

Volume calculator

There was no volume calculator prepared when the spill occurred.

**Devon Energy Production Company, LP**  
**6488 Seven Rivers Hwy**  
**Artesia, NM 88210**  
**575-748-0167**

June 7, 2024

NMOCD District 2  
811 S. First Street  
Artesia, NM 88210

Bureau of Land Management  
620 E Green St.  
Carlsbad, NM 88220

**Re: Site Characterization and Remediation Closure Report**  
**Ore Ida 14 Federal #10**  
**API No. 30-015-29290**  
**GPS: Latitude 32.2152138 Longitude -103.9494476**  
**ULSTR – I – 14 – 24S – 29E 1780FSL 860FEL Eddy County, NM**  
**NMOCD Incident ID nMCS0313945373**

This release was initially discovered on May 19, 2003. An initial C-141 form was not submitted for this incident, it is included in this report in Appendix C. This incident was assigned Incident ID nMCS0313945373, by the New Mexico Oil Conservation Division (NMOCD).

**Site Characterization**

The Ore Ida 14 Federal #10 (Ore Ida) is located approximately seven (7) miles east of Malaga, NM. This spill site is in Unit I, Section 14, Township 24S, Range 29E, Latitude 32.2152138 Longitude -103.9494476, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Kermit-Berino fine sands, 0 to 3 percent slopes, and Stony and Rough broken land according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is excessively drained. There is a low potential for karst geology to be present around the Ore Ida (Figure 3).

Based on the well water data from the New Mexico Office of the State Engineer, C-04794-POD1 is a borehole that was drilled January 19, 2024, to a depth of 55 feet below grade surface (BGS) and located 0.22 miles away from this release area. No water bearing soil was encountered during this event. Conversely, as per the United States Geological Survey well water data from USGS321205103544701, the nearest groundwater depth in this region is recorded at 231 feet BGS, located 2.27 miles away from the Ore Ida, with the last gauge conducted in 1999. For detailed references to water surveys and the precise locations of water wells, please refer to Appendix A, inclusive of the relevant maps. Closure criteria for this release area will be according to the 51-100' column of Table 1 19.15.29 NMAC.

**Release Information**

**nMCS0313945373**: On May 19, 2003, SWD pump starting contacts malfunctioned and did not start the pump. Water tank high leveled. Lease operator did not receive call out for this location. Water tank ran over. Spill was contained on location by berm. Vacuum truck was called to pick up water. Will mix fertilizer in affected area.

**Previously Submitted Closure Report**

On August 16, 2018, Devon submitted a closure report for two incidents, nAB1523931622 and nAB1705246718, which was approved for both incidents. Both of these incidents were releases from the tanks as well. This report described major facility deconstruction and excavation of the old earthen berm containment area in 2017. A new, updated secondary containment was

built back in its place and the facility was reconstructed and put back in service. This remediation/excavation should be sufficient information for the approval of this incident (nMCS0313945373) closure. The previously submitted closure report is attached in Appendix E. Many details surrounding the site characterization of this location have been updated in this report.

### **Approval Request**

On behalf of Devon, Pima requests that this Remediation Closure Report for incident ID# nMCS0313945373 be approved. Devon has complied with the applicable closure requirements outlined in rule 19.15.29.12 NMAC.

Should you have any questions or need additional information, please feel free to contact:

Devon Energy Production – Dale Woodall at 575-748-0167 or [dale.woodall@devon.com](mailto:dale.woodall@devon.com).

Pima Environmental – Tom Bynum at 580-748-1613 or [tom@pimaoil.com](mailto:tom@pimaoil.com).

### **Attachments**

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Pre-2017 Site Map
- 5- Post-2017 Site Map

Appendices:

Appendix A – Referenced Water Surveys and Water-Related Information

Appendix B – Soil Survey and Geological Data

Appendix C – C-141 Form and NMOCD Correspondence

Appendix D – Photographic Documentation

Appendix E – Previously Submitted Closure Report



**Figures:**

- 1 - Location Map
- 2 - Topographic Map
- 3 - Karst Map
- 4 - Pre-2017 Site Map
- 5 - Post-2017 Site Map

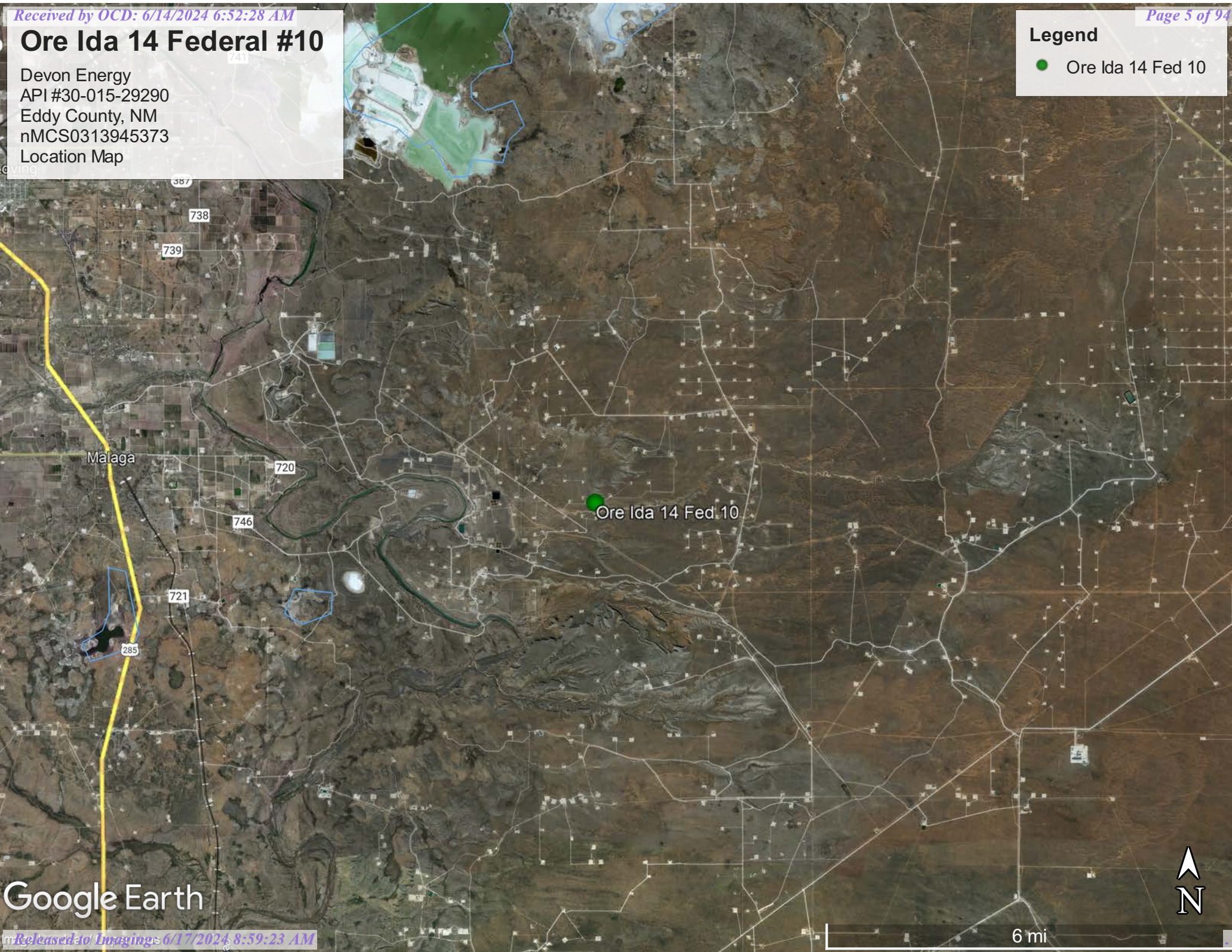


# Ore Ida 14 Federal #10

Devon Energy  
API #30-015-29290  
Eddy County, NM  
nMCS0313945373  
Location Map

