



# SITE ASSESSMENT AND REMEDIATION WORK PLAN

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PREPARED FOR:  
DEVON ENERGY PRODUCTION, LP.

PREPARED BY:  
PIMA ENVIRONMENTAL SERVICES, LLC.

March 20, 2025  
PIMA ENVIRONMENTAL SERVICES, LLC.  
5614 N LOVINGTON HWY, HOBBS, NM 88240



March 20, 2025

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

**RE: SITE ASSESSMENT AND REMEDIATION WORK PLAN**

**LOCATION:** Rattlesnake 16 SWD #001

**WELL API:** 30-025-42355

**GPS:** 32.0441688, -103.4826937

**INCIDENT LOCATION:** E-16-T26S-R34E

**COUNTY:** Lea

**NMOCD REF. NO.** NAB1913345254

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment and has prepared this Remediation Work Plan for a produced water release that occurred at the Rattlesnake 16 SWD #001 (Rattlesnake). The initial C-141 was submitted on April 25, 2019 (Appendix C). This incident was assigned Incident ID: NAB1913345254, by the New Mexico Oil Conservation Division (NMOCD).

**RELEASE INFORMATION**

**NAB1913345254:** On April 14<sup>th</sup>, 2019, the H-Pump shut down and caused back pressure on the expansion joint, leading to a produced water release onto the engineered pad (the spill was released onto the concrete containment). Approximately 10.70 barrels of produced water were released, no fluid was recovered. The spill area measures approximately 53' by 30' by ¼" in depth.

**SITE CHARACTERIZATION**

The Rattlesnake is located approximately seventeen (17) miles southwest of Jal, NM. This spill site is in Unit E, Section 16, Township 26S, Range 34E, Latitude 32.0441688 Longitude -103.4826937, Lea County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the eolian and piedmont deposits (Holocene to middle Pleistocene). The soil in this area is made up of Pyote and Maljamar fine sands, 0 to 3 percent slopes, eroded according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well-drained. A Topographic Map is referenced in Figure 2. There is a low potential for karst geology to be present in the area of the Rattlesnake (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 200 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is greater than 80.17 feet BGS. Due to lack of usable groundwater information, closure criteria for the release at the Rattlesnake is classified under the less than 50-foot depth to groundwater section of Table 1 19.15.29.12 NMAC. The regulatory limits are as follows: Chlorides should be less than 600 mg/kg. TPH (GRO+DRO+MRO) should be less than 100 mg/kg. GRO+DRO should be less than 1,000 mg/kg, BTEX should be less than 50 mg/kg, and Benzene should be less than 10



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Rattlesnake 16 SWD #001 | NAB1913345254

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mg/kg. The closest waterway is the Red Bluff Reservoir, located approximately 26.24 miles to the southwest of this location. See Appendix A for referenced water surveys.

## SITE ASSESSMENT, AND SOIL SAMPLING RESULTS

On March 29<sup>th</sup>, 2023, Pima Environmental mobilized personnel to assess the impacted area. Pima sampled the areas surrounding the H-Pumps and collected a total of twenty-five soil samples for laboratory analysis. Six bottom samples (S1-S6) were collected at depths of 1, 3 and 4 feet to determine vertical delineation. Additionally, side wall samples (SW1-SW6) were collected at a depth of 6 inches to determine horizontal delineation. One background sample (BG1) was collected to determine natural occurring levels of chlorides located at the Rattlesnake. The accompanying Data Table is referenced in Figure 4. A Site Map can be found in Figure 5. Complete Laboratory Report is referenced in Appendix E.

## COUNTERMEASURES DUE TO REJECTION

On July 03, 2023, the NMOCD denied the Closure Report citing:

“The OCD has rejected the submitted Application for administrative approval of a release notification and corrective action (C-141), for Incident ID (n#) NAB1913345254.

### App ID 208694: Reasons for denial:

- 1. Release impact area not clearly displayed within site map provided. Release dimensions mentioned (53 ft. x 30 ft.) does not match site map (50 ft. x 84 ft.).**  
**After conducting the site assessment, Pima determined that the release dimensions reported on the initial C-141 were incorrect and/or did not provide enough information to ensure entire release area was captured. Pima extended the release area to surround the entire H-Pump containment to verify contamination was not present.**
- 2. Confirmation Sampling for dimensions given would yield a minimum of 11 five-point composite samples, which was not reflected within the report.**  
**Pima proposes to conduct further sampling per the Remediation Work Plan below.**
- 3. Sampling notification was not provided.**  
**48-hour sampling notification will be submitted through the NMOCD Portal before conducting further sampling.**
- 4. Vertical extent not established within release perimeter.**  
**The H-Pump and expansion joint are located within a concrete containment. The previous sampling event, and the Proposed Sample Plan both show sample points that surround the perimeter of the concrete containment, this is the only sampling option that can be used to establish vertical extent.**
- 5. Photos do not clearly illustrate point of release, or sampling representation. Overall, does not reflect extent of release.**  
**The point of release is Included on the New Site Map (Figure 6). Pima will include updated photos that clearly illustrate the point of release and sampling representation in the closure report that will be submitted.**



The rejected C-141 can be found in the OCD Online: Permitting- Action Status, under Application ID: 208694. Please review and make the required correction(s) prior to resubmitting. "If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

## REMEDIATION WORK PLAN

In response to the rejected report, Pima would like to propose the following Remediation Plan for consideration and approval:

1. Included in this Remediation Work Plan is a Proposed Sampling Map (Figure 6) showing ten (10) vertical samples, and eight (8) horizontal samples to be collected as delineation/exploration samples. Pima is requesting a variance that these samples be collected representing a surface area of no more than 400 ft<sup>2</sup> and will be collected from surface, 1', 2', 3', and 4' bgs. One (1) background sample will be collected from the pasture at a depth of 1' bgs.
2. In the event that impact is encountered and samples come back over the regulatory limits, Devon Energy proposes to dig and haul contaminated soil to remediate/reclaim the site. After remediation, Devon will submit a 48-hour sampling notification before collecting 5-point confirmation samples representing a surface area of no more than 200 ft<sup>2</sup>.
3. If the samples come back under regulatory limits, Devon Energy is requesting a variance to use delineation samples as closure confirmation samples. Devon Energy will submit the required 48-hour sampling notification before collecting the delineation/exploration samples.

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

Devon Energy Production – Jim Raley at 575-689-7597 or [jim.raley@dvn.com](mailto:jim.raley@dvn.com).

Pima Environmental – DelRae Geller at 806-724-5391 or [delrae@pimaoil.com](mailto:delrae@pimaoil.com).

Respectfully,

*DelRae Geller*

DelRae Geller

Project Manager

Pima Environmental Services, LLC



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# ATTACHMENTS

## FIGURES:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Data Table
- 5- Site Map
- 6- Proposed Sampling Map

## APPENDICES:

- Appendix A – Water Surveys and Water Related Maps
- Appendix B – Soil Survey, Geological Data
- Appendix C – C-141 Form
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports



## FIGURES

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Data Tables
- 5- Site Map
- 6- Proposed Sampling Map



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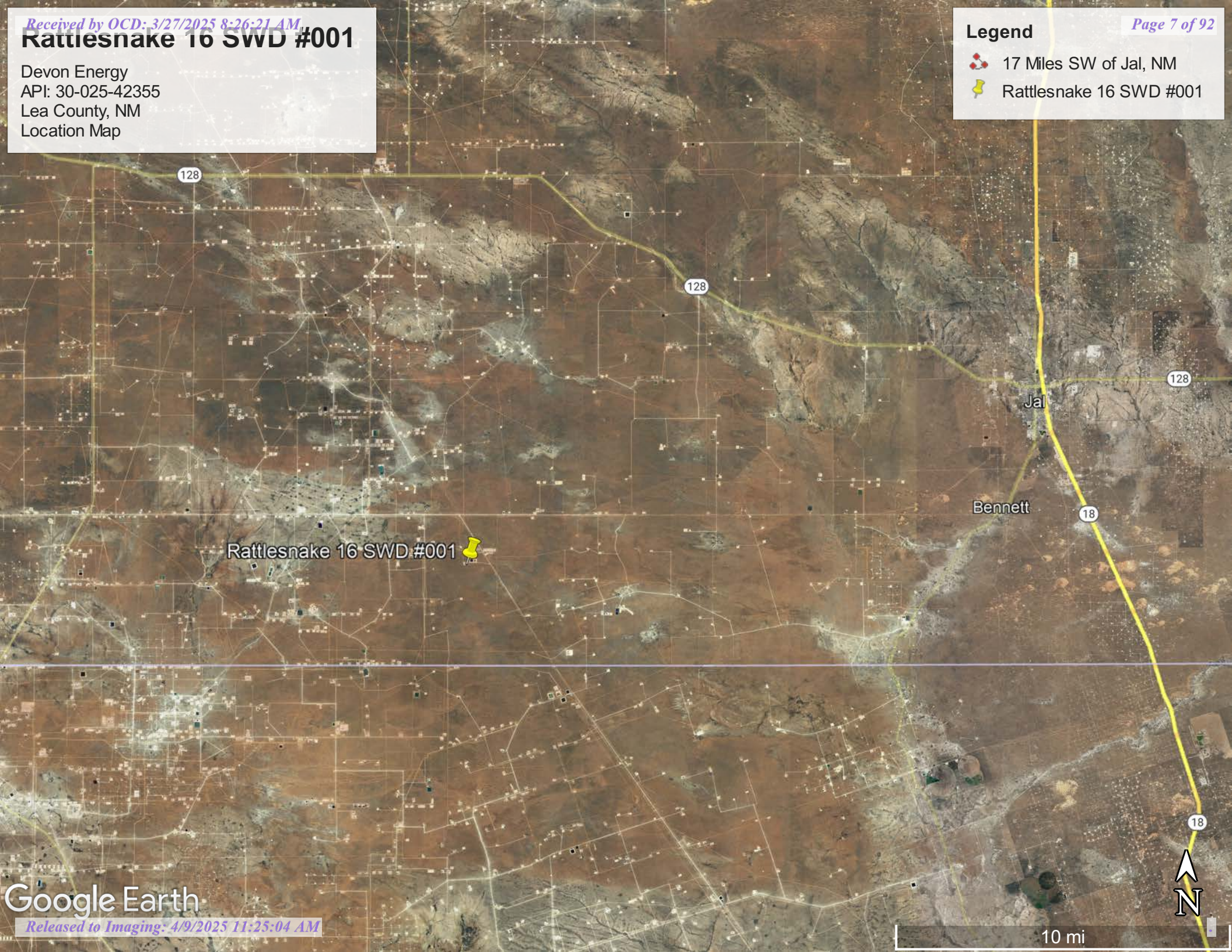


