - Eunice Plant.

WW - Water Well.

GOP - Gulf Oil Corp.

IW - Injection Well.

TABLE 2
SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature °C	Conductivity (uS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)
<i>Shallow Monitor Wells</i>						
MW-1	5/11/11	6.59	26.49	3,128	18.60	0.16
	5/24/12	6.41	24.58	4,122	-24.20	0.50
	5/6/14	6.73	29.07	4,102	19.10	0.44
MW-2	5/16/11	6.85	23.50	7,140	-234.30	0.99
	5/24/12	6.65	24.92	7,080	43.90	1.31
	5/22/14	6.89	22.22	2,983	109.90	2.11
MW-3	5/11/11	7.26	23.29	3,849	22.80	5.81
	5/22/12	7.24	25.95	1,793	-164.80	7.16
	5/16/13	7.25	25.57	1,775	-141.20	5.21
	5/7/14	7.30	23.18	2,649	71.90	7.83
MW-4 DUP	5/16/11	6.82	21.45	4,273	80.80	1.55
	5/22/12	6.74	24.29	3,955	13.80	0.56
	5/22/12	6.74	24.29	3,955	13.80	0.56
	5/15/13	0.58	24.33	2,823	-237.70	0.19
	5/21/14	6.84	22.38	3,734	30.50	3.49
MW-5	5/17/11	6.93	28.15	2,253	-158.30	0.20
	5/24/12	6.43	29.17	2,988	124.80	0.22
MW-6	5/17/11	7.08	27.20	5,183	-125.00	0.09
MW-7	5/16/11	7.42	22.72	1,463	93.00	6.37
	5/22/12	6.92	26.97	3,667	-168.50	5.02
	5/16/13	7.04	28.38	2,223	-139.60	5.27
	5/9/14	7.23	22.01	2,291	49.10	7.34
MW-8	5/11/11	6.86	22.15	6,275	-77.80	0.28
	5/25/12	6.61	27.32	6,496	54.90	0.54
	5/16/13	6.60	28.51	5,950	-243.50	0.28
	5/7/14	6.97	23.78	4,491	13.70	0.25
MW-8M	5/11/11	6.75	22.40	7,643	-124.80	0.22
	5/6/14	6.25	22.73	5,673	-48.80	0.27
MW-9	5/11/11	7.11	23.23	1,860	183.60	2.91
	5/22/12	7.03	26.24	2,642	-161.40	4.44
	5/15/13	6.79	21.45	1,858	-125.50	4.23
	5/6/14	5.83	25.89	2,055	859	0.79
MW-10	5/11/11	6.73	23.27	9,538	76.30	4.15
	11/7/11	4.74	21.42	7,964	407.60	NA
	5/21/12	6.55	25.45	10,320	65.50	3.94
	10/26/12	7.57	19.17	6,417	-14.00	3.91
	5/17/13	6.74	24.94	1,168	81.00	3.60
	5/7/14	6.66	21.35	9,484	113.3	3.78
	11/5/14	6.71	18.74	4,618	-25	4.08
MW-11	5/16/11	6.61	21.62	6,628	-347.80	0.79
	5/22/12	6.23	23.35	6,629	-143.60	0.16
	5/8/14	6.46	21.24	5,273	-96.7	0.32
MW-11M	5/11/11	6.97	26.07	6,395	-2.00	0.04
	5/22/12	7.04	24.65	7,857	-39.20	0.23
	5/6/14	7.29	22.78	5,879	38	0.20

TABLE 2
SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature °C	Conductivity (uS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)
MW-12	5/13/11	6.56	24.15	4,420	-52.40	0.35
	5/22/12	6.51	23.50	4,601	-92.80	0.19
	5/28/14	7.04	22.54	2,359	-81.5	0.20
MW-12M	5/13/11	7.03	21.06	7,321	-114.40	0.22
	5/22/12	7.02	22.74	7,704	-143.70	0.30
	5/28/14	6.87	21.51	3,331	-143.4	0.15
MW-13 DUP DUP	5/12/11	7.17	27.49	4,785	173.90	3.89
	11/8/11	7.21	20.04	2,627	45.20	5.51
	5/17/12	6.69	21.80	3,395	-167.80	5.89
	5/17/12	6.97	22.01	4,734	-167.80	0.34
	11/1/12	7.53	23.31	2,661	-22.60	4.91
	11/1/12	7.53	23.31	2,661	-22.60	4.91
	5/17/13	7.01	22.98	4,316	101.90	4.72
	5/7/14	7.09	21.19	4,459	95	5.52
	11/7/14	7.83	19.41	2,209	-55.3	4.14
MW-14	5/11/11	6.90	28.05	5,889	156.70	0.55
	11/7/11	6.49	21.29	6,181	375.70	NA
	5/18/12	6.66	22.70	6,656	74.30	0.28
	10/29/12	7.05	23.46	5,837	-72.90	0.29
	5/16/13	6.94	25.93	9,249	112.20	0.20
	5/7/14	6.93	21.08	7,112	53.1	0.27
	11/5/14	7.01	17.98	4,907	-78.7	0.41
MW-15	5/11/11	6.81	22.90	5,105	159.80	5.60
	11/7/11	6.77	21.76	4,497	361.10	NA
	5/17/12	6.82	21.94	4,465	89.20	6.92
	10/29/12	7.02	19.11	2,836	158.70	5.46
	5/16/13	6.89	26.65	9,421	62.30	5.23
	5/6/14	7.01	20.77	3,325	96.6	6.54
	11/4/14	7.05	13.62	1,902	-15.4	7.16
MW-18	5/11/11	6.84	23.19	1,820	199.00	5.29
	11/8/11	6.97	19.16	2,639	276.50	NA
	5/21/12	7.23	22.22	1,856	36.50	3.91
	10/26/12	8.05	19.98	1,656	-30.60	6.05
	5/13/13	6.91	23.98	2,054	38.80	5.08
	5/9/14	7.25	22.28	1,770	107.9	5.37
	11/4/14	7.45	16.87	1,686	-78.7	6.92
MW-20	5/11/11	7.03	23.25	4,512	60.90	4.36
	11/8/11	7.13	17.41	4,633	247.50	NA
	5/17/12	7.80	25.58	4,100	-29.00	5.06
	10/26/12	7.86	17.73	2,898	-22.40	5.47
	5/13/13	7.05	21.05	3,459	-8.90	5.09
	5/6/14	6.99	20.41	3,272	59.3	5.88
	11/4/14	6.87	15.61	2,291	14	3.81
MW-21	5/12/11	7.05	21.72	1,548	182.80	1.39
	11/8/11	7.04	19.20	1,284	12.90	0.43
	5/23/12	6.93	22.35	1,475	-11.90	0.22
	11/1/12	7.28	22.81	1,461	-61.00	1.08
	5/9/13	6.48	22.12	1,787	-76.50	0.46
	3/31/14			P&A		
MW-22	5/13/11	7.05	21.72	1,548	182.80	1.40

TABLE 2
SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature °C	Conductivity (uS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)
MW-23	5/16/11	6.93	22.97	4,785	79.40	5.03
	11/8/11	7.72	17.47	3,571	46.40	9.88
	5/24/12	6.66	23.54	5,749	103.40	6.30
	11/6/12	7.07	21.37	4,155	-1.80	6.55
	5/8/14	6.95	20.30	4,172	102.9	6.34
	11/7/14	7.74	18.57	2,557	-35.7	6.41
MW-24	5/12/11	7.03	22.36	2,722	90.40	1.82
	11/9/11	7.18	18.00	2,337	39.70	1.58
	5/22/12	6.92	23.40	2,796	0.90	1.09
	11/1/12	7.31	21.57	2,473	-49.30	1.76
	5/14/13	6.97	22.58	2,998	-2.00	1.40
	5/8/14	7.04	20.60	2,872	121.4	1.33
	11/6/14	7.81	18.48	2,130	-72.4	2.01
MW-25	5/11/11	6.76	25.73	1,875	102.20	2.50
	11/7/11	6.89	23.24	2,583	36.90	0.25
	5/22/12	6.76	21.88	1,830	57.70	1.45
	10/29/12	7.24	23.96	1,477	-42.00	3.88
	5/16/13	6.71	26.77	2,985	115.70	1.16
	4/1/14			P&A		
MW-26	5/12/11	6.79	24.37	3,545	106.90	3.89
	11/8/11	6.98	18.69	2,376	60.50	6.37
	5/17/12	3.72	29.10	3,724	4.60	4.01
	10/29/12	7.01	23.59	2,627	-15.20	5.11
	5/9/14	7	21.74	2,385	106.6	6.49
	11/5/14	7.54	16.59	1,670	-18.4	6.82
MW-27	5/12/11	7.07	24.60	2,218	94.00	4.31
	11/7/11	7.24	22.57	2,160	62.50	7.10
	5/17/12	7.41	24.42	2,152	1.90	3.96
	10/30/12	7.41	20.65	1,849	-14.60	7.60
	5/20/13	6.98	25.68	2,309	143.20	2.85
	5/9/14	7.20	21.53	1,958	109.2	7.33
	11/5/14	7.82	18.58	1,684	-20.4	7.56
MW-28	5/12/11	7.15	24.16	2,690	65.60	1.71
	11/8/11	7.51	20.33	2,468	-9.20	0.85
	11/2/12	7.35	23.44	2,466	-33.20	2.43
	5/20/13	7.01	20.80	2,497	144.00	1.29
	4/1/14			P&A		
MW-29	5/12/11	7.54	21.09	1,027	81.60	7.06
	11/8/11	7.31	17.79	1,367	282.10	NA
	5/24/12	7.10	23.60	1,294	77.40	7.00
	11/1/12	8.01	17.70	863	-14.90	7.25
	5/14/13	7.27	22.43	1,039	82.70	7.11
	4/1/14			P&A		
MW-30	5/12/11	7.49	23.12	1,110	88.60	5.74
	11/8/11	7.43	18.98	1,149	276.90	NA
	5/24/12	7.58	24.15	995	0.10	4.16
	11/1/12	7.85	20.62	821	-32.10	6.72
	5/14/13	7.27	23.16	876	102.60	6.15
	5/12/14	7.57	20.68	878	95.40	6.38
	11/6/14	8.27	19.42	1,063	-68.40	6.11
MW-30P	5/9/14	6.68	21.37	2,694	-90.60	0.17

TABLE 2
SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature °C	Conductivity (uS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)
MW-31	5/12/11	7.01	21.19	1,057	-46.90	1.64
	11/8/11	7.79	19.56	936	-33.50	1.42
	5/24/12	7.12	26.47	1,368	-64.80	0.19
	10/31/12	7.22	22.88	1,041	-121.70	0.25
	5/14/13	6.85	23.02	1,131	11.40	0.36
	5/12/14	6.99	20.65	1,117	58.70	0.71
	11/6/14	8.02	13.01	990	-179.8	1.68
MW-32	5/12/11	7.06	25.35	1,632	87.30	3.48
	11/8/11	7.26	19.65	1,379	44.50	5.39
	5/24/12	6.99	28.27	2,023	-135.80	4.68
	10/30/12	7.42	23.67	1,349	31.20	4.05
	5/20/13	6.97	24.64	1,866	148.80	2.53
	5/12/14	7.16	20.46	1,569	53.10	4.98
	11/5/14	7.87	18.87	1,285	-19	4.54
MW-33	5/12/11	7.21	24.15	2,830	-329.70	0.68
	11/7/11	7.21	23.69	2,464	-271.80	0.24
	5/17/12	7.21	24.53	5,530	135.40	0.91
	11/6/12	7.17	23.04	2,488	-237.20	0.12
	5/20/13	7.00	26.91	2,999	-166.50	0.13
	10/28/13				P&A	
MW-34	5/12/11	7.21	29.24	2,872	170.90	3.10
	5/8/12	6.96	17.86	2,303	90.70	4.71
	5/9/13	5.83	23.25	3,538	-49.70	4.09
	5/16/14	6.90	21.34	3,023	107.1	3.50
MW-35	5/11/11	6.72	24.65	808	99.20	2.44
	5/25/12	6.58	25.98	2,279	59.30	0.04
	3/31/14				P&A	
MW-36	5/16/11	6.96	28.39	890	-143.80	5.92
	5/25/12	6.73	24.83	1,654	114.50	0.33
	5/27/14	6.72	23.80	1,381	-122.9	0.21
MW-37	5/17/11	6.74	26.54	3,641	-109.50	0.08
	5/25/12	6.68	24.97	5,904	-121.40	0.48
	5/13/13	6.49	23.91	2,708	-241.60	0.14
	5/23/14	6.64	20.78	2,864	-118.7	0.46
MW-38	5/11/11	6.84	23.79	1,483	-126.50	0.17
	5/6/14	7.01	27.45	1,922	-96.8	0.30
MW-43	5/12/11	6.99	25.26	1,897	165.80	0.36
	5/23/12	6.87	22.26	2,047	12.40	0.26
	5/13/13	6.70	24.50	2,188	-226.70	0.39
	5/13/14	6.67	19.85	2,128	17.20	0.19
MW-44	5/12/11	7.42	27.19	965	173.50	4.12
	5/13/13	6.81	23.73	2,774	-235.30	0.40
	5/20/14	6.64	21.10	2,858	-12.60	0.26
MW-45	5/16/11	6.78	24.32	2,082	20.30	0.52
	5/23/12	6.73	21.49	2,249	9.00	0.42
	5/22/14	6.86	20.92	1,662	-136.2	0.21

TABLE 2
SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature °C	Conductivity (uS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)
MW-46	5/16/11	7.01	24.53	3,335	-259.80	0.17
	5/23/12	5.87	25.12	3,261	-152.40	0.20
	5/23/14	7.22	20.40	1,660	-134.9	0.15
MW-47	5/16/11	7.10	22.30	3,512	87.50	4.80
	5/23/12	6.50	26.57	4,646	60.10	5.24
	5/27/14	7.03	24.50	2,316	61.40	3.74
MW-58 DUP DUP	5/13/11	7.16	20.60	4,649	113.80	6.28
	11/10/11	8.62	18.77	1,099	47.60	10.08
	5/24/12	7.50	23.70	1,574	13.00	4.80
	5/24/12	7.50	23.70	1,574	13.00	4.80
	11/6/12	7.11	23.91	5,187	-15.10	4.20
	11/6/12	7.11	23.91	5,187	-15.10	4.20
	5/19/13	7.02	22.33	5,068	26.40	4.77
	5/13/14	7.44	19.50	1,125	110.6	7.07
	11/6/14	8.19	19.07	1,283	-75.3	4.51
MW-59	5/16/11	7.25	22.85	1,044	58.40	5.24
	11/8/11	8.25	18.01	825	26.80	9.92
	5/24/12	7.05	24.07	1,779	76.60	5.19
	11/2/12	7.08	25.44	4,510	-17.50	6.22
	5/13/14	7.48	18.90	866	88.10	6.53
	11/10/14	8.55	18.23	950	-103.1	2.58
MW-60	5/16/11	7.07	23.78	5,364	-155.80	0.49
	11/7/11	7.50	23.25	3,465	-222.40	1.19
	5/24/12	6.89	25.51	3,261	-49.50	0.54
	10/31/12	6.55	27.51	4,139	-156.80	0.33
	5/15/13	6.94	20.28	6,226	-29.90	0.35
	5/12/14	6.72	20.93	3,121	-48	0.19
	11/6/14	7.91	18.78	2,091	-189.4	0.58
MW-61	5/13/11	6.94	21.49	2,043	73.30	0.35
	11/8/11	7.09	18.61	3,109	26.40	NA
	5/25/12	7.22	22.63	2,447	-187.30	0.45
	11/2/12	7.10	24.88	5,021	-18.30	3.72
	5/15/13	7.10	25.16	5,286	111.30	1.87
	5/13/14	7.23	19.38	1,757	37.10	0.60
	11/7/14	8.12	19.07	935	-59	5.81
MW-68	5/13/11	7.37	20.57	946	107.20	4.69
	11/7/11	7.93	23.51	991	32.90	7.57
	5/25/12	7.44	20.22	1,177	-181.80	3.53
	10/31/12	8.08	17.24	1,033	-43.60	2.02
	8/18/13	7.07	24.39	1,711	96.00	5.27
	5/12/14	7.43	23.27	1,223	122.1	4.61
	11/5/14	8.21	18.30	2,174	-66.40	1.81
MW-69	5/16/11	6.73	22.92	4,010	12.10	0.28
	5/24/12	6.84	24.06	3,892	43.50	0.16
	5/14/13	6.63	23.37	3,145	-263.10	0.33
	5/13/14	6.77	19.45	2,669	27.10	0.30
MW-70	5/13/11	7.33	20.72	1,413	64.20	4.34
	11/9/11	8.52	16.48	1,007	26.60	7.56
	5/23/12	7.34	23.55	1,448	8.60	3.20
	11/6/12	7.39	23.49	1,258	-24.80	4.44
	5/14/13	7.16	22.49	1,197	31.80	5.12
	5/8/14	7.33	20.90	1,170	110.1	4.61
	11/10/14	8.23	20.26	1,247	-77	4.61

TABLE 2
SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature °C	Conductivity (uS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)
MW-88M	5/11/11	6.50	27.35	7,863	-157.10	0.07
	5/9/14	6.67	20.88	5,195	77.80	0.14
MW-94	11/17/11	6.85	17.45	1,503	86.30	NA
	5/25/12	7.35	24.53	1,693	182.00	1.65
	10/31/12	7.09	22.43	1,570	-58.80	0.34
	5/15/13	7.02	26.35	4,463	94.10	0.30
	5/9/14	7.35	23.36	1,546	28.20	0.88
	11/5/14	9.23	17.08	1,286	-173.40	1.68
MW-95 DUP	11/17/11	6.67	17.50	5,576	103.80	1.17
	5/25/12	7.15	21.90	5,827	-166.00	0.21
	5/25/12	7.15	21.90	5,827	-166.00	0.21
	10/31/12	6.80	22.49	5,258	32.90	0.31
	5/15/13	6.98	22.28	9,012	119.20	0.29
	5/9/14	7.10	21.03	5,121	-58.20	0.23
	11/6/14	7.64	19.44	3,297	-74.10	0.34
MW-095P	5/7/14	7.46	25.13	1,538	-89.40	0.40
MW-096P	5/7/14	7.39	23.10	2,883	-234.60	0.23
IW001	5/17/11	7.02	25.88	8,518	-300.70	0.15
	5/25/12	6.89	20.95	7,933	228.80	0.39
	5/8/14	7.06	23.58	7,983	-199.70	0.13
IW002	5/17/11	7.02	24.52	6,605	-226.70	0.13
	11/9/11	7.70	18.51	4,321	-160.30	3.24
	5/22/13	7.10	27.33	7,838	-174.30	2.54
	5/28/14	6.92	26.48	2,576	-214.9	0.07
RW002	5/17/11	6.27	22.43	5,272	-129.90	0.43
	5/22/12	5.95	22.50	6,422	-39.20	0.29
	3/31/14			P&A		
RW003	5/17/11	6.54	27.63	3,568	-106.30	0.20
	5/21/12	6.59	25.21	4,231	-121.10	0.43
	5/22/13	6.82	22.41	3,928	-106.30	2.53
	5/28/14	6.90	23.11	2,192	-142.80	0.12
Deep Monitor Wells						
MW-2A	5/25/11	7.09	26.08	1,719	139.70	2.20
	5/24/12	6.86	25.09	2,026	58.00	2.35
	5/22/14	6.07	21.79	1,486	137	0.56
MW-4A	5/24/11	7.84	24.57	1,863	95.20	4.66
	5/22/12	7.11	24.14	3,065	-10.00	3.33
	5/15/13	7.31	26.38	2,377	-287.10	0.52
	5/21/2014	7.07	22.19	3,164	15	7.02
MW-7A	5/24/11	7.36	28.96	2,804	56.00	2.60
	5/16/13	7.16	24.70	2,438	-215.50	0.72
	5/7/14	7.32	23.31	2,203	8.20	0.58
MW-8A	5/26/11	6.52	22.91	6,510	-187.80	1.19
	5/16/13	6.46	23.85	4,991	-210.90	0.11
	5/8/14	7.19	22.67	4,941	-165	0.10
MW-9A	5/25/11	7.19	22.67	2,497	130.80	4.60
	5/15/13	6.90	22.53	2,941	-180.00	1.39
	5/27/14	6.99	23.43	2,362	17.60	0.14

TABLE 2
SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature °C	Conductivity (uS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)
MW-11A	5/25/11	6.90	26.80	6,922	126.40	0.49
	5/22/12	6.69	23.42	7,411	73.20	0.40
	5/8/14	6.43	23.41	6,076	36.40	0.45
MW-12A	5/25/11	7.74	24.25	869	-704.90	0.39
	5/22/12	7.57	22.48	923	-245.60	0.40
	5/28/14	7.69	23.15	893	-169.10	0.14
MW-13A	5/19/11	7.39	24.41	784	48.40	4.44
	11/9/11	7.56	19.01	742	54.10	6.41
	5/17/12	7.13	22.87	996	78.50	6.43
	10/29/12	7.31	21.55	779	58.90	5.38
	5/17/13	7.15	23.33	1,157	108.80	4.97
	5/7/14	7.45	21.56	1,067	101.70	6.55
	11/7/14	8.01	18.84	1,690	-92.30	0.46
MW-14A	5/18/11	6.66	24.51	335	31.60	2.86
	11/9/11	7.35	19.19	266	21.00	0.39
	5/18/12	7.26	22.61	930	29.40	4.92
	10/29/12	7.57	23.20	797	39.80	4.04
	5/16/13	7.06	23.39	969	102.80	0.58
	5/7/14	7.59	21.92	1,023	-61.70	4.80
	11/5/14	8.67	18.87	331	-140.1	0.59
MW-15A	5/18/11	7.31	24.79	2,515	63.40	3.80
	11/9/11	7.72	19.33	2,237	57.70	6.17
	5/17/12	6.49	21.24	9,187	88.10	4.49
	10/29/12	4.93	17.83	5,661	223.60	1.64
	5/16/13	5.40	25.32	6,990	75.90	0.24
	5/6/14	6.75	21.70	9,954	119.1	3.31
	11/10/14	7.50	21.58	2,311	-67	1.69
MW-16A	5/17/11	8.16	27.30	1,670	97.90	4.33
	11/9/11	8.02	18.40	2,111	243.10	NA
	5/17/12	7.51	21.37	1,665	63.20	3.00
	10/26/12	7.10	19.78	1,877	76.80	-
	5/16/13	7.24	26.74	2,194	-143.70	0.42
	5/6/14	7.24	21.46	2,452	60.60	5.84
	11/13/14	7.51	13.40	1,203	-142.3	0.72
MW-18A	5/24/11	7.80	27.79	352	41.10	3.51
	11/9/11	6.99	16.76	1,838	273.70	NA
	5/21/12	7.46	21.19	1,385	10.80	3.97
	10/26/12	8.13	19.94	1,365	-39.80	5.94
	5/13/13	0.18	7.18	377	-1.10	1.39
	4/1/14				P&A	
MW-19A	5/17/11	7.37	24.40	1,921	134.60	3.82
	11/9/11	7.74	17.01	1,887	217.90	NA
	5/21/12	7.31	21.07	1,672	17.70	4.17
	10/26/12	7.13	18.83	1,522	75.30	-
	5/13/13	7.36	26.28	1,718	-20.20	0.68
	5/6/14	7.28	20.51	1,690	41.1	2.47
	11/4/14	8.71	15.68	1,423	-140.1	0.36
MW-20A	5/16/11	7.07	25.56	5,134	-5.70	3.51
	11/9/11	7.32	17.20	2,471	231.40	NA
	5/17/12	7.00	25.01	2,348	21.80	3.11
	10/26/12	6.68	19.20	3,032	79.20	-
	5/13/13	6.14	20.25	3,356	106.70	2.13
	5/6/14	6.97	21.34	3,626	95	4.08
	11/4/14	7.63	16.53	1,863	14.7	7.48

