



ENVIRONMENTAL PLUS, INC.  
CONSULTING AND ENVIRONMENTAL REMEDIATION

19 November 2013

Mr. Mike Bratcher, Environmental Specialist  
NMOCD  
811 S. First St.  
Artesia, New Mexico 88210

**Re: Final C-141  
Chevron  
Lotos 15 Federal #1  
UL-P, Section 15, Township 24 South, Range 31 East  
Eddy County, New Mexico**

Mr. Bratcher:

Environmental Plus, Inc. (EPI), on behalf of Mr. Bradley Blevins, Chevron Delaware Basin (Chevron), submits the attached form C-141 for the above-referenced leak site, located on land owned by the State of New Mexico and administered by the BLM.

The site is located approximately 16 miles west of Ochoa, New Mexico (reference *Figure 1*). A search for water wells was completed utilizing the New Mexico Office of the State Engineer's website and a United States Geological Survey (USGS) database. A total of one (1) well is located in the area surrounding the release site (reference *Table 1*). No wells (domestic, agriculture or public) and no bodies of surface water exist within a 1,000-foot radius of the release site (reference *Figure 2*). Groundwater data indicated the average water depth is approximately 360 feet below ground surface (bgs). The attached site information and metrics form ranks the site in accordance with the NMOCD Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993).

Approximately 9 bbls of produced water was released when a water hauler released its load on the well pad, no barrels were recovered (reference *Figure 3* and attached photographs). Based on available information, it was projected distance between impacted soil and groundwater is approximately 360 vertical feet. Utilizing this information, New Mexico Oil Conservation Division (NMOCD) Remedial Goals for this Site were determined as follows:

Parameter	Remedial Goal
Benzene	10 parts per million
BTEX	50 parts per million
TPH	5,000 parts per million
Chloride	1,000 parts per million





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Should you have any questions or concerns please feel free to contact me at (575) 394-3481 or via e-mail at [ddominguezepi@gmail.com](mailto:ddominguezepi@gmail.com) or Mr. Bradley Blevins at (575) 391-1462 Ext. 86424 or via e-mail at [bradley.blevins@chevron.com](mailto:bradley.blevins@chevron.com). All official communication should be addressed to:

Mr. Bradley Blevins  
Chevron  
1616 West Bender  
Hobbs, New Mexico 88240

Sincerely,

ENVIRONMENTAL PLUS, INC.