# Rattlesnake 16 SWD #001

Devon Energy  
API: 30-025-42355  
Lea County, NM  
Location Map

## Legend

-  17 Miles SW of Jal, NM
-  Rattlesnake 16 SWD #001



Rattlesnake 16 SWD #001

Google Earth


10 mi

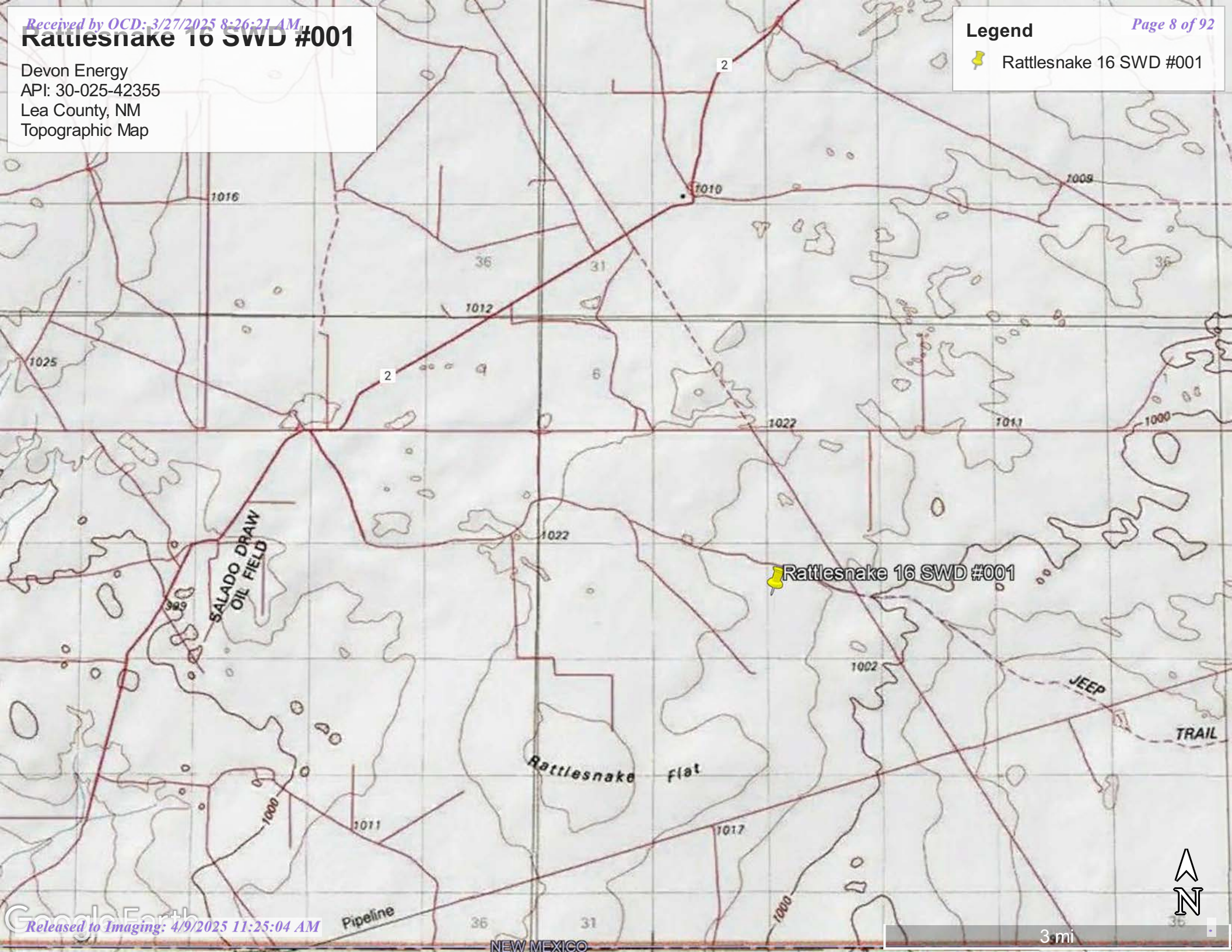


# Rattlesnake 16 SWD #001

Devon Energy  
API: 30-025-42355  
Lea County, NM  
Topographic Map

## Legend





 Rattlesnake 16 SWD #001

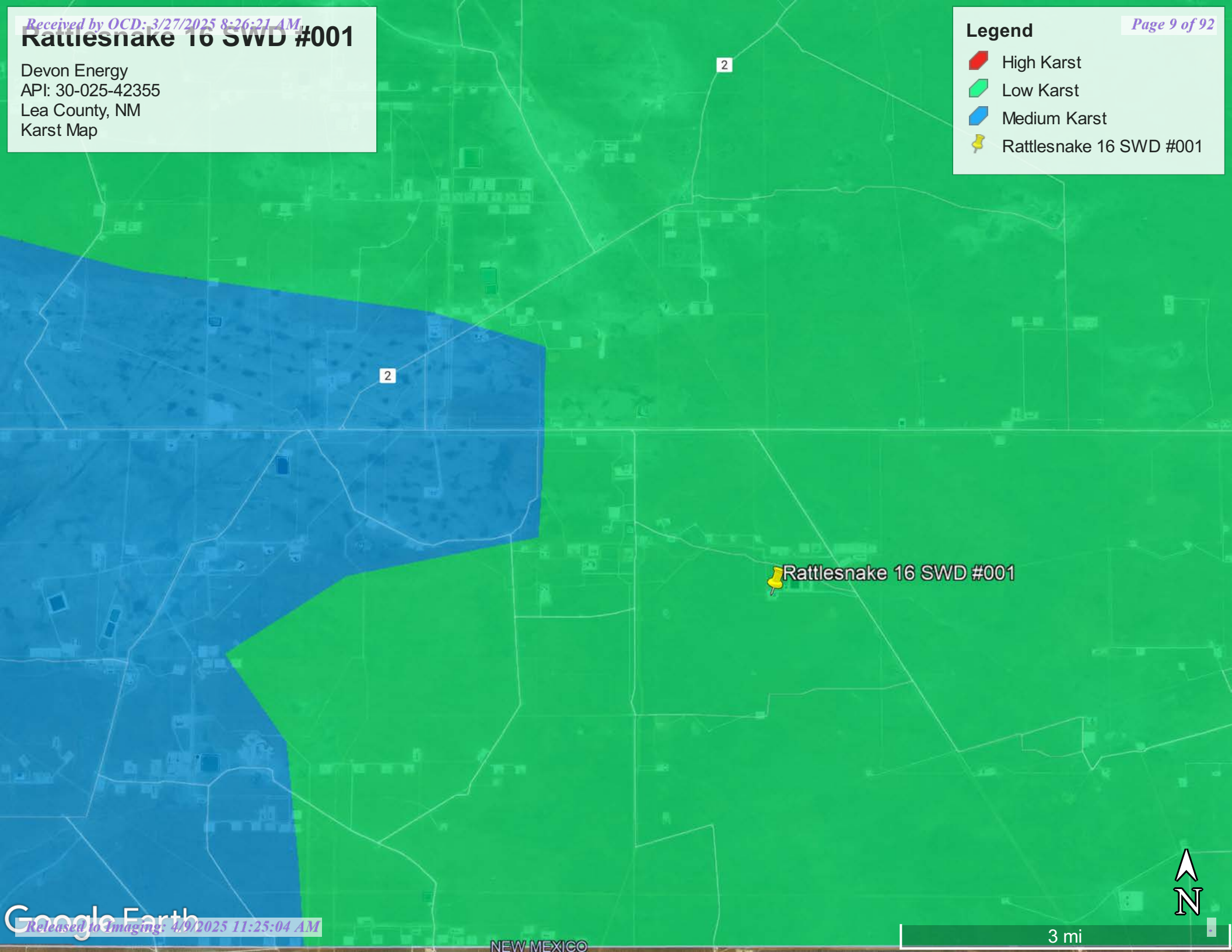


# Rattlesnake 16 SWD #001

Devon Energy  
API: 30-025-42355  
Lea County, NM  
Karst Map

## Legend

-  High Karst
-  Low Karst
-  Medium Karst
-  Rattlesnake 16 SWD #001





# DATA TABLE

## 3-29-2023 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY -RATTLESNAKE 16 SWD								
Sample Date: 3/29/2023				NM Approved Laboratory Results				
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	1'	ND	ND	ND	ND	ND	0	88.6
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-2	1'	ND	ND	ND	ND	ND	0	91.9
	3'	ND	ND	ND	ND	ND	0	27.7
	4'	ND	ND	ND	ND	ND	0	ND
S-3	1'	ND	ND	ND	ND	ND	0	71.7
	3'	ND	ND	ND	ND	ND	0	25.7
	4'	ND	ND	ND	ND	ND	0	ND
S-4	1'	ND	ND	ND	25.6	ND	25.6	84.8
	3'	ND	ND	ND	ND	ND	0	23.3
	4'	ND	ND	ND	ND	ND	0	ND
S-5	1'	ND	ND	ND	ND	ND	0	451
	3'	ND	ND	ND	ND	ND	0	31.2
	4'	ND	ND	ND	ND	ND	0	31.7
S-6	1'	ND	ND	ND	ND	ND	0	429
	3'	ND	ND	ND	ND	ND	0	56.8
	4'	ND	ND	ND	ND	ND	0	27.1
SW 1	6"	ND	ND	ND	ND	ND	0	ND
SW 2	6"	ND	ND	ND	ND	ND	0	ND
SW 3	6"	ND	ND	ND	ND	ND	0	ND
SW 4	6"	ND	ND	ND	ND	ND	0	ND
SW 5	6"	ND	ND	ND	ND	ND	0	ND
SW 6	6"	ND	ND	ND	ND	ND	0	ND
BG 1	6"	ND	ND	ND	ND	ND	0	ND

ND/0- Analyte Not Detected



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Ice Dancer 30 Fed Com 2H | NAB1834553041

