



209 W McKay St  
Carlsbad, New Mexico 88220  
Tel. 432.701.2159  
www.ntgenvironmental.com

October 21, 2024

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

**Re: Closure Report  
Thistle Unit #044H  
Devon Energy Production Company  
Site Location: Unit N, S33, T23S, R33E  
32.254921, -103.579361  
Lea County, New Mexico  
Incident ID: nAPP2420822342**

Mr. Bratcher:

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment and remedial action activities at the Thistle Unit #044H (Site) for submittal to the New Mexico Oil Conservation Division (NMCOD) District 2 Office in Artesia, New Mexico. The Site is located in Unit Letter N, Section 33, of Township 23 South and Range 33 East in Lea County, New Mexico. 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 initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release occurred on July 25, 2024. The release was the result of equipment failure and all released fluids were contained within the lined secondary containment. The leak resulted in the release of approximately ten (10) barrels (bbls) of produced water of which ten (10) bbls were recovered.

### **Site Characterization**

The site is located within a low Karst area. Based on a review of the New Mexico Office of State Engineers (NMOSE) and USGS databases, there is one known water source within a ½-mile radius of the Site. The nearest identified well is located approximately 0.26 miles southwest of the Site in Sec 33 T23S R33E. The well was drilled in 2023 to the reported depth of 101 feet below ground surface (ft bgs) with no groundwater encountered. No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or distance from the Site. A copy of the site characterization information and the associated NMOSE summary report is attached.

### **Regulatory Criteria**

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).

Mr. Mike Bratcher  
October 21, 2024  
Page 2 of 2

**General Site Characterization and Groundwater:**

| Site Characterization | Average Groundwater Depth (ft) |
|-----------------------|--------------------------------|
| Low Karst             | >101                           |

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

| Regulatory Standard  | Chloride     | TPH<br>(GRO+DRO+MRO) | GRO+DRO     | 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) | 10,000 mg/kg | 2,500 mg/kg          | 1,000 mg/kg | 50 mg/kg | 10 mg/kg |
| Notes:<br>--- = not defined  |              |                      |             |          |          |

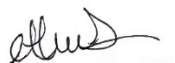
**Liner Inspection**

On September 17, 2024, NTGE conducted site assessment activities to assess the integrity and state of the tank battery's secondary containment liner. Upon inspection it was noted that the liner was intact with no visible holes or breaches, and free of any standing fluids. A photographic log documenting the condition of the liner at the time of the inspection is attached.

**Closing**

Based on the initial response and subsequent site assessment activities, the Site is compliant, and no further actions are required. Devon formally requests a no further action designation for the Site (nAPP2420822342). If you have any questions regarding this report or need additional information, please contact us at 432-701-2159.

