

BURTON FLAT DEEP UNIT 44 SWD

OCD INCIDENT nAPP2410758305

4/16/2024

<b>Spill Volume(Bbls) Calculator</b>	
<i>Inputs in blue, Outputs in red</i>	
<b>Contaminated Soil measurement</b>	
Area (sq feet)	Depth (in)
<u>3,500.00</u>	<u>3.00</u>
Cubic Feet of Soil Impacted	<u>875.00</u>
Barrels of Soil Impacted	<u>155.97</u>
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	<u>23.40</u>
Saturation	Fluid present when squeezed
Estimated Barrels of Oil Released	<u>11.70</u>
<b>Free Standing Fluid Only</b>	
Area (sq feet)	Depth (inches))
<u>4,000.00</u>	<u>0.360</u>
Standing fluid	<u>21.34</u>
<b>Total fluids spilled</b>	<b>33.04</b>

<b>Spill Volume(Bbls) Calculator</b>	
<i>Inputs in blue, Outputs in red</i>	
<b>Contaminated Soil measurement</b>	
Area (sq feet)	Depth (in)
<u>3,000.00</u>	<u>1.20</u>
Cubic Feet of Soil Impacted	<u>300.00</u>
Barrels of Soil Impacted	<u>53.48</u>
Soil Type	Clay
Barrels of Oil Assuming 100% Saturation	<u>5.35</u>
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	<u>5.35</u>
<b>Free Standing Fluid Only</b>	
Area (sq feet)	Depth (inches))
	<u>0.000</u>
Standing fluid	<u>0.00</u>
<b>Total fluids spilled</b>	<b>5.35</b>



209 W. McKay Street  
Carlsbad, New Mexico 88220  
Tel. 432-701-2159  
www.ntgenvironmental.com

June 4, 2024

Mike Bratcher  
District Supervisor  
Oil Conservation Division, District 2  
811 S. First Street  
Artesia, New Mexico 88210

Re: Site Characterization and Remediation Work Plan  
Burton Flat Deep Unit 44 SWD  
Unit L, Section 3, Township 21S, Range 27E  
Site Coordinates: 32.51149125, -104.180632  
Eddy County, New Mexico  
Incident ID: nAPP2410758305

## **Introduction**

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this Site Characterization and Remediation Work Plan for submittal to the New Mexico Oil Conservation Division (NMCOD) District 2 Office in Artesia, New Mexico to document site assessment and sample analysis results for the Burton Flat Deep Unit 44 SWD (Site). The Site is located within Unit Letter L, Section 3, of Township 21 South and Range 27 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.51149125° N latitude and 104.180632° W longitude. The Site location with respect to the nearest town is shown in Figure 1 and the topography of the area is shown in Figure 2.

## **Background**

Based on the Release Notification C-141 Form, the release occurred on April 16, 2024, due to equipment failure. Upon discovery, the Site was shut-in and repairs ensued. The spill resulted in a release of approximately thirty-eight (38) barrels (bbl) of produced water of which thirty (30) bbls were recovered for an approximate net loss of eight (8) bbl of produced water. The release area is shown in Figure 3.

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Mr. Mike Bratcher  
 June 4, 2024  
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## **Groundwater and Site Characterization**

Based on a review of the New Mexico Office of State Engineers and USGS databases, there is one water well (C-02907) located within a ½-mile radius of the site. Groundwater was encountered at a recorded depth of 14 feet below ground surface (ft bgs). No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or distance from the Site. According to the Karst Potential Map, the Site is located within a high Karst area. The Site characterization documentation (Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) are attached to the report.

NTGE characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, from the New Mexico Administrative Code (NMCA) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12).

### *General Site Characterization and Groundwater:*

Site Characterization	Average Groundwater Depth (ft)
High Karst	14

*Table 3.1 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12 & 19.15.29.13)*

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	TPH (GRO+MRO)	BTEX	Benzene
19.15.29.13 Restoration, Reclamation and Re-Vegetation (Impacted Area 0-4 Feet)	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
19.15.23.12 Remediation and Closure Criteria for Soils Impacted by a Release (>4 Feet)	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg

Notes:  
 --- = not defined

## **Initial Soil Delineation Assessment Summary and Findings**

On April 25<sup>th</sup>, 2024, NTGE conducted site assessment activities to assess the extent of impacts at the Site. A total of fifteen (15) vertical delineation points (V-1 through V-15) and nine (9) horizontal delineation points (H-1 through H-9) were installed within and adjacent to the release area in order to characterize the impact. Soil samples were collected at half (0.5) feet (ft) to one (1) ft intervals to a maximum depth of eight and a half (8.5) ft below grade surface (bgs), with a geotechnical hand auger. The samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA method 8021B, total petroleum hydrocarbon (TPH) by method 8015M, and chloride by EPA method SM4500Cl-B by Cardinal Laboratories in Hobbs, New Mexico. The analytical results indicated that chloride concentrations exceeded the NMOCD regulatory limits in the areas of V-1 and V-5 up to four and half (4.5) ft bgs, V-2, V-8, V-12, and V-15 to a half (0.5) ft bgs, V-3 and V-4 to one and a half (1.5) ft bgs, V-6 and V-7 to eight and a half (8.5) ft bgs, All other samples were below NMOCD regulatory limits.