## Legend

● Ore Ida 14 Fed 10



Google Earth

6 mi

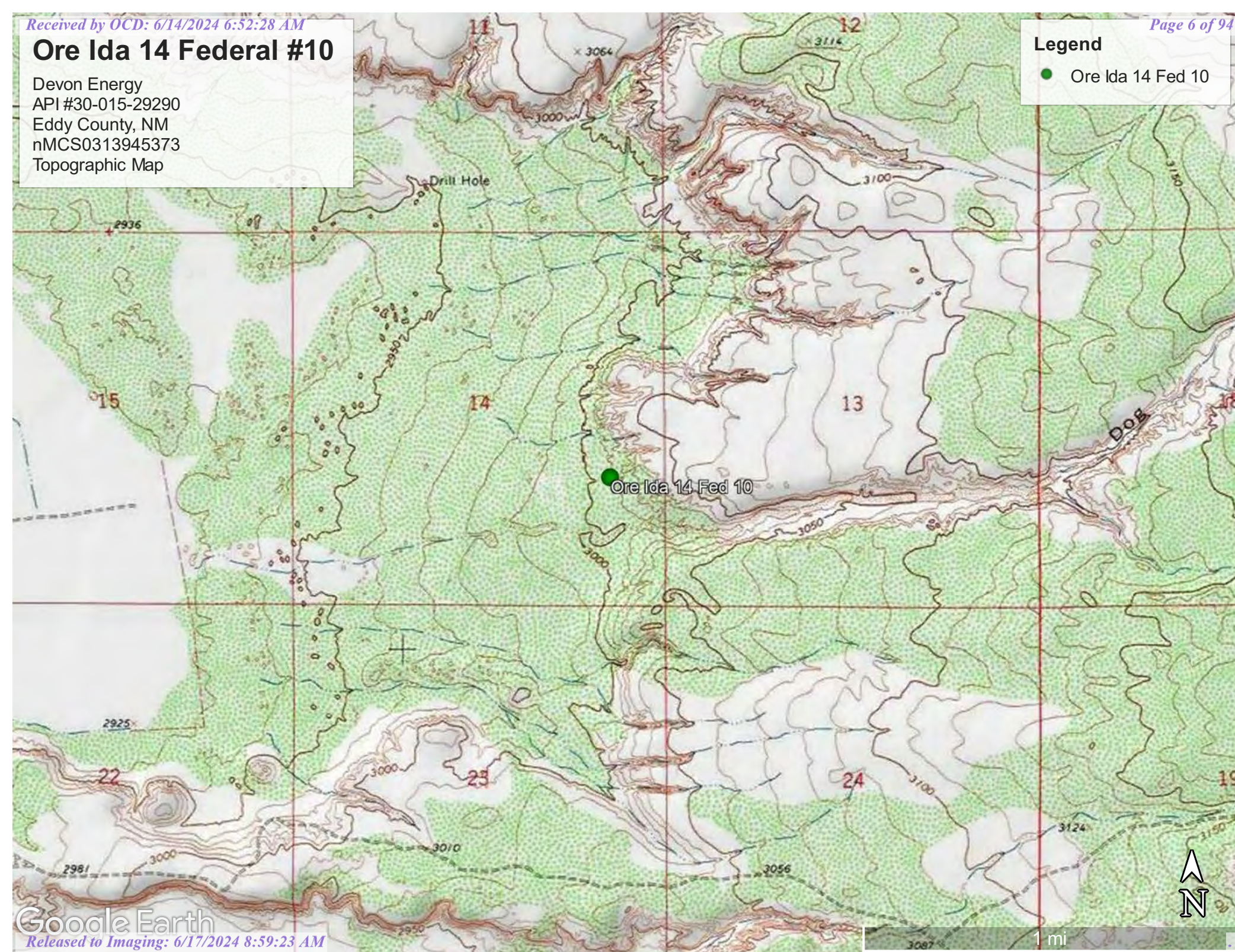


# Ore Ida 14 Federal #10

Devon Energy  
API #30-015-29290  
Eddy County, NM  
nMCS0313945373  
Topographic Map

## Legend

● Ore Ida 14 Fed 10








# Ore Ida 14 Federal #10

Devon Energy  
API #30-015-29290  
Eddy County, NM  
nMCS0313945373  
Karst Map

## Legend

-  High Karst
-  Low Karst
-  Medium Karst

Ore Ida 14 Fed 10



1 mi



Google Earth

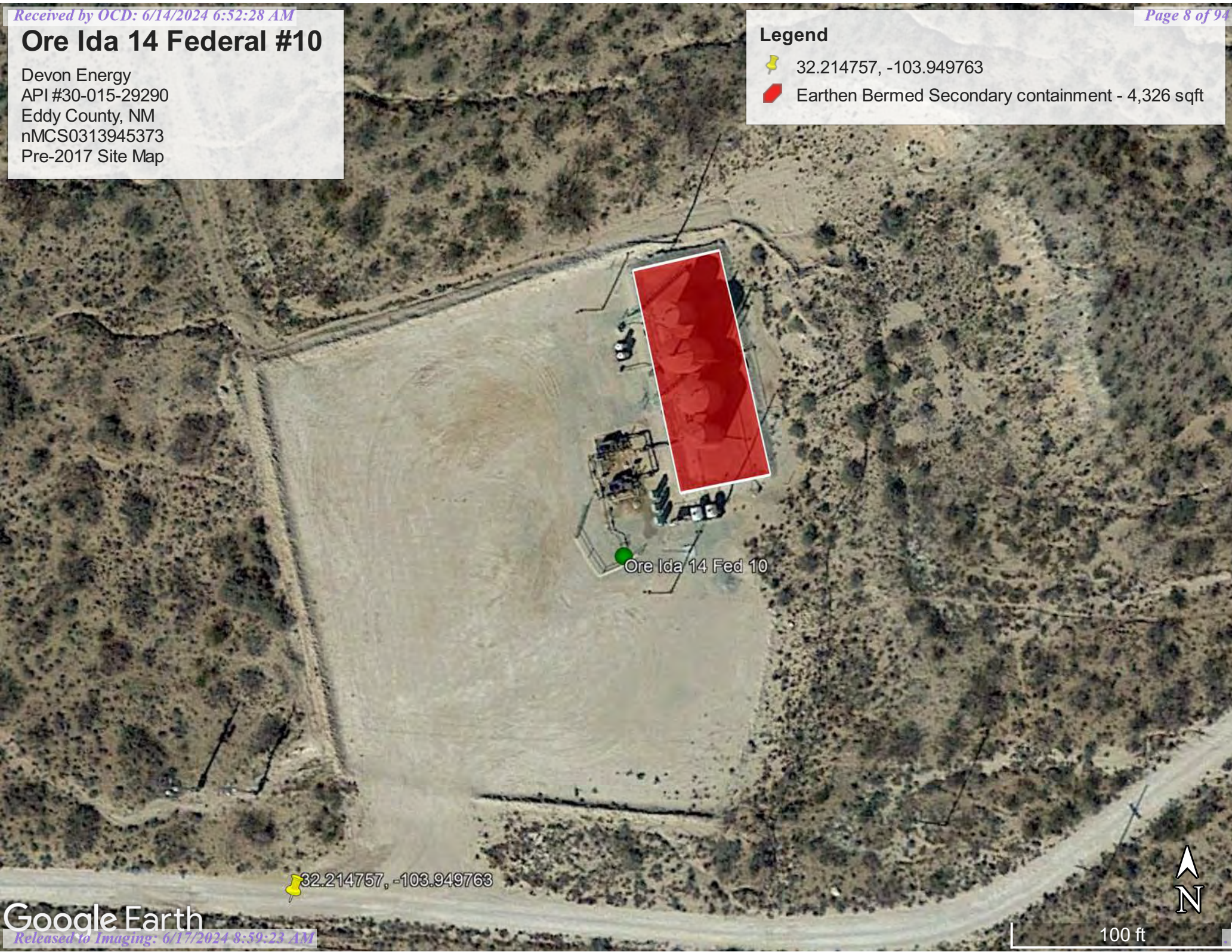


# Ore Ida 14 Federal #10


Devon Energy  
API #30-015-29290  
Eddy County, NM  
nMCS0313945373  
Pre-2017 Site Map

## Legend

-  32.214757, -103.949763
-  Earthen Bermed Secondary containment - 4,326 sqft



Ore Ida 14 Fed 10

 32.214757, -103.949763



100 ft



Google Earth




## Ore Ida 14 Federal #10

Devon Energy  
API #30-015-29290  
Eddy County, NM  
nMCS0313945373  
Post-2017 Site Map

### Legend

-  32.214757, -103.949763
-  Lined, Secondary containment - 2,951 sqft

Ore Ida 14 Fed 10

 32.214757, -103.949763

Google Earth



100 ft





## **Appendix A**

### Referenced Water Surveys:

OSE

USGS

Surface Water Map

Wetlands Map

Fema Flood Map



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,  
O=orphaned,  
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)  
(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">C 04794 POD1</a>		CUB	ED	1	1	3	13	24S	29E	599336	3564889	353			
<a href="#">C 04778 POD2</a>		CUB	ED	2	3	1	15	24S	29E	596415	3565355	2650	40	18	22
<a href="#">C 04778 POD1</a>		CUB	ED	1	3	1	15	24S	29E	596200	3565247	2840	40	18	22
Average Depth to Water:														18 feet	
Minimum Depth:														18 feet	
Maximum Depth:														18 feet	

Record Count: 3

### UTMNAD83 Radius Search (in meters):

Easting (X): 599001

Northing (Y): 3564774.22

Radius: 3000

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

6/7/24 7:52 AM

WATER COLUMN/ AVERAGE DEPTH TO  
WATER



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) <del>C-4796</del> <b>C-04794</b> <i>POD1</i>		WELL TAG ID NO.		OSE FILE NO(S). <del>C-4796</del> <b>C-04794</b>		
	WELL OWNER NAME(S) DEVON ENERGY RESOURCES				PHONE (OPTIONAL) 405-318-4697		
	WELL OWNER MAILING ADDRESS 205 E BENDER ROAD # 150				CITY STATE ZIP HOBBS NM 88240		
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 12	SECONDS 58.392 N	• ACCURACY REQUIRED: ONE TENTH OF A SECOND • DATUM REQUIRED: WGS 84		
		LONGITUDE -103	56	45.1608 W			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE CORRAL DRAW AQH FEDERAL # 001							
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1184		NAME OF LICENSED DRILLER RUSSELL SOUTHERLAND		NAME OF WELL DRILLING COMPANY WEST TEXAS WATER WELL SERVICE		
	DRILLING STARTED 1/19/2024		DRILLING ENDED 1/19/2024		DEPTH OF COMPLETED WELL (FT) 55		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)		DEPTH WATER FIRST ENCOUNTERED (FT) N/A				
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD		ADDITIVES – SPECIFY:				
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY:						
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
				NO CASING IN HOLE			
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	METHOD OF PLACEMENT
				N/A			

WR-20 WELL RECORD & LOG (Version 04/30/19)

FOR OSE INTERNAL USE		FILE NO. <b>C-04794</b>		POD NO.	TRN NO. <b>754018</b>
LOCATION <b>24S. 29E. 13. 113</b>			WELL TAG ID NO.		PAGE 1 OF 2



#### 4. HYDROGEOLOGIC LOG OF WELL

**FOR OSE INTERNAL USE**



## OSE POD Location Map



5/31/2024, 9:27:50 AM

GIS WATERS PODs



Pending



Plugged



OSE District Boundary



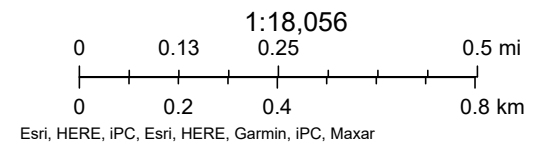
Artesian Planning Area

NHD Flowlines

Artificial Path

Stream River

Water Right Regulations





[USGS Home](#)  
[Contact USGS](#)  
[Search USGS](#)

## National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for the Nation

 Important: [Next Generation Monitoring Location Page](#)

### Search Results -- 1 sites found

site\_no list =

- 321205103544701

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

### USGS 321205103544701 24S.30E.19.42113

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°12'05", Longitude 103°54'47" NAD27

Land-surface elevation 3,188 feet above NAVD88

The depth of the well is 452 feet below land surface.