Daniel Dominguez  
Environmental Consultant

cc: Par 5 Services  
File



## FIGURES



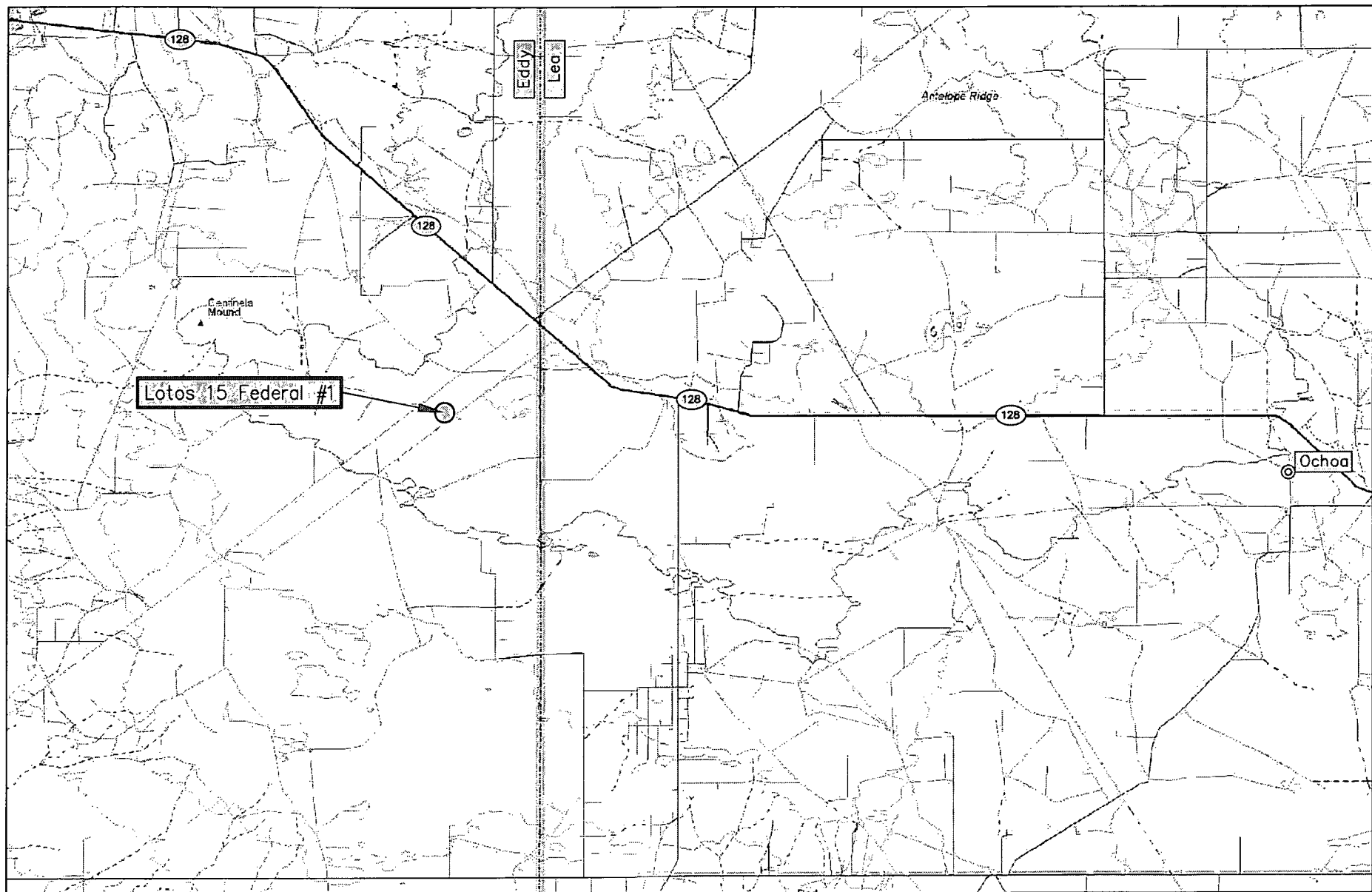
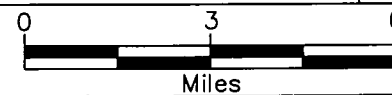


Figure 1  
Area Map  
Chevron  
Lotos 15 Federal #1

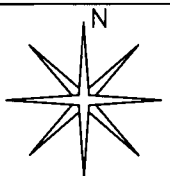
Eddy County, New Mexico  
SE 1/4 of SE 1/4, Sec. 15, T24S, R31E  
N 32° 12' 39.68" W 103° 45' 29.61"  
Elevation: 3,566 feet amsl

DWG By: D Dominguez  
October 2013

REVISED:



SHEET  
1 of 1





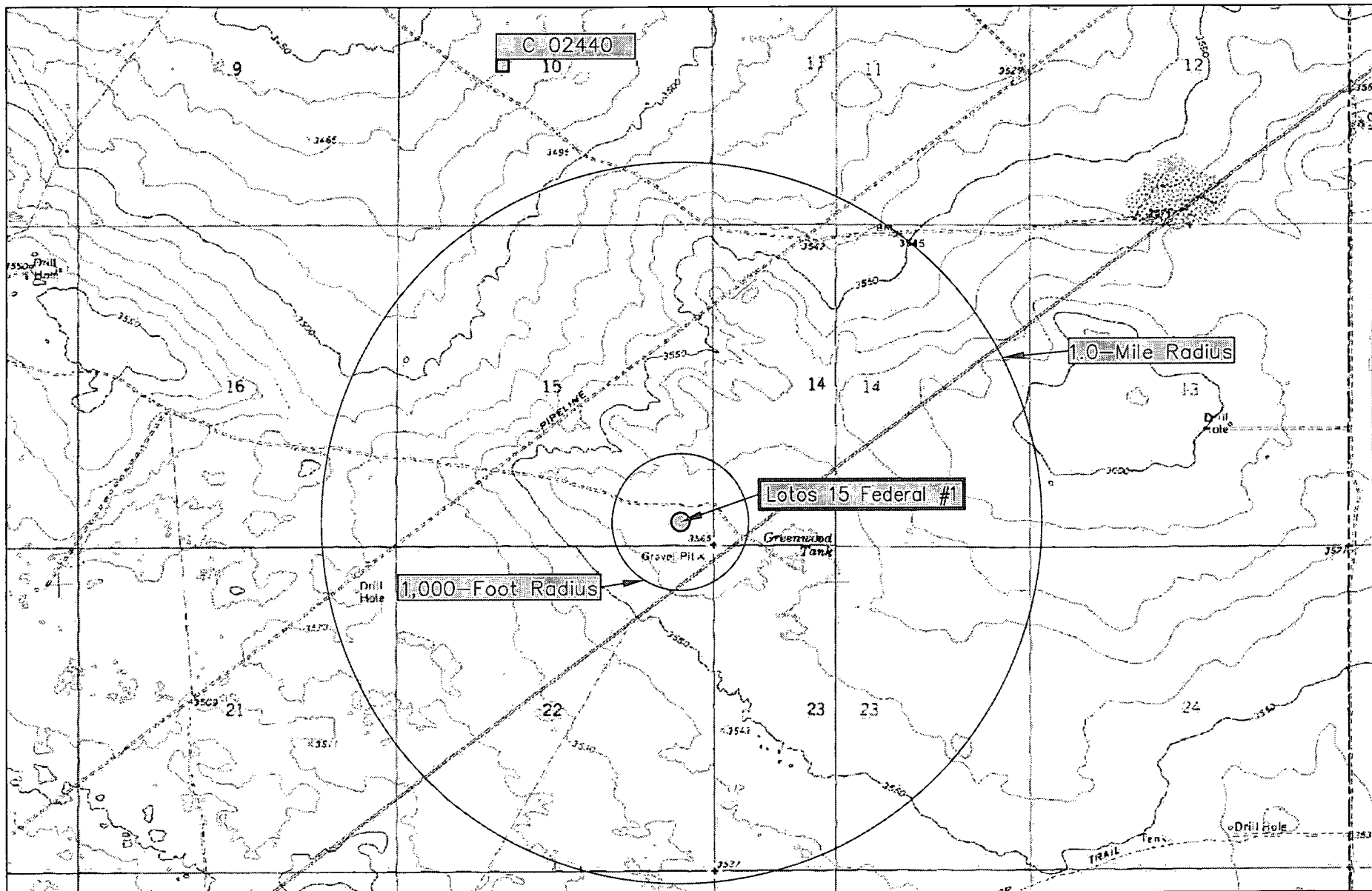
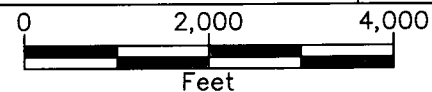