Sincerely,  
**NTG Environmental**



Ethan Sessums  
Project Manager

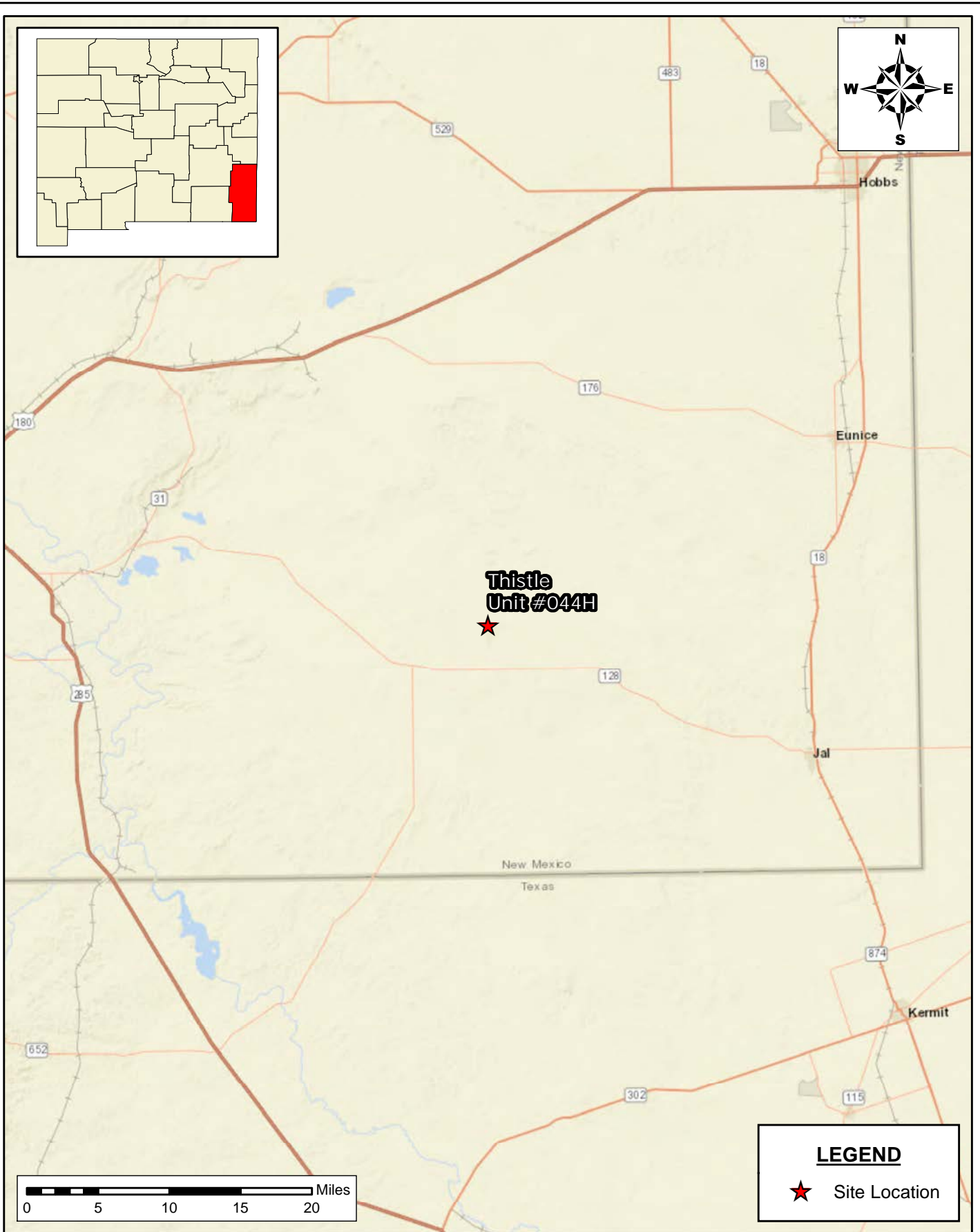
**Attachments:**

Site Characterization Information  
Figures  
Photographic Log

## **FIGURES**

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Document Path: C:\Users\ntg\gis\New Tech Global\NTGE - Documents\NTGE - Projects\2024 PROJECTS\DEVON\NRSC\238090 - Horned Viper 20 FED COM 1H17 - Figures\GIS\Figure\_1\_SL.mxd



**SITE LOCATION MAP**  
**SITE CHARACTERIZATION AND LINER CLOSURE REPORT**  
**DEVON ENERGY PRODUCTION COMPANY**  
**THISTLE UNIT #044H**  
**LEA COUNTY, NEW MEXICO**