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Mr. Mike Bratcher  
June 4, 2024  
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On May 29<sup>th</sup> 2024, NTGE returned to the Site to complete vertical delineation. A total of four (4) vertical sample points (i.e., V-1, V-5, V-6, and V-7) were re-installed within the release area and collected at one (1) ft intervals ranging from six (6) ft bgs to eleven (11) ft bgs with a backhoe. The samples were analyzed for BTEX by EPA method 8021B, TPH by method 8015M, and chloride by EPA method SM4500Cl-B. Analytical results indicated that chloride concentrations exceeded the NMOCD regulatory limits in the areas of V-6 at ten (10) ft bgs, but was delineated at eleven (11) ft bgs.. All other samples were below NMOCD regulatory limits.

Analytical results are included in Table 1, while sampling locations are shown in Figure 3.

### **Proposed Work Plan**

After receiving and evaluating the soil boring data, NTGE proposes to excavate the soils in the areas of V-1 and V-5 to a depth of six (6) ft bgs, V-2, V-8, V-12, and V-15 to a depth of one (1) ft bgs, V-3 and V-4 to a depth of two (2) ft bgs, V-6 to a depth of eleven (11) ft bgs, and V-7 to a depth of nine (9) ft bgs to ensure that the impacted soil has been removed. A minimum of approximately 3,576 cubic yards of impacted material will be removed to remediate the impacted area. Confirmation samples will be taken with a five (5) point composite sample and represent an area no greater than 200 square feet to comply with NMAC 19.15.23.12 and 19.15.29.13. Discrete soil samples will be collected from the sidewalls and bottom of the excavation if any staining is observed.

All confirmation samples will be taken to a certified laboratory and analyzed for BTEX by EPA Method 8021B, TPH by EPA Method 8015M Modified and chloride by EPA 300.0/9056A. If any of the confirmation samples collected exhibit concentrations above regulatory standards set by NMAC 19.15.23.12 and 19.15.23.13 the areas will be further excavated until concentrations are below Table 3.1 Closure Criteria. Remediation will be complete within 90 days of approval from the NMOCD to proceed.

If you have any questions regarding this letter, please contact us at (432)-701-2159.

Sincerely,  
**NTG Environmental**



Ethan Sessums  
Project Manager

Attachments:

- Table
- Figures
- Site Characterization Documentation
- Photographic Log
- Laboratory Reports and Chain-of-Custody Documents

NTGE Project No.: 237289



**TABLE**

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Table 1
Summary of Soil Analytical Data - Delineation Samples
Burton Flat Deep Unit 44 SWD
Devon Energy Production Company
Eddy County, New Mexico

Table with columns: Sample ID, Sample Date, Depth (ft bgs), Benzene, Toluene, Ethylbenzene, Xylenes, BTEX, GRO (C6-C10), DRO (C10-C28), GRO + DRO (C6-C28), MRO (C28-C35), Total GRO/DRO/MRO (C6-C35), Chloride. Includes data for vertical delineation samples (V-1 to V-15) and horizontal samples (H-1 to H-9).

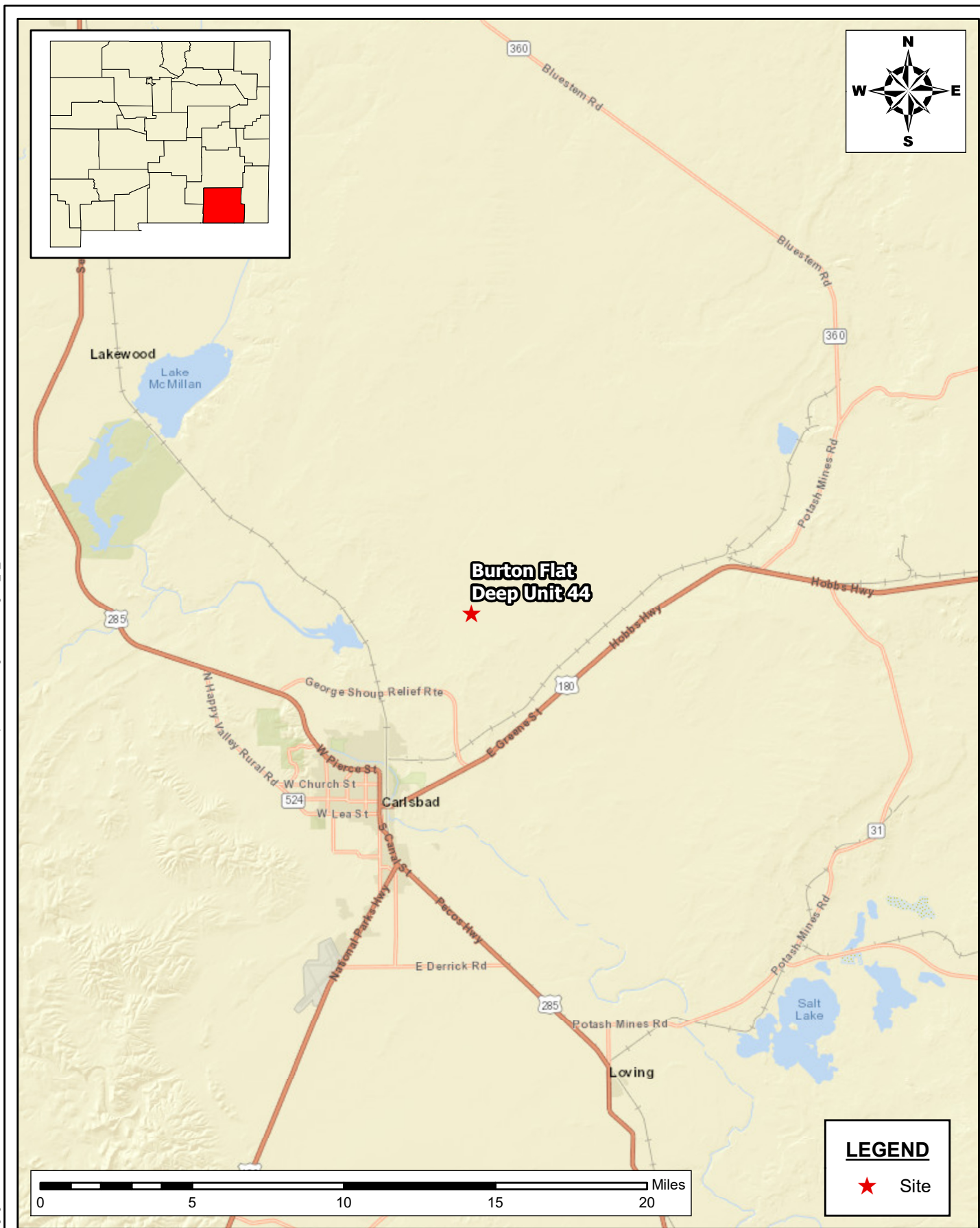
Notes:

- 1. Values reported in mg/kg
2. < = Value Less Than Reporting Limit (RL)
3. Bold indicates Analyte Detected
4. BTEX analyses by EPA Method SW 8021B
5. TPH analyses by EPA Method SW 8015 Mod.
6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).
9. --- Not Analyzed

## **FIGURES**

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**SITE LOCATION MAP**  
**SITE ASSESSMENT AND REMEDIAL ACTION PLAN REPORT**  
**DEVON ENERGY PRODUCTION COMPANY**  
**BURTON FLAT DEEP UNIT 44**  
**EDDY COUNTY, NEW MEXICO**

SCALE: As Shown    Date: 6/4/2024    PROJECT #237289

**New Tech Global Environmental, LLC**  
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 Houston, Texas 77060  
 T - 281.872.9300  
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 Web: www.ntgenvironmental.com



**NOTES:**  
 1. Base Image: ESRI Maps & Data 2013  
 2. Map Projection: NAD 1983

DRAWING NUMBER:

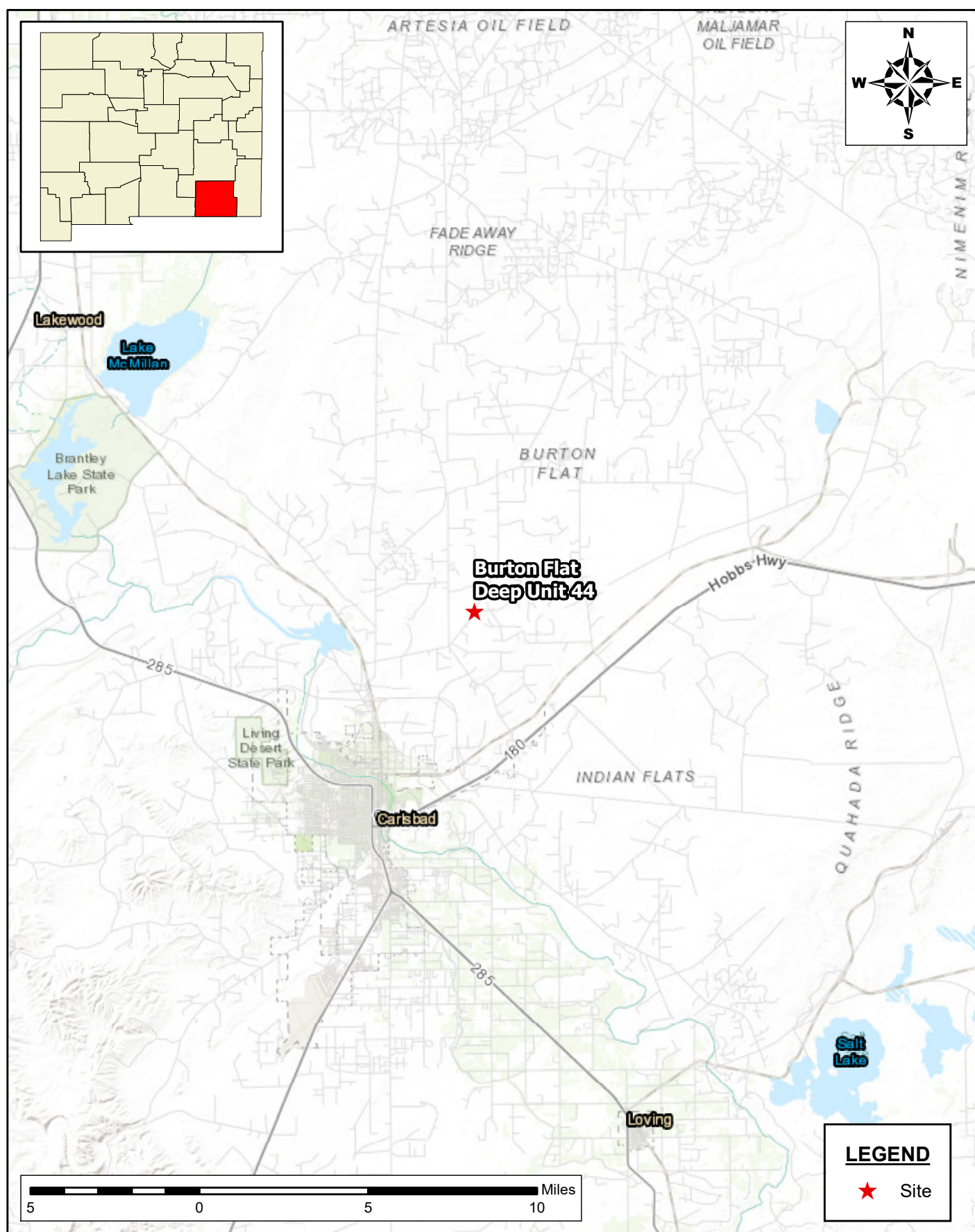
**FIGURE 1**

SHEET NUMBER:

**1 of 1**



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**TOPOGRAPHIC MAP**  
**SITE ASSESSMENT AND REMEDIAL ACTION PLAN REPORT**  
**DEVON ENERGY PRODUCTION COMPANY**  
 BURTON FLAT DEEP UNIT 44  
 EDDY COUNTY, NEW MEXICO

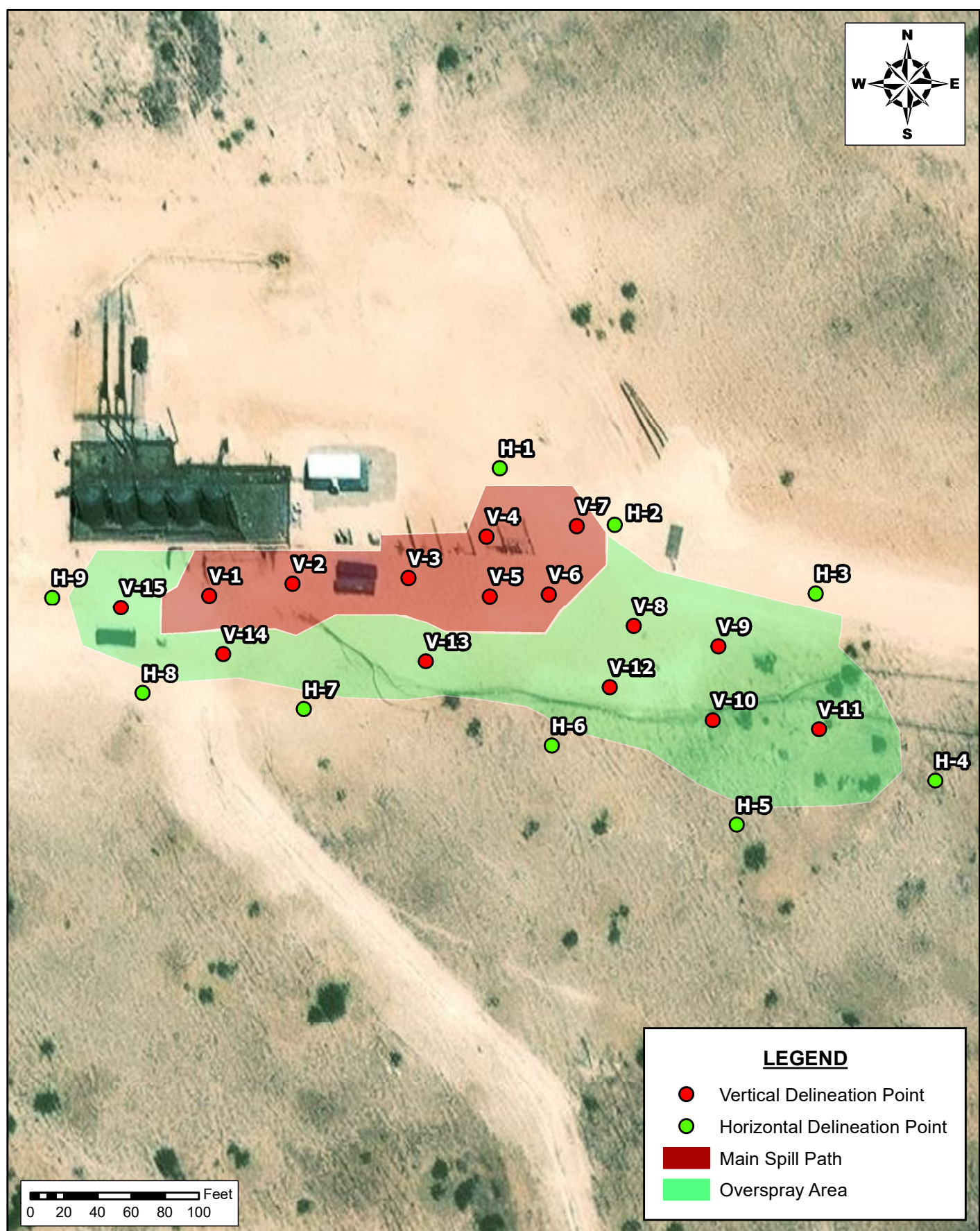
 **NTG ENVIRONMENTAL**  
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 Web: www.ntgenvironmental.com