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# Rattlesnake 16 SWD

Devon Energy  
NAB1913345254  
Lea County, NM  
32.0441688,-103.4826937  
Site Map

## Legend

- Concrete H-Pump Containment
- Soil Sample



Google Earth



# Rattlesnake 16 SWD #001

Devon Energy  
API# 30-025-42355  
Lea County, NM  
Proposed Sampling Map

## Legend

- Background Sample
- Horizontal Samples
- △ POR
- Release Area- 4,200 sqft
- Vertical Samples



Google Earth

# APPENDIX A

OSE Water Survey  
USGS Water Survey  
Water Related Maps



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# 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_04583 POD1</a>		CUB	LE	3	3	3	15	26S	34E	644920	3545643	1801	55		
<a href="#">C_04626 POD1</a>		CUB	LE	4	2	1	18	26S	34E	640644	3546672	2634			
<a href="#">C_02295</a>		CUB	LE	2	2	4	12	26S	33E	639865	3547624	3628	250	200	50
<a href="#">C_02292 POD1</a>		CUB	LE	4	1	2	06	26S	34E	640992	3549987	4295	200	140	60
<a href="#">C_03442 POD1</a>		C	LE	4	1	2	06	26S	34E	641056	3550028	4297	251		
<a href="#">C_03441 POD1</a>		C	LE	4	1	2	06	26S	34E	640971	3550039	4351	250		
<a href="#">C_02291</a>		CUB	LE	1	1	2	06	26S	34E	640825	3550140*	4513	220	160	60

Average Depth to Water: **166 feet**

Minimum Depth: **140 feet**

Maximum Depth: **200 feet**

**Record Count:** 7

### UTM NAD83 Radius Search (in meters):

**Easting (X):** 643257.18

**Northing (Y):** 3546337.47

**Radius:** 5000

\*UTM location was derived from PLSS - see Help

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.

2/23/23 10:48 AM




WATER COLUMN/ AVERAGE DEPTH TO WATER





# Rattlesnake 16 SWD #1

Devon Energy  
API:30-025-42355  
Lea County,NM  
OSE POD Map

## Legend

-  1.11 miles
-  C 04583 POD1
-  Rattlesnake 16 SWD #1

 Rattlesnake 16 SWD #1

 C 04583 POD1

Google Earth



1 mi





[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.

Groundwater levels for the Nation



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

### Search Results -- 1 sites found

site\_no list =

- 320419103302202

Minimum number of levels = 1

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

### USGS 320419103302202 26S.34E.06.21414A

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°04'19", Longitude 103°30'22" NAD27

Land-surface elevation 3,329 feet above NAVD88

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Chinle Formation (231CHNL) local aquifer.

#### Output formats

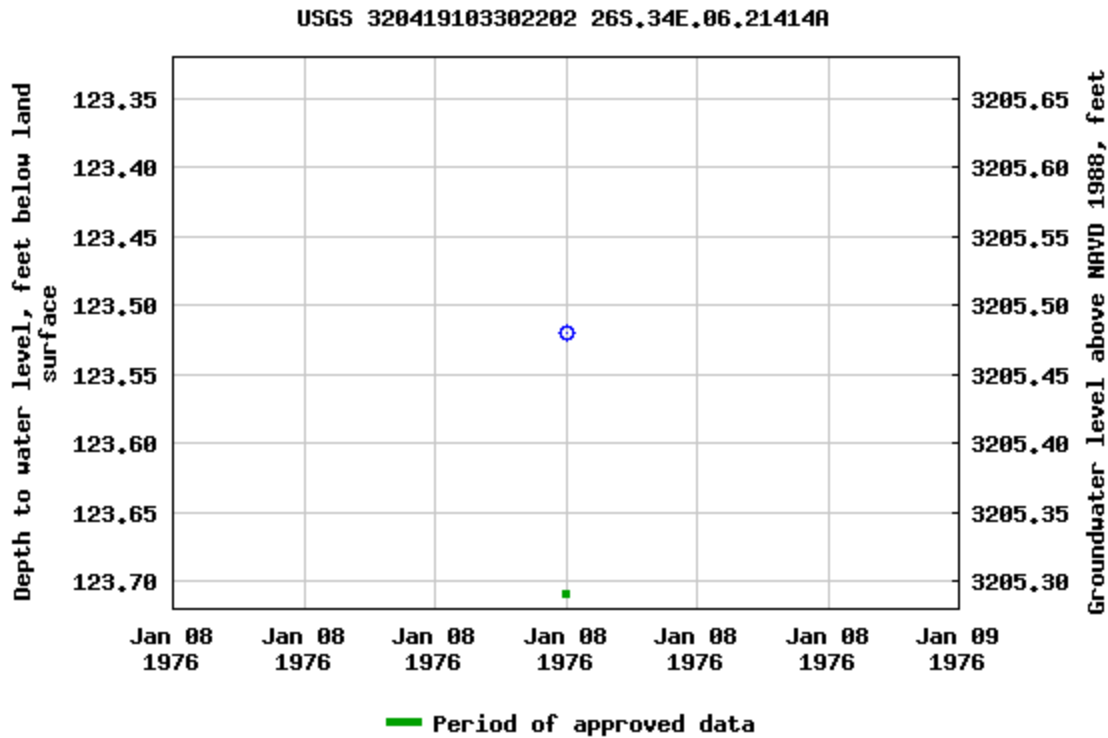
[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

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Breaks in the plot represent a gap of at least one year between field measurements.  
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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: 2024-12-10 11:25:48 EST  
0.66 0.47 nadww02





# Rattlesnake 16 SWD #001

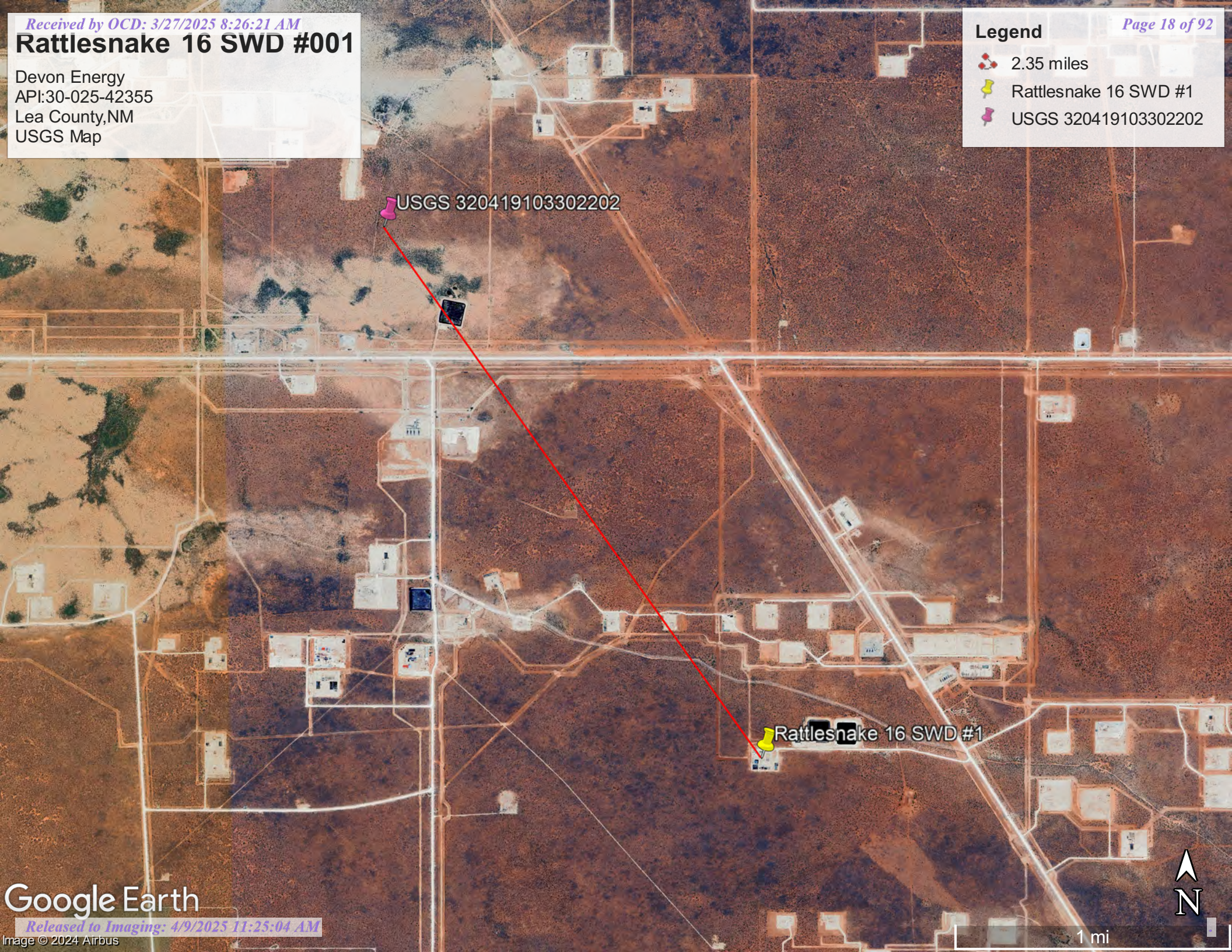
Devon Energy  
API:30-025-42355  
Lea County,NM  
USGS Map