TABLE 2
SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature °C	Conductivity (uS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)
MW-21A	5/23/11	7.06	29.81	1,095	55.70	2.03
	11/17/11	6.08	13.06	9,209	170.10	NA
	5/17/12	6.96	22.40	12,490	-100.10	0.50
	11/8/12	7.03	23.09	12,690	-77.00	0.59
	5/9/13	6.39	21.35	11	-74.90	0.37
	5/16/14	6.75	21.04	12,020	48.80	0.45
	11/13/14	7.30	15.73	4,531	-126.3	1.60
MW-22A	5/25/11	7.57	25.87	634	119.40	4.20
	11/17/11	6.85	13.55	609	115.10	NA
	5/23/12	7.36	28.16	812	5.40	4.13
	11/9/12	7.60	23.61	657	-31.60	4.60
	6/1/13				P&A	
MW-23A	5/18/11	7.62	22.75	806	50.60	5.21
	11/10/11	7.97	16.55	641	51.50	6.52
	5/24/12	6.75	22.89	905	93.50	5.33
	10/30/12	7.70	18.66	703	85.30	4.87
	5/8/14	7.76	20.55	774	34.10	5.36
	11/7/14	8.42	18.62	921	-71.4	5.98
MW-24A	5/18/11	7.62	25.07	1,439	30.80	1.69
	11/10/11	7.90	18.17	1,255	51.50	6.64
	5/18/12	7.31	21.66	3,022	46.80	3.87
	10/30/12	7.08	20.63	2,517	82.30	3.25
	5/13/13	7.16	24.45	2,175	-8.70	3.14
	5/8/14	7.12	20.48	2,988	68	3.51
	11/7/14	8.54	18.26	1,351	-74.70	7.30
MW-39A DUP	5/26/11	7.62	24.50	1,404	-67.30	4.30
	5/25/12	7.75	24.01	1,716	10.10	0.66
	5/25/12	7.75	24.01	1,716	10.10	0.66
	5/27/14	7.45	25.77	1,543	0.10	0.32
MW-40A	5/19/11	8.07	23.18	687	88.80	3.66
	11/9/11	8.55	19.85	659	37.30	5.53
	5/17/12	7.28	23.28	907	59.00	6.93
	10/29/12	8.10	23.74	782	45.00	3.94
	5/17/13	7.86	24.60	1,144	73.80	3.01
	5/7/14	7.63	21.35	1,037	106.8	6.65
	11/10/14	8.53	22.51	1,008	-77.8	4.37
MW-41A	5/24/11	5.40	24.98	2,225	174.70	1.71
	5/8/12	5.69	18.89	20,250	178.10	0.89
	5/9/13	4.91	24.03	3,032	-48.50	0.95
	5/16/14	7.01	21.96	2,737	95.10	4.05
MW-42A	5/25/11	9.29	24.22	2,123	95.30	5.40
	5/25/12	9.26	76.72	2,894	-2.00	5.88
	5/22/14	9.77	21.69	2,296	106.3	5.50
MW-46A	5/25/11	7.88	24.91	2,113	154.10	5.65
	5/23/12	7.61	24.26	2,525	10.10	5.59
	5/22/14	7.80	21.53	1,845	43.70	5.07
MW-48SA DUP	5/29/11	7.10	23.29	2,673	100.80	4.79
	11/16/11	7.03	20.66	3,649	117.10	NA
	5/16/12	6.97	20.91	3,257	92.20	6.01
	11/8/12	7.70	22.25	2,651	-21.60	5.48
	11/8/12	7.70	22.25	2,651	-21.60	5.48
	5/8/13	4.65	23.49	5,178	-60.20	4.96
	5/15/14	7	20.67	3,814	130.4	5.62
	11/14/14	6.76	15.41	3,385	-147.8	6.78

TABLE 2
SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature °C	Conductivity (uS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)
MW-49SA	5/23/11	0.93	35.48	5,362	79.80	1.14
	5/17/12	7.10	20.97	6,893	-128.20	-1.14
	5/8/13	4.16	23.15	8,950	-74.50	1.32
	5/15/14	6.91	20.46	6,338	120.7	1.77
MW-50SA	5/23/11	6.77	25.97	5,415	109.40	1.26
	5/17/12	7.05	21.33	5,115	-117.90	1.24
	5/8/13	3.70	23.40	9,043	-79.90	0.42
	5/16/14	6.71	21.41	5,912	57	0.34
MW-51SA	5/23/11	6.46	25.88	5,220	127.70	1.02
DUP	5/16/12	6.99	20.94	6,176	145.70	0.72
	5/16/12	6.99	20.94	6,176	145.70	0.72
	5/8/13	4.60	23.81	8,190	-80.40	0.45
	5/15/14	6.75	20.2	5,325	113.7	0.54
MW-52SA	5/23/11	6.85	25.86	4,792	74.70	1.84
	5/16/12	5.87	21.45	5,595	131.50	1.29
	5/8/13	5.08	23.08	7,850	-62.30	1.76
	5/15/14	6.81	20.38	6,031	131.40	2.33
MW-53SA	5/24/11	7.29	22.95	1,490	91.80	2.61
	11/16/11	6.56	19.68	1,775	155.50	NA
	5/16/12	7.34	22.60	1,949	67.40	5.78
	11/9/12	7.54	24.03	1,824	-23.90	5.26
	5/8/13	7.18	22.80	2,200	-160.60	4.34
	5/15/14	7.08	21.12	1,837	54.20	4.94
	11/14/14	7.76	12.48	2,563	-144.1	6.65
MW-54SA	5/24/11	7.12	27.92	3,477	139.80	4.16
	11/16/11	3.78	19.38	3,516	290.60	NA
	5/16/12	6.86	21.30	3,743	87.50	5.20
	11/7/12	7.12	23.21	3,197	-38.80	4.56
	11/7/12	7.12	23.21	3,197	38.80	4.56
	5/8/13	5.70	21.52	4,734	-49.20	4.02
	5/15/14	6.97	20.03	4,029	112.30	4.91
	11/14/14	6.61	14.21	3,783	-139.10	5.08
MW-55SA	5/24/11	7.19	26.50	2,616	120.50	4.02
	11/16/11	3.93	20.39	3,010	279.20	NA
	5/16/12	6.92	20.75	3,060	89.40	5.59
	5/16/12	6.92	20.75	3,060	89.40	5.59
	11/7/12	7.19	22.15	2,543	-37.40	6.55
	11/7/12	7.19	22.15	2,543	-37.40	6.55
	5/7/13	5.39	23.20	3,463	-60.20	5.65
	5/14/14	7.15	19.32	2,399	104.10	4.23
	11/12/14	6.96	14.78	1,381	-29.70	6.51
MW-56SA	5/17/11	7.11	28.10	7,134	84.30	2.37
	11/17/11	6.40	16.46	5,599	78.40	5.32
	5/16/12	7.07	22.84	6,224	-2.10	2.27
	5/16/12	7.07	22.84	6,224	-2.10	2.27
	11/8/12	7.34	20.91	5,089	-10.00	4.11
	5/8/13	6.88	24.06	5,603	-164.80	2.57
	5/15/14	6.96	20.06	5,787	86.30	5.02
	11/13/14	7.04	15.70	3,953	-108.20	4.93

TABLE 2
SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature °C	Conductivity (uS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)
MW-57SA	5/17/11	7.15	26.19	2,528	105.40	4.78
	11/10/11	5.57	17.21	2,277	322.30	NA
	5/17/12	7.27	22.92	1,840	15.80	4.37
	10/31/12	7.03	21.92	1,675	74.40	5.63
	5/8/13	7.00	22.55	2,097	-132.00	5.49
	5/14/14	7.40	19.42	707	77.9	6.43
	11/11/14	7.29	10.61	474	-45	8.08
MW-62A	5/19/11	7.74	24.69	671	85.50	5.00
	11/10/11	8.01	19.27	646	38.70	6.05
	5/23/12	7.72	20.80	828	35.00	4.13
	10/31/12	7.57	19.51	717	74.10	5.65
	5/14/13	7.61	20.28	830	-246.10	0.57
	5/13/14	7.58	19.66	766	143.70	6.22
	11/10/14	7.25	24.02	975	-44.70	1.71
MW-63A	5/19/11	7.52	23.25	643	82.70	1.64
	11/10/11	7.90	18.97	606	37.60	3.85
	5/18/12	7.63	22.72	829	17.30	4.64
	10/31/12	7.60	18.35	653	72.10	5.65
	5/13/13	7.48	22.25	861	-257.50	0.38
	5/13/14	7.64	19.76	692	127.90	6.26
	11/10/14	7.31	23.53	827	-77.80	1.18
MW-64SA	5/10/11	6.83	25.57	3,338	110.30	4.61
	11/10/11	8.01	18.01	2,707	53.50	7.18
	5/11/12	7.13	18.63	3,586	21.90	3.78
	10/30/12	7.34	23.18	3,422	-23.70	5.08
	5/6/13	8.29	21.05	4,820	-48.80	5.15
	4/1/14				P&A	
MW-65SA DUP DUP	5/19/11	7.01	23.70	3,770	106.90	5.55
	11/14/11	5.23	20.90	4,406	223.40	NA
	5/9/12	7.10	21.69	3,714	74.10	5.23
	5/9/12	7.10	21.69	3,714	74.10	5.23
	11/1/12	6.95	23.46	4,033	68.70	4.93
	11/1/12	6.95	23.46	4,033	68.70	4.93
	5/7/13	5.35	24.07	5,140	-61.10	5.27
	5/14/14	6.38	20.12	3,253	60.10	0.24
	11/12/14	6.70	16.50	1,944	-62.10	0.3
MW-66SA	5/18/11	6.86	24.88	4,576	86.30	1.27
	11/14/11	5.88	20.58	4,849	177.80	NA
	5/15/12	6.82	21.35	5,692	62.40	0.58
	11/2/12	6.78	19.24	4,129	59.90	0.32
	5/7/13	6.93	25.36	4,846	251.80	0.30
	5/15/14	6.72	21.81	4,052	51.70	0.26
	11/12/14	6.54	14.36	1,935	-56.60	0.47
MW-67SA	5/19/11	7.18	27.65	1,485	44.40	3.63
	11/15/11	6.12	20.32	1,669	170.90	NA
	5/16/12	6.41	20.75	1,695	123.10	5.75
	11/2/12	7.06	25.06	1,583	57.60	4.38
	5/8/13	7.03	22.19	1,677	-160.60	4.36
	5/15/14	6.91	20.39	1,390	71.90	4.29
	11/13/14	7.24	13.19	1,023	-113	1.50
MW-70A	5/18/11	7.83	24.35	798	64.30	5.22
	5/23/12	7.78	22.73	870	-13.10	3.77
	5/14/13	7.34	25.67	803	15.20	4.03
	5/8/14	7.63	20.56	781	121.70	5.28

TABLE 2
SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature °C	Conductivity (uS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)
MW-71SA	5/18/11	7.37	27.05	1,084	90.20	1.21
	11/14/11	5.92	19.85	1,085	206.20	NA
	5/8/12	7.28	19.86	979	65.10	1.50
	11/1/12	7.17	23.12	1,058	17.90	0.45
	5/7/13	5.16	24.50	1,550	-78.40	0.52
	5/16/14	7.08	21.88	1,073	-29.80	0.28
	11/12/14	7.31	12.97	809	-50.40	5.19
MW-72SA	5/18/11	7.32	25.82	1,945	123.10	6.10
	11/14/11	5.99	20.77	1,607	193.40	NA
	5/15/12	7.26	20.58	2,059	74.10	8.00
	11/2/12	7.14	20.23	2,036	74.40	6.34
	5/8/13	6.97	19.82	2,181	-122.90	5.15
	5/15/14	7.36	21.79	1,598	51.60	6.38
	11/12/14	7.02	16.16	1,197	-45.50	5.13
MW-73SA	5/19/11	7.21	21.31	1,711	112.90	2.08
	11/14/11	5.94	20.88	1,861	173.20	NA
	5/15/12	6.97	20.84	2,012	64.10	1.57
	11/2/12	7.10	22.67	1,591	55.00	1.15
	5/8/13	7.05	20.73	1,759	-184.60	1.44
	5/16/14	7.09	22.31	1,667	24.60	1.46
	11/12/14	6.92	16.23	1,224	-58.40	1.69
MW-74SA	5/18/11	7.05	23.87	3,102	142.00	5.08
	11/10/11	6.29	17.29	4,080	270.00	NA
	5/16/12	7.11	23.44	3,588	1.80	3.23
	10/31/12	6.92	22.30	2,997	68.20	5.15
	5/7/13	5.65	22.98	3,180	-60.50	5.36
	5/14/14	7.02	19.68	2,752	123.1	4.69
	11/11/14	6.39	17.80	1,338	-22.90	6.14
MW-75SA	5/10/11	7.41	26.14	29,990	87.10	5.18
	11/11/11	7.08	16.01	4,024	78.20	NA
	5/9/12	7.16	27.16	2,941	70.40	4.51
	10/30/12	7.28	23.84	2,963	-19.60	5.74
	5/6/13	7.27	25.41	3,785	-163.80	4.74
	5/14/14	7.16	19.66	2,799	123.70	5.05
	11/11/14	6.84	18.38	1,724	-27.50	6.50
MW-76SA	5/10/11	7.44	26.76	2,838	82.60	4.61
	11/11/11	6.96	16.99	3,793	65.70	NA
	5/9/12	7.25	21.24	2,661	79.70	4.68
	10/30/12	7.03	21.42	2,689	68.00	4.80
	5/7/13	10.22	18.47	2,996	-46.90	5.50
	5/14/14	7.12	19.84	2,742	121.50	4.43
	11/11/14	6.81	18.23	1,670	-37.20	4.04
MW-77SA	5/10/11	7.11	27.08	3,667	142.80	4.04
	11/11/11	6.69	17.46	4,361	60.20	NA
	5/9/12	7.24	19.49	1,809	169.30	3.07
	11/1/12	7.07	19.87	2,414	60.00	0.79
	5/6/13	7.31	22.85	2,159	-173.60	3.79
	4/1/14				P&A	
MW-78SA	5/19/11	7.37	25.96	1,294	95.20	2.38
	11/15/11	6.65	19.47	1,252	199.50	NA
	5/16/12	7.26	23.28	1,431	-34.90	1.48
	11/2/12	7.08	24.29	1,291	39.30	1.69
	5/8/13	7.08	23.08	1,471	-194.80	1.81
	5/15/14	7.08	20.80	1,175	28.20	2.86
	11/13/14	7.20	15.18	974	-109.1	4.10

TABLE 2
SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature °C	Conductivity (uS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)
MW-79SA	5/23/11	6.94	29.42	2,142	-316.60	0.07
	11/15/11	5.46	21.07	2,068	-195.80	NA
	5/9/12	7.01	20.43	2,193	-297.70	0.61
	11/7/12	6.89	23.36	1,965	-193.90	0.52
	5/9/13	6.68	21.79	2,305	-291.40	0.22
	5/15/14	7.09	21.22	1,941	-98.10	0.98
	11/13/14	6.93	14.77	1,447	-110.30	2.80
MW-80SA	5/19/11	7.20	24.87	1,694	48.70	4.38
	11/15/11	6.50	20.43	1,880	173.70	NA
	5/9/12	7.14	21.73	2,118	50.90	6.30
	11/7/12	7.29	22.61	1,784	-19.00	6.30
	5/9/13	7.08	25.90	2,418	-158.90	4.95
	3/31/14				P&A	
MW-81SA	5/19/11	6.97	24.89	2,529	-8.20	0.90
	11/15/11	5.63	21.45	2,515	91.30	NA
	5/9/12	7.01	20.43	2,665	-6.70	1.95
	11/7/12	7.10	21.26	2,330	-24.30	1.29
	5/8/13	7.07	23.61	2,730	-223.30	0.41
	4/1/14				P&A	
MW-82SA	5/10/11	6.74	25.61	4,170	45.90	0.35
	11/10/11	5.41	18.07	5,228	-103.30	NA
	5/11/12	6.85	19.70	3,995	-184.40	0.26
	10/30/12	6.80	21.84	4,015	-39.00	0.17
	5/6/13	6.84	17.64	5,469	-265.90	0.33
	4/1/14				P&A	
MW-83SA	5/9/11	6.69	28.14	3,701	99.70	1.32
	11/10/11	5.61	17.80	6,204	156.30	NA
	5/11/12	7.02	20.00	5,220	71.00	0.72
	10/31/12	6.92	22.16	5,014	52.10	0.35
	5/6/13	6.97	19.94	6,120	-261.00	0.16
	5/14/14	6.84	20.20	4,733	56.10	0.21
	11/11/14	6.90	16.37	1,602	-87.50	0.33
MW-84SA	5/10/11	7.07	26.91	5,021	132.10	3.90
	11/10/11	7.83	18.11	3,869	56.10	7.11
	5/11/12	7.06	17.75	4,686	56.80	4.09
	10/30/12	6.95	22.56	4,715	52.70	4.12
	5/6/13	6.68	22.43	6,031	-60.50	4.58
	5/14/14	6.50	19.94	4,177	91.80	5.13
	11/11/14	6.65	17.90	2,040	-40.10	3.25
MW-85SA	5/9/11	5.15	28.47	4,870	-87.40	5.15
	10/10/11	3.03	17.33	4,463	-111.30	NA
	5/11/12	6.82	18.64	3,521	-141.40	0.89
	10/31/12	6.75	21.89	3,631	-35.60	0.20
	5/6/13	6.56	21.46	4,742	-69.70	0.39
	5/14/14	6.68	20.26	3,908	56.70	0.22
	11/11/14	6.45	17.31	1,709	-56.30	0.48
MW-86SA	5/19/11	7.17	23.46	2,508	96.30	2.79
	11/14/11	5.19	19.39	1,931	229.90	NA
	5/8/12	7.27	19.39	7,219	93.00	4.02
	11/1/12	7.07	21.95	2,855	35.50	1.00
	5/7/13	8.49	22.14	3,878	-83.00	1.10
	5/14/14	7.24	20.11	2,212	152.3	5.62
	11/12/14	6.95	14.99	1,308	-30.50	7.20

TABLE 2
SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature °C	Conductivity (uS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)
MW-87A	5/26/11	7.16	20.71	5,123	-361.60	0.90
	5/16/13	7.12	25.41	6,134	-212.30	0.20
	5/8/14	7.30	23.18	531	-104.1	0.15
MW-89SA	5/24/11	7.02	23.73	4,274	119.30	3.02
DUP	5/22/12	7.13	26.36	1,805	-174.80	5.00
	5/22/12	7.13	26.36	1,805	-174.80	5.00
	5/15/13	7.00	24.95	1,544	-169.10	3.22
	5/27/14	7.06	23.04	1,560	52.70	4.29
MW-90SA	5/25/11	7.20	24.04	2,743	128.80	4.65
	5/23/12	6.95	28.59	2,743	-151.40	5.37
	5/14/13	6.97	20.82	1,718	-188.00	2.55
	5/22/14	6.71	21.04	2,276	85.20	5.50
MW-91SA	5/24/11	7.21	27.04	1,537	107.50	2.75
	5/8/12	7.09	20.09	1,566	70.00	2.32
	5/9/13	6.90	23.07	2,258	-195.60	1.20
	5/21/14	6.83	21.36	2,631	21.80	2.40
MW-92SA	5/23/11	6.86	26.94	2,073	78.90	3.22
	5/11/12	7.01	19.87	1,675	107.80	3.53
	5/9/13	6.70	25.10	4,571	-174.30	1.48
	3/31/14				P&A	
MW-93SA	5/23/11	6.81	29.64	2,046	54.70	2.84
	5/11/12	6.81	19.13	1,751	113.50	1.79
	5/10/13	6.65	18.35	2,881	-207.80	0.89
	5/21/14	6.55	20.52	2,458	-3.60	2
IW-3	5/20/11	6.73	21.01	4,198	-179.80	1.03
	5/11/12	7.15	20.20	5,495	197.60	0.67
	5/9/13	6.63	23.32	3,360	-225.40	0.17
	5/20/14	6.73	22.48	3,849	-109.4	0.21
IW-4	5/20/11	6.52	22.31	4,970	-144.10	1.01
	5/11/12	7.02	19.69	6,085	162.20	0.53
	5/9/13	6.34	23.29	3,490	-212.10	0.29
	5/20/14	6.41	21.82	3,785	-62.20	0.22
IW-5	5/20/11	6.67	22.53	4,655	-175.20	0.76
	5/11/12	7.05	20.20	5,833	199.80	0.24
	5/7/13	6.79	22.56	3,041	-256.90	0.09
	5/16/14	6.60	23.19	2,574	-165.3	0.10
IW-6	5/20/11	6.72	24.43	4,621	-76.60	0.72
	5/11/12	7.08	19.80	5,110	174.50	0.15
	5/7/13	6.88	23.62	3,049	-218.00	0.13
	5/16/14	6.45	23.92	2,345	-113.5	0.11
IW-7	5/19/11	6.88	27.89	5,937	-165.50	0.81
	5/15/12	6.82	19.75	5,915	-200.80	0.67
	5/7/13	6.96	23.37	3,077	-245.70	0.13
IW-8	5/20/11	6.95	17.90	3,412	-68.60	2.25
	5/15/12	7.05	20.45	4,340	-165.50	0.42
	5/7/13	7.05	23.51	2,712	-232.40	0.16
	5/20/14	6.87	20.39	2,661	-110.70	0.33
IW-9	5/20/11	6.20	21.66	8,569	-84.70	1.33
	5/7/13				Insufficient	Water
	5/20/14	7.08	20.78	3,890	-14.90	0.57

TABLE 2
SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature °C	Conductivity (uS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)
IW-10	5/20/11	6.57	22.84	4,974	-28.00	0.95
	5/15/12	6.56	23.77	4,440	-60.10	0.99
	5/7/13	6.68	22.25	3,665	-219.50	0.27
	5/19/14	6.52	23.08	4,698	-73.70	0.35
IW-11	5/20/11	6.78	23.77	4,662	-124.50	0.77
	5/15/12	6.72	23.09	3,970	168.70	0.70
	5/7/13	6.77	20.13	2,416	-265.70	0.20
	5/19/14	6.57	24.64	4,550	-99	0.28
IW-12	5/20/11 5/7/13				NS Insufficient	Water
IW-13	5/20/11	6.75	21.72	3,923	-128.50	0.30
	5/15/12	6.97	22.01	4,734	-167.80	0.34
	5/13/13	6.89	22.60	4,649	-301.00	0.08
	5/19/14	6.91	25.56	5,074	-152.30	0.12
IW-14 Dup	5/20/11	6.81	23.60	4,846	-177.50	0.08
	5/15/12	6.97	22.02	5,588	-184.50	0.35
	5/15/12	6.97	22.02	5,588	-184.50	0.35
	5/6/13	7.05	22.62	5,220	-317.90	0.09
	5/19/14	6.91	20.65	4,925	-211.20	0.68
IW-15	5/20/11	6.79	21.73	4,305	-179.30	1.14
	5/11/12	7.07	19.22	5,686	-198.30	1.40
	5/9/13	6.64	23.90	3,947	-190.00	0.15
	5/20/14	6.81	24.15	4,531	-147.20	0.15
IW-16	5/20/11	7.00	23.32	2,951	-121.60	1.79
	5/9/12	6.82	19.88	2,857	218.30	2.03
	5/9/13	6.70	23.50	2,678	-308.20	0.10
	5/20/14	6.74	22.02	2,396	-111.30	0.34
IW-18	5/23/11	7.01	27.74	1,358	24.50	4.15
	5/11/12	7.16	20.42	1,069	106.90	1.30
	5/10/13	6.72	19.40	3,836	-216.50	0.49
	5/20/14	6.60	23.55	2,585	-14	0.53
IW-19	5/23/11	7.37	28.13	891	21.40	4.73
	5/11/12	7.27	20.48	971	113.60	5.69
	5/10/13	6.80	19.65	2,276	-262.70	0.44
	5/20/14	6.74	21.66	2,525	-7.6	0.27
IW-20	5/23/11	7.01	26.26	1,202	64.80	5.33
	5/17/12	7.11	22.08	1,260	67.70	4.38
	5/10/13	6.60	19.03	3,596	-255.90	0.34
	3/31/14				P&A	
IW-21	5/23/11	6.83	27.76	2,370	91.40	3.00
	5/17/12	7.06	21.88	2,160	-53.20	4.76
	5/13/13	6.83	21.57	2,420	-161.90	2.46
	5/21/14	6.66	21.01	3,056	35.8	2.36
IW-22	5/24/11	7.05	25.78	1,451	88.70	2.56
	5/17/12	7.15	22.10	1,960	67.20	2.76
	5/13/13	6.96	20.44	2,713	-173.10	2.24
	5/21/14	6.80	21.36	2,803	49.7	3.23
IW-23	5/24/11	7.01	26.16	3,063	103.70	2.63
	5/18/12	7.09	21.02	3,309	70.70	0.63
	5/13/13	7.00	20.05	3,220	-167.10	2.90
	5/21/14	6.96	22.08	3,206	40.2	6.76