**NOTES:**  
 1. Base Image: ESRI Maps & Data 2013  
 2. Map Projection: NAD 1983

DRAWING NUMBER:  
**FIGURE 2**  
 SHEET NUMBER:  
**1 of 1**

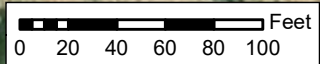
SCALE: As Shown    Date: 6/4/2024    PROJECT #:237289

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**LEGEND**

- Vertical Delineation Point
- Horizontal Delineation Point
- Main Spill Path
- Overspray Area



**DELINEATION SAMPLING MAP**  
**SITE ASSESSMENT AND REMEDIAL ACTION PLAN REPORT**  
 DEVON ENERGY PRODUCTION COMPANY  
 BURTON FLAT DEEP UNIT 44  
 EDDY COUNTY, NEW MEXICO

**NTG**  
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**NOTES:**  
 1. Base Image: ESRI Maps & Data 2013  
 2. Map Projection: NAD 1983

DRAWING NUMBER:  
**FIGURE 3**  
 SHEET NUMBER:  
**1 of 1**

# Proposed Excavation Map

Burton Flat Deep Unit 44  
Devon Energy Production

Eddy County, New Mexico

Area of Purple; 12,777 sqft x 1 ft ~ 473 CY  
 Area of Green; 1,378 sqft x 11 ft ~ 561 CY  
 Area of Blue; 4,935 sqft x 2 ft ~ 366 CY  
 Area of Teal; 3,659 sqft x 6 ft ~ 813 CY  
 Area of Red; 1,612 sqft x 9 ft ~ 156 CY  
 Total Excavation Area w/ 30% fluff ~ 3575.82 CY

sqft - square feet  
CY - cubic yard

## Legend

-  1 ft Excavation
-  11 ft Excavation
-  2 ft Excavation
-  6 ft Excavation
-  9 ft Excavation



Google Earth



100 ft

## **SITE CHARACTERIZATION DOCUMENTATION**

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# National Flood Hazard Layer FIRMMette



104°11'9"W 32°30'57"N



## Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		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 <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs

GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
OTHER FEATURES		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature

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 4/25/2024 at 1:02 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.

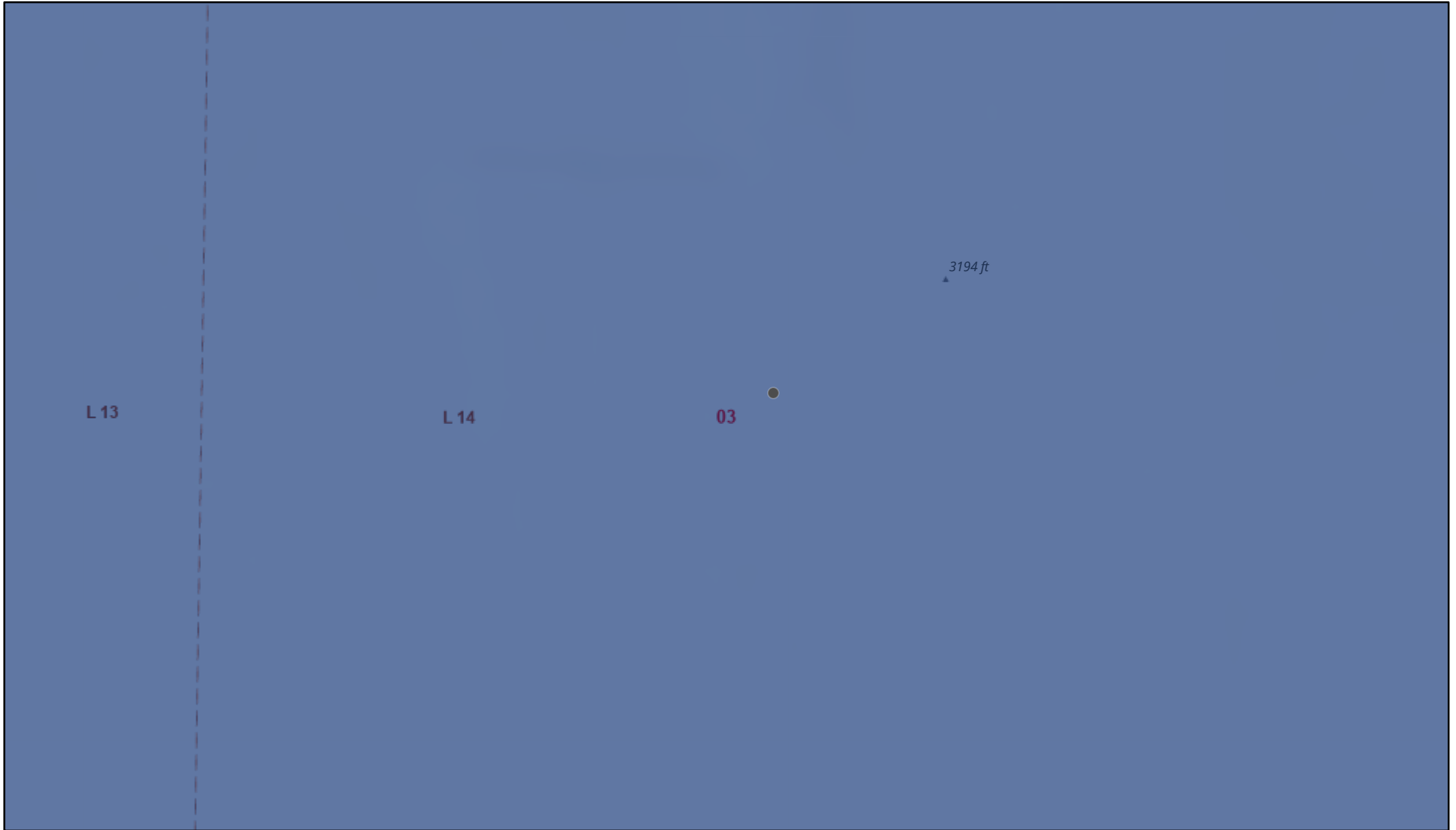
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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