This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

#### Output formats

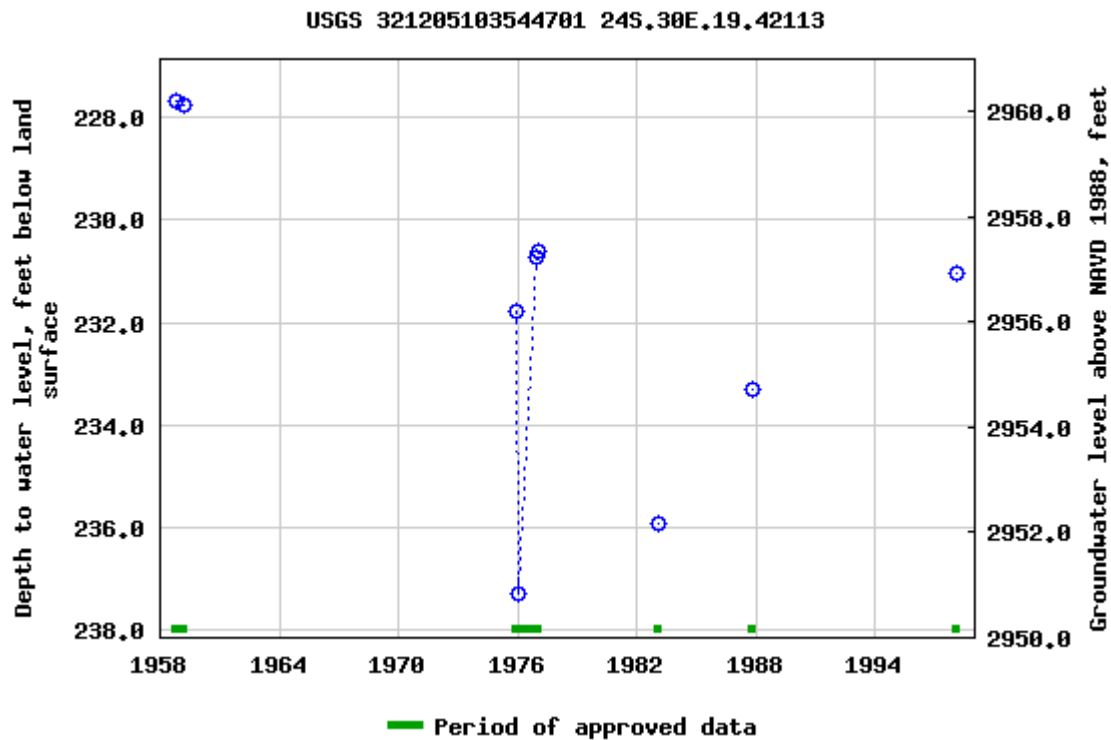
[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)





Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

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**Title: Groundwater for USA: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>**



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2024-05-31 10:29:59 EDT

0.61 0.5 nadww01



## National Water Information System: Mapper





# Ore Ida 14 Federal #10

Devon Energy  
API #30-015-29290  
Eddy County, NM  
nMCS0313945373  
Surface Water Map

## Legend

- 1.92 Miles
- Pecos River

Pecos River

Ore Ida 14 Fed 10



4000 ft





## Wetlands Map



May 31, 2024

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

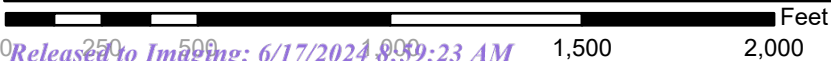
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



# National Flood Hazard Layer FIRMette



103°57'16"W 32°13'9"N



1:6,000

103°56'38"W 32°12'39"N

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/31/2024 at 10:33 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.





## **Appendix B**

Soil Survey

Soil Map

Geologic Unit Map

Map Unit Description: Kermit-Berino fine sands, 0 to 3 percent slopes---Eddy Area, New Mexico

---

## Eddy Area, New Mexico

### KM—Kermit-Berino fine sands, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1w4q

*Elevation:* 3,100 to 4,200 feet

*Mean annual precipitation:* 10 to 14 inches

*Mean annual air temperature:* 60 to 64 degrees F

*Frost-free period:* 190 to 230 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Kermit and similar soils:* 50 percent

*Berino and similar soils:* 35 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Kermit

##### Setting

*Landform:* Plains, alluvial fans

*Landform position (three-dimensional):* Talf, rise

*Down-slope shape:* Convex, linear

*Across-slope shape:* Linear

*Parent material:* Mixed alluvium and/or eolian sands

##### Typical profile

*H1 - 0 to 7 inches:* fine sand

*H2 - 7 to 60 inches:* fine sand

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Excessively drained

*Runoff class:* Negligible

*Capacity of the most limiting layer to transmit water (Ksat):* Very high (20.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Maximum salinity:* Nonsaline (0.0 to 1.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 1.0

*Available water supply, 0 to 60 inches:* Low (about 3.1 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7e

*Hydrologic Soil Group:* A

*Ecological site:* R070BD005NM - Deep Sand

*Hydric soil rating:* No

Map Unit Description: Kermit-Berino fine sands, 0 to 3 percent slopes---Eddy Area, New Mexico

---

## Description of Berino

### Setting

*Landform:* Plains, fan piedmonts  
*Landform position (three-dimensional):* Riser  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Mixed alluvium and/or eolian sands

### Typical profile

*H1 - 0 to 17 inches:* fine sand  
*H2 - 17 to 50 inches:* fine sandy loam  
*H3 - 50 to 58 inches:* loamy sand

### Properties and qualities

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.60 to 2.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 40 percent  
*Maximum salinity:* Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 1.0  
*Available water supply, 0 to 60 inches:* Moderate (about 7.2 inches)

### Interpretive groups

*Land capability classification (irrigated):* 4e  
*Land capability classification (nonirrigated):* 7e  
*Hydrologic Soil Group:* B  
*Ecological site:* R070BD003NM - Loamy Sand  
*Hydric soil rating:* No

## Minor Components

### Active dune land

*Percent of map unit:* 15 percent  
*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Eddy Area, New Mexico  
Survey Area Data: Version 19, Sep 7, 2023

Map Unit Description: Stony and Rough broken land---Eddy Area, New Mexico

---

## Eddy Area, New Mexico

### SR—Stony and Rough broken land

#### Map Unit Composition

*Stony and rough broken land: 100 percent*

*Estimates are based on observations, descriptions, and transects of the mapunit.*

## Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023

Soil Map—Eddy Area, New Mexico



Natural Resources  
Conservation Service


Web Soil Survey  
National Cooperative Soil Survey

6/7/2024  
Page 1 of 3


## Soil Map—Eddy Area, New Mexico

## MAP LEGEND

## Area of Interest (AOI)

 Area of Interest (AOI)

## Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

## Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

## Water Features



Streams and Canals

## Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

## Background



Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020





The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KM	Kermit-Berino fine sands, 0 to 3 percent slopes	2.1	68.9%
SR	Stony and Rough broken land	0.9	31.1%
Totals for Area of Interest		3.0	100.0%



### Legend

-  Alluvium
-  Eolian and piedmont deposits
-  Older alluvial deposits of upland plains, piedmont areas, calcic soils, eolian cover sediments of High Plains region
-  Piedmont alluvial deposits

## Ore Ida 14 Federal #10

Devon Energy  
API #30-015-29290  
Eddy County, NM  
nMCS0313945373  
Geologic Unit Map

Ore Ida 14 Fed 10



1 mi

Google Earth





## **Appendix C**

C-141 Form

NMOCD Correspondence

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 Department

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	nMCS0313945373
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party Devon Energy Production, LP	OGRID 6137
Contact Name Dale Woodall	Contact Telephone 575-748-0167
Contact email Dale.Woodall@dvn.com	Incident # (assigned by OCD) nMCS0313945373
Contact mailing address 6488 Seven Rivers HWY, Artesia, NM 88210	

### Location of Release Source

Latitude 32.2152138 Longitude -103.9494476  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Ore Ida 14 Federal #10	Site Type Salt Water Disposal
Date Release Discovered 5/19/2003	API# (if applicable) 30-015-29290

Unit Letter	Section	Township	Range	County
I	14	24S	29E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) Unknown	Volume Recovered (bbls) Unknown
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release SWD pump starting contacts malfunctioned and did not start the pump. Water tank high-leveled. Lease operator did not receive call out for this location. Water tank ran over. Spill was contained on location by burm. Vacuum truck was called to pick up water. Will mix fertilizer in affected area.