TABLE 2
SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	pH	Temperature °C	Conductivity (uS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)
IW-24	5/24/11	6.89	25.79	3,907	58.90	3.83
	5/24/12	6.80	27.86	4,660	-111.80	3.66
	5/14/13	6.74	23.65	2,957	-178.50	1.77
	5/22/14	6.55	20.34	3,693	10.80	3.93
IW-25	5/24/11				NS	
	5/14/13	6.22	23.76	3,485	-278.50	0.30
	5/22/14	6.22	20.42	3,294	-158.7	0.73
IW-26	5/24/11				NS	
	5/23/12	6.87	28.76	3,167	-111.00	5.71
	5/14/13	6.87	23.30	2,654	-169.30	5.20
	5/22/14	6.59	20.22	3,186	92.40	6.38
IW-27	5/24/11	7.01	24.60	2,804	142.60	5.04
	5/23/12	6.90	27.26	3,426	-220.20	4.89
	5/14/13	7.08	22.95	1,590	-148.30	4.78
	5/22/14	6.92	20.89	2,045	66.3	5.52
IW-28 Dup	5/23/11	6.95	29.80	3,233	39.50	4.62
	5/22/12	7.07	27.40	2,479	-160.80	4.38
	5/22/12	7.07	27.40	2,479	-160.80	4.38
	5/15/13	6.90	20.62	1,952	-124.80	3.80
	5/22/14	6.95	20.75	1,849	48.10	6.05
IW-29	5/7/14	7.53	22.70	8,409	-257.1	0.15
RW-1	---			Plugged	and	Abandoned
RW-4A	5/25/11	5.68	25.07	1,092	-158.90	1.16
	5/8/14	6.90	25.68	5,981	-157.4	0.10
RW060	7/14/11	6.27	22.43	5,272	-129.90	0.10
Water Wells						
EP-WW1	5/18/11		No	Parameters	Taken from Non-	Water Well Operable
GOPWW2	5/25/11	7.28	24.89	4,724	-193.50	0.47
	11/17/11	7.01	16.71	4,494	-110.90	NA
	5/8/12	7.71	19.11	3,899	-110.70	1.01
	11/1/12	7.84	21.08	4,077	341.60	0.04
LORDWW	5/26/11	8.08	20.79	6,029	-299.60	0.45
	11/10/11	8.44	19.09	5,179	-278.20	0.24
	5/18/12	8.83	25.14	6,446	-217.50	0.18
	10/26/12	8.65	15.77	4,037	-187.20	0.26
	5/9/14	8.25	19.72	4,258	-76.8	0.29
	11/10/14	9.16	23	3,954	-165.7	0.27
ROLANDWW	5/25/11	8.36	23.83	1,706	99.10	0.61
WOODELLWW	5/25/11		No	Parameters	Taken from	Water Well
	5/16/12	7.00	70.11	2,965	-1.40	3.87

Notes:

NA - Not Analyzed.
 LNAPL - Light non-aqueous phase liquid.
 NS - Not Sampled.
 NG - Not Gauged
 P&A - Plugged and Abandoned

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA - SELECT INORGANIC METALS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Arsenic (dissolved) (mg/L)	Chromium VI (hexavalent) (mg/L)	Chromium Total (dissolved) (mg/L)	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standard mg/L		0.1	0.05	0.05	1	0.2
<i>Shallow Monitor Wells</i>						
MW001	5/11/11	<0.0100	<0.0100	<0.0500	<0.100	<0.0500
	5/24/2012	<0.00756	<0.00500	<0.00355	<0.0188	1.31
	5/21/2013	<0.00756	<0.00500	<0.00355	<0.0188	2.60
	5/6/2014	<0.00550	0.112	0.113	<0.0283	0.260
MW002	5/16/2011	0.0138 J	0.0589	0.0627	<0.100	<0.0500
	5/24/2012	<0.00756	0.0720	0.0567	<0.0188	<0.00291
	5/21/2013	0.0120 J	0.0475	0.0452	<0.0643 J	0.00403 J
	5/22/2014	0.00951 J	0.0364	0.0382	<0.0283	<0.00316
MW003	5/7/2014	0.0109 J	0.0153	0.0181	<0.0283	<0.00316
MW004 DUP	5/16/2011	<0.0100	0.268	0.244	<0.100	<0.0500
	5/22/2012	<0.00756	0.286	0.277	<0.0188	<0.00291
	5/22/2012	<0.00756	0.285	0.274	<0.0188	0.0280
	5/15/2013	<0.00756	0.0998	0.123	<0.0188	0.0134 J
	5/21/2014	<0.00550	0.277	0.277	<0.0283	<0.00316
MW005	5/17/2011	<0.0100	0.0143	<0.0500	0.211	0.123
	5/24/2012	0.0229	0.0118	<0.00355	<0.0188	0.0444
	5/22/2013	<0.00756	<0.0500	<0.00355	0.692	0.0547
MW006	5/17/2011	<0.0100	0.0297	<0.0500	0.310 J	<0.0500
MW007	5/22/12	<0.00756	0.0334	0.032	<0.0188	<0.00291
	5/16/2013	0.0255	0.0187	0.0210	<0.0188	<0.00291
	5/9/2014	0.0122 J	0.0205	0.0202	<0.0283	<0.00316
MW008 DUP	5/11/2011	<0.0100	<0.0100 J	<0.0500	1.22	1.11
	5/11/2011	0.0105	<0.0100 J	<0.0500	1.03	1.11
	5/25/2012	<0.00756	<0.00500	<0.00355	0.263	1.22
	5/16/2013	<0.00756	<0.00500	<0.00355	0.0712 J	0.871
	5/7/2014	<0.00550	<0.0250	<0.00225 J	<0.0283	2.15
MW008M Dup.	5/11/2011	0.0213	<0.0100 J	<0.0500	1.16	0.565
	5/25/2012	<0.00756	0.0389	0.0299	17.4	2.20
	5/20/2013	<0.00756	<0.0500	0.00812 J	14.6	3.01
	5/6/2014	<0.00550	<0.0250	<0.000811	69.5	3.33
	5/6/2014	<0.00550	<0.0250	<0.000811	82.5	3.30
MW009	5/11/2011	<0.0100	<0.0100 J	<0.0500	<0.100	<0.0500
	5/22/2012	<0.00756	0.0143	0.0249	<0.0188	<0.00291
	5/15/2013	<0.00756	0.0136	0.0196	<0.0188	<0.00291
	5/6/2014	<0.00550	0.0141	0.0310	<0.0283	<0.00316
MW010 Dup.	5/11/2011	0.0149	<0.0100 J	<0.0500	<0.100	<0.0500
	11/7/2011	<0.0100	0.0415	0.0409	<0.200	<0.0200
	5/21/2012	<0.00756	0.0592	0.0594	<0.0188	<0.00291
	10/26/2012	<0.00756*	0.0480	0.0524*	<0.0188*	<0.00291*
	5/17/2013	0.0107 J	0.0220	0.0235	<0.0188	<0.00291
	11/4/2013	<0.00756	0.0193	0.0258	<0.0188	0.0554
	5/7/2014	0.00572 J	0.0336	0.0340	0.0656 J	<0.00850 J
	11/5/2014	0.0166 J	0.0114	0.0168	0.246	<0.00316
	11/5/2014	0.00674 J	0.00870 J	0.0154	<0.0283	<0.00316
MW011	5/16/2011	<0.0100	<0.0100	<0.0500	0.957	0.778
	5/22/2012	<0.00756	0.0398	<0.00355	5.23	2.87
	5/20/2013	0.0108 J	<0.0500	0.0143	0.598	1.90
	5/8/2014	0.00881 J	<0.0250	0.00830 J	2.59	4.30

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA - SELECT INORGANIC METALS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Arsenic (dissolved) (mg/L)	Chromium VI (hexavalent) (mg/L)	Chromium Total (dissolved) (mg/L)	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standard mg/L		0.1	0.05	0.05	1	0.2
MW011M DUP	5/11/2011	<0.0100	<0.0100 J	<0.0500	<0.100	<0.0500
	5/11/11	<0.0100	<0.0100 J	<0.0500	0.105	<0.0500
	5/22/2012	<0.00756 J	0.0188 J	0.0390	0.352	<0.00291
	5/20/2013	<0.00756	<0.0500	0.0189	0.173 J	0.00474 J
	5/6/2014	<0.00550	<0.0250	0.0216	0.267	<0.00316
MW012	5/13/2011	<0.0100	<0.0100	<0.0500	1.24	9.27
	5/22/2012	<0.00756	0.0466	<0.00355	17.4	2.33
	5/21/2013	<0.0517	<0.0500	<0.0690	<0.0536 J	5.81
	5/28/2014	<0.00550	<0.00500	<0.000811	<0.0283	1.73
MW012M	5/13/2011	0.069	<0.0100	<0.0500	6.51	0.058
	5/22/2012	0.0784	0.284	0.0456	8.52	0.0954
	5/21/2013	0.0870	<0.0500	0.0444	10.1	0.142
	5/28/2014	0.0880	<0.0500	0.0429	9.14	0.119
MW013 DUP DUP	5/12/2011	<0.0100	1	0.808	<0.100	<0.0500
	11/8/2011	<0.0100	0.39	0.404	<0.200	<0.0200
	5/17/2012	<0.00756 J	0.188	0.229	<0.0188	<0.00291
	5/17/2012	<0.00756 J	0.219	0.232	<0.0188	<0.00291
	11/1/2012	<0.00756*	0.191	0.217*	<0.0188*	<0.002910*
	11/1/2012	<0.00756*	0.227	0.181*	<0.0188*	<0.002910*
	5/17/2013	0.00930 J	0.274	0.275	<0.0188	<0.00291
	11/4/2013	<0.00756	1.78	1.76	<0.0188	<0.00291
	5/7/2014	<0.00550	0.918	0.991	<0.0283	<0.00316
	11/7/2014	<0.00550	0.192	0.224	<0.0283	0.00926 J
MW014	5/11/2011	0.021	<0.0100 J	<0.0500	<0.100	0.308
	11/7/2011	<0.0100	0.024	0.0352	<0.200	<0.0200
	5/18/2012	<0.00756	<0.00500	<0.00355	<0.0188	0.287
	10/29/2012	<0.00756*	0.0275	0.0395*	<0.0188*	0.186*
	5/16/2013	0.0247	0.0172	0.0245	<0.0188	0.128
	11/5/2013	0.0209	0.0480	0.0705	<0.0188	0.172
	5/7/2014	0.0231	<0.0250	0.0659	0.0405 J	0.151
	11/5/2014	0.0183 J	<0.00500	0.00926 J	<0.0283	0.120
MW015	5/11/2011	0.015	<0.0100 J	<0.0500	<0.100	<0.0500
	11/7/2011	<0.0100	<0.0100	0.0208	<0.200	<0.0200
	5/17/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	<0.00291
	10/29/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.00291*
	5/16/2013	0.0173 J	<0.00500	<0.00355	<0.0188	<0.00291
	11/5/2013	0.0120 J	<0.00500	0.00624 J	<0.0188	<0.00291
	5/6/2014	<0.00550	<0.00500	<0.000811	<0.0283	<0.00316
	11/4/2014	0.00581 J	<0.00500	0.00458 J	<0.0283 J	<0.00316
MW018	5/11/2011	0.0112	<0.0100 J	<0.0500	<0.100	<0.0500
	11/8/2011	<0.0100	<0.0100	0.0188	<0.200	<0.0200
	5/21/2012	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	10/26/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.00291*
	5/13/2013	0.0127 J	<0.00500	<0.00355	<0.0188	<0.00291
	11/5/2013	<0.00756	<0.00500	0.00495 J	<0.0188	<0.00291
	5/9/2014	0.0150 J	<0.00500	<0.000811	<0.0283	<0.00316
	11/4/2014	<0.00550	<0.00500	<0.000811	<0.0283 J	<0.00316
MW020	5/11/2011	<0.0100	<0.0100 J	<0.0500	<0.100	<0.0500
	11/8/2011	<0.0100	<0.0100	<0.0100	<0.200	<0.0200
	5/17/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	<0.00291
	10/26/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.00291*
	5/13/2013	0.0192 J	<0.00500	<0.00355	<0.0188	<0.00291
	5/6/2014	<0.00550	<0.00500	<0.000811	<0.0283	<0.00316
	11/4/2014	<0.00550	<0.00500	0.00291 J	<0.0283 J	<0.00316

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA - SELECT INORGANIC METALS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Arsenic (dissolved) (mg/L)	Chromium VI (hexavalent) (mg/L)	Chromium Total (dissolved) (mg/L)	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standard mg/L		0.1	0.05	0.05	1	0.2
MW021	5/12/2011	0.0106	<0.0100 J	<0.0500	<0.100	0.754
	11/8/2011	<0.0100	<0.0100	<0.0100	<0.200	0.621
	5/23/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	1.13
	11/1/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	1.52*
	3/31/2014				P&A	
MW023	5/16/2011	<0.0100	1.02	0.978	<0.100	<0.0500
	11/8/2011	<0.0100	0.858	0.821	<0.200	<0.0200
	5/24/2012	<0.00756	1.96	1.86	<0.0188	<0.00291
	11/6/2012	<0.00756*	1.33	1.41*	<0.0188*	<0.002910*
	5/21/2013	<0.00756	0.958	1.11	<0.0517 J	<0.00291
	10/31/2013	0.0198 J	1.42 J	1.37	<0.0188	0.0266
	5/8/2014	0.0165 J	1.55	1.60	<0.0283	<0.00316
	11/7/2014	0.0223	0.968	1.14	<0.324	0.0291
MW024	5/12/2011	0.0129	0.038	<0.0500	<0.100	<0.0500
	11/9/2011	<0.0100	0.0451	0.0443	<0.200	<0.0200
	5/22/2012	<0.00756	0.0480	0.0479	<0.0188	0.108
	11/1/2012	<0.00756*	0.0508	0.0509*	<0.0188*	0.0343*
	5/14/2013	<0.00756	0.0517	0.0633	<0.0188	0.00329 J
	10/30/2013	0.0133 J	0.0658	0.0699	<0.0188	0.0255
	5/8/2014	0.00859 J	0.0842	0.0843	<0.0283	0.00454 J
	11/6/2014	0.00744 J	0.105	0.123	<0.0283 J	0.0132 J
MW025	5/11/2011	<0.0100	<0.0100 J	<0.0500	<0.100	<0.0500
	11/7/2011	<0.0100	<0.0100	<0.0100	<0.200	<0.0200
	5/22/2012	<0.00756	<0.00500	0.0117	<0.0188	0.0270
	10/29/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.00291*
	5/16/2013	0.0105 J	<0.00500	0.00547 J	<0.0188	<0.00291
MW026	5/12/2011	0.018	<0.0100 J	<0.0500	<0.100	<0.0500
	11/8/2011	<0.0100	<0.0100	0.0113	<0.200	<0.0200
	11/8/2011	<0.0100	<0.0100	0.0193	<0.200	<0.0200
	5/17/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	<0.00291
	10/29/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.00291*
	5/20/2013	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	11/5/2013	0.00883 J	<0.00500	0.00598 J	<0.0188	<0.00291
	11/5/2013	<0.00756	<0.00500	0.00502 J	<0.0188	<0.00291
	5/9/2014	<0.00550	<0.00500	0.00189 J	<0.0283	<0.00316
	11/5/2014	0.0149 J	0.00770 J	0.0120	<0.0283	<0.00316
MW027	5/12/2011	<0.0100	<0.0100 J	<0.0500	<0.100	<0.0500
	11/7/2011	<0.0100	<0.0100	<0.0100	<0.200	<0.0200
	5/17/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	<0.00291
	10/30/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	0.0234*
	5/20/2013	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	11/5/2013	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	5/9/2014	0.00761 J	<0.00500	<0.000811	<0.0283	0.00682 J
MW029	11/5/2014	<0.00550	0.00620 J	0.0100 J	<0.0283	<0.00316
	5/11/2011	0.0166	<0.0100 J	<0.0500	<0.100	<0.0500
	11/8/2011	<0.0100	<0.0100	<0.0100	<0.200	<0.0200
	11/8/2011	<0.0100	<0.0100	<0.0100	<0.200	<0.0200
	5/24/2012	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	11/1/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.002910*
	5/14/2013	0.0189 J	<0.00500	0.0148	<0.0188	<0.00291

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA - SELECT INORGANIC METALS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Arsenic (dissolved) (mg/L)	Chromium VI (hexavalent) (mg/L)	Chromium Total (dissolved) (mg/L)	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standard mg/L		0.1	0.05	0.05	1	0.2
MW030	5/12/2011	0.0161	<0.0100 J	<0.0500	<0.100	<0.0500
	11/8/2011	<0.0100	<0.0100	<0.0100	<0.200	<0.0200
	5/24/2012	0.0152	<0.00500	<0.00355	<0.0188	<0.00291
	11/1/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.002910*
	5/14/2013	0.0209	<0.00500	0.00363 J	<0.0188	<0.00291
	10/31/2013	0.0146 J	<0.00500	0.00414 J	<0.0188	0.0793
	5/12/2014	0.0278	<0.00500	<0.000811	<0.0283	0.00418 J
	11/6/2014	0.0105 J	<0.00500	0.00148 J	<0.0283 J	0.00360 J
MW030P	5/9/2014	0.0416	<0.0250	<0.000811	4.76	2.39
MW031	5/12/2011	0.0197	<0.0100 J	<0.0500	<0.100	0.405
	11/8/2011	<0.0100	<0.0100	<0.0100	<0.200	0.485
	5/24/2012	0.0227	<0.00500	<0.00355	<0.0188	0.499
	10/31/2012	<0.00756*	<0.00500	<0.00355*	0.692*	0.588*
	5/14/2013	0.0122 J	<0.00500	<0.00355	<0.0188	0.438
	10/31/2013	0.0124 J	<0.00500	<0.00355	<0.0188	0.222
	5/12/2014	0.0145 J	<0.00500	<0.000811	<0.0283	0.166
	11/6/2014	<0.00550	<0.00500	0.00296 J	<0.0283 J	0.0254
MW032	5/12/2011	<0.0100	0.012	<0.0500	<0.100	<0.0500
	11/8/2011	<0.0100	<0.0100	<0.0100	<0.200	<0.0200
	5/24/2012	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	10/30/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.00291*
	5/20/2013	<0.00756	<0.00500	0.00705 J	<0.0188	<0.00291
	11/6/2013	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	5/12/2014	0.00904 J	0.00930 J	<0.00796 J	<0.0283	<0.00316
	11/5/2014	<0.00550	<0.00500	0.00150 J	<0.0283	0.00963 J
MW033	5/12/2011	<0.0100	0.0483	<0.0500	<0.100	1.06
	11/7/2011	<0.0100	0.0466	<0.0100	<0.200	<0.0200
	5/17/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	0.576
	11/6/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	0.777*
	5/20/2013	<0.00756	0.0165	<0.00355	<0.0188	0.683
	10/28/2013				P&A	
MW034	5/12/2011	<0.0100	0.08	0.0737	<0.100	<0.0500
	5/8/2012	<0.00756	0.0879	0.0920	<0.0188	<0.00291
	5/16/2014	0.0174 J	0.0881	0.111	<0.0283	<0.00316
MW035 DUP	5/11/2011	<0.0100	<0.0100 J	<0.0500	<0.100	<0.0500
	5/25/2012	<0.00756	<0.00500	<0.00355	<0.0188	0.109
	5/22/2013	<0.00756	<0.00500	<0.00355	<0.0188	0.0538
	5/22/2013	<0.00756	<0.00500	<0.00355	<0.0188	0.0549
	10/28/2013				P&A	
MW036	5/16/2011	0.0129 J	<0.0100	<0.0500	0.71	0.396
	5/25/2012	0.0408	<0.00500	<0.00355	1.20	0.329
	5/22/2013	0.00792 J	<0.0500	<0.00355	<0.0188	0.454
	5/27/2014	0.0226	<0.0250	0.000905 J	1.91	0.363
MW038 DUP	5/11/2011	<0.0100	<0.0100 J	<0.0500	<0.100	0.179
	5/24/2012	<0.00756	<0.00500	<0.00355	0.700	0.233
	5/23/2013	0.00898 J	<0.00500	<0.00355	5.25	0.171
	11/6/2013	0.00895 J	0.0243	0.0205	<0.0188	0.114
	11/6/2013	<0.00756	0.0272	0.0176	<0.0188	0.131
	5/6/2014	<0.00550	<0.0250	<0.000811	<0.0283	0.223

TABLE 3
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SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Arsenic (dissolved) (mg/L)	Chromium VI (hexavalent) (mg/L)	Chromium Total (dissolved) (mg/L)	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standard mg/L		0.1	0.05	0.05	1	0.2
MW043	5/12/2011	<0.0100	<0.0100 J	<0.0500	<0.100	0.472
	5/23/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	0.569
	5/13/2013	<0.00756	<0.00500	<0.00355	<0.0188	0.637
	5/13/2014	0.0146 J	<0.00500	<0.000811	<0.0283	0.955
MW044	5/12/2011	<0.0100	<0.0100 J	<0.0500	<0.100	<0.0500
	5/13/2013	0.00818 J	<0.00500	<0.00355	0.0456 J	0.0173 J
	5/20/2014	<0.00550	<0.00500	0.00323 J	<0.0283	0.235
MW045	5/16/2011	<0.0100	<0.0100	<0.0500	<0.100	0.183
	5/23/2012	<0.00756 J	<0.00500	0.0118	<0.0188	0.227
	5/22/2013	<0.00756	<0.00500	0.0115	<0.0188	0.248
	5/22/2014	0.00641 J	<0.0250	0.00701 J	0.146 J	0.289
MW046	5/16/2011	0.0253 J	<0.0100	<0.0500	0.144	0.77
	5/23/2012	0.0122 J	<0.00500	<0.00355	1.63	1.05
	5/21/2013	0.0234	<0.0500	<0.00355	<0.0690 J	0.741
	5/23/2014	0.0247	0.0100 J	0.00165 J	<0.0283	0.568
MW047	5/16/2011	<0.0100	0.149	0.136	<0.100	<0.0500
	5/23/2012	<0.00756 J	0.142	0.145	<0.0188	<0.00291
	5/20/2013	<0.00756	0.0433	0.0487	<0.0188	<0.00291
	5/27/2014	0.00563 J	0.0441	0.0518	<0.0283	<0.00316
MW058	5/13/2011	<0.0100	2.83	2.26	<0.100	<0.0500
	11/10/2011	<0.0100 J	0.0156	0.0177	<0.200	0.0332
	5/24/2012	<0.00756	0.0149	0.0175	<0.0188	<0.00291
	5/24/2012	<0.00756	0.0132	0.0164	<0.0188	<0.00291
	11/6/2012	<0.00756*	2.76	2.70*	<0.0188*	<0.002910*
	11/6/2012	<0.00756*	2.80	2.78*	0.287*	<0.002910*
	5/14/2013	0.0111 J	2.52	2.58	0.0612 J	<0.00291
	10/31/2013	0.0210	2.78 J	2.70	<0.0188	0.0151 J
	5/13/2014	0.0118 J	0.00820 J	<0.00788 J	<0.0283	<0.00316
	11/6/2014	0.0182 J	0.00690 J	0.00907 J	<0.0283 J	<0.00316
Dup.	11/6/2014	0.0171 J	0.00570 J	0.00873 J	<0.0283 J	<0.00316
MW059	5/16/2011	0.0107 J	<0.0100	<0.0500	<0.100	<0.0500
	11/8/2011	<0.0100	<0.0100	<0.0100	<0.200	0.0226
	5/24/2012	<0.00756	0.0451	0.0465	<0.0188	<0.00291
	11/2/2012	<0.00756*	0.495	0.493*	<0.0188*	<0.002910*
	5/21/2013	0.0153 J	0.104	0.107	<0.0188	<0.00291
	10/31/2013	0.0178 J	0.106 J	0.105	<0.0188	0.0522
	5/13/2014	0.0131 J	0.00810 J	<0.00609 J	<0.0283	<0.00316
	11/10/2014	0.0231	0.00600 J	0.00574 J	<0.0283	<0.00316
MW060	5/16/2011	0.0115 J	<0.0100	<0.0500	0.462	1.76
	11/7/2011	<0.0100	<0.0100	<0.0100	<0.200	<0.0200
	5/24/2012	<0.00756	<0.00500	<0.00355	0.717	0.905
	10/31/2012	<0.00756*	<0.00500	<0.00355*	3.02*	1.27*
	5/15/2013	0.00865 J	<0.00500	<0.00355	0.275	2.10
	10/31/2013	0.0110 J	<0.00500	<0.00355	1.07	1.07
	5/12/2014	0.0184 J	<0.00500	<0.000811	0.802	0.935
	11/6/2014	0.0181 J	<0.00500	0.00379 J	<0.0283 J	5.20