Figure 2  
Site Location Map  
Chevron  
Lotos 15 Federal #1

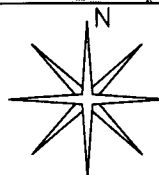
Eddy County, New Mexico  
SE 1/4 of SE 1/4, Sec. 15, T24S, R31E  
N 32° 12' 39.68" W 103° 45' 29.61"  
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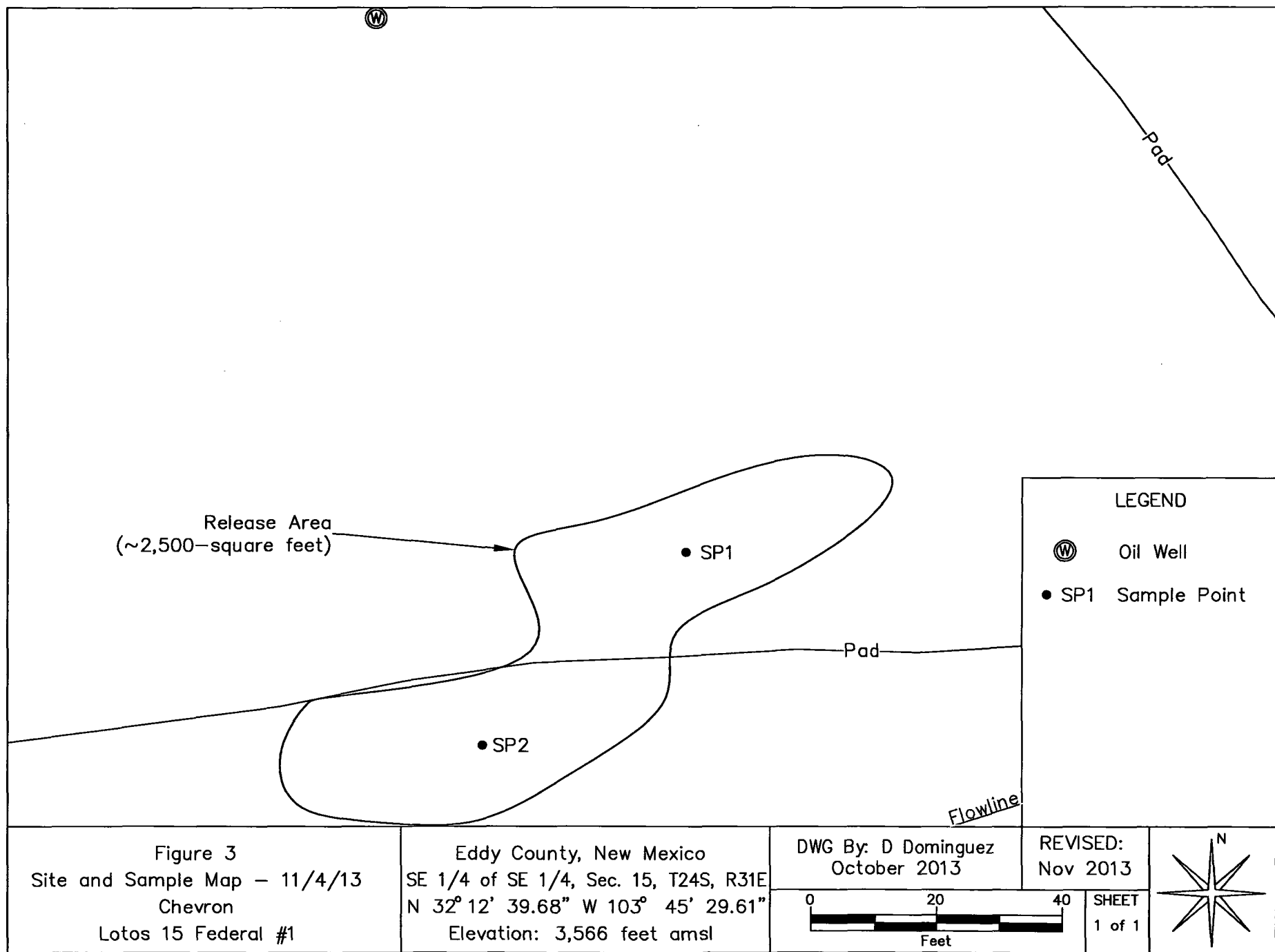
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SHEET  
1 of 1









## **TABLES**



**TABLE 1****Well Data****Chevron - Lotos 15 Federal #1**

Well Number	Diversion <sup>A</sup>	Owner	Use	Twsp	Rng	Sec	q64	q16	q4	Easting	Northing	Date Measured	Surface Elevation <sup>B</sup>	Depth to Water
														(ft bgs)
C 02440	0	SONAT EXPLORATION	PRO	24S	31E	10		2	3	616103	3566599	21-Mar-95	3,470	