Legend

 2.35 miles

 Rattlesnake 16 SWD #1

 USGS 320419103302202



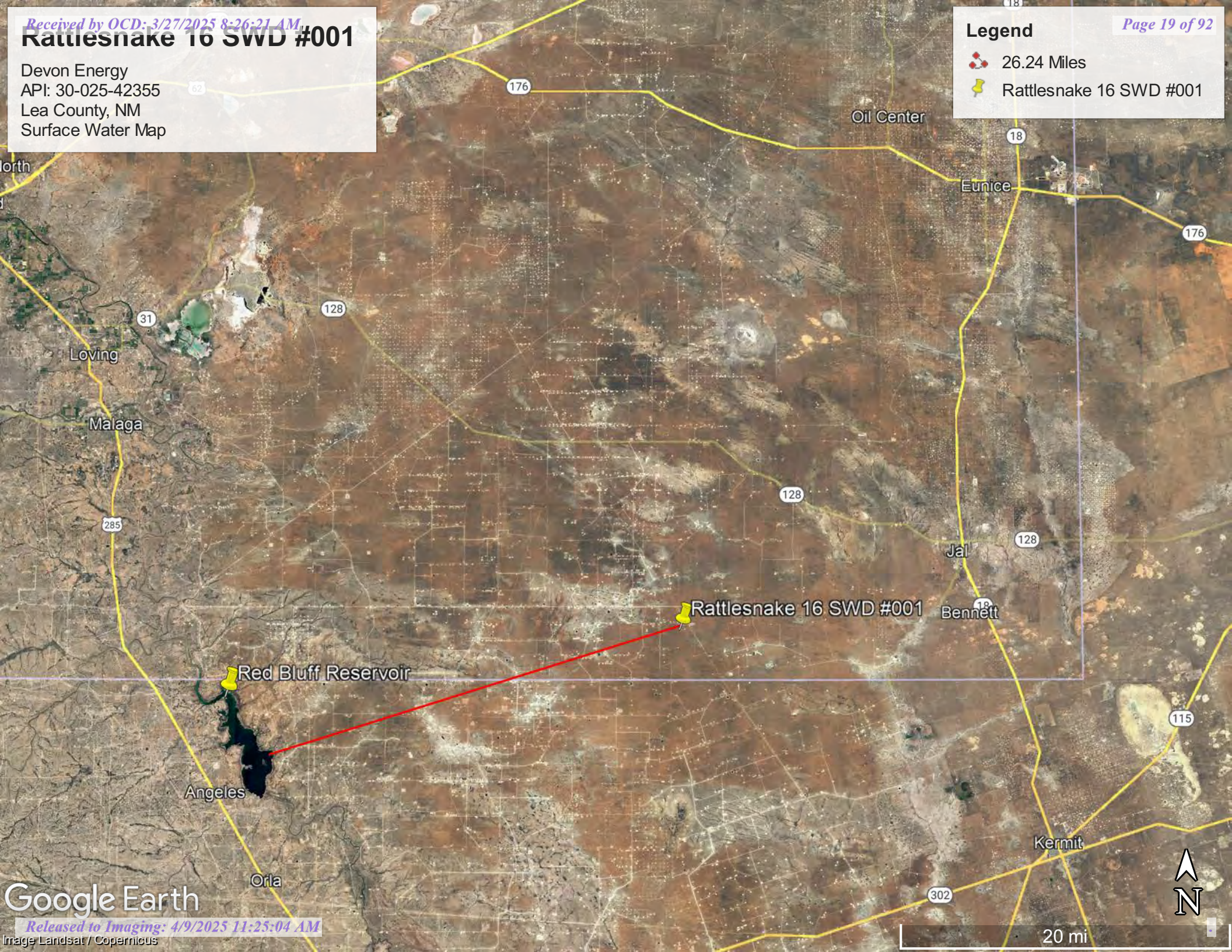


# Rattlesnake 16 SWD #001

Devon Energy  
API: 30-025-42355  
Lea County, NM  
Surface Water Map

## Legend

- 26.24 Miles
- Rattlesnake 16 SWD #001



Google Earth



20 mi



# National Flood Hazard Layer FIRMette



103°29'16"W 32°2'54"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



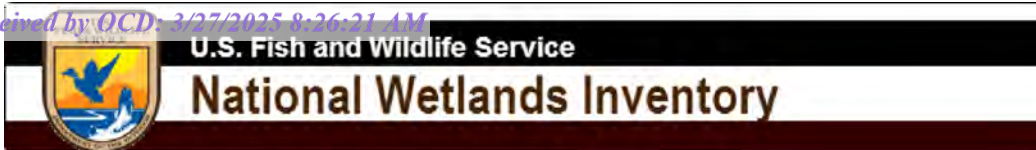
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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 2/23/2023 at 12:50 PM 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.





## Wetlands Map



February 23, 2023

**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.

# APPENDIX B

Soil Survey & Geological Data

Geologic Unit Map



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Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

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## Lea County, New Mexico

### PU—Pyote and Maljamar fine sands

#### Map Unit Setting

*National map unit symbol:* dmqq

*Elevation:* 3,000 to 3,900 feet

*Mean annual precipitation:* 10 to 12 inches

*Mean annual air temperature:* 60 to 62 degrees F

*Frost-free period:* 190 to 205 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Pyote and similar soils:* 46 percent

*Maljamar and similar soils:* 44 percent

*Minor components:* 10 percent

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

#### Description of Pyote

##### Setting

*Landform:* Plains

*Landform position (three-dimensional):* Rise

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Sandy eolian deposits derived from sedimentary rock

##### Typical profile

*A - 0 to 30 inches:* fine sand

*Bt - 30 to 60 inches:* fine sandy loam

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* Negligible

*Capacity of the most limiting layer to transmit water (Ksat):* High  
(2.00 to 6.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 5 percent

*Gypsum, maximum content:* 1 percent

*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 2.0

*Available water supply, 0 to 60 inches:* Low (about 5.1 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 6e

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

---

*Land capability classification (nonirrigated): 7s*  
*Hydrologic Soil Group: A*  
*Ecological site: R070BD003NM - Loamy Sand*  
*Hydric soil rating: No*

### **Description of Maljamar**

#### **Setting**

*Landform: Plains*  
*Landform position (three-dimensional): Rise*  
*Down-slope shape: Linear*  
*Across-slope shape: Linear*  
*Parent material: Sandy eolian deposits derived from sedimentary rock*

#### **Typical profile**

*A - 0 to 24 inches: fine sand*  
*Bt - 24 to 50 inches: sandy clay loam*  
*Bkm - 50 to 60 inches: cemented material*

#### **Properties and qualities**

*Slope: 0 to 3 percent*  
*Depth to restrictive feature: 40 to 60 inches to petrocalcic*  
*Drainage class: Well drained*  
*Runoff class: Very low*  
*Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)*  
*Depth to water table: More than 80 inches*  
*Frequency of flooding: None*  
*Frequency of ponding: None*  
*Calcium carbonate, maximum content: 5 percent*  
*Gypsum, maximum content: 1 percent*  
*Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)*  
*Sodium adsorption ratio, maximum: 2.0*  
*Available water supply, 0 to 60 inches: Low (about 5.6 inches)*

#### **Interpretive groups**

*Land capability classification (irrigated): 6e*  
*Land capability classification (nonirrigated): 7e*  
*Hydrologic Soil Group: B*  
*Ecological site: R070BD003NM - Loamy Sand*  
*Hydric soil rating: No*

### **Minor Components**

#### **Kermit**

*Percent of map unit: 10 percent*  
*Ecological site: R070BC022NM - Sandhills*

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

---

*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 19, Sep 8, 2022

Soil Map—Lea County, New Mexico




Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

12/10/2024  
Page 1 of 3

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: Lea County, New Mexico  
Survey Area Data: Version 21, Sep 3, 2024

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
PU	Pyote and Maljamar fine sands	5.5	100.0%
Totals for Area of Interest		5.5	100.0%



# Rattlesnake 16 SWD #001

Devon Energy  
API# 30-025-42355  
Lea County, NM  
Geologic Unit Map

## Legend

-  Eolian and piedmont deposits
-  Eolian deposits

Rattlesnake 16 SWD #001



Google Earth

Image © 2025 Maxar Technologies

Image © 2025 CNES / Airbus

Released to Imaging: 4/9/2025 11:25:04 AM



1 mi

# APPENDIX C

C-141Form



Pima Environmental Services, LLC  
5614 N Lovington Hwy, Hobbs, NM 88240  
575-964-7740 | [www.pimaoil.com](http://www.pimaoil.com)

DEVON ENERGY PRODUCTION, LP.



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	NAB1913345254
District RP	1RP-5479
Facility ID	
Application ID	pAB1913344988

## Release Notification

### Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Amanda T. Davis	Contact Telephone 575-748-0176
Contact email amanda.davis@dvn.com	Incident # (assigned by OCD) NAB1913345254
Contact mailing address 6488 Seven Rivers HWY	

### Location of Release Source

Latitude 32.0441688 Longitude -103.4826937  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Rattlesnake 16 SWD #001	Site Type Salt water disposal
Date Release Discovered 4/14/2019	API# (if applicable) 30-025-42355

Unit Letter	Section	Township	Range	County
E	16	26S	34E	Lea

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) 10.70	Volume Recovered (bbls) 0
	Is the concentration of total dissolved solids (TDS) 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 The H-pump shut down causing back pressure on the expansion joint causing fluid release. Spill area 53'x30'x1/4"

Incident ID	NAB1913345254
District RP	1RP-5479
Facility ID	
Application ID	pAB1913344988

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

## 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 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: <div style="border: 1px solid black; height: 100px; margin-top: 5px;"></div>	
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>Kendra DeHoyos</u> Signature: <u><i>Kendra DeHoyos</i></u> email: <u>kendra.dehoyos@dvn.com</u>	Title: <u>EHS Associate</u> Date: <u>4/25/2019</u> Telephone: <u>575-748-3371</u>
<div style="border-top: 1px solid black; padding-top: 10px;"> <div style="display: flex; justify-content: space-between;"> <div> <b><u>OCD Only</u></b>            Received by: <u><i>Ana Ramirez</i></u> </div> <div>           Date: <u>5/13/2019</u> </div> </div> </div>	

Incident ID	NAB1913345254
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>&lt;50</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

Incident ID	NAB1913345254
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: Environmental Professional

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: dale.woodall@dv.com Telephone: 575-748-1839

**OCD Only**

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



Incident ID	NAB1913345254
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: Environmental Professional

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: dale.woodall@dvn.com Telephone: 575-748-1839

### 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: \_\_\_\_\_

# APPENDIX D

## Photographic Documentation



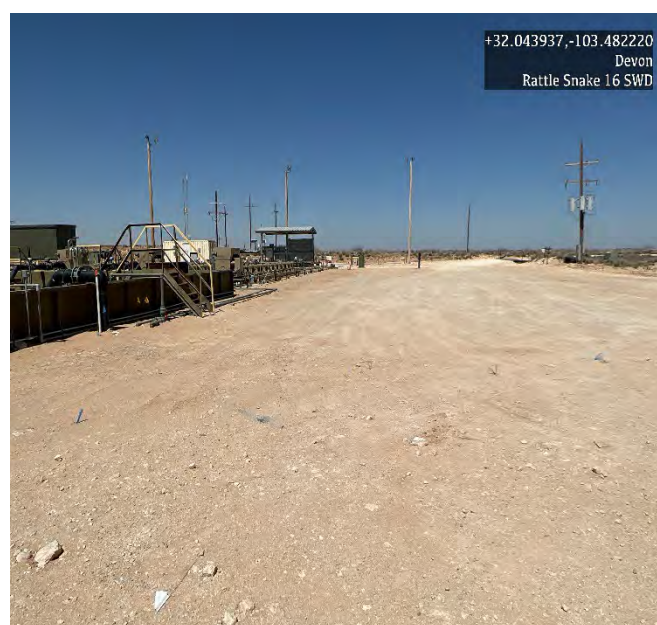
Pima Environmental Services, LLC  
5614 N Lovington Hwy, Hobbs, NM 88240  
575-964-7740 | [www.pimaoil.com](http://www.pimaoil.com)

DEVON ENERGY PRODUCTION, LP.