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA - SELECT INORGANIC METALS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Arsenic (dissolved) (mg/L)	Chromium VI (hexavalent) (mg/L)	Chromium Total (dissolved) (mg/L)	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standard mg/L		0.1	0.05	0.05	1	0.2
MW061	5/13/2011	<0.0100	0.285	0.236	<0.100	0.0919
	11/8/2011	<0.0100	0.26	0.263	<0.200	0.0942
	5/25/2012	<0.00756	0.251	0.243	<0.0188	0.0729
	11/2/2012	<0.00756*	5.01	4.79*	<0.0188*	<0.002910*
	5/15/2013	0.0232	3.82	3.84	<0.0188	0.00544 J
	11/1/2013	0.00902 J	0.367	0.423	<0.0188	0.234
	5/13/2014	0.00808 J	0.111	0.110	<0.0283	0.0652
	Dup. 5/13/2014	0.0114 J	0.111	0.104	<0.0283	0.0609
	11/7/2014	<0.00550	0.137	0.171	<0.0283	0.0712
MW068 DUP	5/13/2011	<0.0100	<0.0100	<0.0500	<0.100	<0.0500
	5/13/11	<0.0100	<0.0100	<0.0500	<0.100	<0.0500
	11/7/2011	<0.0100	<0.0100	<0.0100	<0.200	<0.0200
	5/25/2012	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	10/31/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.002910*
	5/15/2013	0.0113 J	<0.00500	<0.00355	<0.0188	<0.00291
	11/6/2013	0.0166 J	<0.00500	<0.00355	<0.0188	<0.00291
	5/12/2014	0.0171 J	<0.00500	<0.000811	<0.0283	<0.00316
	11/5/2014	0.00864 J	<0.00500	<0.000811	<0.0283	0.243
MW069	5/16/2011	<0.0100	<0.0100	<0.0500	<0.100	0.4
	5/24/2012	<0.00756	<0.00500	<0.00355	<0.0188	0.564
	5/14/2013	<0.00756	<0.00500	<0.00355	<0.0188	0.539
	5/13/2014	0.0132 J	<0.00218	<0.000811	<0.0283	0.576
MW070 DUP	5/13/2011	0.0164	<0.0100	<0.0500	<0.100	<0.0500
	11/9/2011	<0.0100 J	<0.0100	<0.0100	<0.200	<0.0200
	5/23/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	<0.00291
	11/6/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.002910*
	5/14/2013	0.0208	<0.00500	<0.00355	<0.0188	<0.00291
	10/30/2013	0.0183 J	<0.00500	<0.00355	<0.0188	0.0445
	10/30/2013	0.0130 J	<0.00500	<0.00355	<0.0188	0.0778
	5/8/2014	0.0183 J	<0.00500	<0.000811	<0.0283	<0.00316
	11/10/2014	0.0143 J	<0.00500	<0.000811	<0.0283	0.00449 J
MW088M	5/11/2011	0.105	0.61	0.0808	7.38	11.5
	5/22/2012	0.158	0.117	0.122	14.1	15.6
	5/21/2013	0.0825	<0.100	0.143	32.3	13.2
	5/9/2014	0.0354	<0.0250	0.126	9.15	9.81
MW094 DUP	11/17/2011	<0.0100	0.0424	0.0344	<0.200	<0.0200
	5/25/2012	<0.00756	<0.00500	0.0585	<0.0188	<0.00291
	10/31/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.002910*
	5/15/2013	0.00923 J	0.385	0.402	<0.0188	0.0143 J
	5/15/2013	<0.00756	0.395	0.399	<0.0188	0.0125 J
	11/1/2013	0.00855 J	0.127	0.138	<0.0188	0.0211
	5/9/2014	0.0141 J	<0.00500	<0.000811	<0.0283	<0.00316
	11/5/2014	0.0219	<0.00500	0.00213 J	<0.0283	<0.00316

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA - SELECT INORGANIC METALS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Arsenic (dissolved) (mg/L)	Chromium VI (hexavalent) (mg/L)	Chromium Total (dissolved) (mg/L)	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standard mg/L		0.1	0.05	0.05	1	0.2
MW095 DUP	11/17/2011	<0.0100	3.71	3.59	<0.200	0.0892
	5/25/2012	<0.00756	4.68	4.46	<0.0188	0.0881
	5/25/2012	<0.00756	4.87	4.58	<0.0188	0.0802
	10/31/2012	<0.00756*	4.98	5.18*	<0.0188*	<0.002910*
	5/15/2013	0.0130 J	4.83	4.81	<0.0188	0.0761
	11/6/2013	0.0187 J	4.31	4.28	<0.0188	0.0902
	5/9/2014	0.0266	3.76	3.83	<0.0283	0.109
	11/6/2014	0.0513	3.67	3.92	<0.0283 J	0.0905
MW096P	5/7/2014	0.0126 J	<0.00500	<0.000811	<0.0283	0.104
MW097P	5/7/2014	0.0111 J	0.0284	<0.00938 J	<0.0283	0.452
IW001	5/17/2011	0.0438	0.398	<0.0500	11.6 J	1.71
	5/25/2012	<0.0378	0.268	<0.0177	3.54	1.92
	5/21/2013	0.0582	<0.100	0.0241	3.59	1.78
	5/8/2014	0.0567	<0.0250	0.00854 J	3.28	1.89
IW002	5/17/2011	<0.0100	0.474	<0.0500	7.57	0.803
	11/9/2011	0.0166 J	<0.0100	<0.0100	3.54	0.152
	5/25/2012	<0.0378	0.462	<0.0177	5.21	0.818
	5/22/2013	<0.0378	<0.100	<0.0177	4.97	0.863
	5/28/2014	0.0105 J	<0.0250	0.00643 J	3.29	0.737
RW002	5/17/2011	0.0344	<0.0100	<0.0500	14.1 J	1.31
	5/22/2012	<0.00756	0.0448	0.0126	16.3	0.898
	5/20/2013	<0.00756	<0.0500	0.0145	5.78	0.854
	3/31/2014				P&A	
RW003	5/17/2011	<0.0100	<0.0100	<0.0500	35.4	0.797
	5/21/2012	<0.00756	<0.00500	<0.00355	19.0	0.931
	5/22/2013	0.0362	<0.00500	0.0190	4.97	1.02
	5/28/2014	0.00909 J	<0.0250	<0.000811	0.154 J	0.622

Notes:

Dissolved Metals (Arsenic, Chromium, Hexavalent Chromium, Iron, Manganese).

were analyzed by EPA Method 6010B/7196A.

New Mexico Water Quality Control Commission (NMWQCC) Standards 20.6.2.3103.A

mg/L (ppm) - milligrams per liter (parts per million).

Bold indicates that a COC was detected.

Shading indicates that a detected result exceeded the NMWQCC Standard.

<#.####-Not detected at or above MDL for 2012 and RL for 2011.

* - result measured as total, not dissolved

NG - Not Gauged

P&A - Plugged and Abandoned

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL DATA - SELECT INORGANIC METALS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Arsenic (dissolved) (mg/L)	Chromium VI (hexavalent) (mg/L)	Chromium Total (dissolved) (mg/L)	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standard mg/L		0.1	0.05	0.05	1	0.2
<i>Deep Monitor Wells</i>						
MW002A	5/25/2011	0.0141 J	0.0253	<0.0500	<0.100	<0.0500
	5/24/2012	<0.00756	0.0254	0.0298	<0.0188	<0.00291
	5/21/2013	0.00953 J	0.0168	0.0205	<0.0188	<0.00291
	5/22/2014	0.0108 J	0.0161	0.0207	<0.0283	<0.00779 J
MW004A	5/24/2011	0.0153	0.145	0.126	<0.100	<0.0500
	5/22/2012	<0.00756	0.401	0.385	<0.0188	<0.00291
	5/15/2013	0.0124 J	<0.00500	0.00738 J	<0.0188	<0.00291
	5/21/2014	0.0131 J	0.431	0.403	<0.0283	<0.00316
MW007A	5/24/2011	0.0211 J	0.315	0.299	<0.100	<0.0500
	5/22/2012	<0.00756	0.290	0.288	<0.0188	<0.00291
	5/16/2013	0.0231	0.265	0.275	<0.0188	0.00660 J
	5/7/2014	0.0113 J	0.261	0.279	<0.0283	<0.0139 J
MW008A	5/26/2011	0.0937 J	<0.100	0.0938	71.1	0.908
	5/25/2012	0.105	0.633	0.0721	4.42	0.458
	5/16/2013	0.0802	0.0141	0.0863	4.62	0.156
	5/8/2014	0.0686	<0.0250	0.0851	2.53	0.0321 J
MW009A DUP	5/25/2011	0.0116 J	0.028	0.0665	<0.100	<0.0500
	5/25/2011	0.0156 J	0.0187	<0.0500	<0.100	<0.0500
	5/22/2012	<0.00756	0.630	0.630	<0.0188	0.0230
	5/15/2013	0.00949 J	0.638	0.633	<0.0188	<0.00291
	5/27/2014	0.0102 J	0.176	0.204	<0.0283	0.312
MW011A DUP	5/25/2011	<0.0100	3.27	3.22	<0.100 J	<0.0500
	5/25/2011	<0.0100	3.1	3.2	0.357 J	0.055
	5/22/2012	<0.00756 J	1.72 J	1.82	<0.0188	0.0498
	5/20/2013	<0.00756	1.94	2.27	<0.0506 J	0.0424
	5/8/2014	0.00886 J	<0.0250	0.114	<0.0283	2.93
MW012A	5/25/2011	0.0250 J	<0.0100	<0.0500	0.262	<0.0500
	5/22/2012	<0.00756	<0.00500	<0.00355	<0.0188	0.0674
	5/21/2013	0.0117 J	<0.00500	<0.00355	<0.0188	0.00514 J
	5/28/2014	0.0193 J	<0.00500	<0.000811	<0.0283	<0.00316
MW013A DUP DUP	5/19/2011	0.0105	0.0105	<0.0500	<0.100 J	<0.0500
	11/9/2011	<0.0100	<0.0100	<0.0100	<0.200	<0.0200
	5/17/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	<0.00291
	10/29/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.00291*
	5/17/2013	0.0303	<0.00500	<0.00355	<0.0188	<0.00291
	11/4/2013	0.0199 J	<0.00500	<0.00355	<0.0188	<0.00291
	11/4/2013	0.0201	<0.00500	<0.00355	<0.0188	<0.00291
	5/7/2014	0.0247	0.0220 J	<0.00218 J	<0.0283	<0.00316
	5/7/2014	0.0210	<0.00500	<0.00239 J	<0.0283	<0.00585 J
	11/7/2014	0.0289	<0.00500	0.00295 J	<0.0283	<0.00316

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL DATA - SELECT INORGANIC METALS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Arsenic (dissolved) (mg/L)	Chromium VI (hexavalent) (mg/L)	Chromium Total (dissolved) (mg/L)	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standard mg/L		0.1	0.05	0.05	1	0.2
MW014A	5/18/2011	<0.0100	<0.0100	<0.0500	<0.100 J	<0.0500
	11/9/2011	<0.0100	<0.0100	<0.0100	<0.200	<0.0200
	5/18/2012	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	10/29/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.00291*
	5/16/2013	0.0198 J	<0.00500	<0.00355	<0.0188	<0.00291
	11/5/2013	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	5/7/2014	0.0254	<0.00500	<0.00196 J	<0.0283	<0.0121 J
	11/5/2014	<0.00550	<0.00500	<0.000811	0.101 J	<0.00316
MW015A DUP	5/18/2011	<0.0100	<0.100	<0.0500	<0.100 J	<0.0500
	11/9/2011	<0.0100	<0.0100	<0.0100	<0.200	<0.0200
	5/17/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	<0.00291
	10/29/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.00291*
	5/16/2013	0.00913 J	<0.00500	0.00502 J	<0.0188	0.00770 J
	11/5/2013	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	11/5/2013	0.0113 J	<0.00500	0.00470 J	0.0203 J	<0.00291
	5/6/2014	<0.00550	<0.00500	0.0113	<0.0283	<0.00316
	11/10/2014	0.00704 J	<0.00500	0.0109	<0.0283	0.0143 J
MW016A	5/17/2011	<0.0100	<0.0100	<0.0500	0.437	<0.0500
	11/9/2011	<0.0100 J	<0.0100	<0.0100	<0.200	<0.0200
	5/17/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	<0.00291
	10/26/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.00291*
	5/16/2013	0.0153 J	<0.00500	<0.00355	<0.0188	0.00528 J
	11/5/2013	0.00924 J	<0.00500	0.00397 J	<0.0188	<0.00291
	5/6/2014	<0.00550	<0.00500	<0.000811	<0.0283	<0.00316
	11/13/2014	<0.00550	<0.00500	0.000983 J	<0.0283	<0.00316
MW017A	5/6/11	Plugged and Abandoned				
MW018A	5/24/2011	<0.0100	<0.0100	<0.0500	<0.100	<0.0500
	11/9/2011	<0.0100	<0.0100	<0.0100	<0.200	<0.0200
	5/21/2012	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	10/26/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.00291*
	5/13/2013	<0.00756	<0.00500	<0.00355	<0.0188	0.0218
	4/1/2014				P&A	
MW019A	5/17/2011	0.0101	<0.0100	<0.0500	<0.100 J	<0.0500
	11/9/2011	<0.0100	<0.0100 J	<0.0100	<0.200	<0.0200
	5/21/2012	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	10/26/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.00291*
	5/13/2013	0.0137 J	<0.00500	<0.00355	<0.0188	<0.00291
	11/5/2013	0.0156 J	<0.00500	<0.00355	<0.0188	<0.00291
	5/6/2014	<0.00550	<0.00500	<0.000811	<0.0283	<0.00316
	11/4/2014	<0.00550	<0.00500	0.000878 J	<0.0283 J	<0.00316

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL DATA - SELECT INORGANIC METALS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Arsenic (dissolved) (mg/L)	Chromium VI (hexavalent) (mg/L)	Chromium Total (dissolved) (mg/L)	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standard mg/L		0.1	0.05	0.05	1	0.2
MW020A	5/16/2011	0.0406 J	<0.0100	<0.0500	<0.100	<0.0500
	11/9/2011	<0.0100	<0.0100 J	0.0129	<0.200	<0.0200
	5/17/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	<0.00291
	10/26/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.00291*
	5/13/2013	0.0109 J	<0.00500	0.00787 J	0.0337 J	<0.00291
	11/4/2013	<0.00756	<0.00500	0.00735 J	<0.0188	<0.00291
	5/6/2014	<0.00550	<0.00500	<0.000811	<0.0283	<0.00316
	11/4/2014	<0.00550	0.00960 J	0.0173	<0.0283 J	0.0150 J
MW021A DUP	5/23/2011	0.0226	<0.0100	<0.0500	<0.100	<0.0500
	11/17/2011	<0.0100	<0.0100	<0.0100	<0.200	<0.0200
	11/17/2011	<0.0100	<0.0100	<0.0100	<0.200	<0.0200
	5/17/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	<0.00291
	11/8/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	0.705*
	11/1/2013	0.0107 J	<0.00500	0.00442 J	<0.0188	<0.00291
	5/16/2014	0.0195 J	<0.00500	0.0115	<0.0283	0.0122 J
	11/13/2014	0.0139 J	<0.00500	0.00655 J	<0.0283	<0.00316
MW022A DUP	5/25/2011	0.0111 J	0.0351	<0.0500	<0.100	<0.0500
	5/25/2011	0.0109 J	0.0342	<0.0500	<0.100	<0.0500
	11/17/2011	<0.0100	0.0598	0.0563	<0.200	<0.0200
	5/23/2012	<0.00756 J	0.0356	0.0408	<0.0188	<0.00291
	11/9/2012	<0.00756*	0.0580	0.0730*	<0.0188*	<0.002910*
	5/21/2013	<0.00756	0.0348	0.0389	<0.0188	<0.00291
	6/1/2013				P&A	
MW023A DUP	5/18/2011	0.014	<0.0100	<0.0500	<0.100 J	<0.0500
	11/10/2011	<0.0100	<0.0100 J	<0.0100	<0.200	<0.0200
	5/24/2012	<0.00756	<0.00500	0.0206	<0.0188	<0.00291
	10/30/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.00291*
	5/20/2013	0.0189 J	<0.00500	<0.00355	<0.0188	<0.00291
	5/20/2013	0.0188 J	<0.00500	<0.00355	<0.0188	<0.00291
	10/31/2013	0.0169 J	<0.00500	0.00591 J	<0.0188	0.00877 J
	5/8/2014	0.0175 J	<0.00500	0.00352 J	<0.0283	0.00892 J
MW024A DUP	11/7/2014	0.00758 J	<0.00500	0.00472 J	<0.0283	<0.00316
	5/18/2011	<0.0100	0.0481	<0.0500	<0.100 J	<0.0500
	11/10/2011	<0.0100 J	0.21	0.185	<0.200	<0.0200
	5/18/2012	<0.00756	0.186	0.183	<0.0188	<0.00291
	10/30/2012	<0.00756*	0.196	0.192*	<0.0188*	<0.00291*
	5/13/2013	0.0144 J	0.127	0.147	<0.0188	<0.00291
	10/30/2013	0.0275	0.0598	0.0616	<0.0188	<0.00291
	5/8/2014	0.0135 J	0.337	0.362	<0.0283	<0.00316
MW039A DUP	5/8/2014	0.0137 J	0.338	0.354	<0.0283	0.00381 J
	11/7/2014	<0.00550	0.0665	0.0816	<0.0283	0.00379 J
	5/26/2011	0.0220 J	0.093	0.0986	<0.100	<0.0500
	5/25/2012	<0.00756	0.0974	0.102	<0.0188	<0.00291
	5/25/2012	<0.00756	0.0984	0.103	<0.0188	<0.00291
	5/21/2013	0.0133 J	0.0989	0.101	<0.0188	<0.00291
	5/27/2014	0.0187 J	0.0948	0.102	<0.0283	<0.00316

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL DATA - SELECT INORGANIC METALS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Arsenic (dissolved) (mg/L)	Chromium VI (hexavalent) (mg/L)	Chromium Total (dissolved) (mg/L)	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standard mg/L		0.1	0.05	0.05	1	0.2
MW040A	5/19/2011	<0.0100	<0.0100	<0.0500	<0.100 J	<0.0500
	11/9/2011	<0.0100 J	<0.0100	<0.0100	<0.200	<0.0200
	5/17/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	<0.00291
	10/29/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.00291*
	5/17/2013	0.0191 J	<0.00500	<0.00355	<0.0188	<0.00291
	11/4/2013	0.0183 J	<0.00500	<0.00355	<0.0188	<0.00291
	5/7/2014	0.0147 J	0.0104	<0.00162 J	<0.0283	<0.00796 J
	11/10/2014	0.0181 J	<0.00500	0.00225 J	<0.0283	<0.00316
MW041A	5/24/2011	0.0163 J	0.206	0.239	<0.100	<0.0500
	5/8/2012	<0.00756	0.212	0.257	<0.0188	<0.00291
	5/16/2014	0.0150 J	0.273	0.298	<0.0283	<0.00316
	5/16/2014	0.0136 J	0.271	0.293	<0.0283	0.0105 J
MW042A DUP	5/25/2011	0.0125 J	0.0343	<0.0500	<0.100	<0.0500
	5/25/2011	0.0114 J	0.0345	<0.0500	<0.100	<0.0500
	5/25/2012	<0.00756	0.0329	0.0357	<0.0188	<0.00291
	5/22/2013	<0.00756	0.0315	0.0360	<0.0188	<0.00291
	5/22/2014	<0.00550	0.0337	0.0348	<0.0283	<0.00316
MW046A DUP	5/25/2011	0.0113 J	0.0611	0.0597	<0.100	<0.0500
	5/25/2011	<0.0100	0.0606	0.062	<0.100	<0.0500
	5/23/2012	<0.00756 J	0.0571	0.0634	<0.0188	<0.00291
	5/22/2013	<0.00756	0.0573	<0.00355	<0.0188	<0.00291
	5/22/2014	0.00714 J	0.0585	0.0627	<0.0283	<0.00484 J
	5/22/2014	<0.00550	0.0580	0.0612	<0.0283	<0.00316
MW048SA DUP DUP	5/24/2011	0.0422 J	0.393	0.42	<0.100	<0.0500
	11/16/2011	<0.0100	0.381	0.374	<0.200	<0.0200
	5/16/2012	<0.00756	0.410	0.414	<0.0188	<0.00291
	11/8/2012	<0.00756*	0.449	0.455*	0.340*	<0.002910*
	11/8/2012	<0.00756*	0.451	0.440*	0.289*	0.0209 J*
	5/8/2013	<0.0115 J	0.464	0.458	<0.0188	<0.00291
	11/4/2013	0.0117 J	0.470	0.475	<0.0188	0.0322
	5/15/2014	<0.0179 J	0.492	0.464	<0.0283	<0.00579 J
	5/15/2014	<0.0180 J	0.494	0.475	<0.0283	<0.0101 J
	11/14/2014	0.0162 J	0.469	0.492	<0.0283	<0.00316
MW049SA	5/23/2011	0.014	0.12	0.109	<0.100	<0.0500
	5/17/2012	<0.00756 J	0.127	0.124	<0.0188	<0.00291
	5/8/2013	<0.0128 J	0.133	0.127	<0.0188	<0.00291
	5/15/2014	<0.0146 J	0.140	0.126	<0.0283	<0.00558 J
MW050SA	5/23/2011	0.0134	<0.0100	<0.0500	<0.100	<0.0500
	5/17/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	<0.00291
	5/8/2013	<0.0112 J	0.198	0.197	<0.0188	0.0153 J
	5/16/2014	0.0177 J	0.246	0.295	0.0295 J	0.0255
MW051SA DUP	5/23/2011	0.0115	0.808	0.704	<0.100	<0.0500
	5/16/2012	<0.00756	0.791	0.783	<0.0188	<0.00291
	5/16/2012	<0.00756	0.813	0.781	<0.0188	<0.00291
	5/8/2013	<0.0160 J	0.743	0.759	<0.0188	<0.00291
	5/8/2013	<0.0118 J	0.772	0.750	<0.0188	<0.00291
	5/15/2014	<0.0165 J	0.753	0.735	<0.0283	<0.00528 J