\* = Data obtained from the New Mexico Office of the State Engineer Website ([http://iwaters.ose.state.nm.us:7001/iWATERS/wr\\_RegisServlet1](http://iwaters.ose.state.nm.us:7001/iWATERS/wr_RegisServlet1)) and USGS Database

<sup>A</sup> = In acre feet per annum

<sup>B</sup> = Elevation interpolated from USGS topographical map based on referenced location.

PRO = 72-12-1 Prospecting or Development Of Natural Resource

quarters are 1=NW, 2=NE, 3=SW, 4=SE; quarters are biggest to smallest



**TABLE 2**  
**Summary of Soil Sample Laboratory Analytical Results**  
**Chevron**  
**Lotos 15 Federal #1 (EPI Ref. #160512)**

Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
PAD	surface	In situ	22-Oct-13	0.8	960	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.4	11.4	912
PASTURE	surface	In situ	22-Oct-13	0.6	680	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	736
SP1	1	In situ	04-Nov-13	--	200	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
SP1	2	In situ	04-Nov-13	--	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
SP1	3	In situ	04-Nov-13	--	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
SP1	4	In situ	04-Nov-13	--	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	80
SP2	1	In situ	04-Nov-13	--	320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	208
SP2	2	In situ	04-Nov-13	--	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	48
SP2	3	In situ	04-Nov-13	--	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
SP2	4	In situ	04-Nov-13	--	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
NMOCD Remedial Thresholds				100		10				50			5,000	1,000