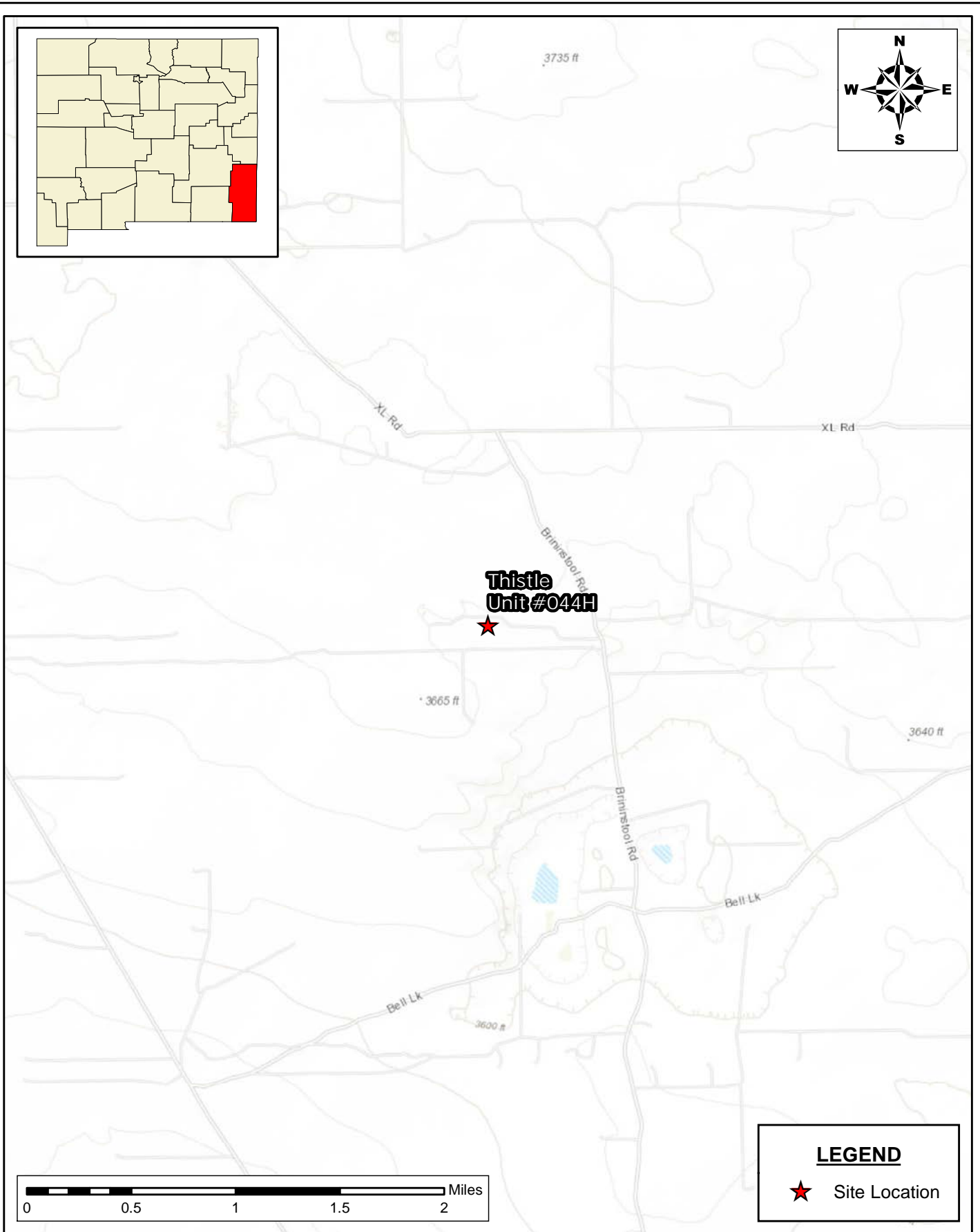
SCALE: As Shown    Date: 9/10/2024    PROJECT #: 226502

  
**New Tech Global Environmental, LLC**  
 911 Regional Park Drive  
 Houston, Texas 77060  
 T - 281.872.9300  
 F - 281.872.4521  
 Web: www.ntgenviroinmental.com

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

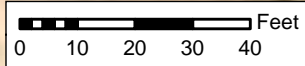
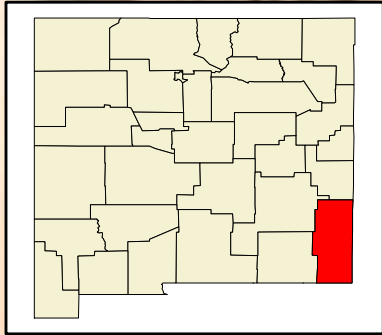
**DRAWING NUMBER:**  
**FIGURE 1**  
**SHEET NUMBER:**  
**1 of 1**