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL DATA - SELECT INORGANIC METALS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Arsenic (dissolved) (mg/L)	Chromium VI (hexavalent) (mg/L)	Chromium Total (dissolved) (mg/L)	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standard mg/L		0.1	0.05	0.05	1	0.2
MW052SA	5/23/2011	0.0179	0.279	0.264	<0.100	<0.0500
	5/16/2012	<0.00756	0.265	0.272	<0.0188	<0.00291
	5/8/2013	<0.0232	0.255	0.254	<0.0188	<0.00291
	5/15/2014	<0.0171 J	0.240	0.231	<0.0283	<0.00339 J
MW053SA	5/24/2011	0.0234 J	<0.0100	<0.0500	<0.100	<0.0500
	11/16/2011	<0.0100	<0.0100	<0.0100	<0.200	<0.0200
	5/16/2012	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	11/9/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.002910*
	5/8/2013	<0.0193 J	<0.00500	<0.00355	<0.0188	<0.00291
	11/4/2013	0.0127 J	<0.00500	<0.00355	<0.0188	<0.00291
	5/15/2014	<0.0179 J	<0.00500	<0.000811	<0.0283	<0.00316
	11/14/2014	0.0167 J	<0.00500	<0.000811	<0.0283	<0.00316
MW054SA	5/24/2011	0.0115	0.135	0.125	<0.100	<0.0500
	11/16/2011	<0.0100	0.148	0.153	<0.200	<0.0200
	5/16/2012	<0.00756	0.144	0.148	<0.0188	<0.00291
	11/7/2012	<0.00756*	0.148	0.153*	<0.0188*	<0.002910*
	11/7/2012	<0.00756*	0.149	0.154*	<0.0188*	<0.002910*
	5/8/2013	<0.0116 J	0.145	0.143	<0.0188	<0.00291
	11/4/2013	0.0107 J	0.142	0.143	<0.0188	<0.00291
	5/15/2014	<0.0157 J	0.148	0.148	<0.0283	<0.00357 J
DUP	11/14/2014	0.0199 J	0.141	0.149	<0.0283	<0.00316
	11/14/2014	0.0170 J	0.142	0.146	<0.0283	<0.00316
MW055SA	5/24/2011	0.0128	0.183	0.164	<0.100	<0.0500
	11/16/2011	<0.0100	0.215	0.339	<0.200	<0.0200
	5/16/2012	<0.00756	0.165	0.166	<0.0188	<0.00291
	5/16/2012	<0.00756	0.165	0.179	<0.0188	<0.00291
	11/7/2012	<0.00756*	0.161	0.165*	<0.0188*	<0.002910*
	11/7/2012	<0.00756*	0.161	0.166*	<0.0188*	<0.002910*
	5/7/2013	<0.00756	0.176	0.235	<0.0188	<0.00291
	10/31/2013	<0.00756	0.160 J	0.149	<0.0188	<0.00291
DUP	5/14/2014	0.0172 J	0.241	0.278	<0.0283	0.00419 J
	11/12/2014	0.0109 J	0.166	0.159	<0.0283	0.00502 J
MW056SA	5/17/2011	<0.0100	0.401	0.335	<0.100	<0.0500
	11/17/2011	<0.0100	0.345	0.202	<0.200	<0.0200
	5/16/2012	<0.00756	0.379	0.407	<0.0188	<0.00291
	5/16/2012	<0.00756	0.377	0.384	<0.0188	<0.00291
	11/8/2012	<0.00756*	0.420	0.416*	<0.0188*	<0.002910*
	5/8/2013	<0.0183 J	0.435	0.401	<0.0188	<0.00291
	11/4/2013	0.0154 J	0.290	0.412	<0.0188	<0.00291
	11/4/2013	0.0155 J	0.268	0.432	<0.0188	<0.00291
DUP	5/15/2014	<0.0186 J	0.392	0.370	<0.0283	<0.00316
	11/13/2014	0.0227	0.343	0.336	<0.0283	<0.00316
MW057SA	5/17/2011	0.0112 J	0.0287	<0.0500	<0.100	<0.0500
	11/10/2011	<0.0100 J	0.0158	0.0207	<0.200	<0.0200
	5/17/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	<0.00291
	10/31/2012	<0.00756*	0.0124	0.0129*	<0.0188*	<0.002910*
	5/8/2013	<0.0146 J	0.0215	0.0215	<0.0188	<0.00291
	5/14/2014	0.0249	<0.00500	0.000825 J	<0.0283	<0.00316
	11/11/2014	0.0127 J	<0.00500	0.00119 J	<0.0283	<0.00316

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL DATA - SELECT INORGANIC METALS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Arsenic (dissolved) (mg/L)	Chromium VI (hexavalent) (mg/L)	Chromium Total (dissolved) (mg/L)	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standard mg/L		0.1	0.05	0.05	1	0.2
MW062A DUP	5/19/2011	0.0192	<0.0100	<0.0500	<0.100 J	<0.0500
	11/10/2011	<0.0100 J	<0.0100	<0.0100	<0.200	<0.0200
	11/10/2011	0.0118 J	<0.0100	<0.0100	<0.200	0.0227
	5/23/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	0.0277
	10/31/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.002910*
	5/14/2013	0.0227	<0.00500	<0.00355	<0.0188	<0.00291
	10/30/2013	0.0185 J	<0.00500	<0.00355	<0.0188	0.0617
	5/13/2014	0.0179 J	<0.00500	<0.000811	<0.0283	<0.00316
	11/10/2014	0.0253	<0.00500	0.000903 J	<0.0283	<0.00316
MW063A DUP	5/19/2011	0.0121	<0.0100	<0.0500	<0.100 J	<0.0500
	11/10/2011	<0.0100 J	<0.0100	<0.0100	<0.200	<0.0200
	5/18/2012	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	10/31/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.002910*
	5/13/2013	0.0241	<0.00500	<0.00355	<0.0188	<0.00291
	10/30/2013	0.0180 J	<0.00500	<0.00355	<0.0188	0.00768 J
	5/13/2014	0.0209	0.00710 J	<0.000811	<0.0283	<0.00316
	11/10/2014	0.0199 J	<0.00500	<0.000811	<0.0283	<0.00316
	11/10/2014	0.0148 J	<0.00500	<0.000811	<0.0283	<0.00316
MW064SA	5/10/2011	0.0227 J	0.114	0.108	<0.100	<0.0500
	11/10/2011	<0.0100 J	0.0724	0.0667	<0.200	<0.0200
	5/11/2012	<0.00756	0.0745	0.0770	<0.0188	<0.00291
	10/30/2012	<0.00756*	0.0792	0.0808*	<0.0188*	<0.00291*
	5/6/2013	0.00818 J	0.0813	0.0817	<0.0188	<0.00291
	4/1/2014				P&A	
MW065SA DUP DUP	5/19/2011	<0.0100	0.0706	0.0604	<0.100 J	<0.0500
	11/14/2011	<0.0100	0.117	0.113	<0.200	<0.0200
	5/9/2012	<0.00756	0.220	0.206	<0.0188	<0.00291
	5/9/2012	<0.00756	0.221	0.218	<0.0188	<0.00291
	11/1/2012	<0.00756*	0.269	0.270*	<0.0188*	<0.002910*
	11/1/2012	<0.00756*	0.284	0.274*	<0.0188*	0.0228 J*
	5/7/2013	0.0105 J	0.317	0.314	<0.0188	<0.00291
	10/31/2013	0.0167 J	0.180	0.179	<0.0188	<0.00291
	5/14/2014	0.0162 J	0.0273	0.0355	<0.0283	<0.00316
	11/12/2014	0.0208	0.0743	0.0739	<0.0283	0.00853 J
MW066SA	5/18/2011	<0.0100	<0.0100	<0.0500	<0.100 J	0.634
	11/14/2011	<0.0100	<0.0100	<0.0100	<0.200	0.739
	5/15/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	0.534
	11/2/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	1.01*
	5/7/2013	0.00811 J	<0.00500	<0.00355	<0.0188	1.19
	5/7/2013	0.00808 J	<0.00500	<0.00355	0.0276 J	1.09
	10/31/2013	0.00999 J	<0.00500	<0.00355	<0.0188	1.13
	5/15/2014	<0.0115 J	<0.00500	<0.000811	<0.0283	1.10
	11/12/2014	0.0110 J	<0.00500	<0.000811	<0.0283	0.883
MW067SA	5/19/2011	0.0386 J	<0.0100	<0.0500	<0.100	<0.0500
	11/15/2011	<0.0100	<0.0100	<0.0100	<0.200	<0.0200
	5/16/2012	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	11/2/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.002910*
	5/8/2013	<0.0266	<0.00500	<0.00355	<0.0188	<0.00291
	11/1/2013	0.0152 J	<0.00500	<0.00355	<0.0188	<0.00291
	5/15/2014	<0.0188 J	<0.00500	<0.000811	<0.0283	<0.00506 J
	11/13/2014	0.0165 J	<0.00500	<0.000811	<0.0283	<0.00316

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL DATA - SELECT INORGANIC METALS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Arsenic (dissolved) (mg/L)	Chromium VI (hexavalent) (mg/L)	Chromium Total (dissolved) (mg/L)	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standard mg/L		0.1	0.05	0.05	1	0.2
MW070A	5/18/2011	0.0103	<0.0100	<0.0500	<0.100 J	<0.0500
	5/23/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	<0.00291
	5/14/2013	0.0203	<0.00500	0.00406 J	<0.0188	<0.00291
	5/8/2014	0.0153 J	<0.00500	0.00293 J	<0.0283	<0.00316
MW071SA	5/18/2011	<0.0100	<0.0100	<0.0500	<0.100 J	0.114
	11/14/2011	<0.0100	<0.0100	0.0114	<0.200	<0.0200
	5/8/2012	<0.00756	<0.00500	0.0174	<0.0188	0.0888
	11/1/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	0.168*
	5/7/2013	0.0194 J	<0.00500	0.00425 J	<0.0188	0.203
	10/30/2013	0.0215	<0.00500	0.00507 J	<0.0188	0.220
	5/16/2014	0.0201	<0.00500	0.00635 J	<0.0283	0.208
	11/12/2014	0.0125 J	<0.00500	0.00368 J	<0.0283	<0.00316
MW072SA	5/24/2011	0.0155 J	<0.0100	<0.0500	<0.100	<0.0500
	11/14/2011	<0.0100	<0.0100	<0.0100	<0.200	<0.0200
	5/15/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	<0.00291
	11/2/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.002910*
	5/8/2013	<0.0128 J	<0.00500	<0.00355	<0.0188	<0.00291
	10/31/2013	0.0167 J	<0.00500	<0.00355	<0.0188	0.0345
	5/15/2014	<0.0177 J	<0.00500	<0.000811	<0.0283	<0.00767 J
	11/12/2014	0.0220	<0.00500	<0.000811	<0.0283	<0.00316
MW073SA	5/19/2011	0.0119 J	<0.0100	<0.0500	<0.100	<0.0500
	11/14/2011	<0.0100	<0.0100	<0.0100	<0.200	<0.0200
	5/15/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	<0.00291
	11/2/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.002910*
	5/8/2013	<0.0135 J	<0.00500	<0.00355	<0.0188	<0.00291
	5/16/2014	0.0135 J	<0.00500	<0.000811	<0.0283	<0.00316
	11/12/2014	0.0190 J	<0.00500	<0.000811	<0.0283	0.00434 J
	DUP 11/12/2014	0.0119 J	<0.00500	<0.000811	<0.0283	<0.00316
MW074SA	5/18/2011	<0.0100	<0.0100	<0.0500	<0.100 J	<0.0500
	11/10/2011	<0.0100	<0.0100 J	0.0186	<0.200	<0.0200
	5/16/2012	<0.00756	<0.00500	0.0135	<0.0188	<0.00291
	10/31/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.002910*
	5/7/2013	0.0116 J	0.00610 J	0.0149	<0.0188	<0.00291
	10/31/2013	0.0128 J	0.0113	0.0111	<0.0188	0.0530
	5/14/2014	0.0199 J	<0.00500	0.00988 J	<0.0283	0.00841 J
	11/11/2014	0.00628 J	0.0104	0.00908 J	<0.0283	<0.00316
MW075SA	5/10/2011	0.0141 J	<0.0100	<0.0500	<0.100	<0.0500
	11/11/2011	<0.0100	<0.0100	<0.0100	<0.200	<0.0200
	5/9/2012	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	10/30/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.00291*
	5/6/2013	0.0103 J	<0.00500	<0.00466 J	0.0227 J	<0.00291
	10/30/2013	0.0125 J	<0.00500	<0.00355	<0.0188	<0.00291
	5/14/2014	0.0217	<0.00500	0.00211 J	<0.0283	<0.00316
	11/11/2014	0.0148 J	<0.00500	0.00369 J	<0.0283	0.00954 J

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL DATA - SELECT INORGANIC METALS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Arsenic (dissolved) (mg/L)	Chromium VI (hexavalent) (mg/L)	Chromium Total (dissolved) (mg/L)	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standard mg/L		0.1	0.05	0.05	1	0.2
MW076SA DUP	5/10/2011	0.0162 J	<0.0100	<0.0500	<0.100	<0.0500
	11/11/2011	<0.0100	<0.0100	<0.0100	<0.200	<0.0200
	5/9/2012	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	10/30/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.00291*
	5/7/2013	0.00936 J	<0.00500	<0.00355	<0.0188	<0.00291
	10/30/2013	0.0206	<0.00500	<0.00355	<0.0188	0.0442
	5/14/2014	0.0193 J	<0.00500	0.00211 J	<0.0283	<0.00316
	5/14/2014	0.0185 J	<0.00500	0.00233 J	<0.0283	<0.00316
	11/11/2014	0.0105 J	<0.00500	0.00312 J	<0.0283	<0.00316
MW077SA	5/10/2011	0.0208 J	<0.0100 J	<0.0500	<0.100	<0.0500
	11/11/2011	<0.0100	<0.0100	<0.0100	<0.200	0.0486
	5/9/2012	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	11/1/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.002910*
	5/6/2013	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	4/1/2014				P&A	
MW078SA	5/19/2011	0.0112 J	<0.0100	<0.0500	<0.100	<0.0500
	11/15/2011	<0.0100	<0.0100	<0.0100	<0.200	<0.0200
	5/16/2012	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	11/2/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.002910*
	5/8/2013	<0.0106 J	<0.00500	<0.00355	<0.0188	<0.00291
	11/4/2013	0.0104 J	<0.00500	<0.00355	<0.0188	0.0180 J
	5/15/2014	<0.0174 J	<0.00500	<0.000811	<0.0283	<0.00443 J
	11/13/2014	0.0227	<0.00500	<0.000811	<0.0283	<0.00316
MW079SA	5/23/2011	<0.0100	0.0142	<0.0500	<0.100	0.0541
	11/15/2011	<0.0100	0.016	<0.0100	<0.200	0.0395
	5/9/2012	<0.00756	0.0355	<0.00355	<0.0188	0.0671
	11/7/2012	<0.00756*	<0.00500	<0.00355*	0.214*	0.0585*
	11/1/2013	0.00919 J	<0.00500	<0.00355	<0.0188	0.0225
	5/15/2014	<0.0145 J	<0.00500	<0.000811	<0.0283	0.0353
	11/13/2014	0.0189 J	<0.00500	0.00100 J	<0.0283	<0.00316
MW080SA	5/19/2011	<0.0100	<0.0100	<0.0500	<0.100	<0.0500
	11/15/2011	<0.0100	<0.0100	<0.0100	<0.200	<0.0200
	5/9/2012	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	11/7/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.002910*
	3/31/2014				P&A	
MW081SA	5/19/2011	<0.0100	<0.0100	<0.0500	<0.100 J	<0.0500
	11/15/2011	<0.0100	<0.0100	<0.0100	<0.200	<0.0200
	5/9/2012	<0.00756	<0.00500	<0.00355	<0.0188	0.0281
	11/7/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	0.0712*
	5/8/2013	<0.0118 J	<0.00500	<0.00355	<0.0188	0.233
	3/31/2014				P&A	
MW082SA	5/10/2011	0.0192 J	<0.0100	<0.0500	<0.100	<0.0500
	11/10/2011	<0.0100 J	<0.0100	<0.0100	0.457	0.151
	5/11/2012	<0.00756	0.0620	<0.00355	0.576	0.139
	10/30/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	0.164*
	5/6/2013	<0.00756	<0.00500	<0.00430 J	0.0499 J	0.404
	4/1/2014				P&A	

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL DATA - SELECT INORGANIC METALS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Arsenic (dissolved) (mg/L)	Chromium VI (hexavalent) (mg/L)	Chromium Total (dissolved) (mg/L)	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standard mg/L		0.1	0.05	0.05	1	0.2
MW083SA	5/9/2011	0.0399 J	<0.0100 J	<0.0500	<0.100	<0.0500
	11/10/2011	<0.0100 J	<0.0100 J	<0.0100	<0.200	0.369
	5/11/2012	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	10/31/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	<0.002910*
	5/6/2013	<0.00756	0.00700 J	<0.00459 J	0.0433 J	2.46
	10/31/2013	<0.00756	<0.00500	<0.00355	0.0594 J	0.246
	5/14/2014	0.0167 J	<0.00500	0.00157 J	<0.0283	0.0454
	11/11/2014	<0.00550	<0.00500	0.00185 J	<0.0283	0.142
MW084SA	5/10/2011	0.0110 J	0.0431	<0.0500	0.382	0.248
	11/10/2011	<0.0100 J	0.0435	0.0451	<0.200	0.0251
	5/11/2012	<0.00756	0.0397	0.0405	<0.0188	<0.00291
	10/30/2012	<0.00756*	0.0377	0.0388*	<0.0188*	<0.00291*
	5/6/2013	0.0101 J	0.0294	0.0360	0.0294 J	<0.00291
	10/30/2013	0.0164 J	0.0239	0.0291	<0.0188	0.0533
	5/14/2014	0.0164 J	0.0186	0.0241	<0.0283	0.00379 J
	11/11/2014	<0.00550	0.0218	0.0240	<0.0283	<0.00316
MW085SA	5/9/2011	0.0154 J	<0.0100 J	<0.0500	1.05	0.244
	11/10/2011	<0.0100 J	<0.0100	<0.0100	1.19	0.896
	5/11/2012	<0.00756	0.0895	<0.00355	0.980	0.737
	10/31/2012	<0.00756*	<0.00500	<0.00355*	0.920*	0.668*
	5/6/2013	<0.00756	<0.00500	<0.00784 J	<0.0188	0.476
	10/31/2013	0.00961 J	<0.00500	<0.00355	<0.0188	0.707
	5/14/2014	0.0138 J	<0.00500	0.00238 J	0.0537 J	0.388
	11/11/2014	0.0127 J	<0.00500	<0.000811	<0.0283	0.499
MW086SA	5/19/2011	<0.0100	<0.0100	<0.0500	<0.100	<0.0500
	11/14/2011	<0.0100	<0.0100	0.0261	<0.200	<0.0200
	5/8/2012	0.0167	<0.00500	<0.00355	<0.0188	<0.00291
	11/1/2012	<0.00756*	<0.00500	<0.00355*	<0.0188*	0.0398*
	5/7/2013	0.00795 J	<0.00500	<0.00355	<0.0188	0.00506 J
	10/30/2013	0.0199 J	<0.00500	<0.00355	<0.0188	0.0895
	5/14/2014	0.0137 J	<0.00500	<0.000811	<0.0283	0.00416 J
	11/12/2014	0.0178 J	<0.00500	<0.000811	<0.0283	0.00433 J
MW087A	5/26/2011	0.0219 J	<0.0100	0.112	<0.100	<0.0500
	5/25/2012	<0.00756	0.0479	0.0996	0.320	0.0216
	5/16/2013	0.0201	0.0162	0.0596	0.661	0.0851
	5/8/2014	<0.00550	<0.0250	0.0351	0.202	0.197
MW089SA	5/24/2011	0.0172 J	1.09	1.07	<0.100	<0.0500
	5/22/2012	<0.00756	0.0195	0.0226	<0.0188	<0.00291
	5/22/2012	<0.00756	0.0177	0.0220	<0.0188	<0.00291
	5/15/2013	<0.00756	0.0299	0.0381	<0.0188	<0.00291
	5/27/2014	<0.00550	0.0220	0.0261	<0.0283	<0.00316
	5/27/2014	<0.00550	0.0216	0.0261	<0.0283	<0.00316
MW090SA DUP	5/25/2011	0.0129 J	0.0199	<0.0500	<0.100	<0.0500
	5/25/2011	0.0138 J	0.0208	<0.0500	<0.100	<0.0500
	5/23/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	<0.00291
	5/14/2013	<0.00756	<0.00500	0.00542 J	<0.0188	<0.00291
	5/22/2014	<0.00550	<0.00500	0.00579 J	<0.0283	<0.00331 J

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL DATA - SELECT INORGANIC METALS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Arsenic (dissolved) (mg/L)	Chromium VI (hexavalent) (mg/L)	Chromium Total (dissolved) (mg/L)	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standard mg/L		0.1	0.05	0.05	1	0.2
MW091SA	5/24/2011	<0.0100	0.0217	<0.0500	<0.100	<0.0500
	5/8/2012	<0.00756	0.0510	0.0567	<0.0188	<0.00291
	5/21/2014	<0.00550	0.124	0.120	<0.0283	<0.00316
MW092SA	5/23/2011	0.0152	<0.0100	<0.0500	<0.100	<0.0500
	5/11/2012	<0.00756	<0.00500	0.0129	<0.0188	<0.00291
	3/31/2014				P&A	
MW093SA DUP	5/23/2011	<0.0100	<0.0100	<0.0500	<0.100	<0.0500
	5/11/2012	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	5/10/2013	<0.00756	0.251	0.210	0.0278 J	<0.00291
	5/10/2013	<0.00756	0.306	0.286	0.0204 J	<0.00291
	5/21/2014	<0.00550	<0.00500	<0.000811	<0.0283	0.0102 J
IW003	5/20/2011	0.0502 J	<0.100	<0.0500	17.5	9.39
	5/11/2012	0.0111	0.115	<0.00355	3.60	5.12
	5/20/2014	0.0183 J	<0.0250	0.00673 J	2.22	8.57
IW004	5/20/2011	<0.0100	<0.100	<0.0500	0.318	2.36
	5/11/2012	<0.00756	0.0125	0.0128	0.227	3.88
	5/20/2014	<0.00550	<0.0250	0.0108	<0.0283	3.47
IW005	5/20/2011	0.0605 J	<0.100	<0.0500	16.2	3.93
	5/11/2012	<0.00756	0.109	0.0162	3.25	3.78
	5/7/2013	0.0165 J	<0.00500	0.0129	1.61	1.07
	5/16/2014	0.00973 J	<0.00500	0.0109	0.822	2.16
IW006	5/20/2011	0.0371 J	<0.100	<0.0500	5.04	4.63
	5/11/2012	<0.00756	0.0276	<0.00355	0.960	2.50
	5/7/2013	<0.00756	<0.00500	0.00531 J	0.513	1.32
	5/16/2014	0.0197 J	<0.00500	0.00793 J	1.19	4.58
IW007	5/19/2011	0.178 J	0.366	<0.0500	17.2	3.62
	5/15/2012	0.131 J	0.670	0.0360	15.3	4.43
	5/7/2013	0.107	<0.00500	0.0444 J	10.2	3.98
	5/29/2014	0.0423	<0.0500	0.0253	9.32	4.25
IW008	5/20/2011	0.0367 J	<0.100	<0.0500	2.33	2.65
	5/15/2012	0.0335 J	0.0747	<0.00355	1.39	2.86
	5/7/2013	0.0192 J	<0.00500	0.00472 J	0.679	2.60
	5/20/2014	0.00642 J	<0.0250	0.00377 J	<0.232	2.21
	5/20/2014	0.00756 J	<0.0250	0.00383 J	<0.190 J	2.24
IW009	5/20/2011	0.0517 J	0.123	<0.0500	9.43	17.6
	5/20/2014	0.0186 J	<0.0250	0.00746 J	1.61	5.23
IW010	5/20/2011	<0.0100	<0.100	<0.0500	10.5	6.99
	5/15/2012	<0.00756 J	0.0257	<0.00355	1.86	10.1
	5/7/2013	<0.00756	<0.00500	0.00403 J	0.0813 J	9.17
	5/19/2014	<0.00550	<0.0250	0.00147 J	<0.0283	10.1

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL DATA - SELECT INORGANIC METALS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Arsenic (dissolved) (mg/L)	Chromium VI (hexavalent) (mg/L)	Chromium Total (dissolved) (mg/L)	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standard mg/L		0.1	0.05	0.05	1	0.2
IW011	5/20/2011	0.0788 J	<0.100	<0.0500	1.65	1.38
	5/15/2012	0.0363 J	0.0807	<0.00355	1.70	1.48
	5/7/2013	0.0457	<0.00500	<0.00355	0.765	0.990
	5/19/2014	0.0337	<0.0250	0.00380 J	0.818	1.02
IW012	5/20/2011	0.128 J	0.491	<0.0500	14.6	1.16
IW013	5/20/2011	<0.0100	<0.100	<0.0500	0.127	0.186
	5/15/2012	<0.00756 J	0.0116	<0.00355	0.301	0.220
	5/13/2013	<0.00756	<0.00500	<0.00355	0.398	0.226
	5/19/2014	0.00915 J	<0.0250	0.00443 J	<0.0283	0.221
IW014 DUP	5/20/2011	0.109 J	0.453	<0.0500	3.23	0.363
	5/15/2012	0.0336 J	0.540	<0.00709	1.71	0.388
	5/15/2012	0.0620 J	0.558	<0.00709	1.90	0.345
	5/6/2013	0.144	<0.0500	0.0731	2.19	0.785
	5/19/2014	0.0508	<0.0250	0.0128	<0.0283	0.277
IW015	5/20/2011	0.0546 J	<0.100	<0.0500	6.9	0.246
	5/11/2012	0.0210	0.107	0.0202	2.19	0.274
	5/20/2014	0.0237	<0.0250	0.0153	0.617	0.0939
IW016	5/20/2011	0.0331 J	<0.100	<0.0500	5.2	0.611
	5/9/2012	0.0817	0.0642	<0.00355	0.791	0.334
	5/20/2014	0.00577 J	<0.0250	<0.000811	<0.226	0.225
IW018	5/23/2011	0.0107	<0.0100	<0.0500	<0.100	<0.0500
	5/11/2012	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	5/10/2013	0.0309	0.856	1.17	1.94	1.43
	5/20/2014	0.00653 J	<0.00500	0.00193 J	<0.0283	0.348
IW019	5/23/2011	0.0178	<0.0100	<0.0500	<0.100	<0.0500
	5/11/2012	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	5/10/2013	<0.00756	<0.00500	<0.00355	<0.0188	0.0196 J
	5/20/2014	<0.00550	<0.00500	0.00194 J	<0.0283	0.0419
IW020	5/23/2011	0.0121	<0.0100	<0.0500	<0.100	<0.0500
	5/17/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	<0.00291
	5/10/2013	<0.00756	0.0931	0.111	<0.0188	0.0407
	3/31/2014				P&A	
IW021	5/23/2011	0.0102	<0.0100	<0.0500	<0.100	<0.0500
	5/17/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	<0.00291
	5/13/2013	0.0120 J	<0.00500	<0.00355	<0.0188	<0.00291
	5/21/2014	<0.00550	<0.00500	0.00181 J	<0.0283	<0.00316
IW022	5/24/2011	0.0109	0.0244	<0.0500	<0.100	<0.0500
	5/17/2012	<0.00756 J	0.0499	0.0533	<0.0188	<0.00291
	5/13/2013	<0.00756	0.133	0.139	<0.0188	<0.00291
	5/21/2014	<0.00550	0.0350	0.0384	<0.0283	<0.00316