-- = Not Analyzed

**Bold** values are in excess of NMOCD Remediation Threshold Goals

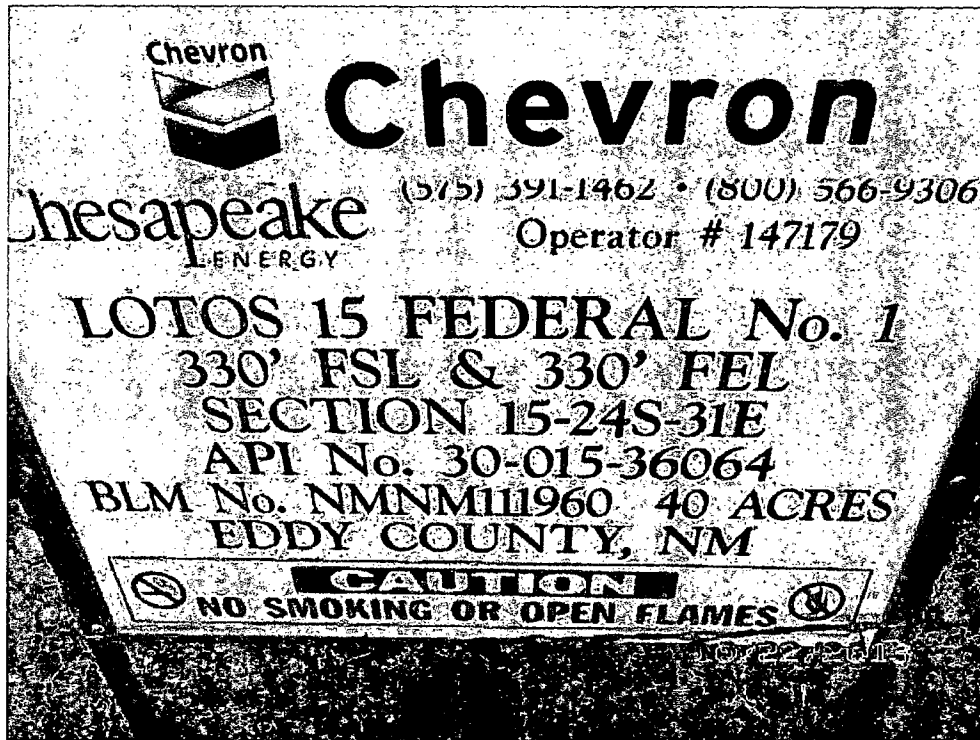


## **ATTACHMENTS**

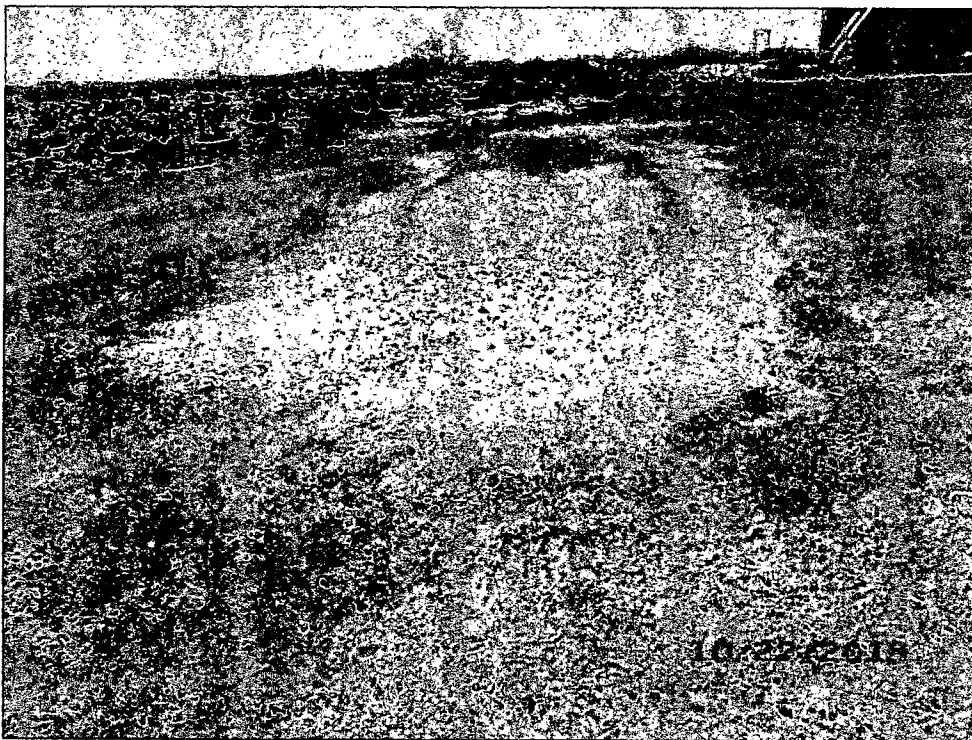


**ATTACHMENT I**  
**PHOTOGRAPHS**



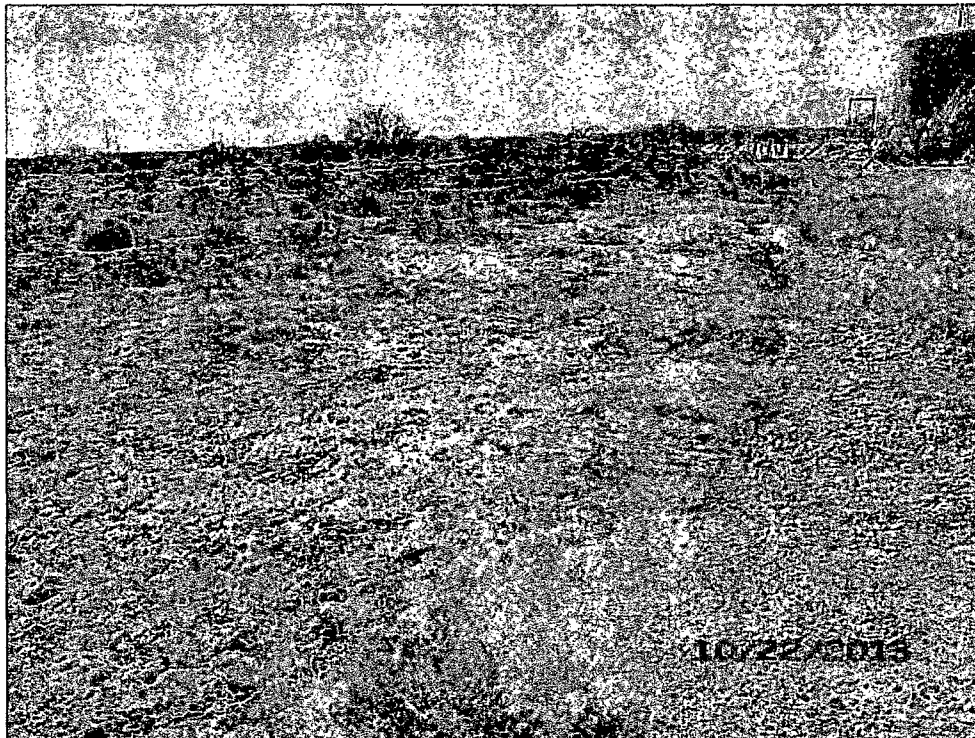


Photograph #1- Lease sign.



Photograph #2- Looking south-west across release area.





Photograph #3- Looking south-west across release area.



Photograph #4- Looking south across release area and sample locations.



**ATTACHMENT II**  
**INFORMATION AND METRICS**  
**INITIAL C-141**



<b>Incident Date:</b> 10/22/13	<b>NMOCD Notified:</b> 10/22/13
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Information and Metrics

<b>Site:</b> Lotos 15 Federal #1		<b>Assigned Site Reference #:</b> 160512	
<b>Company:</b> Chevron			
<b>Street Address:</b> 1616 West Bender			
<b>Mailing Address:</b>			
<b>City, State, Zip:</b> Hobbs, New Mexico 88240			
<b>Representative:</b> Bradley Blevins			
<b>Representative Telephone:</b> (575) 391 – 1462 Ext. 86424			
<b>Telephone:</b>			
<b>Fluid volume released (bbls):</b> ~9 bbls		<b>Recovered (bbls):</b> 0 barrels	
<p>&gt;25 bbls: Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days. (Also applies to unauthorized releases &gt;500 mcf Natural Gas)</p>			
<p>5-25 bbls: Submit form C-141 within 15 days (Also applies to unauthorized releases of 50-500 mcf Natural Gas)</p>			
<b>Leak, Spill, or Pit (LSP) Name:</b> Loto 15 Federal #1			
<b>Source of contamination:</b> Water hauler dumped produced water on pad			
<b>Land Owner, i.e., BLM, ST, Fee, Other:</b> BLM			
<b>LSP Dimensions:</b> ~114 feet by 41 feet			
<b>LSP Area:</b> ~2,500 ft <sup>2</sup>			