Incident ID	nMCS0313945373
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

### Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.	
Printed Name: <u>Dale Woodall</u>	Title: <u>EHS Professional</u>
Signature: _____	Date: <u>6/7/2024</u>
email: <u>Dale.Woodall@dvn.com</u>	Telephone: <u>575-748-0167</u>
<b><u>OCD Only</u></b> Received by: _____ Date: _____	

Incident ID	nMCS0313945373
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>51-100</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

### **Characterization Report Checklist:** *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	nMCS0313945373
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Dale Woodall Title: EHS Professional

Signature: \_\_\_\_\_ Date: 6/7/2024

email: Dale.Woodall@dvn.com Telephone: 575-748-0167

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nMCS0313945373
District RP	
Facility ID	
Application ID	

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Dale Woodall Title: EHS Professional  
Signature: \_\_\_\_\_ Date: 6/7/2024  
email: Dale.Woodall@dvn.com Telephone: 575-748-0167

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

OCD Permitting

Home    Searches    Incidents    Incident Details

NMCS0313945373 2003 A INIT @ 30-015-29290

General Incident Information

Site Name:	
Well:	<a href="#">[30-015-29290]</a> ORE IDA 14 FEDERAL #010
Facility:	
Operator:	<a href="#">[6137]</a> DEVON ENERGY PRODUCTION COMPANY, LP
Status:	Closure Not Approved, Pending submission of C-141 from the operator
Type:	Severity:
	Surface Owner: Federal
District: Artesia	County: Eddy (15)
Incident Location:	I-14-24S-29E    1780 FSL    860 FEL
Lat/Long:	32.2152138,-103.9494476 NAD83
Directions:	

Notes

Source of Referral:	Industry Rep	Action / Escalation:	Referred to Environmental Inspector
Resulted In Fire:	<input type="checkbox"/>	Resulted In Injury:	<input type="checkbox"/>
Endangered Public Health:	<input type="checkbox"/>	Will or Has Reached Watercourse:	<input type="checkbox"/>
Fresh Water Contamination:	<input type="checkbox"/>	Property Or Environmental Damage:	<input type="checkbox"/>

Contact Details

Contact Name:	Contact Title:
---------------	----------------

Quick Links

- [General Incident Information](#)
- [Materials](#)
- [Events](#)
- [Orders](#)
- [Action Status](#) ↗

Associated Images

- Incident Files (0)
- [Well Files \(45\)](#)

New Searches

- [New Facility Search](#) ↗
- [New Incident Search](#) ↗
- [New Operator Search](#) ↗
- [New Pit Search](#) ↗
- [New Spill Search](#) ↗
- [New Tank Search](#) ↗
- [New Well Search](#) ↗

Incident Dates

Type	Action	Received	Denied	Approved
Remediation Closure Report Extension		08/15/2018		08/15/2018

Compositional Analysis of Vented and/or Flared Natural Gas

No Compositional Analysis Found

Incident Materials

No Materials Found

Incident Events

Date	Detail
05/19/2003	SWD pump starting contacts malfunctioned and did not start the pump. Water tank high leveled. Lease operator did not receive call out for this location. Water tank ran over. Spill was contained on location by burn. Vacuum truck was called to pick up water. Will mix fertilizer in affected area.

Incident Severity

Major release as defined by 19.15.29.7(A) NMAC?

☐ Yes☒ No

Incident Corrective Actions

No initial response data was found for this incident.



Searches    Operator Data    Hearing Fee Application

No remediation closure report data was found for this incident.

No reclamation report data was found for this incident.

No re-vegetation report data was found for this incident.

Orders

No Orders Found



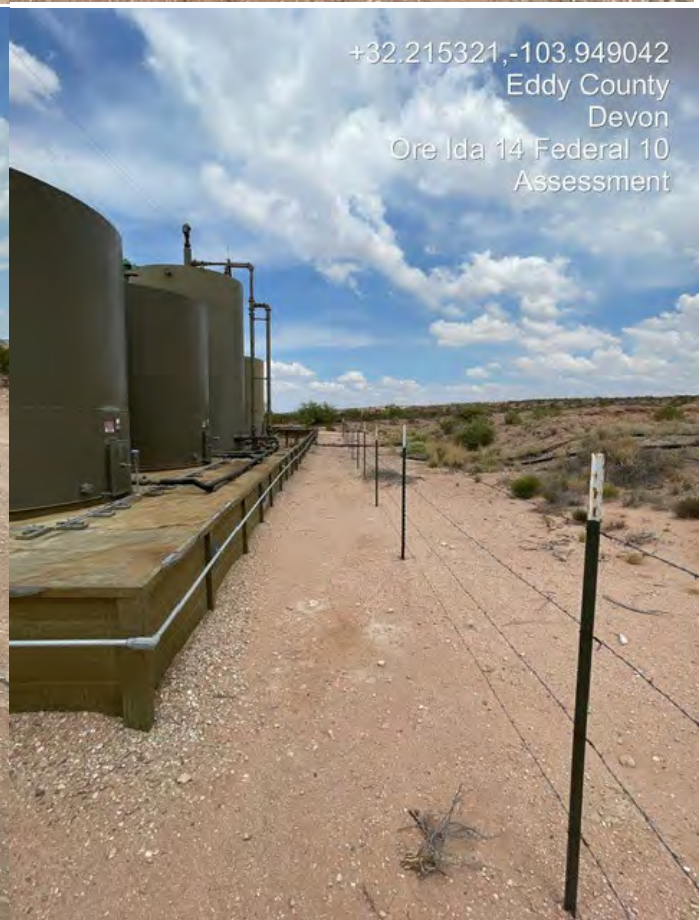
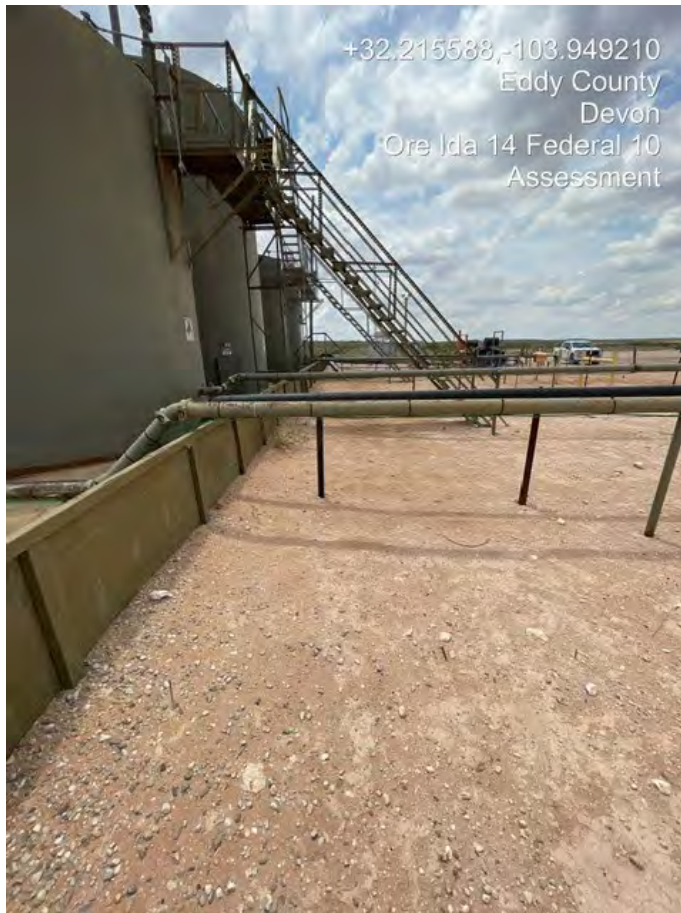
## **Appendix D**

### Photographic Documentation















## **Appendix E**

Previously Submitted Closure Report

talonlpe.com • 866.742.0742



**Closure Report**

Ore Ida 14 Federal #10 SWD

|30-015-29290|2RP-3222 & 2RP-4123|

**Prepared For:**

Devon Energy Production

6488 Seven Rivers Hwy

Artesia, New Mexico 88210

**Prepared By:**

TALON/LPE

408 W. Texas Avenue

Artesia, New Mexico 88210

**July 11, 2017**



Mr. Mike Shoemaker  
**Devon Energy Corporation**  
6488 Seven Rivers Hwy.  
Artesia, New Mexico 88210

Subject: **Closure Report**  
Ore Ida 14 Federal #10 SWD  
[30-015-29290] 2RP-3222 & 2RP-4123]

Dear Mr. Shoemaker,

Devon Energy Corporation (Devon) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remediation activities and closure request are submitted herein.

### Site Information

The Ore Ida 14 Federal #10 is located approximately twenty-six (26) miles southeast of Carlsbad, New Mexico. The legal location for this release is Unit Letter I, Section 14, Township 24 South and Range 29 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.2152138 North and -103.9494476 West. A site plan is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Kermit-Berino fine sands with 0 to 3 percent slopes. Drainage courses in this area are normally dry.

### Ground Water and Site Ranking

The New Mexico Office of the State Engineer (NMOSE) Water Rights Reporting System indicates that groundwater in the project vicinity is 150-feet below ground surface (BGS). See [Appendix II](#) for the referenced groundwater data.

Therefore the ranking for this site is a **0** based on the following:

Depth to ground water	>100'
Wellhead Protection Area	>1000'
Distance to surface water body	>1000'

Based upon the site ranking of **0**, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, 5,000 mg/kg for TPH and the recommended guideline for Total Chlorides is 1,000 mg/kg.

### Incident Description

2RP-3222: A tank overflow resulted in the loss of approximately 85bbls of produced water into the lined tank battery. Approximately 60bbls of fluid were recovered. All fluid remained inside of the lined containment.

2RP-4123: A lightning strike resulted in the release of approximately 123bbls of produced water into the lined containment and onto the location. Approximately 120bbls of produced water were recovered. All of the fluid remained on the location.

Talon mobilized personnel to conduct a site assessment and perform soil sampling within the impacted area on the location utilizing a hand auger. Upon receipt of analytical results from this soil sampling event it was determined that further vertical delineation would be required. Subsequently Talon mobilized a backhoe and achieved vertical chloride delineation goals at sample location S-2. A geoprobe was mobilized to the site in order to vertically delineate sample locations S-1 and S-3.

Following completion of the vertical delineation at this site a remediation plan to address the impacts on the location was developed. In an effort to minimize down time, demolition (in preparation for reconstruction) of the tank battery took place in conjunction with the remediation of the impacted area on the location.