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL DATA - SELECT INORGANIC METALS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Arsenic (dissolved) (mg/L)	Chromium VI (hexavalent) (mg/L)	Chromium Total (dissolved) (mg/L)	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standard mg/L		0.1	0.05	0.05	1	0.2
IW023	5/24/2011	<0.0100	0.0199	<0.0500	<0.100	<0.0500
	5/18/2012	<0.00756	<0.00500	<0.00355	<0.0188	<0.00291
	5/13/2013	0.00985 J	0.00760 J	0.0108	0.0262 J	<0.00291
	5/21/2014	0.00892 J	0.0177	0.0189	<0.0283	<0.00316
	5/21/2014	<0.00550	0.0181	0.0161	<0.0283	<0.00316
IW024	5/24/2011	<0.0100	0.185	0.169	<0.100	<0.0500
	5/24/2012	<0.00756	0.107	0.106	<0.0188	<0.00291
	5/14/2013	<0.00756	0.0651	0.0723	<0.0188	<0.00291
	5/22/2014	<0.00550	0.306	0.321	<0.0283	<0.00925 J
IW025	05/25/11			Not Sampled	- Well	Silted In
	5/24/2012	<0.00756	0.0312	0.0777	1.20	0.223
	5/14/2013	<0.00756	<0.00500	0.0269	0.993	0.120
	5/22/2014	<0.00550	<0.00500	0.0595	<0.0283	0.345
IW026	05/25/11			Not Sampled	- Well	Silted In
	5/23/2012	<0.00756 J	<0.00500	<0.00355	<0.0188	<0.00291
	5/14/2013	<0.00756	<0.00500	0.00527 J	<0.0188	<0.00291
	5/22/2014	0.00624 J	0.117	0.114	<0.0283	<0.0121 J
IW027	5/24/2011	0.0122	0.0153	<0.0500	<0.100	<0.0500
	5/23/2012	<0.00756 J	0.0105	0.0157	<0.0188	<0.00291
	5/14/2013	<0.00756	<0.00500	0.0123	<0.0188	<0.00291
	5/22/2014	0.00784 J	0.0103	0.0139	<0.0283	<0.00718 J
IW028	5/23/2011	0.0127	0.052	<0.0500	<0.100	<0.0500
	5/22/2012	<0.00756	0.0144	0.0203	<0.0188	0.0258
	5/22/2012	<0.00756	0.0132	0.0185	<0.0188	<0.00291
	5/15/2013	0.0110 J	0.0127	0.0202	<0.0188	<0.00291
	5/22/2014	<0.00550	0.0341	0.0369	<0.0283	<0.00316
IW029P	5/7/2014	0.00591 J	<0.0250	<0.000811	32.2	1.91
RW004A DUP	5/25/2011	0.0265 J	<0.100	<0.0500	367	10.7
	5/25/2011	0.0228 J	<0.100	0.0715	589	11.3
	5/25/2012	<0.0378	2.96	<0.0177	9.80	1.16
	5/20/2013	0.0102 J	<0.0500	0.0260	7.25	0.215
	5/8/2014	0.0146 J	<0.0250	0.0245	8.67	0.273
Water Wells						
EPWW1	5/18/2011	<0.0100	<0.100	<0.0500	<0.100 J	<0.0500
	5/21/2012	<0.00756	0.968	0.0475	0.301	0.0494
GOPWW2	5/25/2011	0.0203 J	<0.0100	<0.0500	<0.100	0.884
	11/17/2011	<0.0100	<0.0100	<0.0100	0.436	1.05
	5/8/2012	0.0710	<0.00500	<0.00355	<0.0188	1.05
	11/1/2012	<0.00756*	<0.00500	<0.00355*	17.2*	1.80*
	5/23/2013	<0.00756	<0.00500	<0.00355	<0.0188	1.11

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL DATA - SELECT INORGANIC METALS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Arsenic (dissolved) (mg/L)	Chromium VI (hexavalent) (mg/L)	Chromium Total (dissolved) (mg/L)	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standard mg/L		0.1	0.05	0.05	1	0.2
LordWW	5/26/2011	<0.0100	<0.0100	<0.0500	0.593	0.133
	11/10/2011	<0.0100	<0.0100 J	<0.0100	2.24	0.126
	5/18/2012	<0.00756	<0.00500	<0.00355	<0.0188	0.115
	10/26/2012	<0.00756*	<0.00500	<0.00355*	9.71*	0.208*
	5/23/2013	<0.00756	0.0174	<0.00355	<0.0188	0.0539
	11/5/2013	<0.00756	<0.00500	<0.00355	0.507	0.261
	5/9/2014	<0.00550	<0.0250	<0.000811	<0.0283	0.0822
	11/10/2014	<0.00550	<0.00500	<0.000811	<0.0283	0.147
RolandWW DUP	5/25/2011	<0.0100	<0.0100	<0.0500	0.165	0.0539
	5/25/2011	<0.0100	<0.0100	0.0564	0.24	0.0563
WoodellWW DUP	5/25/2011	0.0144 J	0.0176	<0.0500	<0.100	<0.0500
	5/25/2011	<0.0100	0.0176	<0.0500	<0.100	<0.0500
	5/16/2012	<0.00756	0.0380	0.0421	<0.0188	<0.00291
	10/31/2012	<0.00756*	0.0285	0.0314*	<0.0188*	<0.002910*
	5/22/2013	0.00973 J	0.0299	0.0329	<0.0188	<0.00291
	10/31/2013	0.00793 J	0.0843	0.0866	<0.0188	0.0623
	5/29/2014	0.00857 J	0.0341	0.0446	<0.0283	<0.00316
	11/14/2014	0.0168 J	0.0638	0.0967	<0.0283	<0.00316

Notes:

Dissolved Metals (Arsenic, Chromium, Hexavalent Chromium, Iron, Manganese).
were analyzed by EPA Method 6010B/7196A.

New Mexico Water Quality Control Commission (NMWQCC) Standards 20.6.2.3103.A
mg/L (ppm) - milligrams per liter (parts per million).

Bold indicates that a COC was detected.

Shading indicates that a detected result exceeded the NMWQCC Standard.

<#.#### - Not detected at or above MDL for 2012 and RL for 2011.

* - result measured as total, not dissolved

NG - Not Gauged

P&A - Plugged and Abandoned

TABLE 5
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND TPH
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)
NMWQCC Standard mg/L		0.01	0.75	0.75	0.62	--	--
<i>Shallow Monitor Wells</i>							
MW001	5/11/11	<0.0010	<0.0010	0.00378	<0.0010	<1.50	<1.50
	5/24/12	<0.000500	<0.00100	0.00236	<0.000700	<1.50	<1.50
	5/21/2013	<0.000500	<0.00100	0.00661	<0.000700	<0.988	<0.988
	5/6/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW002	5/16/11	<0.0010 J	<0.0020 J	<0.0010 J	<0.0010 J	<1.50	<1.50
	5/24/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/21/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/22/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW003	5/7/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW004 Dup	5/16/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/22/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/22/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/15/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/21/2014	<0.000800	<0.00100	<0.000800	<0.000700	1.25 J	<0.975
MW005	5/17/11	0.141	<0.0020	0.0116	0.00452	<1.50	<1.50
	5/24/12	0.188	<0.00100	0.142	0.00288	<1.50	<1.50
	5/22/2013	0.396	<0.00100	0.222	0.00313	4.59	4.01
MW006	5/17/11	2.25	<0.0400	0.142	<0.0200	<1.50	2.89
MW007	5/22/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/16/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/9/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW008 DUP	5/11/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/11/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/25/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/16/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/7/2014	<0.000800	<0.00100	<0.000800	<0.000700	1.01 J	<0.976
MW008M DUP	5/11/11	0.00130	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/25/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/20/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/6/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	5/6/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW009	5/11/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/22/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/15/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/6/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975

TABLE 5
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND TPH
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)
NMWQCC Standard mg/L		0.01	0.75	0.75	0.62	--	--
MW010 DUP	5/11/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/7/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/21/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/26/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/17/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/4/2013	0.00615	0.00682	0.00293	0.00267	<0.988	<0.988
	5/7/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/5/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	11/5/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW011	5/16/11	<0.0010 J	<0.0020 J	<0.0010 J	<0.0010 J	<1.50	<1.50
	5/22/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/20/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/8/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW011M DUP	5/11/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/11/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/22/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/20/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/6/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW012	5/13/11	<0.0010 J	<0.0020 J	<0.0010 J	<0.0010 J	<1.50	<1.50
	5/22/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/21/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/28/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW012M	5/13/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/22/12	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	5/21/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/28/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW013 Dup Dup	5/12/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/8/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/17/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/17/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	11/1/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/1/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/17/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/4/2013	0.00405	0.00459	0.00184	0.00182	<0.988	<0.988
	5/7/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	11/7/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976

TABLE 5
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND TPH
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)
NMWQCC Standard mg/L		0.01	0.75	0.75	0.62	--	--
MW014	5/11/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/7/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/18/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/29/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/16/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/5/2013	<0.000500	<0.00100	<0.000700	0.00237	<0.988	<0.988
	5/7/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	11/5/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW015	5/11/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/7/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/17/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/29/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/16/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/5/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/6/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	11/4/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW018	5/11/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/8/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/21/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/26/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/13/2013	<0.000500	<0.00100	<0.000700	<0.000700	1.07 J	<0.988
	11/5/2013	<0.000500	<0.00100	<0.000700	0.00327	<0.988	<0.988
	5/9/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.974	<0.974
	11/4/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW020	5/11/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/8/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/17/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/26/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/13/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/6/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	11/4/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW021	5/12/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/8/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/23/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	11/1/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	3/31/14					P&A	
MW023	5/16/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/8/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/24/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	11/6/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/21/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/31/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/8/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/7/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975

TABLE 5
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND TPH
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)
NMWQCC Standard mg/L		0.01	0.75	0.75	0.62	--	--
MW024	5/12/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/9/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/22/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	11/1/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/14/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/30/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/8/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/6/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW025	5/11/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/7/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/22/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/29/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/16/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	4/1/2014					P&A	
MW026 DUP-2 DUP	5/12/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/8/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	11/8/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/17/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/29/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/20/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/5/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/5/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/9/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.974	<0.974
	11/5/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW027	5/12/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/7/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/17/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/30/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/20/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/5/2013	<0.000500	<0.00100	<0.000700	0.00268	<0.988	<0.988
	5/9/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.974	<0.974
	11/5/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW028	5/12/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/8/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	11/2/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/20/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	4/1/2014					P&A	
MW029 DUP-1	5/11/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/8/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	11/8/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/24/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	11/1/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/14/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	4/1/2014					P&A	

TABLE 5
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND TPH
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)
NMWQCC Standard mg/L		0.01	0.75	0.75	0.62	--	--
MW030	5/11/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/8/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/24/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	11/1/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/14/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/31/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/12/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	11/6/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW030P	5/9/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW031	5/12/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/8/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/24/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/31/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/14/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/31/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/12/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/6/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW032	5/12/11	<0.0010 J	<0.0020 J	<0.0010 J	<0.0010 J	<1.50	<1.50
	11/8/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/24/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/30/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/20/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/6/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/12/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	11/5/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW033	5/12/11	0.112	<0.0020	0.123	<0.0010	<1.50	<1.50
	11/7/11	0.116	<0.00200	0.158	<0.00100	<1.50	<1.50
	5/17/12	0.0112	<0.00100	0.00451	<0.000700	<1.50	<1.50
	11/6/12	0.117	<0.00100	0.105	<0.000700	<0.988	<0.988
	5/20/2013	0.0335	<0.00100	0.0133	<0.000700	<0.988	<0.988
	10/28/2013					P&A	
MW034	5/12/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/8/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/16/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW035	5/11/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/25/12	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	5/22/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	3/31/2014					P&A	
MW036	5/16/11	0.0849 J	0.00224 J	0.00543 J	0.539 J	<1.50	2.18
	5/25/12	0.0621	0.00200	0.0147	0.592	<1.50	3.29
	5/22/2013	0.0676	<0.00100	0.120	0.205	<0.988	3.03
	5/27/2014	0.0832	0.00128 J	0.0606	0.636	0.981 J	4.81

TABLE 5
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND TPH
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)
NMWQCC Standard mg/L		0.01	0.75	0.75	0.62	--	--
MW037 DUP	5/17/11	2.46	<0.0020	0.203 J	<0.0010	2.70	3.07
	5/17/11	2.14 J	<0.0400	0.224 J	<0.0200	2.41	2.60
	5/25/12	0.105	<0.00100	0.00895	0.00308	<1.50	<1.50
	5/15/2013	6.62	<0.0500	0.534	0.134	4.10	7.09
	5/23/2014	0.996	<0.00500	0.113	<0.00350	1.25 J	1.86
MW038 DUP	5/11/11	0.00494	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/24/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/23/2013	0.000609 J	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/6/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/6/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/6/2014	0.00282	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW043	5/12/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/23/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/13/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/13/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW044	5/12/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/13/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/20/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW045	5/16/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/23/12	<0.000500	<0.00100	0.00110	<0.000700	<1.50	<1.50
	5/22/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/22/2014	0.0135 J	<0.00100	0.0722	0.0476	1.15 J	1.69
MW046	5/16/11	0.0305	<0.0020	0.0569	0.0120	<1.50	<1.50
	5/23/12	0.0398	<0.00100	0.0791	0.0131	<1.50	<1.50
	5/21/2013	0.0520	<0.00100	0.140	0.0693	1.08 J	1.84
	5/23/2014	0.0692	<0.00100	0.117	0.0254	1.41 J	2.30
MW047	5/16/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/23/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/20/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/27/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW058 Dup Dup DUP	5/13/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/10/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/24/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/24/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	11/6/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/6/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/14/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/31/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/13/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/6/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/6/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975

TABLE 5
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND TPH
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)
NMWQCC Standard mg/L		0.01	0.75	0.75	0.62	--	--
MW059	5/16/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/8/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/24/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	11/2/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/21/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/31/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/13/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/10/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW060	5/16/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/7/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/24/12	0.00359	<0.00100	0.00371	<0.000700	<1.50	<1.50
	10/31/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/15/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/31/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/12/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.974	<0.974
	11/6/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW061 DUP	5/13/11	<0.0010 J	<0.0020 J	<0.0010 J	<0.0010 J	<1.50	<1.50
	11/8/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/25/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	11/2/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/15/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/1/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/13/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	5/13/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW068 DUP	11/7/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	5/13/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/13/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/25/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/31/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/15/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/6/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/12/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW069	11/5/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	5/16/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/24/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/14/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/13/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975

TABLE 5
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND TPH
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)
NMWQCC Standard mg/L		0.01	0.75	0.75	0.62	--	--
MW070 DUP	5/13/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/9/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/23/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	11/6/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/14/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/30/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/30/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/8/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW088M	11/10/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	5/11/11	0.00113	<0.0020	0.00205	<0.0010	6.77	15.6
	5/22/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50 J	<1.50 J
	5/21/2013	<0.000500	<0.00100	<0.000700	<0.000700	0.999 J	11.6
MW094 DUP	5/9/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	3.36
	11/17/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50 J	<1.50 J
	5/25/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/31/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/15/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/15/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/1/2013	0.00140	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/9/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW095 Dup	11/5/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	11/17/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50 J	<1.50 J
	5/25/12	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	5/25/12	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	10/31/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/15/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/6/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/9/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW096P	11/6/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	5/7/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW097P	5/7/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
IW001	5/7/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	5/17/11	<0.0010	0.00311	<0.0010	<0.0010	<1.50	<1.50
	5/25/12	<0.000500	0.00279	<0.000700	<0.000700	<1.50	<1.50
	5/21/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
IW001	5/8/2014	<0.000800	0.00116 J	<0.000800	<0.000700	<0.975	<0.975

TABLE 5
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND TPH
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)
NMWQCC Standard mg/L		0.01	0.75	0.75	0.62	--	--
IW002	5/17/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/9/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/25/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/22/2013	<0.000500	<0.00100	<0.000700	<0.000700	1.11 J	<0.988
	5/28/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
RW002	5/17/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/22/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/20/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	3/31/2014					P&A	
RW003	5/17/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/21/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/22/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/28/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976

Notes:

Benzene, Toluene, Ethylbenzenes & Total Xylenes were analyzed by EPA Method 8021B.

Total Petroleum Hydrocarbons (DRO/GRO) were analyzed by 8015M.

New Mexico Water Quality Control Commission (NMWQCC) Standards 20.6.2.3103.A

mg/L (ppm) - milligrams per liter (parts per million).

NG - Not Gauged

P&A - Plugged and Abandoned

NA - Not Analyzed.

Bold indicates that a COC was detected.

Shading indicates that a detected result exceeded the NMWQCC Standard.

<#.####-Not detected at or above MDL for 2012 and RL for 2011.

TABLE 6
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND TPH
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)
NMWQCC Standard		0.01	0.75	0.75	0.62	--	--
Deep Monitor Wells							
MW002A	5/25/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/24/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/21/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/22/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW004A	5/24/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/22/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/15/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/21/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW007A	5/24/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/22/12	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	5/16/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/7/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW008A	5/26/11	0.00154	<0.0020	<0.0010	<0.0010	2.82	6.85
	5/25/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/16/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/8/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW009A DUP	5/25/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/25/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/22/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/27/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW011A DUP	5/25/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/25/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/22/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/20/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
MW012A	5/25/11	-	-	-	-	<1.50	<1.50
	5/26/11	<0.0010	<0.0020	<0.0010	<0.0010	-	-
	5/22/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/21/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
MW013A	5/28/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
DUP	5/19/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/9/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/17/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/29/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/17/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/4/2013	0.00275	0.00214	0.00109	0.00910	<0.988	<0.988
	11/4/2013	0.00147	0.00177 J	0.00101	0.00844	<0.988	<0.988
	5/7/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	5/7/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.00225	<0.00196
	11/7/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975

TABLE 6
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND TPH
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)
NMWQCC Standard		0.01	0.75	0.75	0.62	--	--
MW014A	5/18/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/9/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/18/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/29/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/16/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/5/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/7/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/5/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW015A	5/18/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/9/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/17/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/29/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/16/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/5/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/5/2013	<0.000500	<0.00100	<0.000700	0.00218 J	<0.988	<0.988
	5/6/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
DUP	11/10/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW016A	5/17/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/9/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/17/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/26/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/16/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/5/2013	0.00306	<0.00100	<0.000700	0.00302	<0.988	<0.988
	5/6/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	11/13/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW017A					Plugged	And	Abandoned
MW018A	5/24/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/9/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/21/12	<0.000500	<0.00100	2	<0.000700	<1.50	<1.50
	10/26/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/13/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	4/1/2014					P&A	
MW019A	5/17/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/9/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/21/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/26/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/13/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/5/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/6/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	11/4/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975

TABLE 6
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND TPH
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)
NMWQCC Standard		0.01	0.75	0.75	0.62	--	--
MW020A	5/16/11	<0.0010 J	<0.0020 J	<0.0010 J	<0.0010 J	<1.50	<1.50
	11/9/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/17/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/26/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/13/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/4/2013	<0.000500	<0.00100	<0.000700	0.00211	<0.988	<0.988
	5/6/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	11/4/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW021A DUP	5/23/11	<0.0010	<0.0020	<0.0010	<0.0010	4.81	<1.50
	11/17/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	11/17/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/17/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	11/8/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/1/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/16/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/13/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW022A DUP	5/25/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/25/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/17/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/23/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	11/9/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/21/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	6/1/2013					P&A	
MW023A DUP	5/18/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/10/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/24/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/30/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/20/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/20/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/31/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/8/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/7/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW024A DUP	5/18/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/10/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/18/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/30/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/13/2013	<0.000500	<0.00100	<0.000700	<0.000700	1.89	<0.988
	10/30/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/8/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	5/8/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/7/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW039A DUP	5/26/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/25/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/25/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/21/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/27/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976

TABLE 6
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND TPH
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)
NMWQCC Standard		0.01	0.75	0.75	0.62	--	--
MW040A	5/19/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/9/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/17/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/29/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/17/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/4/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/7/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/10/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW041A	5/24/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/8/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/16/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	5/16/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.977	<0.977
MW042A DUP	5/25/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/25/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/25/12	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	5/22/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/22/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW046A DUP	5/25/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/25/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/23/12	0.00113	<0.00100	0.00277	<0.000700	<1.50	<1.50
	5/22/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/22/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	5/22/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW048SA DUP DUP	5/24/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/16/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/16/12	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	11/8/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/8/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/8/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/4/2013	<0.000500	<0.00100	<0.000700	0.00678	<0.988	<0.988
	5/15/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	5/15/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/14/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW049SA	5/23/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/17/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/8/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/15/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW050SA	5/23/11	<0.0010	<0.0020	<0.0010	<0.0010	1.85	<1.50
	5/17/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/8/2013	0.00200	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/16/2014	0.00210	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW051SA DUP DUP	5/23/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/16/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/16/2012	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	5/8/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/8/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/15/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975

TABLE 6
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND TPH
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)
NMWQCC Standard		0.01	0.75	0.75	0.62	--	--
MW052SA	5/23/11	<0.0010	<0.0020	<0.0010	<0.0010	4.97	<1.50
	5/16/12	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	5/8/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/15/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW053SA	5/24/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/16/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/16/12	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	11/9/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/8/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/4/2013	0.00113	<0.00100	<0.000700	0.00766	<0.988	<0.988
	5/15/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/14/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW054SA	5/24/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/16/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/16/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	11/7/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	DUP 11/7/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/8/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/4/2013	<0.000500	<0.00100	<0.000700	0.00384	<0.988	<0.988
	5/15/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/14/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	DUP 11/14/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW055SA	5/24/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/16/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/16/12	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	DUP 5/16/12	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	11/7/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	DUP 11/7/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/7/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/31/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/14/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	11/12/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW056SA	5/17/11	0.00106	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/17/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50 J	<1.50 J
	5/16/12	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	DUP 5/16/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	11/8/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/8/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/4/2013	0.000750 J	0.00110 J	<0.000700	0.00547	<0.988	<0.988
	DUP 11/4/2013	0.00190 J	0.00166 J	<0.000700	0.00558	<0.988	<0.988
	5/15/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	11/13/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW057SA	5/17/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/10/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/17/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/31/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/8/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/14/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/11/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975

TABLE 6
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND TPH
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)
NMWQCC Standard		0.01	0.75	0.75	0.62	--	--
MW062A DUP	5/19/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/10/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	11/10/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/23/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/31/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/14/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/30/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/13/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	11/10/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW063A DUP	5/19/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/10/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/18/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/31/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/13/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/30/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/13/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	11/10/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/10/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW064SA	5/10/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/10/11	<0.00100	<0.00200	<0.00100	<0.00100	1.58	<1.50
	5/11/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/30/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/6/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	4/1/2014					P&A	
MW065SA DUP DUP	5/19/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/14/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/9/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/9/2012	<0.000500	<0.00100	<0.000700	<0.000700	R	R
	11/1/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/1/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/7/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/31/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/14/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/12/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW066SA DUP	5/18/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/14/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/15/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	11/2/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/7/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/7/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/31/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/15/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/12/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW067SA	5/19/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/15/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/16/12	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	11/2/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/8/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/1/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/15/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/13/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975