1:6,000

104°10'32"W 32°30'26"N

# Karst Potential Map



4/25/2024, 12:44:06 PM

Karst Occurrence Potential

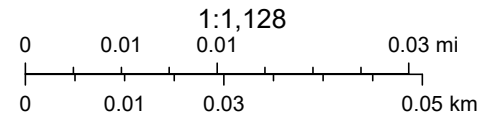
High



PLSS Second Division

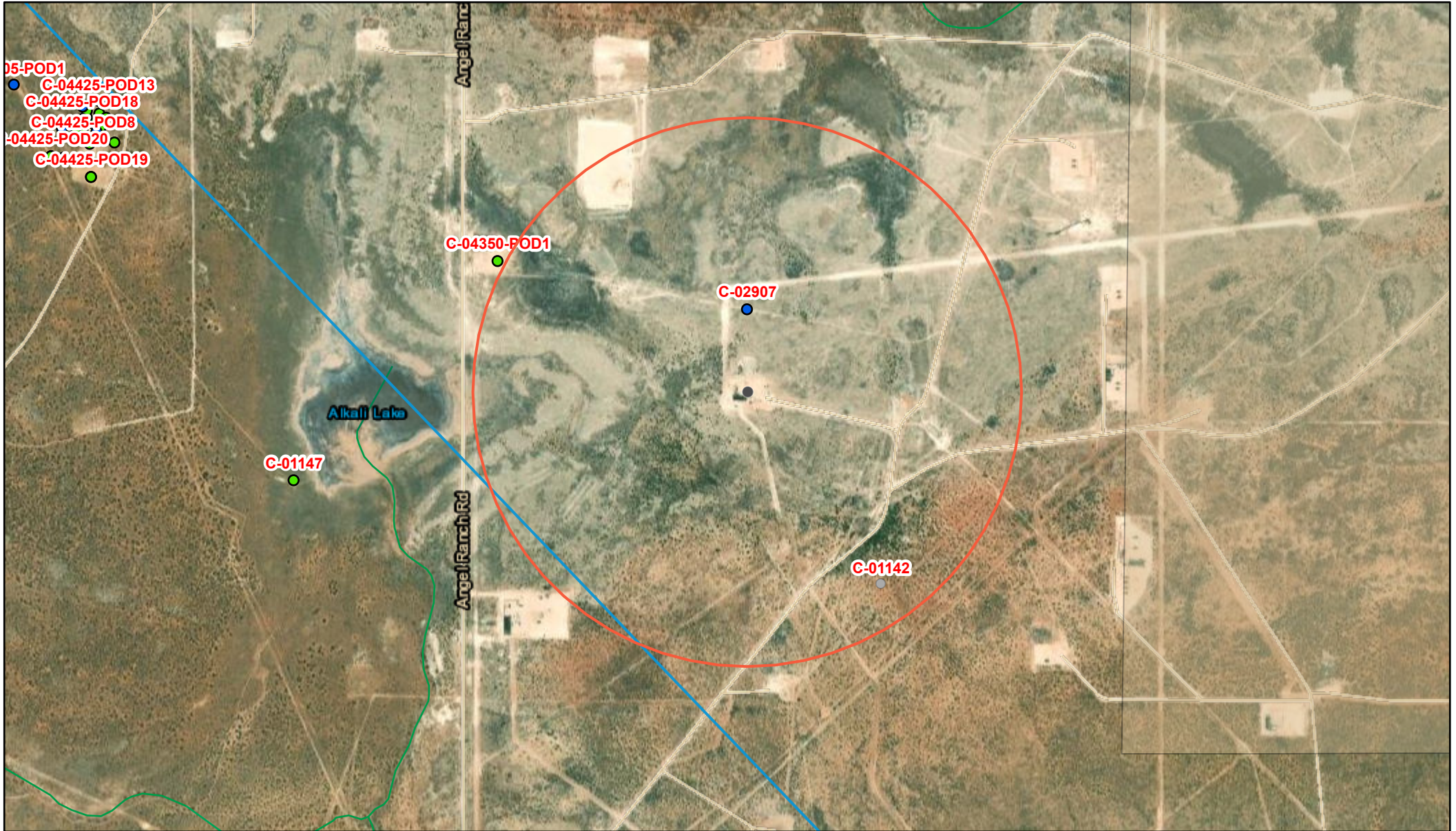


PLSS First Division



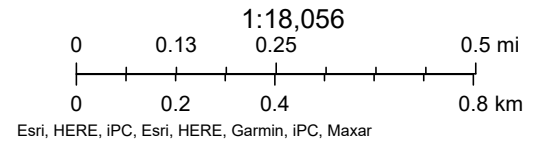
BLM, OCD, New Mexico Tech, Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community, OCD, Esri Community Maps Contributors, New Mexico State University, Texas

# OSE POD Location Map



4/25/2024, 12:09:54 PM

- Override 1
- Active
- Pending
- OSE District Boundary
- Artesian Planning Area
- Subsurface Estate
- NHD Flowlines
- Connector
- Stream River
- Artificial Path





# New Mexico Office of the State Engineer Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
C	02907	3	2	1	03	21S	27E	576959	3597669*

**Driller License:** 1348      **Driller Company:** TAYLOR WATER WELL SERVICE

**Driller Name:**

<b>Drill Start Date:</b> 01/29/2003	<b>Drill Finish Date:</b> 01/29/2003	<b>Plug Date:</b>
<b>Log File Date:</b> 02/10/2003	<b>PCW Rcv Date:</b>	<b>Source:</b> Shallow
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b> 100 GPM
<b>Casing Size:</b> 5.00	<b>Depth Well:</b> 52 feet	<b>Depth Water:</b> 14 feet

<b>Water Bearing Stratifications:</b>	<b>Top</b>	<b>Bottom</b>	<b>Description</b>
	35	52	Sandstone/Gravel/Conglomerate

<b>Casing Perforations:</b>	<b>Top</b>	<b>Bottom</b>
	25	52

\*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.