After the battery infrastructure was removed (tanks, liner, etc) the soil and berms directly beneath the battery area were excavated. Bottom and sidewall confirmation soil samples were taken in order to ensure that the liner was not compromised.

The results of the soil sampling events are summarized in the tables below. See [Appendix V](#) for complete report of laboratory results.



## Laboratory Results

### March 23, 2014 Hand Auger Sampling

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	0	<0.300	1440*	<10.0	24.2
S-1	1	--	976*	--	--
S-1	2	--	1070*	--	--
S-1	3	--	656*	--	--
S-1	4	--	512*	--	--
S-1	5	--	368*	--	--
S-2	0	<0.300	14000*	<10.0	<10.0
S-2	1	--	2320*	--	--
S-2	2	--	992*	--	--
S-2	3	--	816*	--	--
S-2	4	--	1040*	--	--
S-2	5	--	864*	--	--
S-3	0	<0.300	16000*	<10.0	<10.0
S-3	1	--	2960*	--	--
S-3	2	--	5200*	--	--
S-3	3	--	4800*	--	--
S-3	4	--	4000*	--	--
S-3	5	--	2840*	--	--
S-4	0	--	160*	--	--
S-5	0	--	160*	--	--
S-6	0	--	32*	--	--

### April 28, 2017 Backhoe Delineation

Sample ID	Depth (feet)	Chlorides (mg/kg)
S-1	6	1418
S-1	8	1418
S-1	10	850
S-1	12	496
S-1	14	709
S-2	6	1170*
S-2	8	864*
S-2	10	1120*
S-2	12	336*
S-2	14	160*
S-3	6	709
S-3	8	1205
S-3	10	1205
S-3	12	1063

## May 16, 2017 Geoprobe Delineation

Sample ID	Depth (feet)	Chlorides (mg/kg)
S-1	15	1,134
S-1	20	2410
S-1	25	567
S-1	30	32*
S-3	15	463
S-3	20	709
S-3	25	425
S-3	30	283
S-3	38	32*

## June 16, 2017 Confirmation Samples of Battery Area

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-7 Bottom	0.5	--	464*	--	--
S-7 Bottom	1	<0.300	336*	<10.0	<10.0
S-8 N. Sidewall	Sidewall	--	575*	--	--
S-9 E. Sidewall	Sidewall	--	336*	--	--
S-10 S. Sidewall	Sidewall	--	960*	--	--

(--) Analyte Not Tested

(\*) Laboratory Chloride Confirmation

Based upon the site ranking of **0**, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, 5,000 mg/kg for TPH and the recommended guideline for Total Chlorides is 1,000 mg/kg

### Remedial Actions Taken

- The area in the vicinity of sample location S-1 was excavated to a depth of 1-foot BGS.
- The area in the vicinity of sample location S-2 was excavated to a depth of 2-feet BGS.
- The impacted area in the vicinity of sample location S-3 was excavated to a depth of 4-feet BGS. A 20-mil reinforced liner padded with felt was installed at the bottom of the excavation in order to encapsulate the remaining chloride impacts.
- Following removal of the tank battery infrastructure the old tank battery berms were removed and the soil directly beneath the tank battery was scrapped to a depth of 0.5 to 1-foot BGS in order to remove any remaining gravel or debris from the demolition.
- Confirmation soil samples were taken from the bottom and sidewalls of the battery area to ensure that the liner had not been breached as a result of the lightning strike. Analytical results were below NMOCD RRAL's.
- All of the excavated material was hauled to an NMOCD approved solid waste disposal facility.
- Upon NMOCD & BLM review and approval of confirmation soil sampling results, the excavated areas were backfilled with caliche and contoured to match the surrounding location.

## Closure


On behalf of Devon Energy Company we respectfully request that no further actions be required at this site and that closure of the two open RP's (2RP-3222 & 2RP-4123) be granted.

If we can provide additional information or be of further assistance, please contact our office at (575)-746-8768.

Respectfully submitted,

TALON/LPE

  
Sheldon Hitchcock  
Project Manager

  
David J. Adkins  
District Manager

## Attachments

Appendix I	Site Plan
Appendix II	Groundwater Data
Appendix III	Initial C-141(s)
Appendix IV	Final C-141(s)
Appendix V	Laboratory Results

# APPENDIX I




## SITE PLAN

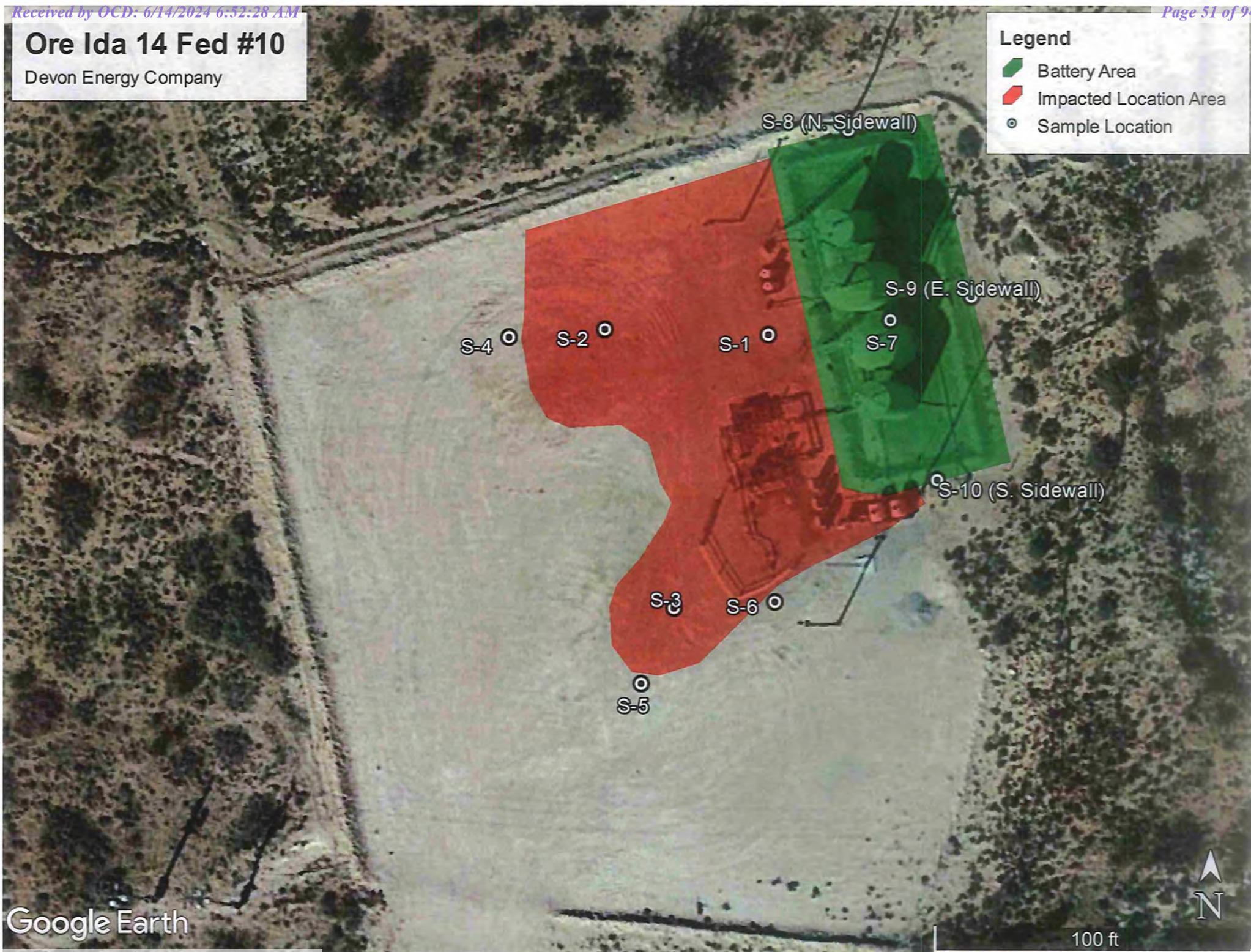


# Ore Ida 14 Fed #10

Devon Energy Company

## Legend

-  Battery Area
-  Impacted Location Area
-  Sample Location



Google Earth

## APPENDIX II

# GROUNDWATER DATA





# NEW MEXICO Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the  
POD suffix indicates the  
POD has been replaced  
& no longer serves a  
water right file.)

(R=POD has  
been replaced,  
O=orphaned,  
C=the file is  
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)  
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 02109</a>			ED	1	2	4	19	24S	30E	602130	3563412	3375	130	150	-20
<a href="#">C 02108</a>			ED		1	3	08	24S	30E	602702	3566487*	3994	200	186	14

Average Depth to Water: 168 feet  
Minimum Depth: 150 feet  
Maximum Depth: 186 feet

Record Count: 2

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (In meters):

Easting (X): 599067      Northing (Y): 3564830      Radius: 4000



## APPENDIX III

### INITIAL C-141(s)

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

## NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-141  
Revised August 8, 2011

AUG 25 2015

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

RECEIVED

## Release Notification and Corrective Action

NAB1523931622

## OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Devon Energy Production	Contact	Daniel Suniga
Address	6488 Seven Rivers Hwy Artesia, NM 88220	Telephone No.	575-390-5850
Facility Name	Ore Ida 14 Fed 10	Facility Type	Oil

Surface Owner	Federal	Mineral Owner	Federal	API No.	30-015-29290
---------------	---------	---------------	---------	---------	--------------

## LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	14	24S	29E	1980	South	660	East	Eddy

Latitude: N 32°21'53.45"

Longitude: W 103°94'90.29"

## NATURE OF RELEASE

Type of Release Spill Produced Water and Oil	Volume of Release 85 bbls	Volume Recovered 60 bbls
Source of Release Pump malfunction	Date and Hour of Occurrence 8/21/2015 @ 10:41 PM	Date and Hour of Discovery 8/21/2015 @ 10:41 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? BLM OCD	
By Whom? David Simmons	Date and Hour August 21, 2015 @ 11:26 PM August 21, 2015 @ 11:31 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse	

If a Watercourse was Impacted, Describe Fully.\*

## Describe Cause of Problem and Remedial Action Taken.\*

Lease operator arrived at location and discovered that the water tank was over flowing causing an 85 bbl produced water and oil spill into lined containment. The pump was reset and within a minute the tank stopped from over flowing. Black River Trucking was called out and they were able to recover 60 bbls of produced water and oil.