TABLE 6
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND TPH
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)
NMWQCC Standard		0.01	0.75	0.75	0.62	--	--
MW070A	5/18/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/23/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/14/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/8/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW071SA	5/18/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/14/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50 J	<1.50 J
	5/8/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	11/1/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/7/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/30/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/16/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/12/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW072SA	5/18/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/14/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/15/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	11/2/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/8/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/31/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/15/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	11/12/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW073SA	5/19/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/14/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/15/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	11/2/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/8/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/16/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	11/12/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	DUP 11/12/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW074SA	5/18/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/10/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/16/12	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	10/31/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/7/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/31/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/14/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	11/11/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW075SA	5/10/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/11/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/9/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/30/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/6/2013	0.000590 J	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/30/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/14/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	11/11/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW076SA	5/10/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/11/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/9/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/30/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/7/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/30/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/14/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	DUP 5/14/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/11/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975

TABLE 6
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND TPH
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)
NMWQCC Standard		0.01	0.75	0.75	0.62	--	--
MW077SA	5/10/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/11/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/9/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	11/1/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/6/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	4/1/2014					P&A	
MW078SA	5/19/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/15/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/16/12	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	11/2/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/8/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/4/2013	0.000540 J	<0.00100	<0.000700	0.00373	<0.988	<0.988
	5/15/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/13/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW079SA	5/23/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/15/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/9/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	11/7/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/1/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/15/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/13/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW080SA	5/19/11	<0.0010 J	<0.0020 J	<0.0010 J	<0.0010 J	<1.50	<1.50
	11/15/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/9/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	11/7/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	3/31/14					P&A	
MW081SA	5/19/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/15/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/9/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	11/7/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/8/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	3/31/14					P&A	
MW082SA	5/10/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/10/11	<0.00100 J	<0.00200 J	<0.00100 J	<0.00100 J	<1.50	<1.50
	5/11/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50 J	<1.50 J
	10/30/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/6/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	4/1/2014					P&A	
MW083SA	5/9/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/10/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/11/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/31/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/6/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/31/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/14/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/11/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975

TABLE 6
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND TPH
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)
NMWQCC Standard		0.01	0.75	0.75	0.62	--	--
MW084SA	5/10/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/10/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/11/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/30/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/6/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/30/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/14/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	11/11/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW085SA	5/9/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/10/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/11/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	10/31/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/6/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/31/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/14/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	11/11/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW086SA	5/19/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/14/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/8/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	11/1/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/7/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/30/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/14/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	11/12/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
MW087A	5/26/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/25/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/16/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/8/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW089SA Dup DUP	5/24/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/22/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/22/2012	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/27/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
MW090SA DUP	5/27/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	5/25/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/25/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/23/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
MW091SA	5/14/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/22/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	5/24/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/8/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
MW092SA	5/21/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	5/23/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/11/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
MW093SA	3/31/14					P&A	
	5/23/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/11/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/10/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/10/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
MW093SA	5/21/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976

TABLE 6
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND TPH
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)
NMWQCC Standard		0.01	0.75	0.75	0.62	--	--
IW003	5/20/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/11/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/20/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.977	<0.977
IW004	5/20/11	<0.0010 J	<0.0020 J	<0.0010 J	<0.0010 J	<1.50	<1.50
	5/11/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/20/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
IW005	5/20/11	<0.0010 J	<0.0020 J	<0.0010 J	<0.0010 J	<1.50	<1.50
	5/11/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/7/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/16/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
IW006	5/20/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/11/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/7/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	1.28 J
	5/16/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
IW007	5/19/11	<0.0010 J	<0.0020 J	<0.0010 J	<0.0010 J	<1.50	<1.50
	5/15/12	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	5/7/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	1.50 J
	5/29/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
IW008 DUP	5/20/11	<0.0010 J	<0.0020 J	<0.0010 J	<0.0010 J	<1.50	<1.50
	5/15/12	<0.000500 J	0.0272 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	5/7/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/20/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	5/20/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
IW009	5/20/11	<0.0100 J	<0.0200 J	<0.0100 J	<0.0100 J	440	441
	5/20/2014	<0.000800	<0.00100	<0.000800	<0.000700	8.52	6.94
IW010	5/20/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/15/12	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	5/7/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/19/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
IW011	5/20/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/15/12	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	5/7/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/19/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
IW012	5/20/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
IW013	5/20/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/15/12	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	5/13/2013	<0.000500	<0.00100	<0.000700	<0.000700	1.26 J	<0.988
	5/19/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.977	<0.977
IW014 DUP	5/20/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/15/12	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	5/15/2012	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	5/6/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/19/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
IW015	5/20/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/11/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/20/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976

TABLE 6
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND TPH
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)
NMWQCC Standard		0.01	0.75	0.75	0.62	--	--
IW016	5/20/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/9/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/20/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
IW018	5/23/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	2.28
	5/11/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/10/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/20/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
IW019	5/23/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50 J	1.56 J
	5/11/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/10/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/20/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
IW020	5/23/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/17/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/10/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	3/31/2014					P&A	
IW021	5/23/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/17/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/13/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/21/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
IW022	5/24/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/17/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/13/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/21/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
IW023 DUP	5/24/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/18/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/13/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/21/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
	5/21/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
IW024	5/24/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/24/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/14/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/22/2014	<0.000800	<0.00100	<0.000800	<0.000700	2.16	<0.975
IW025	5/25/11					Not Sampled	- Well Silted In
	5/24/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/14/2013	<0.000500	<0.00100	<0.000700	<0.000700	1.29 J	<0.988
	5/22/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
IW026	5/25/11					Not Sampled	- Well Silted In
	5/23/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/14/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/22/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
IW027	5/24/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/23/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/14/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/22/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976

TABLE 6
SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND TPH
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)
NMWQCC Standard		0.01	0.75	0.75	0.62	--	--
IW028	5/23/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
DUP	5/22/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/22/2012	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	5/22/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
IW029P	5/7/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
RW004A	5/25/11	<0.00500 J	<0.0100 J	<0.00500 J	<0.00500 J	8.72 J	45.9 J
DUP	5/25/11	<0.00500 J	<0.0100 J	<0.00500 J	<0.00500 J	15.6 J	78.2 J
	5/25/12	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	5/20/2013	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/8/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.976	<0.976
Water Wells							
EPWW1	5/18/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/21/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
GOPWW2	5/25/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/17/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50 J	<1.50 J
	5/8/12	<0.000500	<0.00100	<0.000700	<0.000700	<1.50	<1.50
	11/1/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/23/13	<0.000500	<0.00100	0.00101	<0.000700	<0.988	<0.988
LordWW	5/26/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	11/10/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50
	5/18/12	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	10/26/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/23/13	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	11/5/13	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/9/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/10/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
RolandWW	5/25/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
DUP	5/25/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
WoodellWW	5/25/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/25/11	<0.0010	<0.0020	<0.0010	<0.0010	<1.50	<1.50
	5/16/12	<0.000500 J	<0.00100 J	<0.000700 J	<0.000700 J	<1.50	<1.50
	10/31/12	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/22/13	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	10/31/13	<0.000500	<0.00100	<0.000700	<0.000700	<0.988	<0.988
	5/29/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975
	11/14/2014	<0.000800	<0.00100	<0.000800	<0.000700	<0.975	<0.975

Notes:

Benzene, Toluene, Ethylbenzenes & Total Xylenes were analyzed by EPA Method 8021B.

Total Petroleum Hydrocarbons (DRO/GRO) were analyzed by 8015M.

New Mexico Water Quality Control Commission (NMWQCC) Standards 20.6.2.3103.A

mg/L (ppm) - milligrams per liter (parts per million).

NG - Not Gauged

P&A - Plugged and Abandoned

NA - Not Analyzed.

Bold indicates that a COC was detected.

Shading indicates that a detected result exceeded the NMWQCC Standard.

<#.#### Not detected at or above MDL for 2012 and RL for 2011.

TABLE 7
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE AND TDS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride (mg/L)	Total dissolved solids (TDS) (mg/L)
NMWQCC Standard ² mg/L		250	1,000
<i>Shallow Monitor Wells</i>			
MW001	5/11/2011	181	4,370
	5/24/2012	131	2,970
	5/21/2013	127	2,780
	5/6/2014	429	3,240
MW002	5/16/2011	1,330	4,200
	5/24/2012	1,210	4,640
	5/21/2013	1,130	4,130
	5/22/2014	912	3,180 J
MW003	5/22/2012	21	1,210
	5/16/2013	46	1,040
	5/7/2014	383	2,000
MW004 DUP	5/16/2011	761	3,220
	5/22/2012	640	3,190
	5/22/2012	658	3,700
	5/15/2013	298	1,810
	5/21/2014	571	2,800
MW005	5/17/2011	321	1,170
	5/24/2012	311	1,510
	5/22/2013	210	1,300
MW006	5/17/2011	1,520	2,740
MW007	5/22/2012	472	2,190
	5/16/2013	173	1,220
	5/9/2014	366	1,780
MW008 DUP	5/11/2011	1,020 J	3,600
	5/11/2011	1,840 J	3,840
	5/25/2012	983	4,280
	5/16/2013	839	3,760
	5/7/2014	924	4,000
MW008M	5/11/2011	1,380	4,360
	5/25/2012	1,370	5,220
	5/20/2013	1,370	5,100
	5/6/2014	1,330	5,390
	5/6/2014	1,330	5,390
MW009	5/11/2011	148	1,260
	5/22/2012	224	1,510
	5/15/2013	132	1,180
	5/6/2014	125	1,540

TABLE 7
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE AND TDS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride (mg/L)	Total dissolved solids (TDS) (mg/L)
NMWQCC Standard ² mg/L		250	1,000
MW010 DUP	5/11/2011	2,880	5,170
	11/7/2011	2,440	5,240
	5/21/2012	2,570	7,250
	10/26/2012	2,680	6,400
	5/17/2013	2,440	6,280
	11/4/2013	2,430	6,240
	5/7/2014	2,360	5,380
	11/5/2014	1,990	4,510
	11/5/2014	1,490	4,460
MW011	5/16/2011	1,210	3,900
	5/22/2012	1,130	4,590
	5/20/2013	1,130	3,430
	5/8/2014	1,190	3,700
MW011M DUP	5/11/2011	1,450	3,590
	5/11/2011	1,500	3,800
	5/22/2012	1,420	4,340
	5/20/2013	1,290	4,400
	5/6/2014	1,240	4,720
MW012	5/13/2011	747	2,320
	5/22/2012	768	2,980
	5/21/2013	399	2,050
	5/28/2014	446	1,980
MW012M	5/13/2011	693	5,560
	5/22/2012	861	5,830
	5/21/2013	744	4,900
	5/28/2014	779	5,220
MW013	5/12/2011	522	2,680
	11/8/2011	482	2,240
	5/17/2012	321 J	2,100
	5/17/2012	329 J	2,160
	11/1/2012	272	1,790
	11/1/2012	278	1,830
	5/17/2013	301	1,730
	11/4/2013	650	3,230
	5/7/2014	536	2,570
	11/7/2014	420	2,460 J
MW014	5/11/2011	1,420	3,260
	11/7/2011	1,460	3,760
	5/18/2012	1,370	3,500
	10/29/2012	1,670	4,410
	5/16/2013	1,540	3,820
	11/5/2013	1,180	3,600
	5/7/2014	1,400	3,520
	11/5/2014	1,890	3,900

TABLE 7
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE AND TDS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride (mg/L)	Total dissolved solids (TDS) (mg/L)
NMWQCC Standard ² mg/L		250	1,000
MW015	5/11/2011	1,480	3,000
	11/7/2011	909	2,480
	5/17/2012	777 J	2,620
	10/29/2012	576	2,070
	5/16/2013	532	2,050
	11/5/2013	543	2,250
	5/6/2014	639	2,480
	11/4/2014	438	2,020
MW018	5/11/2011	180	1,400
	11/8/2011	230	1,380
	5/21/2012	221	1,430
	10/26/2012	260	1,180
	5/13/2013	268	1,310
	11/5/2013	1,620	3,960
	5/9/2014	220	1,220
	11/4/2014	149	1,080
MW020	5/11/2011	963	2,510
	11/8/2011	863	2,770
	5/17/2012	894 J	2,580
	10/26/2012	917	2,050
	5/13/2013	865	2,420
	5/6/2014	741	2,530
	11/4/2014	670	2,470
MW021	5/12/2011	64	858
	11/8/2011	79	632
	5/23/2012	65	841
	11/1/2012	80	900
	3/31/2014		P&A
MW023	5/16/2011	956	3,280
	11/8/2011	778	2,890
	5/24/2012	810	3,720
	11/6/2012	802	3,650
	5/21/2013	767	3,500
	10/31/2013	762	3,680
	5/8/2014	812	3,440
	11/7/2014	776	3,850 J
MW024	5/12/2011	435	1,600
	11/9/2011	575	1,830
	5/22/2012	634	2,580
	11/1/2012	646	1,810
	5/14/2013	674	1,940
	10/30/2013	631	2,730
	5/8/2014	736	2,480 J
	11/6/2014	625	2,530

TABLE 7
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE AND TDS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride (mg/L)	Total dissolved solids (TDS) (mg/L)
NMWQCC Standard ² mg/L		250	1,000
MW025	5/11/2011	153	1,180
	11/7/2011	547	1,680
	5/22/2012	213	1,230
	10/29/2012	170	989
	5/16/2013	265	1,400
	4/1/2014		P&A
MW026	5/12/2011	458	2,560
	11/8/2011	521	1,950
	11/8/2011	524	2,200
	5/17/2012	576 J	2,170
	10/29/2012	568	2,000
	5/20/2013	485	2,110
DUP	11/5/2013	544	3,020
	11/5/2013	528	2,850
	5/9/2014	427	2,050
	11/5/2014	572	2,760
MW027	5/12/2011	413	1,390
	11/7/2011	331	1,420
	5/17/2012	261 J	1,500
	10/30/2012	288	1,610
	5/20/2013	92	1,170
	11/5/2013	250	1,470
	5/9/2014	275	1,420
	11/5/2014	386	1,840
MW028	5/12/2011	399	1,510
	11/8/2011	372	1,460
	11/2/2012	339	1,380
	5/20/2013	224	1,240
	4/1/2014		P&A
MW029	5/11/2011	98	630
	11/8/2011	136	792
	11/8/2011	138	816
	5/24/2012	141	713
	11/1/2012	139	370
	5/14/2013	141	546
	4/1/2014		P&A
MW030	5/12/2011	164	748
	11/8/2011	105	788
	5/24/2012	75	614
	11/1/2012	147	628
	5/14/2013	127	696
	10/31/2013	315	1,080
	5/12/2014	154	633
	11/6/2014	92	446
MW030P	5/9/2014	264	2,920

TABLE 7
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE AND TDS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride (mg/L)	Total dissolved solids (TDS) (mg/L)
NMWQCC Standard ² mg/L		250	1,000
MW031	5/12/2011	75	702
	11/8/2011	97	918
	5/24/2012	103	826
	10/31/2012	107	684
	5/14/2013	106	802
	10/31/2013	98	761
	5/12/2014	106	780
	11/6/2014	97	1,160
MW032	5/12/2011	185	988
	11/8/2011	250	806
	5/24/2012	238	1,270
	10/30/2012	231	1,140
	5/20/2013	226	959
	11/6/2013	212	1,110
	5/12/2014	299	1,310
	11/5/2014	221	1,150
MW033	5/12/2011	547	1,430
	11/7/2011	514	1,730
	5/17/2012	430 J	1,770
	11/6/2012	536	1,480
	5/20/2013	447	1,450
	10/28/2013		P&A
MW034	5/12/2011	322	1,330
	5/8/2012	473	2,050
	5/16/2014	533	2,000
MW035 DUP	5/11/2011	17	516
	5/25/2012	188	1,120
	5/22/2013	157	1,100
	5/22/2013	162	1,140
	3/31/2014		P&A
MW036	5/16/2011	78	852
	5/25/2012	89	772
	5/22/2013	52	795
	5/27/2014	199	1,000
MW037 DUP	5/17/2011	1,080	2,100
	5/17/2011	1,000	2,020
	5/25/2012	1,220	2,700
	5/15/2013	343	1540
	5/23/2014	679	2,120

TABLE 7
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE AND TDS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride (mg/L)	Total dissolved solids (TDS) (mg/L)
NMWQCC Standard ² mg/L		250	1,000
MW038	5/11/2011	108	888
	5/24/2012	266	1,510
	5/23/2013	147	1020
	11/6/2013	296	1650
	11/6/2013	287	1650
DUP	5/6/2014	144	1,190
MW043	5/12/2011	95	1,020
	5/23/2012	193	1,140
	5/13/2013	158	1150
	5/13/2014	401	1,600
MW044	5/12/2011	42	510
	5/13/2013	420	1,560
	5/20/2014	668	1,910
MW045	5/16/2011	158	1,250
	5/23/2012	149	1,210
	5/22/2013	134	1190
	5/22/2014	168 J	1,130
MW046	5/16/2011	484	1,640
	5/23/2012	394	1,570
	5/21/2013	307	1440
	5/23/2014	177	1,290
MW047	5/16/2011	633	2,380
	5/23/2012	620	2,260
	5/20/2013	248	1770
	5/27/2014	285	1,730
MW058	5/13/2011	857	3,310
	11/10/2011	223	922
	5/24/2012	219	911
	5/24/2012	221	885
	11/6/2012	992	4,160
	11/6/2012	1,020	4,140
	5/14/2013	967	3790
	10/31/2013	1070	4370
	5/13/2014	175	909
	11/6/2014	157	781
DUP	11/6/2014	85	921
MW059	5/16/2011	114	610
	11/8/2011	127	454
	5/24/2012	254	1,030
	11/2/2012	839	3,620
	5/21/2013	428	2120
	10/31/2013	404	543
	5/13/2014	133	661
	11/10/2014	110	653

TABLE 7
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE AND TDS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride (mg/L)	Total dissolved solids (TDS) (mg/L)
NMWQCC Standard ² mg/L		250	1,000
MW060	5/16/2011	1,510	4,310
	11/7/2011	944	2,900
	5/24/2012	758	2,750
	10/31/2012	1,030	3,210
	5/15/2013	1140	4310
	10/31/2013	984	4040
	5/12/2014	1,440	2,760
	11/6/2014	1,270	4,520
MW061	5/13/2011	287	1,710
	11/8/2011	312	1,960
	5/25/2012	330	1,600
	11/2/2012	823	3,800
	5/15/2013	554	2550
	11/1/2013	267	1710
	5/13/2014	272	1,570
	5/13/2014	273	1,900
DUP	11/7/2014	213	1,560 J
MW068 DUP	5/13/2011	114	732
	5/13/2011	113	704
	11/7/2011	119	526
	5/25/2012	114	880
	10/31/2012	121	784
	5/15/2013	120	820
	11/6/2013	111	899
	5/12/2014	124	798
	11/5/2014	705	1,840
MW069	5/16/2011	1,070	2,390
	5/24/2012	986	3,960
	5/14/2013	877	2190
	5/13/2014	817	1,460
MW070	5/13/2011	216	862
	11/9/2011	199	680
	5/23/2012	212	939
	11/6/2012	201	790
	5/14/2013	192	821
	10/30/2013	167	829
	10/30/2013	167	805
	5/8/2014	172	737
	11/10/2014	162	825
DUP			

TABLE 7
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE AND TDS
SHALLOW WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride (mg/L)	Total dissolved solids (TDS) (mg/L)
NMWQCC Standard²		250	1,000
MW094 DUP	11/17/2011	130	6,620
	5/25/2012	147	1,170
	10/31/2012	161	1,350
	5/15/2013	297	2400
	5/15/2013	299	2280
	11/1/2013	226	2030
	5/9/2014	138	1,110
	11/5/2014	126	980
MW095 DUP	11/17/2011	1,070	1,110
	5/25/2012	1,290	4,590
	5/25/2012	1,300	4,540
	10/31/2012	1,360	4,330
	5/15/2013	1510	4630
	11/6/2013	1150	3940
	5/9/2014	1,290	4,340
	11/6/2014	1,330	4,950
MW088M	5/11/2011	743	7,220
	5/22/2012	918	8,290
	5/21/2013	809	7040
	5/9/2014	826	6,000
MW096P	5/7/2014	197	897
MW097P	5/7/2014	535	2,110
IW001	5/17/2011	1,030	4,440
	5/25/2012	950	5,330
	5/21/2013	963	5700
	5/8/2014	1,020	5,250
IW002	5/17/2011	513	3,710
	11/9/2011	523	3,940
	5/25/2012	547	4,430
	5/22/2013	534	3880
	5/28/2014	582	3,850
RW002	5/17/2011	1,070	3,820
	5/22/2012	1,060	4,420
	5/20/2013	994	3320
	3/31/2014		P&A
RW003	5/17/2011	534	2,460
	5/21/2012	584	2,550
	5/22/2013	550	2270
	5/28/2014	474	1,970

Notes:

Chloride analysed by EPA Methods 300.0E.

Total Dissolved Solids (TDS) analysed by SM 2540C.

New Mexico Water Quality Control Commission

(NMWQCC) Standards 20.6.2.3103.B.

mg/L (ppm) - milligrams per liter (parts per million).

NG - Not Gauged

P&A - Plugged and Abandoned

Bold indicates that a COC was detected.

Shading indicates that a detected result exceeded the NMWQCC Standard.