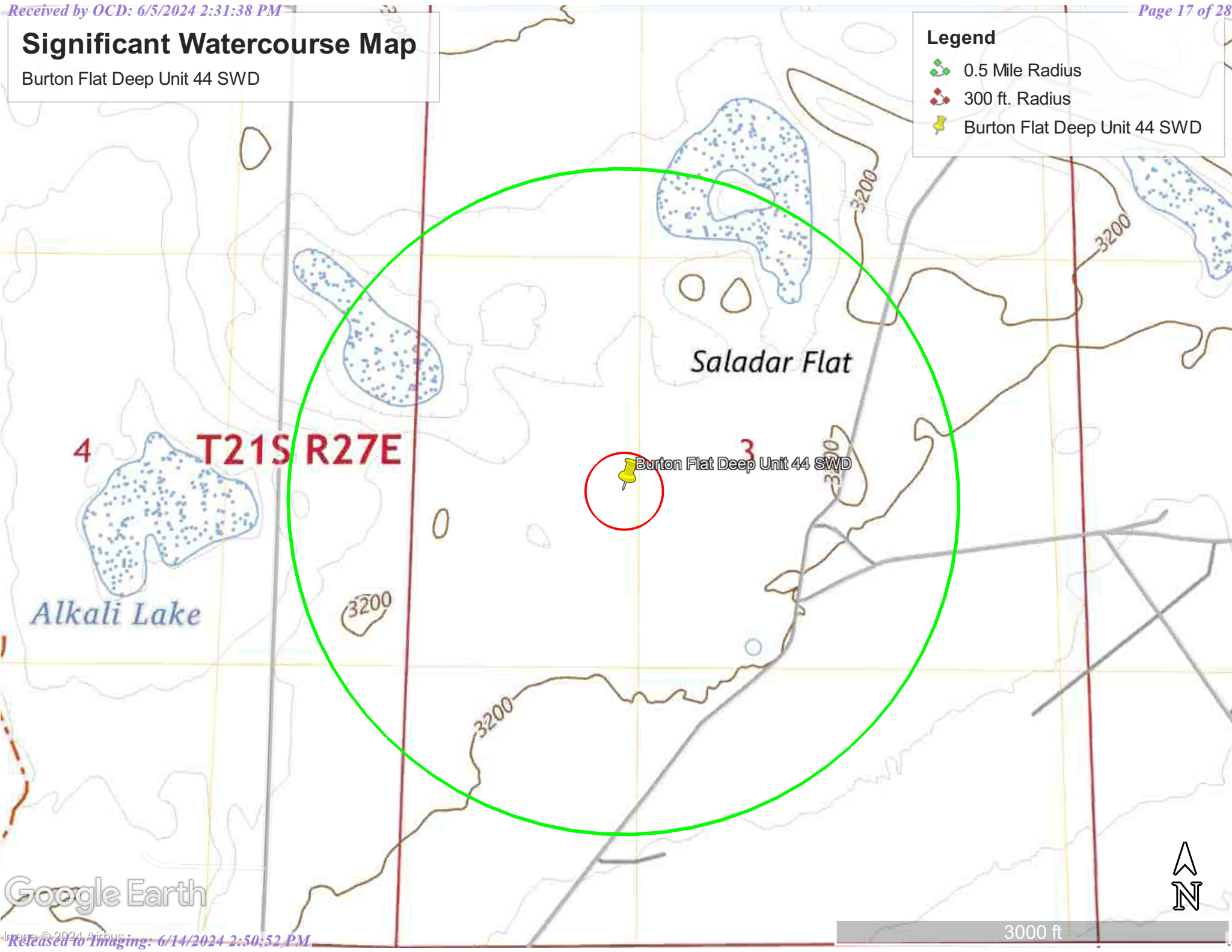


# Significant Watercourse Map

Burton Flat Deep Unit 44 SWD

**Legend**

-  0.5 Mile Radius
-  300 ft. Radius
-  Burton Flat Deep Unit 44 SWD



Google Earth



U.S. Fish and Wildlife Service  
National Wetlands Inventory









# Wetlands Map



U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands\_team@fws.gov

April 25, 2024

### Wetlands

- |  |   |  |
|--|---|--|
|  Estuarine and Marine Deepwater |  Freshwater Emergent Wetland       |  Lake     |
|  Estuarine and Marine Wetland   |  Freshwater Forested/Shrub Wetland |  Other    |
|  |  Freshwater Pond                   |  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.

**PHOTOGRAPHIC LOG**

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# PHOTOGRAPHIC LOG

## Devon Energy Production Company

### Photograph No. 1

**Facility:** Burton Flat Deep Unit 44

**County:** Eddy County, New Mexico

**Description:**  
Area of Concern.



### Photograph No. 2

**Facility:** Burton Flat Deep Unit 44

**County:** Eddy County, New Mexico

**Description:**  
Area of Concern.



### Photograph No. 3

**Facility:** Burton Flat Deep Unit 44

**County:** Eddy County, New Mexico

**Description:**  
Area of Concern.



# PHOTOGRAPHIC LOG

## Devon Energy Production Company

### Photograph No. 4

**Facility:** Burton Flat Deep Unit 44

**County:** Eddy County, New Mexico

**Description:**  
Area of Concern.



### Photograph No. 5

**Facility:** Burton Flat Deep Unit 44

**County:** Eddy County, New Mexico

**Description:**  
Area of Concern.



### Photograph No. 6

**Facility:** Burton Flat Deep Unit 44

**County:** Eddy County, New Mexico

**Description:**  
Area of Concern.



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

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

QUESTIONS  
 Action 351135

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 351135
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2410758305
Incident Name	NAPP2410758305 BURTON FLAT DEEP UNIT 44 SWD @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Facility	[fAPP2130153693] BURTON FLAT DEEP UNIT 44 SWD

**Location of Release Source**

*Please answer all the questions in this group.*

Site Name	BURTON FLAT DEEP UNIT 44 SWD
Date Release Discovered	04/16/2024
Surface Owner	Federal

**Incident Details**

*Please answer all the questions in this group.*

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

**Nature and Volume of Release**

*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Pipeline (Any)   Produced Water   Released: 38 BBL   Recovered: 30 BBL   Lost: 8 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)	A 4" poly line was leaking water. Valves were shut on the line to isolate the leak. 30 bbls were recovered. 38.4 bbls of produced water were spilled onto the ground, not in a lined containment.

**District I**  
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**District II**  
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 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 2

Action 351135

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 351135
	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)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.</b>
<i>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.</i>	

**Initial Response**

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 06/05/2024
--	--

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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 (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 351135
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

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

Requesting a remediation plan approval with this submission	Yes
<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

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

Chloride (EPA 300.0 or SM4500 Cl B)	33600
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	07/15/2024
On what date will (or did) the final sampling or liner inspection occur	08/15/2024
On what date will (or was) the remediation complete(d)	09/01/2024
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	24361
What is the estimated volume (in cubic yards) that will be remediated	3576

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

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



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QUESTIONS, Page 4

Action 351135

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 351135
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

**Remediation Plan (continued)**

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.

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)

(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	LEA LAND LANDFILL [fEEM0112342028]
<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.

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 hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 06/05/2024
--	--

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

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QUESTIONS, Page 5

Action 351135

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 351135
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

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

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QUESTIONS, Page 6

Action 351135

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 351135
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

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

<b>Remediation Closure Request</b>	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 351135

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 351135
	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. There are no horizontal delineation points collected north of V-15, V-1, V-2 and V-3. Ensure this area is horizontally delineated during remedial efforts. Submit remediation closure report to the OCD by 9/12/2024.	6/14/2024