## Describe Area Affected and Cleanup Action Taken.\*

Black River Trucking was called out and they were able to recover 60 bbls of produced water and oil. Environmental agency will be contacted for cleanup.

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.

Signature: <i>Corina Moya</i>		<u>OIL CONSERVATION DIVISION</u>	
Printed Name: <b>Corina Moya</b>		Signed By <i>M. A. [Signature]</i>	
Title: <b>Field Admin Support</b>		Approved by Environmental Specialist:	
E-mail Address: <b>corina.moya@dmv.com</b>		Approval Date: <i>8/27/15</i>	Expiration Date: <i>N/A</i>
Date: <b>8/25/2015</b> Phone: <b>575.746.5559</b>		Conditions of Approval:	
		mediation per O.C.D. Rules & Guidelines	
		Attached <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary

100.3222



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

## NM OIL CONSERVATION

ARTESTA DISTRICT

FEB 22 2017

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

RECEIVED

## Release Notification and Corrective Action

**NA B1705246718**

<b>OPERATOR</b>		<input checked="" type="checkbox"/> Initial Report	<input type="checkbox"/> Final Report
<b>Name of Company</b> Devon Energy Production <i>10137</i>		<b>Contact</b> Wesley Ryan, Production Foreman	
<b>Address</b> 6488 Seven Rivers Hwy Artesia, NM 88220		<b>Telephone No.</b> 575-390-5436	
<b>Facility Name</b> Ore Ida 14 Federal 10		<b>Facility Type</b> SWD	
<b>Surface Owner</b> Federal		<b>Mineral Owner</b> Federal	
		<b>API No.</b> 30-015-29290	

## LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County:
I	14	24S	29E	1780	FSL	860	FEL	Eddy

Latitude: 32.2152138 Longitude: -103.9494476

## NATURE OF RELEASE

<b>Type of Release</b> Produced Water	<b>Volume of Release</b> 123 BBLs	<b>Volume Recovered</b> 120 BBLs
<b>Source of Release</b> Gun Barrel	<b>Date and Hour of Occurrence</b> 2-13-2017 @ 2:30 pm	<b>Date and Hour of Discovery</b> 2-13-2017 @ 2:30 pm
<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> BLM- Shelly Tucker OCD-Mike Bratcher	
<b>By Whom?</b> Wesley Ryan, Production Foreman	<b>Date and Hour</b> BLM- Shelly Tucker-2-14-2017 @6:30AM OCD-Mike Bratcher-2-14-2017 @8:04AM	
<b>Was a Watercourse Reached?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>If YES, Volume Impacting the Watercourse</b> N/A	
<b>If a Watercourse was Impacted, Describe Fully.*</b> N/A		

## Describe Cause of Problem and Remedial Action Taken.\*

The SWD was struck by lightning resulting in a fire and a release of 123 BBLs of produced water. The valves were shut and power lines to the facility were immediately turned off to prevent further release. The local fire depart was called to ensure the fire was extinguished. The facility did have lightning protection installed on it.

## Describe Area Affected and Cleanup Action Taken.\*

123 BBLs of produced water were released when lighting struck the SWD, causing the water tanks to release fluid. Vacuum trucks were dispatched and recovered 120 BBLs of produced water. A remediation contractor will be contacted to complete remediation activities.

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> <i>Dana DeLaRosa</i>	<b>OIL CONSERVATION DIVISION</b>	
<b>Printed Name:</b> Dana DeLaRosa	<b>Approved by Environmental Specialist:</b> <i>[Signature]</i>	
<b>Title:</b> Field Admin Support	<b>Approval Date:</b> 2/21/17	<b>Expiration Date:</b> N/A
<b>E-mail Address:</b> Dana.Delarosa@dvn.com	<b>Conditions of Approval:</b> <i>See attached</i>	
<b>Date:</b> <b>Phone:</b> 575.746.5594	<b>Attached</b> <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary

22P-4123

# APPENDIX IV

## FINAL C-141(s)



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Received by OCD: 6/14/2024 6:52:28 AM  
Released to Imaging: 6/17/2024 8:59:23 AM

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

Form C-141  
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Devon Energy Company	Contact Mike Shoemaker
Address 6488 Seven Rivers Hwy. Artesia, NM 88210	Telephone No. 575-746-5566
Facility Name Ore Ida 14 Federal #10	Facility Type SWD

Surface Owner BLM	Mineral Owner Federal	API No. 30-015-29290
-------------------	-----------------------	----------------------

LOCATION OF RELEASE

Unit Letter I	Section 14	Township 24S	Range 29E	Feet from the 1780	North/South Line South	Feet from the 860	East/West Line East	County Eddy
------------------	---------------	-----------------	--------------	-----------------------	---------------------------	----------------------	------------------------	----------------

Latitude 32.2152138 Longitude -103.9494476 NAD83

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 85bbbls	Volume Recovered 60bbbls
Source of Release Transfer Pump	Date and Hour of Occurrence 8/21/2015 @ 10:41 pm	Date and Hour of Discovery 8/21/2015 @ 10:41 pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? BLM, OCD	
By Whom? David Simmons	Date and Hour August 21, 2015 @ 11:26 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

A lease operator arrived at location and discovered that the water tank was over flowing causing an 85 bbl spill into the lined containment. The pump was reset and the tanks stopped over flowing. Vacuum trucks were utilized to recover the standing fluid within the battery.

Describe Area Affected and Cleanup Action Taken.\*

The release was contained to the well pad. The facility infrastructure was removed. Remediation activities were carried out in accordance with NMOCD guidelines. Upon NMOCD approval of confirmation sample results, the excavation was backfilled and contoured to match the surrounding location. A closure report detailing remediation activities is provided.

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.

		<u>OIL CONSERVATION DIVISION</u>	
Signature:		Approved by Environmental Specialist:	
Printed Name: Mike Shoemaker			
Title: EHS Representative		Approval Date:	Expiration Date:
E-mail Address: Mike.Shoemaker@dvn.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: 7/11/2017                      Phone: 575-746-5566			

\* Attach Additional Sheets If Necessary

2RP-3222

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Received by OGD: 6/14/2024 6:52:28 AM  
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District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
311 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

Form C-141  
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Devon Energy Company	Contact Mike Shoemaker
Address 6488 Seven Rivers Hwy. Artesia, NM 88210	Telephone No. 575-746-5566
Facility Name Ore Ida 14 Federal #10	Facility Type SWD

Surface Owner BLM	Mineral Owner Federal	API No. 30-015-29290
-------------------	-----------------------	----------------------

LOCATION OF RELEASE

Unit Letter I	Section 14	Township 24S	Range 29E	Feet from the 1780	North/South Line South	Feet from the 860	East/West Line East	County Eddy
------------------	---------------	-----------------	--------------	-----------------------	---------------------------	----------------------	------------------------	----------------

Latitude 32.2152138 Longitude -103.9494476 NAD83

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 123bbls	Volume Recovered 120bbls
Source of Release Lightning strike	Date and Hour of Occurrence 2/13/2017 @ 2:30 pm	Date and Hour of Discovery 2/13/17 @ 2:30 pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? BLM-Shelly Tucker OCD-Mike Bratcher	
By Whom? Wesley Ryan, Production Foreman	Date and Hour BLM-Shelly Tucker 2/14/17 @ 6:30 am OCD-Mike Bratcher 2/14/17 @ 8:04 am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

The SWD was struck by lightning resulting in a fire and a release of 123 bbls of produced water. The valves and power were immediately shut off to prevent the release of additional fluid. The local fire department responded and extinguished the fire. Vacuum trucks were dispatched to the site to recover standing fluid. They were able to recover approximately 120bbls of fluid.

Describe Area Affected and Cleanup Action Taken.\*

The release was contained to the lined facility. The facility infrastructure was removed. Confirmation soil samples were taken underneath the liner and were below NMOCD RRAL's. The impacted area on the well pad was vertically/horizontally delineated and remediated per NMOCD guidelines.

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.