TABLE 8
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE AND TDS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride (mg/L)	Total dissolved solids (TDS) (mg/L)
NMWQCC Standard²		250	1,000
mg/L			
<i>Deep Monitor Wells</i>			
MW002A	5/25/2011	310	1,020
	5/24/2012	337	1,260
	5/21/2013	346	1,180
	5/22/2014	341	1,090
MW004A	5/24/2011	246	1,170
	5/22/2012	620	2,520
	5/15/2013	326	1,300
	5/21/2014	606	2,630
MW007A	5/24/2011	313	1,700
	5/22/2012	357 J	1,870
	5/16/2013	344	1,600
	5/7/2014	374	1,580
MW008A	5/26/2011	820 J	5,740
	5/25/2012	912	5,880
	5/16/2013	793	4,850
	5/8/2014	808	4,060
MW009A DUP	5/25/2011	268	1,650
	5/25/2011	295	1,610
	5/22/2012	536 J	2,040
	5/15/2013	524	2,080
MW011A DUP	5/27/2014	497	1,890
	5/25/2011	1,440	4,850
	5/25/2011	1,610 J	4,990
	5/22/2012	1,350	4,720
MW012A	5/20/2013	1,250	4,540
	5/8/2014	1,260	3,090
MW012A	5/25/2011	94	468
	5/22/2012	97	576
	5/21/2013	89	503
	5/28/2014	91	562
MW013A DUP DUP	5/19/2011	70	458
	11/9/2011	69	466
	5/17/2012	76.0 J	575
	10/29/2012	69	554
	5/17/2013	68	460
	11/4/2013	60	512
	11/4/2013	63	511
	5/7/2014	69	432
	5/7/2014	66	575
	11/7/2014	65	598 J
MW014A	5/18/2011	18.9 J	200
	11/9/2011	18	134
	5/18/2012	56	518
	10/29/2012	50	624
	5/16/2013	46	440
	11/5/2013	31	313
	5/7/2014	49	449
	11/5/2014	12	129
MW015A	5/18/2011	880 J	1,880
	11/9/2011	753	1,390
	5/17/2012	2,730 J	6,170

TABLE 8
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE AND TDS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride (mg/L)	Total dissolved solids (TDS) (mg/L)
NMWQCC Standard ² mg/L		250	1,000
DUP	10/29/2012	2,190	5,050
	5/16/2013	1,410	3,400
	11/5/2013	205 J	1,230 J
	11/5/2013	1,700 J	4,020 J
	5/6/2014	3,410	10,500
	11/10/2014	892	2,550
MW016A	5/17/2011	244	756
	11/9/2011	342	1,110
	5/17/2012	256 J	889
	10/26/2012	542	1,190
	5/16/2013	250	909
	11/5/2013	541	1,790
	5/6/2014	590	1,820
	11/13/2014	262	1,010
MW017A	5/6/2011	Plugged and Abandoned	
MW018A	5/24/2011	15	172
	11/9/2011	209	1,980
	5/21/2012	219	1,180
	10/26/2012	222	997
	5/13/2013	23	219
	4/1/2014		P&A
MW019A	5/17/2011	302	1,030
	11/9/2011	263	704
	5/21/2012	354	1,190
	10/26/2012	335	1,170
	5/13/2013	266	1,070
	11/5/2013	295	1,240
	5/6/2014	281	1,230
	11/4/2014	222	1,020

TABLE 8
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE AND TDS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride (mg/L)	Total dissolved solids (TDS) (mg/L)
NMWQCC Standard ² mg/L		250	1,000
MW020A	5/16/2011	1,180	2,630
	11/9/2011	367	1,310
	5/17/2012	402 J	1,180
	10/26/2012	1,040	2,470
	5/13/2013	958	2,320
	11/4/2013	960	3,090
	5/6/2014	951	3,140
	11/4/2014	441	1,680
MW021A DUP	5/23/2011	2,540	6,520
	11/17/2011	2,380	6,500 J
	11/17/2011	2,500	3,700 J
	5/17/2012	3,000 J	7,000
	11/8/2012	75	1,040
	11/1/2013	2,760	6,560
	5/16/2014	740	9,270
	11/13/2014	2,280	5,570
MW022A DUP	5/25/2011	57	432
	5/25/2011	60	414
	11/17/2011	56	446
	5/23/2012	63	428
	11/9/2012	63	376
	5/21/2013	60	412
	6/1/2013		P&A
MW023A DUP	5/18/2011	49.7 J	486
	11/10/2011	23	466
	5/24/2012	47	595
	10/30/2012	47	525
	5/20/2013	45	473
	5/20/2013	47	494
	10/31/2013	46	1,980
	5/8/2014	54	486 J
	11/7/2014	50	688 J
MW024A DUP	5/18/2011	281 J	792
	11/10/2011	283	598
	5/18/2012	669	2,190
	10/30/2012	661	1,520
	5/13/2013	483	1,270
	10/30/2013	278	956
	5/8/2014	804	2,480
	5/8/2014	777	2,510
	11/7/2014	279	1,120 J

TABLE 8
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE AND TDS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride (mg/L)	Total dissolved solids (TDS) (mg/L)
NMWQCC Standard²		250	1,000
MW039A DUP	5/26/2011	169 J	832
	5/25/2012	202	952
	5/25/2012	194	976
	5/21/2013	186	1,030
	5/27/2014	202	927
MW040A	5/19/2011	47	442
	11/9/2011	49	496
	5/17/2012	57.6 J	586
	10/29/2012	50	510
	5/17/2013	50	448
	11/4/2013	48	488
	5/7/2014	52	423
	11/10/2014	53	575
MW041A	5/24/2011	274	1,440
	5/8/2012	357	1,580
	5/16/2014	442	1,810
	5/16/2014	445	1,810
MW042A DUP	5/25/2011	433	1,030
	5/25/2011	454 J	1,120
	5/25/2012	479	1,070
	5/22/2013	427	1,270
	5/22/2014	418	1,160
MW046A DUP	5/25/2011	291	1,290
	5/25/2011	267	1,350
	5/23/2012	337	1,420
	5/22/2013	323	1,460
	5/22/2014	333	1,430
	5/22/2014	334 J	1,400
MW048SA DUP DUP	5/24/2011	478	1,860
	11/16/2011	490	2,270
	5/16/2012	616 J	2,250
	11/8/2012	610	2,070
	11/8/2012	624	1,980
	5/8/2013	613	2,370
	11/4/2013	545	2,390
	5/15/2014	595	2,350
	5/15/2014	600	2,220
	11/14/2014	560	2,500
MW049SA	5/23/2011	1,530	3,460
	5/17/2012	1,800 J	4,480
	5/8/2013	1,410	3,620
	5/15/2014	1,320	3,360
MW050SA	5/23/2011	1,020	3,210
	5/17/2012	1,030 J	2,950
	5/8/2013	1,300	3,640
	5/16/2014	1,360	4,030
MW051SA DUP	5/23/2011	1,100	3,880
	5/16/2012	1,260 J	3,970
	5/16/2012	1,250	4,180
	5/8/2013	1,060	3,540
	5/8/2013	966	3,530

TABLE 8
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE AND TDS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride (mg/L)	Total dissolved solids (TDS) (mg/L)
NMWQCC Standard²		250	1,000
	5/15/2014	1,090	3,530
MW052SA	5/23/2011	1,090	3,320
	5/16/2012	1,300 J	4,600
	5/8/2013	1,410	3,650
	5/15/2014	1,390	3,840
MW053SA	5/24/2011	225	1,070
	11/16/2011	242	1,040
	5/16/2012	269 J	1,210
	11/9/2012	314	1,090
	5/8/2013	308	1,240
	11/4/2013	314	1,320
	5/15/2014	351	1,280
	11/14/2014	310	1,330
MW054SA	5/24/2011	715	1,710
	11/16/2011	692	2,500
	5/16/2012	803 J	2,340
	11/7/2012	814	2,400
	11/7/2012	816	1,860
	5/8/2013	752	2,360
	11/4/2013	726	2,540
	5/15/2014	855	2,330
	11/14/2014	773	2,900
	11/14/2014	755	2,870
MW055SA	5/24/2011	475	1,700
	11/16/2011	533	2,370
	5/16/2012	614 J	2,200
	5/16/2012	611 J	2,220
	11/7/2012	620	1,690
	11/7/2012	613	1,930
	5/7/2013	595	2,100
	10/31/2013	565	1,920
	5/14/2014	602 J	2,480
	11/12/2014	557	2,010

TABLE 8
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE AND TDS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride (mg/L)	Total dissolved solids (TDS) (mg/L)
NMWQCC Standard ² mg/L		250	1,000
MW056SA DUP DUP	5/17/2011	1,730	3,750
	11/17/2011	1,230	3,580
	5/16/2012	1,390 J	4,060
	5/16/2012	1,430 J	4,000
	11/8/2012	1,380	3,770
	5/8/2013	1,300	3,570
	11/4/2013	1,140	3,660
	11/4/2013	1,150	3,620
	5/15/2014	1,320	3,550
	11/13/2014	1,120	3,820
MW057SA	5/17/2011	331	1,470
	11/10/2011	230	1,160
	5/17/2012	181 J	1,110
	10/31/2012	218	1,180
	5/8/2013	260	1,330
	5/14/2014	61.9 J	565
	11/11/2014	78	722
MW062A DUP	5/19/2011	69	446
	11/10/2011	65	930 J
	11/10/2011	60	550 J
	5/23/2012	59	569
	10/31/2012	65	516
	5/14/2013	60	502
	10/30/2013	56	478
	5/13/2014	70	604
	11/10/2014	60	476
MW063A DUP	5/19/2011	56	438
	11/10/2011	56	384
	5/18/2012	58	430
	10/31/2012	53	459
	5/13/2013	53	456
	10/30/2013	50	469
	5/13/2014	51	537
	11/10/2014	53	463
	11/10/2014	54	489
MW064SA	5/10/2011	577	2,240
	11/10/2011	643	2,310
	5/11/2012	689 J	2,600
	10/30/2012	737	3,020
	5/6/2013	730	2,610
	4/1/2014		P&A

TABLE 8
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE AND TDS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride (mg/L)	Total dissolved solids (TDS) (mg/L)
NMWQCC Standard²		250	1,000
	mg/L		
MW065SA	5/19/2011	1,250	2,590
	11/14/2011	865	3,210
	5/9/2012	1,060	3,720
Dup	5/9/2012	1,050	3,680
	11/1/2012	1,090	3,180
Dup	11/1/2012	1,070	3,320
	5/7/2013	1,020	2,750
	10/31/2013	1,020	3,670
	5/14/2014	1,050 J	3,290
	11/12/2014	939	3,190
MW066SA	5/18/2011	1,270 J	3,020
	11/14/2011	910	3,360
	5/15/2012	1,150 J	3,630
	11/2/2012	1,190	3,150
	5/7/2013	1,300	3,230
DUP	5/7/2013	1,290	3,470
	10/31/2013	1,290	3,580
	5/15/2014	1,410	4,100
	11/12/2014	1,250	3,990
MW067SA	5/19/2011	167	978
	11/15/2011	152	852
	5/16/2012	178 J	1,000
	11/2/2012	179	993
	5/8/2013	164	988
	11/1/2013	157	981
	5/15/2014	158	942
	11/13/2014	214	994
MW070A	5/18/2011	47.9 J	498
	5/23/2012	45	480
	5/14/2013	47	541
	5/8/2014	53	462
MW071SA	5/18/2011	124 J	674
	11/14/2011	94	594
	5/8/2012	109	749
	11/1/2012	111	732
	5/7/2013	119	718
	10/30/2013	103	738
	5/16/2014	121	758
	11/12/2014	103	725

TABLE 8
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE AND TDS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride (mg/L)	Total dissolved solids (TDS) (mg/L)
NMWQCC Standard²		250	1,000
MW072SA	5/24/2011	172	714
	11/14/2011	247	890
	5/15/2012	332 J	1,130
	11/2/2012	375	1,290
	5/8/2013	302	1,380
	10/31/2013	320	1,450
	5/15/2014	337	1,250
	11/12/2014	232	1,090
MW073SA	5/19/2011	285	1,100
	11/14/2011	226	1,080
	5/15/2012	245 J	1,150
	11/2/2012	234	1,020
	5/8/2013	225	1,070
	5/16/2014	295	1,080
	11/12/2014	299	1,140
	11/12/2014	297	1,140
MW074SA	5/18/2011	660 J	2,180
	11/10/2011	555	3,530
	5/16/2012	596 J	2,210
	10/31/2012	584	1,790
	5/7/2013	542	2,100
	10/31/2013	500	2,070
	5/14/2014	596 J	2,150
	11/11/2014	450	2,100
MW075SA	5/10/2011	447	1,830
	11/11/2011	529	2,090
	5/9/2012	531	2,370
	10/30/2012	535	2,260
	5/6/2013	529	2,120
	10/30/2013	405	2,120
	5/14/2014	444 J	2,090
	11/11/2014	400	2,050
MW076SA	5/10/2011	465	1,760
	11/11/2011	457	2,050
	5/9/2012	432	2,220
	10/30/2012	426	1,970
	5/7/2013	394	1,930
	10/30/2013	358	2,100
	5/14/2014	397 J	1,940
	5/14/2014	413 J	2,080
DUP	11/11/2014	365	2,110

TABLE 8
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE AND TDS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride (mg/L)	Total dissolved solids (TDS) (mg/L)
NMWQCC Standard ² mg/L		250	1,000
MW077SA	5/10/2011	541	2,060
	11/11/2011	632	2,290
	5/9/2012	536	1,740
	11/1/2012	718	1,930
	5/6/2013	416	1,380
	4/1/2014		P&A
MW078SA	5/19/2011	185	742
	11/15/2011	147	600
	5/16/2012	184 J	845
	11/2/2012	165	826
	5/8/2013	161	839
	11/4/2013	132	793
	5/15/2014	167	826
	11/13/2014	155	840
MW079SA	5/23/2011	266	1,230
	11/15/2011	240	1,170
	5/9/2012	327	1,310
	11/7/2012	348	1,320
	11/1/2013	338	1,360
	5/15/2014	329	1,440
	11/13/2014	365	1,430
MW080SA	5/19/2011	286	1,070
	11/15/2011	227	1,040
	5/9/2012	291	1,110
	11/7/2012	295	1,100
	3/31/2014		P&A
MW081SA	5/19/2011	569	1,560
	11/15/2011	361	1,370
	5/9/2012	457	1,920
	11/7/2012	565	1,490
	5/8/2013	567	2,000
	3/31/2014		P&A
MW082SA	5/10/2011	641	2,440
	11/10/2011	738	3,090
	5/11/2012	758 J	2,690
	10/30/2012	880	2,930
	5/6/2013	1,370	3,940
	4/1/2014		P&A

TABLE 8
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE AND TDS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride (mg/L)	Total dissolved solids (TDS) (mg/L)
NMWQCC Standard²		250	1,000
MW083SA	5/9/2011	762	2,880
	11/10/2011	1,050	3,080
	5/11/2012	1,160 J	3,460
	10/31/2012	1,160	3,450
	5/6/2013	1,550	3,700
	10/31/2013	729	2,870
	5/14/2014	1,060 J	3,430
	11/11/2014	709	2,830
MW084SA	5/10/2011	946	2,860
	11/10/2011	1,170	3,500
	5/11/2012	1,180 J	3,540
	10/30/2012	1,190	3,350
	5/6/2013	1,010	3,150
	10/30/2013	1,060	3,030
	5/14/2014	1,070 J	3,070
	11/11/2014	975	3,100
MW085SA	5/9/2011	877	2,860
	11/10/2011	634	3,220
	5/11/2012	646 J	2,400
	10/31/2012	713	2,760
	5/6/2013	594	2,560
	10/31/2013	661	2,770
	5/14/2014	812 J	2,880
	11/11/2014	596	2,670
MW086SA	5/19/2011	822	1,610
	11/14/2011	421	1,070
	5/8/2012	679	2,010
	11/1/2012	831	2,130
	5/7/2013	851	1,970
	10/30/2013	656	2,190
	5/14/2014	605 J	2,090
	11/12/2014	514	1,660
MW087A	5/26/2011	1,170 J	3,160
	5/25/2012	1,170	3,860
	5/16/2013	1,120	2,450
	5/8/2014	1,070	4,290
MW089SA	5/24/2011	781	3,470
	5/22/2012	119	1,060
	5/22/2012	122	1,010
	5/15/2013	102	831
	5/27/2014	170	1,150
	5/27/2014	169	1,150

TABLE 8
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE AND TDS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride (mg/L)	Total dissolved solids (TDS) (mg/L)
NMWQCC Standard²		250	1,000
MW090SA DUP	5/25/2011	378	1,830
	5/25/2011	369	1,770
	5/23/2012	297	1,450
	5/22/2014	281	1,950
MW091SA	5/24/2011	105	850
	5/8/2012	187	1,200
	5/21/2014	422	1,780
MW092SA	5/23/2011	187	1,330
	5/11/2012	184 J	1,160
	5/14/2013	166	1,150
	3/31/2014		P&A
MW093SA DUP	5/23/2011	186	1,180
	5/11/2012	244 J	1,050
	5/10/2013	656	2,800
	5/10/2013	696	2,900
	5/21/2014	485	1,360
IW003	5/20/2011	987	3,560
	5/11/2012	995 J	4,020
	5/20/2014	1,070	3,640
IW004	5/20/2011	1,360	3,600
	5/11/2012	1,190 J	4,390
	5/20/2014	972	3,160
IW005	5/20/2011	1,020	3,820
	5/11/2012	990 J	3,920
	5/7/2013	860	2,990
	5/16/2014	850	2,830
IW006	5/20/2011	866	3,020
	5/11/2012	835 J	3,530
	5/7/2013	798	2,920
	5/16/2014	794	2,790
IW007	5/19/2011	953	3,830
	5/15/2012	884 J	4,200
	5/7/2013	861	4,050
	5/29/2014	835	4,490
IW008	5/20/2011	566	2,380
	5/15/2012	566 J	2,430
	5/7/2013	529	2,340
	5/20/2014	530	2,550
	5/20/2014	530	2,250

TABLE 8
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE AND TDS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride (mg/L)	Total dissolved solids (TDS) (mg/L)
NMWQCC Standard ² mg/L		250	1,000
IW009	5/20/2011	878	14,300
	5/20/2014	709	4,350
IW010	5/20/2011	1,080	3,150
	5/15/2012	1,090 J	3,960
	5/7/2013	1,040	3,350
	5/19/2014	1,030	3,310
IW011	5/20/2011	972	2,960
	5/15/2012	986 J	3,380
	5/7/2013	1,000	3,390
	5/19/2014	970	3,200
IW012	5/20/2011	971	3,760
IW013	5/20/2011	1,020	3,140
	5/15/2012	1,060 J	3,780
	5/13/2013	1,030	3,120
	5/19/2014	1,100	2,990
IW014 Dup	5/20/2011	1,210	3,640
	5/15/2012	1,150 J	3,640
	5/15/2012	1,140 J	3,520
	5/6/2013	1,080	3,190
IW015	5/20/2011	1,030	3,090
	5/11/2012	1,000 J	3,280
	5/20/2014	1,030	2,760
IW016	5/20/2011	455	1,920
	5/9/2012	406	1,490
	5/20/2014	478	1,660
IW018	5/23/2011	60	804
	5/11/2012	66.7 J	792
	5/10/2013	932	3,520
	5/20/2014	532	1,640
IW019	5/23/2011	54	482
	5/11/2012	69.0 J	684
	5/10/2013	386	1,390
	5/20/2014	484	1,580
IW020	5/23/2011	95	848
	5/17/2012	98.8 J	783
	5/10/2013	408	2,000
	3/31/2014		P&A

TABLE 8
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE AND TDS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride (mg/L)	Total dissolved solids (TDS) (mg/L)
NMWQCC Standard²		250	1,000
IW021	5/23/2011	194	1,450
	5/17/2012	206 J	1,210
	5/13/2013	266	1,550
	5/21/2014	545	2,270
IW022	5/24/2011	124	1,120
	5/17/2012	216 J	1,170
	5/13/2013	375	1,500
	5/21/2014	454	2,220
IW023	5/24/2011	530	2,230
	5/18/2012	536	1,950
	5/13/2013	537	1,680
	5/21/2014	586	2,190
DUP	5/21/2014	588	2,470
IW024	5/24/2011	538	2,580
	5/24/2012	608	3,050
	5/14/2013	443	2,230
	5/22/2014	724	3,190
IW025	5/24/2011		Not Sampled - Well Silted In
	5/24/2012	501	2,930
	5/14/2013	531	2,490
	5/22/2014	680	2,730
IW026	5/24/2011		Not Sampled - Well Silted In
	5/23/2012	513	1,650
	5/14/2013	484	1,730
	5/22/2014	593	2,750
IW027	5/24/2011	274	1,910
	5/23/2012	344	2,280
	5/14/2013	98	1,030
	5/22/2014	167	1,660
IW028	5/23/2011	294	1,860
	5/22/2012	200	1,660
	5/22/2012	202	1,340
	5/15/2013	140	1,300
IW029P	5/22/2014	201	1,350
	5/7/2014	922	6,860

TABLE 8
SUMMARY OF GROUNDWATER ANALYTICAL DATA - CHLORIDE AND TDS
DEEP WELLS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Collection Date	Chloride (mg/L)	Total dissolved solids (TDS) (mg/L)
NMWQCC Standard²		250	1,000
RW004A DUP	5/25/2011	685	15,700
	5/25/2011	757	16,100
	5/25/2012	480	3,900
	5/20/2013	462	3,780
	5/8/2014	541	4,180
Water Wells			
EPWW1	5/18/2011	61.1 J	344
	5/21/2012	805	3,080
GOPWW2	5/25/2011	1,490	2,560
	11/17/2011	1,310	2,970
	5/8/2012	1,470	1,920
	11/1/2012	1,420	2,930
	5/23/2013	1,350	3,070
LordWW	5/26/2011	1,550 J	3,550
	11/10/2011	1,580	4,380
	5/18/2012	1,670	4,670
	10/26/2012	1,540	3,270
	5/23/2013	1,430	3,330
	11/5/2013	1,320	2,600
	5/9/2014	1,640	2,400
	11/10/2014	1,870	2,780
RolandWW DUP	5/25/2011	344	858
	5/25/2011	432 J	802
WoodellWW DUP	5/25/2011	521	1,880
	5/25/2011	512	1,740
	5/16/2012	579 J	2,500
	10/31/2012	582	1,940
	5/22/2013	634	2,240
	10/31/2013	775	2,820
	5/29/2014	580	2,400
	11/14/2014	558	2,120

Notes:

Chloride analysed by EPA Methods 300.0E.
Total Dissolved Solids (TDS) analysed by SM 2540C.
New Mexico Water Quality Control Commission
(NMWQCC) Standards 20.6.2.3103.B.
mg/L (ppm) - milligrams per liter (parts per million).
NG - Not Gauged
P&A - Plugged and Abandoned
Bold indicates that a COC was detected.
Shading indicates that a detected result exceeded
the NMWQCC Standard.

TABLE 9
SUMMARY OF LNAPL RECOVERY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
EUNICE NORTH GAS PLANT
LEA COUNTY, NEW MEXICO

Well ID	Date	LNAPL Recovered (gallons)	Water Recovered (gallons)	Total Fluids Recovered (gallons)
MW-005	2004-2008	Recovery performed, volume unreported		
MW-006	2004-2008 2014	22.0	0.0	22.0
	TOTALS (2014)	22.0	0.0	22.0

Notes:

1. LNAPL - Light non-aqueous phase liquid.
2. LNAPL recovery from MW-005 and MW-006 reported by Stantec in 2004-2008, recovered LNAPL or water volumes not reported.
3. Manual LNAPL recovery resumed at well MW-006 on 9/2/14.

Attachments

Attachment A

Discharge Permit GW-004

DISCHARGE PERMIT GW-004

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-004 (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 North Gas Plant (Facility) located at State Highway 207 (Eunice-Hobbs Highway) Eunice, New Mexico 88231 in the NE/4 of the SE/4 of Section 28, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico.

As a result of historical operations at the site, Chevron is proposing to remediate chromium contaminated ground water by injecting 5 percent solution of sodium dithionite and/or a 10 percent soy lactate solution in injection wells to remediate contaminated ground water. Chevron will mix 2800 gallons fresh water with a five percent solution of sodium dithionite and/or mix 2800 gallons fresh water with ten percent soy lactate solution to generate a solution which will then be discharged into the Ogallala aquifer. The ground water will be sampled to determine the effectiveness of the discharged solution to remediate the chromium contamination. The depth to ground water in the Ogallala aquifer is 37 to 73 feet below the surface and the background total dissolved solids concentration is approximately 1,200 mg/L. The discharge plan specifies that Chevron will remediate contaminated ground at the site to meet the standards specified in the Water Quality Control Commission regulations (20.6.2.3103 NMAC).

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, including the monitor wells for the hydrocarbon plume, the chloride plume, and the chromium plume.

2. Installation of Monitor Wells Near Injection Wells IW023 and IW024:

a. The Owner/Operator shall install three monitor wells near Injection Well IW023 and three monitor wells near Injection Well IW024 in accordance with its renewal application of December 6, 2010.

b. The Owner/Operator shall monitor the near monitor wells to determine whether it has achieved its primary objectives as specified in its renewal application of December 6, 2010.

3. Dithionite Injection Pilot Study Monitoring

a. Field Monitoring: During the injection, the Owner/Operator shall monitor the three monitoring wells hourly for pH, DO, ORP, conductivity, and temperature.

b. Post-Injection Monitoring and Sampling: The Owner/Operator shall sample the three monitor wells and IW023 monthly for 3 months after the injection, using the injection and monitoring wells, to evaluate the effectiveness of the sodium dithionite treatment. Ground water samples will be collected and analyzed for total and hexavalent chromium, bromide, sulfate, sulfide, total organic carbon, sodium, total and dissolved iron, and field parameters (pH, temperature, conductivity, DO and ORP).

4. Biodegradation Pilot Study

a. Baseline Sampling: Prior to the injection of a soy-lactate solution, the Owner/Operator shall sample and analyze IW023 and the three monitoring wells for total and hexavalent chromium, sulfate, sulfide, ammonia-nitrogen, orthophosphate-phosphorus, total anaerobic microbial counts, total organic carbon, total and dissolved iron, and field parameters (pH, temperature, conductivity, DO, and ORP).

b. Field Monitoring: During the injection, the Owner/Operator shall monitor the three monitor wells hourly for pH, DO, ORP, conductivity, and temperature.

c. **Post -Injection Monitoring and Sampling:** The Owner/Operator shall sample the IW024 and the three monitoring wells to evaluate the treatment effectiveness. Ground water samples will be collected for successive quarters after the injection event and analyzed for total and hexavalent chromium, sulfate, sulfide, ammonia -nitrogen, orthophosphate - phosphorus, total anaerobic microbial counts, total organic carbon, total and dissolved iron, and field parameters (pH, temperature, conductivity, DO, and ORP).

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; chromium; 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; chromium; and, BTEX.
- estimate or measure of the volume of the solutions 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, including ground water management 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.*) other than the injection remediation wells 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.

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/WBS

Date: 01/23/2012