<b>Location of Reference Point (RP):</b>			
<b>Location distance and direction from RP:</b>			
<b>Latitude:</b> N 32° 12' 39.68"			
<b>Longitude:</b> W 103° 45' 29.61"			
<b>Elevation above mean sea level:</b> 3,566 feet			
<b>Feet from North Section Line:</b> 330			
<b>Feet from West Section Line:</b> 330			
<b>Location- Unit or ¼/¼:</b> SE¼ of the SE¼		<b>Unit Letter:</b> P	
<b>Location- Section:</b> 15			
<b>Location- Township:</b> T24S			
<b>Location- Range:</b> R31E			
<b>Surface water body within 1000' radius of site:</b> none			
<b>Domestic water wells within 1000' radius of site:</b> none			
<b>Agricultural water wells within 1000' radius of site:</b> none			
<b>Public water supply wells within 1000' radius of site:</b> none			
<b>Depth from land surface to ground water (DG):</b> ~ 360'			
<b>Depth of contamination (DC):</b> unknown			
<b>Depth to ground water (DG – DC = DtGW):</b> ~ 360'			
<b>1. Ground Water</b>		<b>2. Wellhead Protection Area</b>	
If Depth to GW <50 feet: <i>20 points</i>		If <1000' from water source, or; <200' from private domestic water source: <i>20 points</i>	
If Depth to GW 50 to 99 feet: <i>10 points</i>		If >1000' from water source, or; >200' from private domestic water source: <i>0 points</i>	
If Depth to GW >100 feet: <i>0 points</i>			
<b>3. Distance to Surface Water Body</b>			
<200 horizontal feet: <i>20 points</i>			
200-100 horizontal feet: <i>10 points</i>			
>1000 horizontal feet: <i>0 points</i>			
<b>Site Rank (1+2+3) = 0 + 0 + 0 = 0</b>			
<b>Total Site Ranking Score and Acceptable Concentrations</b>			
Parameter	>19	10-19	0-9
Benzene <sup>1</sup>	10 ppm	10 ppm	10 ppm
BTEX <sup>1</sup>	50 ppm	50 ppm	50 ppm
TPH	100 ppm	1,000 ppm	5,000 ppm