		<u>OIL CONSERVATION DIVISION</u>	
Signature:		Approved by Environmental Specialist:	
Printed Name: Mike Shoemaker			
Title: EHS Representative		Approval Date:	Expiration Date:
E-mail Address: Mike.Shoemaker@dvn.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: 7/11/2017                      Phone: 575-746-5566			

\* Attach Additional Sheets If Necessary

2RP-4123



# APPENDIX V

## LABORATORY RESULTS



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

April 07, 2017

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: ORE IDA SWD

Enclosed are the results of analyses for samples received by the laboratory on 03/24/17 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	03/24/2017	Sampling Date:	03/23/2017
Reported:	04/07/2017	Sampling Type:	Soil
Project Name:	ORE IDA SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: S-1 0' (H700788-01)**

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2017	ND	1.88	93.8	2.00	0.209	
Toluene*	<0.050	0.050	03/28/2017	ND	1.82	90.8	2.00	0.238	
Ethylbenzene*	<0.050	0.050	03/28/2017	ND	1.83	91.6	2.00	0.142	
Total Xylenes*	<0.150	0.150	03/28/2017	ND	5.26	87.7	6.00	0.0853	
Total BTX	<0.300	0.300	03/28/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.8 % 72-148

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	03/27/2017	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/28/2017	ND	184	92.0	200	2.70	
DRO >C10-C28	24.2	10.0	03/28/2017	ND	193	96.5	200	2.06	

Surrogate: 1-Chlorooctane 81.4 % 25.1-158

Surrogate: 1-Chlorooctadecane 87.9 % 26.8-170

**Sample ID: S-1 1' (H700788-02)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	03/29/2017	ND	448	112	400	3.51	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	03/24/2017	Sampling Date:	03/23/2017
Reported:	04/07/2017	Sampling Type:	Soil
Project Name:	ORE IDA SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: S-1 2' (H700788-03)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	03/30/2017	ND	416	104	400	0.00	

**Sample ID: S-1 3' (H700788-04)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	04/03/2017	ND	432	108	400	3.64	

**Sample ID: S-1 4' (H700788-05)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	04/05/2017	ND	448	112	400	3.51	

**Sample ID: S-1 5' (H700788-06)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	04/07/2017	ND	432	108	400	3.64	

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 03/24/2017  
Reported: 04/07/2017  
Project Name: ORE IDA SWD  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 03/23/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S-2 0' (H700788-07)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2017	ND	1.88	93.8	2.00	0.209	
Toluene*	<0.050	0.050	03/28/2017	ND	1.82	90.8	2.00	0.238	
Ethylbenzene*	<0.050	0.050	03/28/2017	ND	1.83	91.6	2.00	0.142	
Total Xylenes*	<0.150	0.150	03/28/2017	ND	5.26	87.7	6.00	0.0853	
Total BTEX	<0.300	0.300	03/28/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 98.5 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14000	16.0	03/27/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/28/2017	ND	184	92.0	200	2.70	
DRO >C10-C28	<10.0	10.0	03/28/2017	ND	193	96.5	200	2.06	

Surrogate: 1-Chlorooctane 86.4 % 25.1-158

Surrogate: 1-Chlorooctadecane 86.8 % 26.8-170

**Sample ID: S-2 1' (H700788-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	03/29/2017	ND	432	108	400	3.64	QM-07

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 03/24/2017  
Reported: 04/07/2017  
Project Name: ORE IDA SWD  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 03/23/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S-2 2' (H700788-09)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	03/30/2017	ND	416	104	400	0.00	

**Sample ID: S-2 3' (H700788-10)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	04/03/2017	ND	432	108	400	3.64	

**Sample ID: S-2 4' (H700788-11)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	04/05/2017	ND	448	112	400	3.51	

**Sample ID: S-2 5' (H700788-12)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	04/07/2017	ND	432	108	400	3.64	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Received by OCD: 6/14/2024 6:52:28 AM  
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**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 03/24/2017  
Reported: 04/07/2017  
Project Name: ORE IDA SWD  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 03/23/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S-3 0' (H700788-13)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2017	ND	1.88	93.8	2.00	0.209		
Toluene*	<0.050	0.050	03/28/2017	ND	1.82	90.8	2.00	0.238		
Ethylbenzene*	<0.050	0.050	03/28/2017	ND	1.83	91.6	2.00	0.142		
Total Xylenes*	<0.150	0.150	03/28/2017	ND	5.26	87.7	6.00	0.0853		
Total BTEx	<0.300	0.300	03/28/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 97.3 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16000	16.0	03/27/2017	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/28/2017	ND	184	92.0	200	2.70		
DRO >C10-C28	<10.0	10.0	03/28/2017	ND	193	96.5	200	2.06		

Surrogate: 1-Chlorooctane 83.9 % 25.1-158

Surrogate: 1-Chlorooctadecane 82.1 % 26.8-170

**Sample ID: S-3 1' (H700788-14)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2960	16.0	03/29/2017	ND	432	108	400	3.64		

Cardinal Laboratories

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Received by OCD: 6/14/2024 6:52:28 AM  
Released to Imaging: 6/17/2024 8:59:23 AM



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	03/24/2017	Sampling Date:	03/23/2017
Reported:	04/07/2017	Sampling Type:	Soil
Project Name:	ORE IDA SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: S-3 2' (H700788-15)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	03/30/2017	ND	416	104	400	0.00	

**Sample ID: S-3 3' (H700788-16)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	04/03/2017	ND	432	108	400	3.64	

**Sample ID: S-3 4' (H700788-17)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	04/05/2017	ND	448	112	400	3.51	

**Sample ID: S-3 5' (H700788-18)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	04/07/2017	ND	432	108	400	3.64	

**Sample ID: S-4 0' (H700788-19)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/07/2017	ND	432	108	400	3.64	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	03/24/2017	Sampling Date:	03/23/2017
Reported:	04/07/2017	Sampling Type:	Soil
Project Name:	ORE IDA SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: S-5 0' (H700788-20)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/07/2017	ND	432	108	400	3.64	

**Sample ID: S-6 0' (H700788-21)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/07/2017	ND	432	108	400	3.64	

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager





# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 10 of 12

101 East Mariand, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: Talon/LPE		BILL TO		ANALYSIS REQUEST																								
Project Manager: D. Perkins		P.O. #:																										
Address: 408 W. Texas Ave.		Company: Talon/LPE																										
City: Artesia State: NM Zip: 88210		Attn:																										
Phone #: 575-746-8768 Fax #: 575-746-8905		Address:																										
Project #: Project Owner: Devon		City:																										
Project Name: ORC IDA SWD		State: Zip:																										
Project Location:		Phone #:																										
Sampler Name: S. HITCHCOCK		Fax #:																										
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING																	
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH	BTEX	Chloride										
	H700 7588																											
	1	5-10'	G	1			/					/		3/23/17	9:30	/	/											
	2	5-11'	G	1			/					/			9:32													
	3	5-12'	G	1			/					/			9:34													
	4	5-13'	G	1			/					/			9:36													
	5	5-14'	G	1			/					/			9:38													
	6	5-15'	G	1			/					/			9:40													
	7	5-20'	G	1			/					/			9:50	/	/											
	8	5-21'	G	1			/					/			9:52													
	9	5-22'	G	1			/					/			9:54													
	10	5-23'	G	1			/					/			9:56													

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Relinquished By:	Date:	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Sheldon Penn	Time:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	3-24-17	Imara Oldaker	STOP CLIF ≤ 250 mg/lbs	
Delivered By: (Circle One)	Time:	Sample Condition		
Sampler - UPS - Bus - Other:	15:00	Cool Intact		
		<input type="checkbox"/> Yes <input type="checkbox"/> No		
		<input type="checkbox"/> Yes <input type="checkbox"/> No		
		CHECKED BY: (Initials)		
		T.O. #15		

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: Talon/LPE		<b>BILL TO</b>								<b>ANALYSIS REQUEST</b>													
Project Manager: D. Adkins		P.O. #:																					
Address: 408 W. Texas Ave.		Company: Talon/LPE																					
City: Artesia State: NM Zip: 88210		Attn:																					
Phone #: 575-746-8768 Fax #: 575-746-8905		Address:																					
Project #: Project Owner: Devon		City:																					
Project Name: Orc Ida SWD		State: Zip:																					
Project Location:		Phone #:																					
Sampler Name: S. Hitchcock		Fax #:																					
FOR LAB USE ONLY																							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.	SAMPLING														
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE: ICE / COOL OTHER :	DATE	TIME												
H700788																							
11	5-24'	G 1	/						/	3/23/17	9:58												
12	5-25'	G 1	/						/		10:00												
13	5-30'	G 1	/						/		10:10												
14	5-31'	G 1	/						/		10:12												
15	5-32'	G 1	/						/		10:14												
16	5-33'	G 1	/						/		10:16												
17	5-34'	G 1	/						/		10:18												
18	5-35'	G 1	/						/		10:20												
19	5-40'	G 1	/						/		11:00												
20	5-50'	G 1	/						/		11:10												

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Relinquished By:		Date:	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<i>Shepherd</i>		Time:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS:	
		Time:			
Delivered By: (Circle One)		2-24	<i>Samara</i>	STOP CLIF $\leq 250$ mg/kg	
Sampler - UPS - Bus - Other:		15:00			
		2:20	Sample Condition		
			Cool Intact		
			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
			<input type="checkbox"/> Yes <input type="checkbox"/> No		
			CHECKED BY:		
			(Initials)		
			<i>TO #15</i>		





# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 12 of 12

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: Talon/LPE		BILL TO		ANALYSIS REQUEST																																																																																																																											
Project Manager:		P.O. #:		<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-family: cursive; font-size: 2em; margin-right: 10px;">Chlorides</div> <table border="1" style="width: 100%; height: 100%;"> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table> </div>																																																																																																																											
Address: 408 W. Texas Ave.		Company: Talon/LPE																																																																																																																													
City: Artesia State: NM Zip: 88210		Attn:																																																																																																																													
Phone #: 575-746-8768 Fax #: 575-746-8905		Address:																																																																																																																													
Project #: Project Owner: Devon		City:																																																																																																																													
Project Name: ore Ida SWD		State: Zip:																																																																																																																													
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Sampler Name: S. Hitchcock		Fax #:																																																																																																																													
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	MATRIX	PRESERV.	SAMPLING																																																																																																																										
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Relinquished By:	Date:	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: 3-24-17	Received By: <i>Jamara Q. [Signature]</i>	REMARKS:  STOP CI IF $\leq 250$ ms/kg	
	Time: 15:00			
Delivered By: (Circle One)				
Sampler - UPS - Bus - Other:	220	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <i>TP. HKS</i>	

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May 05, 2017

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: ORE IDA 14 FEDERAL NO. 10

Enclosed are the results of analyses for samples received by the laboratory on 04/28/17 14:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Page 74 of 94  
Received by OCD: 6/14/2024 6:52:28 AM  
Released to Imaging: 6/17/2024 8:59:23 AM