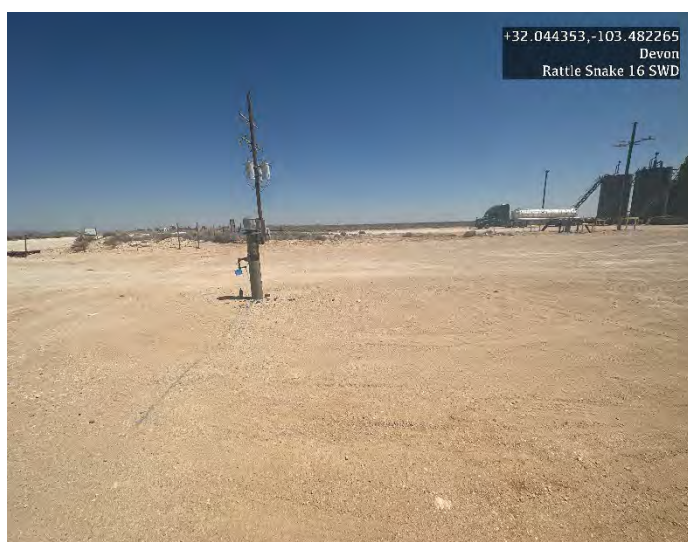
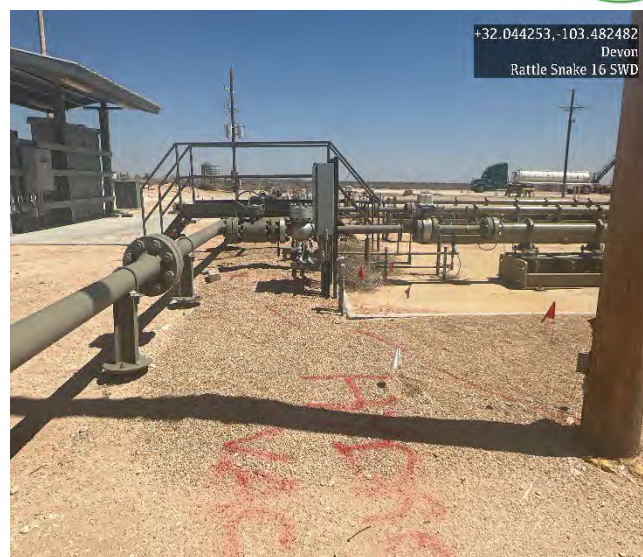


**SITE PHOTOGRAPHS  
DEVON ENERGY  
RATTLESNAKE 16 SWD 1**

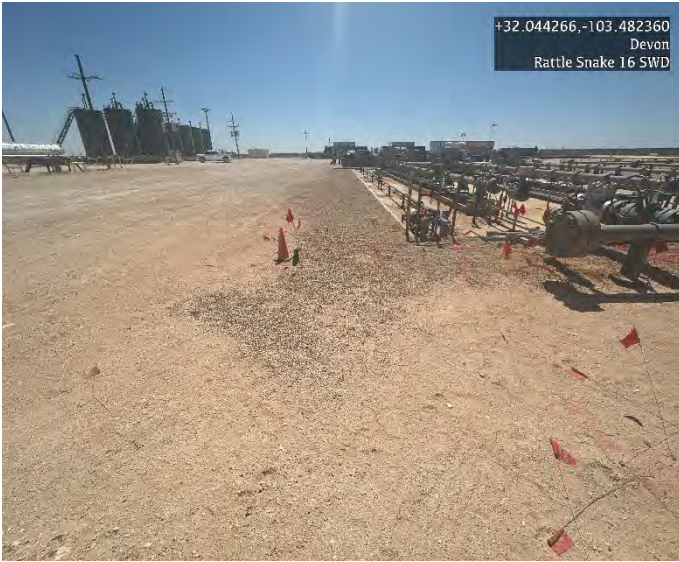
**Site Assessment**











# APPENDIX E

## Laboratory Reports



Pima Environmental Services, LLC  
5614 N Lovington Hwy, Hobbs, NM 88240  
575-964-7740 | [www.pimaoil.com](http://www.pimaoil.com)

DEVON ENERGY PRODUCTION, LP.



Report to:  
Tom Bynum



5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Rattle Snake 16 SWD

Work Order: E303155

Job Number: 01058-0007

Received: 3/31/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
4/6/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 4/6/23

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Rattle Snake 16 SWD  
Workorder: E303155  
Date Received: 3/31/2023 5:45:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/31/2023 5:45:00AM, under the Project Name: Rattle Snake 16 SWD.

The analytical test results summarized in this report with the Project Name: Rattle Snake 16 SWD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**  
**Lynn Jarboe**  
Technical Representative/Client Services  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Rattle Snake 16 SWD	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	04/06/23 11:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E303155-01A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
S2 - 1'	E303155-02A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
S3 - 1'	E303155-03A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
S4 - 1'	E303155-04A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
S5 - 1'	E303155-05A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
S6 - 1'	E303155-06A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
S1 - 3'	E303155-07A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
S2 - 3'	E303155-08A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
S3 - 3'	E303155-09A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
S4 - 3'	E303155-10A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
S5 - 3'	E303155-11A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
S6 - 3'	E303155-12A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
S1 - 4'	E303155-13A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
S2 - 4'	E303155-14A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
S3 - 4'	E303155-15A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
S4 - 4'	E303155-16A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
S5 - 4'	E303155-17A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
S6 - 4'	E303155-18A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
SW1	E303155-19A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
SW2	E303155-20A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
SW3	E303155-21A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
SW4	E303155-22A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
SW5	E303155-23A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
SW6	E303155-24A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.
BG 1	E303155-25A	Soil	03/29/23	03/31/23	Glass Jar, 2 oz.



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

S1 - 1'

E303155-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Benzene	ND	0.0250	1	03/31/23	04/01/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/01/23	
Toluene	ND	0.0250	1	03/31/23	04/01/23	
o-Xylene	ND	0.0250	1	03/31/23	04/01/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/01/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	91.9 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	98.1 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	103 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	91.9 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	98.1 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	103 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313099
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/23	04/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/04/23	
Surrogate: n-Nonane	106 %	50-200		04/01/23	04/04/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313079
Chloride	88.6	20.0	1	03/30/23	04/01/23	





## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

S2 - 1'

E303155-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Benzene	ND	0.0250	1	03/31/23	04/01/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/01/23	
Toluene	ND	0.0250	1	03/31/23	04/01/23	
o-Xylene	ND	0.0250	1	03/31/23	04/01/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/01/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	93.6 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	104 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	93.6 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	104 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313099
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/23	04/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/04/23	
Surrogate: n-Nonane	121 %	50-200		04/01/23	04/04/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313079
Chloride	91.9	20.0	1	03/30/23	04/02/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

S3 - 1'

E303155-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Benzene	ND	0.0250	1	03/31/23	04/01/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/01/23	
Toluene	ND	0.0250	1	03/31/23	04/01/23	
o-Xylene	ND	0.0250	1	03/31/23	04/01/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/01/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	91.5 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	93.7 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	104 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	91.5 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	93.7 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	104 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313099
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/23	04/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/04/23	
Surrogate: n-Nonane	108 %	50-200		04/01/23	04/04/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313079
Chloride	71.7	20.0	1	03/30/23	04/02/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

S4 - 1'

E303155-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Benzene	ND	0.0250	1	03/31/23	04/01/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/01/23	
Toluene	ND	0.0250	1	03/31/23	04/01/23	
o-Xylene	ND	0.0250	1	03/31/23	04/01/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/01/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	90.7 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	94.1 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	104 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	90.7 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	94.1 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	104 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313099
Diesel Range Organics (C10-C28)	25.6	25.0	1	04/01/23	04/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/04/23	
Surrogate: n-Nonane	107 %	50-200		04/01/23	04/04/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313079
Chloride	84.8	20.0	1	03/30/23	04/02/23	





## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

S5 - 1'

E303155-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Benzene	ND	0.0250	1	03/31/23	04/01/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/01/23	
Toluene	ND	0.0250	1	03/31/23	04/01/23	
o-Xylene	ND	0.0250	1	03/31/23	04/01/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/01/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	90.5 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	92.6 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	104 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	90.5 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	92.6 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	104 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313099
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/23	04/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/04/23	
Surrogate: n-Nonane	106 %	50-200		04/01/23	04/04/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313079
Chloride	451	20.0	1	03/30/23	04/02/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

S6 - 1'

E303155-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Benzene	ND	0.0250	1	03/31/23	04/01/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/01/23	
Toluene	ND	0.0250	1	03/31/23	04/01/23	
o-Xylene	ND	0.0250	1	03/31/23	04/01/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/01/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	90.9 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	94.6 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	104 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	90.9 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	94.6 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	104 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313099
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/23	04/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/04/23	
Surrogate: n-Nonane	103 %	50-200		04/01/23	04/04/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313079
Chloride	429	20.0	1	03/30/23	04/02/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

S1 - 3'

E303155-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Benzene	ND	0.0250	1	03/31/23	04/01/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/01/23	
Toluene	ND	0.0250	1	03/31/23	04/01/23	
o-Xylene	ND	0.0250	1	03/31/23	04/01/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/01/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	90.9 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	92.0 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	106 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	90.9 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	92.0 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	106 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313099
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/23	04/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/04/23	
Surrogate: n-Nonane	110 %	50-200		04/01/23	04/04/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313079
Chloride	ND	20.0	1	03/30/23	04/02/23	





## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

S2 - 3'

E303155-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Benzene	ND	0.0250	1	03/31/23	04/01/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/01/23	
Toluene	ND	0.0250	1	03/31/23	04/01/23	
o-Xylene	ND	0.0250	1	03/31/23	04/01/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/01/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	92.6 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	104 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	92.6 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	104 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313099
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/23	04/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/04/23	
Surrogate: n-Nonane	106 %	50-200		04/01/23	04/04/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313079
Chloride	27.7	20.0	1	03/30/23	04/02/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

S3 - 3'

E303155-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Benzene	ND	0.0250	1	03/31/23	04/01/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/01/23	
Toluene	ND	0.0250	1	03/31/23	04/01/23	
o-Xylene	ND	0.0250	1	03/31/23	04/01/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/01/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	91.1 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	105 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	91.1 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	105 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313099
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/23	04/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/04/23	
Surrogate: n-Nonane	109 %	50-200		04/01/23	04/04/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313079
Chloride	25.7	20.0	1	03/30/23	04/02/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

S4 - 3'

E303155-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Benzene	ND	0.0250	1	03/31/23	04/01/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/01/23	
Toluene	ND	0.0250	1	03/31/23	04/01/23	
o-Xylene	ND	0.0250	1	03/31/23	04/01/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/01/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	91.7 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	95.2 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	104 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	91.7 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	95.2 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	104 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313099
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/23	04/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/05/23	
Surrogate: n-Nonane	107 %	50-200		04/01/23	04/05/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313079
Chloride	23.3	20.0	1	03/30/23	04/02/23	





## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

S5 - 3'

E303155-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Benzene	ND	0.0250	1	03/31/23	04/01/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/01/23	
Toluene	ND	0.0250	1	03/31/23	04/01/23	
o-Xylene	ND	0.0250	1	03/31/23	04/01/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/01/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	93.1 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	93.6 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	105 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	93.1 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	93.6 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	105 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313099
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/23	04/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/05/23	
Surrogate: n-Nonane	108 %	50-200		04/01/23	04/05/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313079
Chloride	31.2	20.0	1	03/30/23	04/02/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

S6 - 3'

E303155-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Benzene	ND	0.0250	1	03/31/23	04/01/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/01/23	
Toluene	ND	0.0250	1	03/31/23	04/01/23	
o-Xylene	ND	0.0250	1	03/31/23	04/01/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/01/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	90.8 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	95.0 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	104 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	90.8 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	95.0 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	104 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313099
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/23	04/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/05/23	
Surrogate: n-Nonane	109 %	50-200		04/01/23	04/05/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313079
Chloride	56.8	20.0	1	03/30/23	04/02/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

S1 - 4'

E303155-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Benzene	ND	0.0250	1	03/31/23	04/01/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/01/23	
Toluene	ND	0.0250	1	03/31/23	04/01/23	
o-Xylene	ND	0.0250	1	03/31/23	04/01/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/01/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	91.5 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	103 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	91.5 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	103 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313099
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/23	04/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/05/23	
Surrogate: n-Nonane	103 %	50-200		04/01/23	04/05/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313079
Chloride	ND	20.0	1	03/30/23	04/02/23	





## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

S2 - 4'

E303155-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Benzene	ND	0.0250	1	03/31/23	04/01/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/01/23	
Toluene	ND	0.0250	1	03/31/23	04/01/23	
o-Xylene	ND	0.0250	1	03/31/23	04/01/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/01/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	90.5 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	106 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	90.5 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	106 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313099
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/23	04/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/05/23	
Surrogate: n-Nonane	110 %	50-200		04/01/23	04/05/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313079
Chloride	ND	20.0	1	03/30/23	04/02/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

S3 - 4'

E303155-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Benzene	ND	0.0250	1	03/31/23	04/01/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/01/23	
Toluene	ND	0.0250	1	03/31/23	04/01/23	
o-Xylene	ND	0.0250	1	03/31/23	04/01/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/01/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	90.4 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	105 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	90.4 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	105 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313099
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/23	04/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/05/23	
Surrogate: n-Nonane	112 %	50-200		04/01/23	04/05/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313079
Chloride	ND	20.0	1	03/30/23	04/02/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

S4 - 4'

E303155-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Benzene	ND	0.0250	1	03/31/23	04/01/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/01/23	
Toluene	ND	0.0250	1	03/31/23	04/01/23	
o-Xylene	ND	0.0250	1	03/31/23	04/01/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/01/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	91.6 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	95.0 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	104 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	91.6 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	95.0 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	104 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313099
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/23	04/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/05/23	
Surrogate: n-Nonane	108 %	50-200		04/01/23	04/05/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313079
Chloride	ND	20.0	1	03/30/23	04/02/23	





## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

S5 - 4'

E303155-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Benzene	ND	0.0250	1	03/31/23	04/01/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/01/23	
Toluene	ND	0.0250	1	03/31/23	04/01/23	
o-Xylene	ND	0.0250	1	03/31/23	04/01/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/01/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	91.8 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	103 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	91.8 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	103 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313099
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/23	04/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/05/23	
Surrogate: n-Nonane	112 %	50-200		04/01/23	04/05/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313079
Chloride	31.7	20.0	1	03/30/23	04/02/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

S6 - 4'

E303155-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Benzene	ND	0.0250	1	03/31/23	04/01/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/01/23	
Toluene	ND	0.0250	1	03/31/23	04/01/23	
o-Xylene	ND	0.0250	1	03/31/23	04/01/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/01/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	91.1 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	104 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	91.1 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	104 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313099
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/23	04/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/05/23	
Surrogate: n-Nonane	106 %	50-200		04/01/23	04/05/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313079
Chloride	27.1	20.0	1	03/30/23	04/02/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

## SW1

## E303155-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Benzene	ND	0.0250	1	03/31/23	04/01/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/01/23	
Toluene	ND	0.0250	1	03/31/23	04/01/23	
o-Xylene	ND	0.0250	1	03/31/23	04/01/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/01/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	93.3 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	104 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	93.3 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	104 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313099
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/23	04/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/05/23	
Surrogate: n-Nonane	108 %	50-200		04/01/23	04/05/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313079
Chloride	ND	20.0	1	03/30/23	04/02/23	





## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

## SW2

## E303155-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Benzene	ND	0.0250	1	03/31/23	04/01/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/01/23	
Toluene	ND	0.0250	1	03/31/23	04/01/23	
o-Xylene	ND	0.0250	1	03/31/23	04/01/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/01/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	92.0 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	103 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313088
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/01/23	
Surrogate: Bromofluorobenzene	92.0 %	70-130		03/31/23	04/01/23	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		03/31/23	04/01/23	
Surrogate: Toluene-d8	103 %	70-130		03/31/23	04/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313099
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/23	04/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/05/23	
Surrogate: n-Nonane	111 %	50-200		04/01/23	04/05/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313079
Chloride	ND	20.0	1	03/30/23	04/02/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

## SW3

## E303155-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313086
Benzene	ND	0.0250	1	03/31/23	04/03/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/03/23	
Toluene	ND	0.0250	1	03/31/23	04/03/23	
o-Xylene	ND	0.0250	1	03/31/23	04/03/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/03/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/03/23	
Surrogate: Bromofluorobenzene		101 %	70-130	03/31/23	04/03/23	
Surrogate: 1,2-Dichloroethane-d4		119 %	70-130	03/31/23	04/03/23	
Surrogate: Toluene-d8		103 %	70-130	03/31/23	04/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313086
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/03/23	
Surrogate: Bromofluorobenzene		101 %	70-130	03/31/23	04/03/23	
Surrogate: 1,2-Dichloroethane-d4		119 %	70-130	03/31/23	04/03/23	
Surrogate: Toluene-d8		103 %	70-130	03/31/23	04/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313100
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/23	04/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/05/23	
Surrogate: n-Nonane		109 %	50-200	04/01/23	04/05/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313083
Chloride	ND	20.0	1	03/30/23	04/03/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

## SW4

## E303155-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313086
Benzene	ND	0.0250	1	03/31/23	04/03/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/03/23	
Toluene	ND	0.0250	1	03/31/23	04/03/23	
o-Xylene	ND	0.0250	1	03/31/23	04/03/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/03/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/03/23	
Surrogate: Bromofluorobenzene		102 %	70-130	03/31/23	04/03/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	03/31/23	04/03/23	
Surrogate: Toluene-d8		104 %	70-130	03/31/23	04/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313086
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/03/23	
Surrogate: Bromofluorobenzene		102 %	70-130	03/31/23	04/03/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	03/31/23	04/03/23	
Surrogate: Toluene-d8		104 %	70-130	03/31/23	04/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313100
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/23	04/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/05/23	
Surrogate: n-Nonane		109 %	50-200	04/01/23	04/05/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313083
Chloride	ND	20.0	1	03/30/23	04/03/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

## SW5

## E303155-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313086
Benzene	ND	0.0250	1	03/31/23	04/03/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/03/23	
Toluene	ND	0.0250	1	03/31/23	04/03/23	
o-Xylene	ND	0.0250	1	03/31/23	04/03/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/03/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/03/23	
Surrogate: Bromofluorobenzene		102 %	70-130	03/31/23	04/03/23	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130	03/31/23	04/03/23	
Surrogate: Toluene-d8		105 %	70-130	03/31/23	04/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313086
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/03/23	
Surrogate: Bromofluorobenzene		102 %	70-130	03/31/23	04/03/23	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130	03/31/23	04/03/23	
Surrogate: Toluene-d8		105 %	70-130	03/31/23	04/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313100
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/23	04/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/05/23	
Surrogate: n-Nonane		109 %	50-200	04/01/23	04/05/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313083
Chloride	ND	20.0	1	03/30/23	04/03/23	





## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

## SW6

## E303155-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313086
Benzene	ND	0.0250	1	03/31/23	04/03/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/03/23	
Toluene	ND	0.0250	1	03/31/23	04/03/23	
o-Xylene	ND	0.0250	1	03/31/23	04/03/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/03/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/03/23	
Surrogate: Bromofluorobenzene	98.7 %	70-130		03/31/23	04/03/23	
Surrogate: 1,2-Dichloroethane-d4	116 %	70-130		03/31/23	04/03/23	
Surrogate: Toluene-d8	105 %	70-130		03/31/23	04/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313086
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/03/23	
Surrogate: Bromofluorobenzene	98.7 %	70-130		03/31/23	04/03/23	
Surrogate: 1,2-Dichloroethane-d4	116 %	70-130		03/31/23	04/03/23	
Surrogate: Toluene-d8	105 %	70-130		03/31/23	04/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313100
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/23	04/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/05/23	
Surrogate: n-Nonane	108 %	50-200		04/01/23	04/05/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313083
Chloride	ND	20.0	1	03/30/23	04/03/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Rattle Snake 16 SWD  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/6/2023 11:27:33AM

## BG 1

## E303155-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313086
Benzene	ND	0.0250	1	03/31/23	04/03/23	
Ethylbenzene	ND	0.0250	1	03/31/23	04/03/23	
Toluene	ND	0.0250	1	03/31/23	04/03/23	
o-Xylene	ND	0.0250	1	03/31/23	04/03/23	
p,m-Xylene	ND	0.0500	1	03/31/23	04/03/23	
Total Xylenes	ND	0.0250	1	03/31/23	04/03/23	
Surrogate: Bromofluorobenzene	99.5 %	70-130		03/31/23	04/03/23	
Surrogate: 1,2-Dichloroethane-d4	117 %	70-130		03/31/23	04/03/23	
Surrogate: Toluene-d8	103 %	70-130		03/31/23	04/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2313086
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/23	04/03/23	
Surrogate: Bromofluorobenzene	99.5 %	70-130		03/31/23	04/03/23	
Surrogate: 1,2-Dichloroethane-d4	117 %	70-130		03/31/23	04/03/23	
Surrogate: Toluene-d8	103 %	70-130		03/31/23	04/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2313100
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/23	04/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/23	04/05/23	
Surrogate: n-Nonane	110 %	50-200		04/01/23	04/05/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2313083
Chloride	ND	20.0	1	03/30/23	04/03/23	



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rattle Snake 16 SWD	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/6/2023 11:27:33AM

## Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2313086-BLK1)

Prepared: 03/31/23 Analyzed: 04/03/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.594		0.500		119	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

## LCS (2313086-BS1)

Prepared: 03/31/23 Analyzed: 04/03/23

Benzene	2.45	0.0250	2.50		97.8	70-130			
Ethylbenzene	2.37	0.0250	2.50		95.0	70-130			
Toluene	2.47	0.0250	2.50		98.7	70-130			
o-Xylene	2.39	0.0250	2.50		95.4	70-130			
p,m-Xylene	4.73	0.0500	5.00		94.6	70-130			
Total Xylenes	7.12	0.0250	7.50		94.9	70-130			
Surrogate: Bromofluorobenzene	0.539		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.583		0.500		117	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

## Matrix Spike (2313086-MS1)

Source: E303155-21

Prepared: 03/31/23 Analyzed: 04/03/23

Benzene	2.53	0.0250	2.50	ND	101	48-131			
Ethylbenzene	2.43	0.0250	2.50	ND	97.0	45-135			
Toluene	2.49	0.0250	2.50	ND	99.5	48-130			
o-Xylene	2.45	0.0250	2.50	ND	98.2	43-135			
p,m-Xylene	4.89	0.0500	5.00	ND	97.7	43-135			
Total Xylenes	7.34	0.0250	7.50	ND	97.9	43-135			
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.571		0.500		114	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

## Matrix Spike Dup (2313086-MSD1)

Source: E303155-21

Prepared: 03/31/23 Analyzed: 04/03/23

Benzene	2.47	0.0250	2.50	ND	98.9	48-131	2.36	23	
Ethylbenzene	2.43	0.0250	2.50	ND	97.2	45-135	0.206	27	
Toluene	2.50	0.0250	2.50	ND	100	48-130	0.421	24	
o-Xylene	2.47	0.0250	2.50	ND	98.8	43-135	0.670	27	
p,m-Xylene	4.91	0.0500	5.00	ND	98.1	43-135	0.378	27	
Total Xylenes	7.38	0.0250	7.50	ND	98.4	43-135	0.476	27	
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.565		0.500		113	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rattle Snake 16 SWD	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/6/2023 11:27:33AM

## Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2313088-BLK1)

Prepared: 03/31/23 Analyzed: 04/01/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.457		0.500		91.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

## LCS (2313088-BS1)

Prepared: 03/31/23 Analyzed: 04/01/23

Benzene	2.39	0.0250	2.50		95.7	70-130			
Ethylbenzene	2.40	0.0250	2.50		96.1	70-130			
Toluene	2.40	0.0250	2.50		96.1	70-130			
o-Xylene	2.44	0.0250	2.50		97.6	70-130			
p,m-Xylene	4.80	0.0500	5.00		96.1	70-130			
Total Xylenes	7.24	0.0250	7.50		96.6	70-130			
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

## Matrix Spike (2313088-MS1)

Source: E303155-01

Prepared: 03/31/23 Analyzed: 04/01/23

Benzene	2.32	0.0250	2.50	ND	92.9	48-131			
Ethylbenzene	2.33	0.0250	2.50	ND	93.3	45-135			
Toluene	2.34	0.0250	2.50	ND	93.7	48-130			
o-Xylene	2.35	0.0250	2.50	ND	94.2	43-135			
p,m-Xylene	4.67	0.0500	5.00	ND	93.4	43-135			
Total Xylenes	7.02	0.0250	7.50	ND	93.6	43-135			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

## Matrix Spike Dup (2313088-MSD1)

Source: E303155-01

Prepared: 03/31/23 Analyzed: 04/01/23

Benzene	2.39	0.0250	2.50	ND	95.5	48-131	2.68	23	
Ethylbenzene	2.43	0.0250	2.50	ND	97.1	45-135	3.99	27	
Toluene	2.39	0.0250	2.50	ND	95.6	48-130	2.05	24	
o-Xylene	2.42	0.0250	2.50	ND	96.7	43-135	2.66	27	
p,m-Xylene	4.80	0.0500	5.00	ND	96.0	43-135	2.77	27	
Total Xylenes	7.22	0.0250	7.50	ND	96.2	43-135	2.73	27	
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			





## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rattle Snake 16 SWD	<b>Reported:</b>
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/6/2023 11:27:33AM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2313086-BLK1)

Prepared: 03/31/23 Analyzed: 04/03/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.594		0.500		119	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

## LCS (2313086-BS2)

Prepared: 03/31/23 Analyzed: 04/03/23

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0		103	70-130			
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.584		0.500		117	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

## Matrix Spike (2313086-MS2)

Source: E303155-21

Prepared: 03/31/23 Analyzed: 04/03/23

Gasoline Range Organics (C6-C10)	52.5	20.0	50.0	ND	105	70-130			
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.569		0.500		114	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

## Matrix Spike Dup (2313086-MSD2)

Source: E303155-21

Prepared: 03/31/23 Analyzed: 04/03/23

Gasoline Range Organics (C6-C10)	51.8	20.0	50.0	ND	104	70-130	1.22	20	
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.567		0.500		113	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rattle Snake 16 SWD	<b>Reported:</b>
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/6/2023 11:27:33AM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2313088-BLK1)

Prepared: 03/31/23 Analyzed: 04/01/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.457		0.500		91.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

## LCS (2313088-BS2)

Prepared: 03/31/23 Analyzed: 04/01/23

Gasoline Range Organics (C6-C10)	51.7	20.0	50.0		103	70-130			
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			

## Matrix Spike (2313088-MS2)

Source: E303155-01

Prepared: 03/31/23 Analyzed: 04/01/23

Gasoline Range Organics (C6-C10)	50.2	20.0	50.0	ND	100	70-130			
Surrogate: Bromofluorobenzene	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

## Matrix Spike Dup (2313088-MSD2)

Source: E303155-01

Prepared: 03/31/23 Analyzed: 04/01/23

Gasoline Range Organics (C6-C10)	50.9	20.0	50.0	ND	102	70-130	1.45	20	
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rattle Snake 16 SWD	Reported:  4/6/2023 11:27:33AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2313099-BLK1)					Prepared: 04/01/23 Analyzed: 04/04/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.0		50.0		108	50-200			

LCS (2313099-BS1)					Prepared: 04/01/23 Analyzed: 04/04/23				
Diesel Range Organics (C10-C28)	277	25.0	250		111	38-132			
Surrogate: n-Nonane	52.5		50.0		105	50-200			

Matrix Spike (2313099-MS1)					Source: E303155-07		Prepared: 04/01/23 Analyzed: 04/04/23		
Diesel Range Organics (C10-C28)	297	25.0	250	ND	119	38-132			
Surrogate: n-Nonane	52.0		50.0		104	50-200			

Matrix Spike Dup (2313099-MSD1)					Source: E303155-07		Prepared: 04/01/23 Analyzed: 04/04/23		
Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	38-132	4.68	20	
Surrogate: n-Nonane	50.3		50.0		101	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rattle Snake 16 SWD	Reported:  4/6/2023 11:27:33AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2313100-BLK1)					Prepared: 04/01/23 Analyzed: 04/05/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.2		50.0		118	50-200			

LCS (2313100-BS1)					Prepared: 04/01/23 Analyzed: 04/05/23				
Diesel Range Organics (C10-C28)	282	25.0	250		113	38-132			
Surrogate: n-Nonane	57.0		50.0		114	50-200			

Matrix Spike (2313100-MS1)					Source: E303154-26		Prepared: 04/01/23 Analyzed: 04/05/23		
Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	38-132			
Surrogate: n-Nonane	55.9		50.0		112	50-200			