<sup>1</sup>100 ppm field VOC headspace measurement may be substituted for lab analysis



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, 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

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

**Release Notification and Corrective Action**

**OPERATOR**

☐ Initial Report ☒ Final Report

<b>Name of Company:</b> Chevron	<b>Contact:</b> Bradley Blevins	
<b>Address:</b> 1616 West Bender	<b>Telephone No.:</b> (575) 391-1462 Ext. 86424	
<b>Facility Name:</b> Lotos 15 Federal #1	<b>Facility Type:</b> Oil well	
<b>Surface Owner:</b> BLM	<b>Mineral Owner:</b>	<b>API:</b> 30-015-36064

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	15	24S	31E	330	South	330	East	Eddy

**Latitude:** N 32° 12' 39.68" **Longitude:** W 103° 45' 29.61"

**NATURE OF RELEASE**

<b>Type of Release:</b> Produced water	<b>Volume of Release:</b> 9 bbls	<b>Volume Recovered:</b> 0 bbls
<b>Source of Release:</b> Water hauler dumped produced water on pad	<b>Date and Hour of Occurrence:</b> 10/22/13 @ 12:30pm	<b>Date and Hour of Discovery:</b> 10/22/13 @ 12:30pm
<b>Was Immediate Notice Given?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	<b>If YES, To Whom?</b> Mike Bratcher	
<b>By Whom?</b> Bradley Blevins	<b>Date and Hour:</b> 10/22/13	
<b>Was a Watercourse Reached?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>If YES, Volume Impacting the Watercourse:</b> Not Applicable	
<b>Depth to Water.</b> ~360 ft bgs		
<b>If a Watercourse was Impacted, Describe Fully.*</b> Not Applicable		
<b>Describe Cause of Problem and Remedial Action Taken.*</b> Approximately 9 bbls of produced water were released when a water hauler released its load on the well pad. There was no volume recovered. No remedial work has yet commenced on the location.		
<b>Describe Area Affected and Cleanup Action Taken.*</b> Approximately 2,500 square feet of surface area was impacted by the release. No volume of water was recovered from the site. Soil samples were collected from release area and submitted to Cardinal Laboratories for testing. Having received acceptable results and NMOCD approval, the site has been closed with no further action required.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
<b>Signature:</b>	<b>OIL CONSERVATION DIVISION</b>	
<b>Printed Name:</b> Bradley Blevins	<b>Approved by District Supervisor:</b>	
<b>Title:</b> HE Specialist	<b>Approval Date:</b>	<b>Expiration Date:</b>
<b>E-mail Address:</b> <a href="mailto:bradley.blevins@chevron.com">bradley.blevins@chevron.com</a>	<b>Conditions of Approval:</b>	<b>Attached</b> <input type="checkbox"/>
<b>Date:</b>	<b>Phone:</b> (575) 391-1462 Ext. 86424	

\* Attach Additional Sheets If Necessary