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**Analytical Results For:**

TALON LPE  
SHELDON HITCHCOCK  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	04/28/2017	Sampling Date:	04/28/2017
Reported:	05/05/2017	Sampling Type:	Soil
Project Name:	ORE IDA 14 FEDERAL NO. 10	Sampling Condition:	** (See Notes)
Project Number:	700794.218.01	Sample Received By:	Tamara Oldaker
Project Location:	ULI-14-T24S-R29E		

**Sample ID: S-2 6' (H701149-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	05/01/2017	ND	432	108	400	0.00	

**Sample ID: S-2 8' (H701149-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	05/01/2017	ND	432	108	400	0.00	

**Sample ID: S-2 10' (H701149-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	05/01/2017	ND	432	108	400	0.00	

**Sample ID: S-2 12' (H701149-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	05/01/2017	ND	432	108	400	0.00	

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

TALON LPE  
SHELDON HITCHCOCK  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	04/28/2017	Sampling Date:	04/28/2017
Reported:	05/05/2017	Sampling Type:	Soil
Project Name:	ORE IDA 14 FEDERAL NO. 10	Sampling Condition:	** (See Notes)
Project Number:	700794.218.01	Sample Received By:	Tamara Oldaker
Project Location:	ULI-14-T24S-R29E		

**Sample ID: S-2 14' (H701149-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/01/2017	ND	432	108	400	0.00	

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*Celestine D. Keene*

Celestine D. Keene, Lab Director/Quality Manager





### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: Talon/LPE		P.O. #:		ANALYSIS REQUEST																					
Project Manager: S. Hitchcock		Company: Talon/LPE																							
Address: 408 W. Texas Ave.		Attn:																							
City: Artesia State: NM Zip: 88210		Address:																							
Phone #: 575-746-8768 Fax #: 575-746-8905		City:																							
Project #: 7007441218.01 Project Owner: Devon		State: Zip:																							
Project Name: Grc Ida 14 pad #10		Phone #:																							
Project Location: I-14-245-29E		Fax #:																							
Sampler Name: S. Hitchcock																									
FOR LAB USE ONLY																									
Lab I.D.	Sample I.D.	GRAB OR (COMP. # CONTAINERS	MATRIX					PRESERV.	SAMPLING		Chlorides														
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL													OTHER:	DATE	TIME
H701149																									
1	S-2 6'	G 1			/																		/	4/24/17	11:00
2	S-2 8'	G 1			/																		/		11:10
3	S-2 10'	G 1			/						/		11:20												
4	S-2 12'	G 1			/						/		11:30												
5	S-2 14'	G 1			/						/		11:40												

**PLEASE NOTE:** Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates, or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:		Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
		Time:		Fax Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:		REMARKS:		
		Time:	Received By:			
		2:55				
Delivered By: (Circle One)			Sample Condition			
Sampler - UPS - Bus - Other:			Cool Intact			
			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
			CHECKED BY:			
			(Initials)			
			29.18			
			TO #75			





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

May 23, 2017

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: ORE IDA 14 FEDERAL NO. 10

Enclosed are the results of analyses for samples received by the laboratory on 05/22/17 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
SHELDON HITCHCOCK  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	05/22/2017	Sampling Date:	05/16/2017
Reported:	05/23/2017	Sampling Type:	Soil
Project Name:	ORE IDA 14 FEDERAL NO. 10	Sampling Condition:	** (See Notes)
Project Number:	700794.218.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: S-1 30' (H701360-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/22/2017	ND	416	104	400	0.00	

**Sample ID: S-3 38' (H701360-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/22/2017	ND	416	104	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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*Celestine D. Keene*

Celestine D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

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\*=Accredited Analyte

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Page 4 of 4

[illegible]

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Relinquished By:		Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #:
Sheldon Rm		Time:	Jodi Henson	Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS:			
		Time:		RUSH			
Delivered By: (Circle One)		Sample Condition					
Sampler - UPS - Bus - Other: #75 23.1°		Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		CHECKED BY: (Initials) JH			





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

June 19, 2017

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: ORE IDA 14 FEDERAL NO. 10

Enclosed are the results of analyses for samples received by the laboratory on 06/16/17 12:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" being more prominent.

Celey D. Keene

Lab Director/Quality Manager

Page 83 of 94  
Received by OCD: 6/14/2024 6:52:28 AM  
Released to Imaging: 6/17/2024 8:59:23 AM



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
SHELDON HITCHCOCK  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	06/16/2017	Sampling Date:	06/15/2017
Reported:	06/19/2017	Sampling Type:	Soil
Project Name:	ORE IDA 14 FEDERAL NO. 10	Sampling Condition:	Cool & Intact
Project Number:	700794.218.01	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: S-7 0.5 CONFIRM (H701569-01)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	06/16/2017	ND	400	100	400	3.92	

**Sample ID: S-7 1' (H701569-02)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/16/2017	ND	2.03	102	2.00	1.49	
Toluene*	<0.050	0.050	06/16/2017	ND	1.95	97.5	2.00	0.585	
Ethylbenzene*	<0.050	0.050	06/16/2017	ND	2.00	100	2.00	1.60	
Total Xylenes*	<0.150	0.150	06/16/2017	ND	5.41	90.2	6.00	1.67	
Total BTX	<0.300	0.300	06/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	06/16/2017	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/16/2017	ND	184	91.8	200	2.50	
DRO >C10-C28	<10.0	10.0	06/16/2017	ND	180	90.2	200	2.35	

Surrogate: 1-Chlorooctane 108 % 28.3-164

Surrogate: 1-Chlorooctadecane 96.7 % 34.7-157

Cardinal Laboratories

\*=Accredited Analyte

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
SHELDON HITCHCOCK  
408 W. TEXAS AVE,  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 06/16/2017  
Reported: 06/19/2017  
Project Name: ORE IDA 14 FEDERAL NO. 10  
Project Number: 700794.218.01  
Project Location: NOT GIVEN

Sampling Date: 06/15/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S-8 (H701569-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	06/16/2017	ND	400	100	400	3.92	

**Sample ID: S-9 (H701569-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	06/16/2017	ND	400	100	400	3.92	

**Sample ID: S-10 (H701569-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	06/16/2017	ND	400	100	400	3.92	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

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*Coley D. Keene*

Coley D. Keene, Lab Director/Quality Manager



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

101 East Mariand, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: Talon/LPE				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>														
Project Manager: <u>Sheldon Hitchcock</u>				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div>BTEX</div> <div>Chlorides</div> <div>TPH</div> <div>TCLP @ RCRA B</div> <div>Flash Point</div> <div>pH</div> </div>														
Address: 408 W. Texas Ave.				Company: Talon/LPE																		
City: Artesia State: NM Zip: 88210				Attn:																		
Phone #: 575-746-8768 Fax #: 575-746-8905				Address:																		
Project #: <u>700794.218.01</u> Project Owner: <u>Deben</u>				City:																		
Project Name: <u>Ore ID# 14 2nd #10</u>				State: Zip:																		
Project Location: <u>Eddy Cty</u>				Phone #:																		
Sampler Name: <u>Kim Wilson</u>				Fax #:																		
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING														
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE/COOL	OTHER	DATE	TIME								
<u>H-701529</u>																						
	<u>1 S-7 0.5 confirm</u>	<u>G</u>				<u>/</u>							<u>6/15/17</u>									
	<u>2 S-7 1'</u>	<u>G</u>				<u>/</u>							<u>6/14/17 11:00am</u>	<u>1</u>	<u>/</u>							
	<u>3 S-8</u>	<u>G</u>				<u>/</u>							<u>6/15/17</u>		<u>/</u>							
	<u>4 S-9</u>	<u>G</u>				<u>/</u>							<u>6/15/17</u>		<u>/</u>							
	<u>5 S-10</u>	<u>G</u>				<u>/</u>							<u>6/15/17</u>		<u>/</u>							

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and resolved by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated causes or otherwise.

Relinquished By:	Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<u>Kim Wilson</u>			Fax Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:		
	<u>6-16-17</u>	<u>Jamara [Signature]</u>	<u>Rush</u>		
	<u>12:35</u>				
Delivered By: (Circle One)	Sample Condition	CHECKED BY:			
Sampler - UPS - Bus - Other:	Cool Intact	(Initials)			
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<u>T- #75</u>			

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS  
  
Action 353972

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	353972
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nMCS0313945373
Incident Name	NMCS0313945373 ORE IDA 14 FEDERAL #010 @ 30-015-29290
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-29290] ORE IDA 14 FEDERAL #010

Location of Release Source	
Please answer all the questions in this group.	
Site Name	ORE IDA 14 FEDERAL #010
Date Release Discovered	05/05/2003
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc.   Water Tank   Produced Water   Released: 0 BBL (Unknown Released Amount)   Recovered: 0 BBL   Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.



**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 2

Action 353972

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	353972
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 06/13/2024
--	--

**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 3

Action 353972

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	353972
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS****Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	16000
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	24.2
GRO+DRO	(EPA SW-846 Method 8015M)	24.2
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	06/01/2017
On what date will (or did) the final sampling or liner inspection occur	06/16/2017
On what date will (or was) the remediation complete(d)	06/16/2017
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	10500
What is the estimated volume (in cubic yards) that will be remediated	292

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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Action 353972

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 353972
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	R360 Artesia LLC LANDFARM [FEEM0112340644]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 06/13/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	



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Action 353972

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 353972
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 353972

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	353972
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	354100
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/15/2017
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	1500

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	10500
What was the total volume (cubic yards) remediated	292
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	see this and previously submitted reports

*The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.*

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 06/13/2024
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QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No



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CONDITIONS  
  
Action 353972

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	353972
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS

Created By	Condition	Condition Date
bhall	Closure approved. A reclamation report must be submitted when the site is not longer reasonably needed for production or subsequent drilling activities.	6/17/2024
bhall	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	6/17/2024
bhall	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	6/17/2024