Matrix Spike Dup (2313100-MSD1)					Source: E303154-26		Prepared: 04/01/23 Analyzed: 04/05/23		
Diesel Range Organics (C10-C28)	299	25.0	250	ND	120	38-132	0.291	20	
Surrogate: n-Nonane	55.5		50.0		111	50-200			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rattle Snake 16 SWD	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/6/2023 11:27:33AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2313079-BLK1)					Prepared: 03/30/23 Analyzed: 04/01/23				
Chloride	ND	20.0							
LCS (2313079-BS1)					Prepared: 03/30/23 Analyzed: 04/01/23				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2313079-MS1)					Source: E303155-01		Prepared: 03/30/23 Analyzed: 04/02/23		
Chloride	332	20.0	250	88.6	97.4	80-120			
Matrix Spike Dup (2313079-MSD1)					Source: E303155-01		Prepared: 03/30/23 Analyzed: 04/02/23		
Chloride	351	20.0	250	88.6	105	80-120	5.56	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rattle Snake 16 SWD	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/6/2023 11:27:33AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2313083-BLK1)					Prepared: 03/30/23 Analyzed: 04/03/23				
Chloride	ND	20.0							
LCS (2313083-BS1)					Prepared: 03/30/23 Analyzed: 04/03/23				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2313083-MS1)					Source: E303154-21		Prepared: 03/30/23 Analyzed: 04/03/23		
Chloride	267	20.0	250	ND	107	80-120			
Matrix Spike Dup (2313083-MSD1)					Source: E303154-21		Prepared: 03/30/23 Analyzed: 04/03/23		
Chloride	268	20.0	250	ND	107	80-120	0.306	20	

QC Summary Report Comment:  
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.  
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Rattle Snake 16 SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	04/06/23 11:27

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

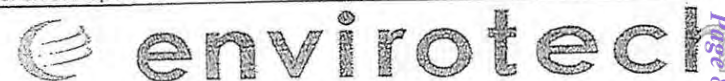


## Project Information

## Chain of Custody

Page 1 of 3

Client: Pima Environmental Services Project: <u>Rattle Snake Lake SWD</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-267</u>					Lab Use Only Lab WO# <u>E303155</u> Job Number <u>01036-0007</u> Analysis and Method						TAT 1D 2D 3D Standard <u>X</u>				EPA Program CWA SDWA RCRA	
											State NM CO UT AZ TX <u>X</u>										
											DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX				Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																
1:05 pm	3/29/23	S	1	S1-1'	1																
1:10				S2-1'	2																
1:15				S3-1'	3																
1:20				S4-1'	4																
1:25				S5-1'	5																
1:30				S6-1'	6																
1:35				S1-3'	7																
1:40				S2-3'	8																
1:45				S3-3'	9																
1:50				S4-3'	10																
Additional Instructions: <u>Billing#: 21130338</u>																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																					
Relinquished by: (Signature) <u>AB</u> Date <u>3-30-23</u> Time <u>2:00</u> Received by: (Signature) <u>Michelle Cuyals</u> Date <u>3-30-23</u> Time <u>1400</u>																					
Relinquished by: (Signature) <u>Michelle Cuyals</u> Date <u>3-30-23</u> Time <u>1730</u> Received by: (Signature) <u>Lorens Lin</u> Date <u>3-30-23</u> Time <u>1736</u>																					
Relinquished by: (Signature) <u>Lorens Lin</u> Date <u>3-30-23</u> Time <u>2319</u> Received by: (Signature) <u>Alvin</u> Date <u>3-31-23</u> Time <u>5:45</u>																					
Sample Matrix: <u>S</u> - Soil, <u>Sl</u> - Solid, <u>Sg</u> - Sludge, <u>A</u> - Aqueous, <u>O</u> - Other																					
Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA																					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					





## Project Information

## Chain of Custody

Page 2 of 3

Client: Pima Environmental Services Project: <u>Rattle Snake Island</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-267</u>					Lab Use Only Lab WO# <u>E303155</u> Job Number <u>01058-0007</u> Analysis and Method					TAT 1D 2D 3D Standard <u>X</u>				EPA Program CWA SDWA RCRA	
															State NM CO UT AZ TX <u>X</u>				Remarks	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX							
1:55	3/29/23	S	1	S5-3'	11							<u>X</u>								
2:00				S6-3'	12															
2:05				S1-4'	13															
2:10				S2-4'	14															
2:15				S3-4'	15															
2:20				S4-4'	16															
2:25				S5-4'	17															
2:30				S6-4'	18															
2:35				SW1	19															
2:40				SW2	20															

Additional Instructions: Billing# 21130338

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Audriana Benavides

Relinquished by: (Signature) <u>AB</u>	Date <u>3-30-23</u>	Time <u>2:00</u>	Received by: (Signature) <u>Michelle Campbell</u>	Date <u>3-30-23</u>	Time <u>1400</u>
Relinquished by: (Signature) <u>Michelle Campbell</u>	Date <u>3-30-23</u>	Time <u>1730</u>	Received by: (Signature) <u>Lorenzo Lee</u>	Date <u>3-30-23</u>	Time <u>1730</u>
Relinquished by: (Signature) <u>Lorenzo Lee</u>	Date <u>3-30-23</u>	Time <u>2315</u>	Received by: (Signature) <u>Ally</u>	Date <u>3-31-23</u>	Time <u>5:45</u>

Sample Matrix: S - Soil; sd - Solid; Sg - Sludge; A - Aqueous; O - Other

Container Type: g - glass; p - poly/plastic; ag - amber glass; v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



## Project Information

## Chain of Custody

Page 3 of 3

Client: Pima Environmental Services					Bill To		Lab Use Only						TAT				EPA Program	
Project: <u>Rattle snake 110 subs</u>					Attention: <u>Devon</u>		Lab WO# <u>E303155</u>		Job Number <u>0058-0007</u>		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: Tom Bynum					Address:		Analysis and Method										RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip													
City, State, Zip: Hobbs, NM, 88240					Phone:													
Phone: 580-748-1613					Email:													
Email: tom@pimaoil.com					Pima Project # <u>1-267</u>													
Report due by:																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	State				Remarks
2:45	3/29/23	S	1	SW3	21							X		NM	CO	UT	AZ	TX
2:50				SW4	22													
2:55				SW5	23													
3:00				SW6	24													
3:05				BG1	25													

## Additional Instructions:

Billing # 21130338

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Relinquished by: (Signature) <u>AB</u>						Received by: (Signature) <u>Audriana Benavidez</u>					
Date		Time		Date		Time		Date		Time	
3-30-23		2:00		3-30-23		1400		3-30-23		1730	
Relinquished by: (Signature) <u>Michelle Gonzalez</u>						Received by: (Signature) <u>Forenza</u>					
Date		Time		Date		Time		Date		Time	
3-30-23		1730		3-30-23		5:45		3-30-23		5:45	
Relinquished by: (Signature) <u>Forenza</u>						Received by: (Signature) <u>Forenza</u>					
Sample Matrix: S - Soil, sd - Solid, Sg - Sludge, A - Aqueous, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.											

envirotech

## Envirotech Analytical Laboratory

Printed: 3/31/2023 10:01:13AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	03/31/23 05:45	Work Order ID:	E303155
Phone:	(575) 631-6977	Date Logged In:	03/30/23 15:51	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	04/06/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

**From:** [Delrae Pima Oil](#)  
**To:** [Wells, Shelly, EMNRD](#)  
**Subject:** [EXTERNAL] Re: NAB1913345254 RATTLESNAKE 16 SWD #001  
**Date:** Wednesday, April 9, 2025 8:02:05 AM

---

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good morning Shelly,

S1-S10 will not be composite samples. These samples will be grab samples from surface, 1', 2', 3', and 4' bgs. SW1-SW8 will also be grab samples from surface, 1', 2', 3', & 4' bgs. The purpose of collecting the samples this way is to adequately determine if any contamination exists within the top four feet. If contamination does not exist, we are looking to use these samples towards closure. Let me know if you have any other questions or concerns, I appreciate you reaching out.

Thank you,

DelRae Geller  
Project Manager  
Cell: 806-724-5391  
Office: 575-964-7700



Pima Environmental Services, LLC.  
5614 N Lovington Hwy.  
Hobbs, NM 88240

On Tue, Apr 8, 2025 at 2:01 PM Wells, Shelly, EMNRD <[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)> wrote:

Good afternoon DelRae,

I am reviewing the remediation plan for NAB1913345254 RATTLESNAKE 16 SWD #001 and have a question regarding the proposed sampling plan. For S1 through S10, are you saying that you plan to collect grab samples at each location, 1 at surface, the next at 1', 2', 3' and 4' depths? Or are you planning to composite them altogether in one sample? And for the horizontal samples, SW1 through SW8, are they just going to be collected at surface as grab samples? The wording in the remediation plan is not 100 percent clear. Before I can approve the plan, I would like to ensure I understand what is being proposed. I look forward to hearing what you have to say.



Kind regards,

Shelly

Shelly Wells \* Environmental Specialist-Advanced

Environmental Bureau

EMNRD-Oil Conservation Division

1220 S. St. Francis Drive|Santa Fe, NM 87505

(505)469-7520 [Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)

<http://www.emnrd.state.nm.us/OCD/>

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 446120

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 446120
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAB1913345254
Incident Name	NAB1913345254 RATTLESNAKE 16 SWD #001 @ 30-025-42355
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Well	[30-025-42355] RATTLESNAKE 16 SWD #001

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	RATTLESNAKE 16 SWD #001
Date Release Discovered	04/14/2019
Surface Owner	State

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
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

<b>Nature and Volume of Release</b>	
<i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Pump   Produced Water   Released: 11 BBL   Recovered: 0 BBL   Lost: 11 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.

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

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**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 446120

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 446120
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.

*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: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 03/27/2025
--	---

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

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**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 446120

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 446120
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Site Characterization</b>	
<i>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.</i>	
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	Direct Measurement
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	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 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	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 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

<b>Remediation Plan</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>	
Requesting a remediation plan approval with this submission	Yes
<i>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.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	429
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	25.6
GRO+DRO (EPA SW-846 Method 8015M)	25.6
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<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>	
On what estimated date will the remediation commence	05/01/2025
On what date will (or did) the final sampling or liner inspection occur	03/29/2023
On what date will (or was) the remediation complete(d)	06/01/2025
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	4200
What is the estimated volume (in cubic yards) that will be remediated	420
<i>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.</i>	
<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>	



Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 4

Action 446120

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 446120
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**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	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
<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: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 03/27/2025
<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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QUESTIONS, Page 5

Action 446120

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 446120
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
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.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 446120

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 446120
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

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	No

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CONDITIONS

Action 446120

## CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 446120
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

## CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved with conditions. When the remediation closure report is submitted, the minimum distances to the following should be updated in the C-141 application: a significant watercourse (as seen by the dashed line on pg. 8 of report is 1/2-1 mile to the east), any playa lake (1-5 miles to NW) and a wetland (1000 ft -1/2 mi to east). These should also be updated in the report. Submit remediation closure report to the OCD by 6/9/2025.	4/9/2025