Document Path: C:\Users\ntg\gis\New Tech Global\NTGE - Documents\NTGE - Projects\2024 PROJECTS\DEVON\NRSC\238090 - Horned Viper 20 FED COM 1H17 - Figures\GIS\Figure\_2\_.mxd




|   |                 |                   |   |  |   |  |   |  |
|---|-----------------|-------------------|---|--|---|--|---|--|
| <div>SITE LOCATION MAP</div> <div>SITE CHARACTERIZATION AND LINER CLOSURE REPORT</div> <div>DEVON ENERGY PRODUCTION COMPANY</div> <div>THISTLE UNIT #044H</div> <div>LEA COUNTY, NEW MEXICO</div> |                 |                   | <div><div>NTG</div><div>ENVIRONMENTAL</div></div> <div><div>New Tech Global Environmental, LLC</div><div>911 Regional Park Drive</div><div>Houston, Texas 77060</div><div>T - 281.872.9300</div><div>F - 281.872.4521</div><div>Web: www.ntgenviroinmental.com</div></div> |  | <div><div>NOTES:</div><div>1. Base Image: ESRI Maps &amp; Data 2013</div><div>2. Map Projection: NAD 1983</div></div> |  | <div>DRAWING NUMBER:</div> <div>FIGURE 2</div> <div>SHEET NUMBER:</div> <div>1 of 1</div> |  |
| SCALE: As Shown   | Date: 9/10/2024 | PROJECT #: 226502 |   |  |   |  |   |  |

Document Path: C:\Users\ntg\gis\New Tech Global\NTGE - Documents\NTGE - Projects\2024 PROJECTS\DEVON\NRSC\238090 - Horned Viper 20 FED COM 1H\7 - Figures\GIS\Figure\_1\_SL.mxd



**LEGEND**

 Lined Secondary Containment

SECONDARY CONTAINMENT MAP  
SITE CHARACTERIZATION AND LINER CLOSURE REPORT  
DEVON ENERGY PRODUCTION COMPANY  
THISTLE UNIT #044H  
LEA COUNTY, NEW MEXICO

SCALE: As Shown

Date: 9/10/2024

PROJECT #: 226502



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Houston, Texas 77060  
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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**

## **SITE CHARACTERIZATION INFORMATION**

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# Karst Potential Map



9/10/2024, 11:38:31 AM

Wells - Large Scale



Oil, Plugged



PLSS Second Division



Oil, Active

Karst Occurrence Potential



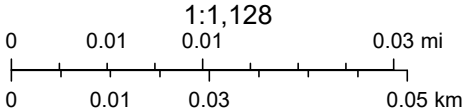
PLSS First Division



Oil, Cancelled



Low



BLM, OCD, New Mexico Tech, Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS



# OSE POD Location Map



9/10/2024, 9:46:17 AM

- Override 1

OSE District Boundary

New Mexico State Trust Lands
- GIS WATERS PODs

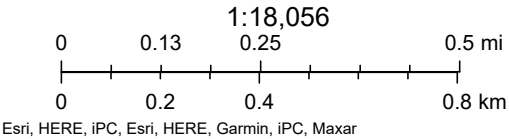
Water Right Regulations

Both Estates
- Active

Closure Area

Plugged

Artesian Planning Area





# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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

|   |   |                           |   |   |   |  |                                |                    |
|---|---|---------------------------|---|---|---|--|--------------------------------|--------------------|
| 1. GENERAL AND WELL LOCATION  | OSE POD NO. (WELL NO.)<br>POD 1 (TW-1)  |                           | WELL TAG ID NO.<br>N/A                                  |   | OSE FILE NO(S).<br>C-4707                         |  |                                |                    |
|   | WELL OWNER NAME(S)<br>Devon Energy  |                           |   |   | PHONE (OPTIONAL)<br>575-748-1838                  |  |                                |                    |
|   | WELL OWNER MAILING ADDRESS<br>6488 7 Rivers Hwy   |                           |   |   | CITY<br>Artesia                                   | STATE<br>NM  | ZIP<br>88210                   |                    |
|   | WELL LOCATION<br>(FROM GPS)   | DEGREES<br>32             | MINUTES<br>15   | SECONDS<br>14.18  | N   | * ACCURACY REQUIRED: ONE TENTH OF A SECOND                           |                                |                    |
|   |   | LONGITUDE<br>103          | 35  | 1.32  | W   | * DATUM REQUIRED: WGS 84   |                                |                    |
| DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE<br>SW SW SW Sec.33 T23S R33E NMPM |   |                           |   |   |   |  |                                |                    |
| 2. DRILLING & CASING INFORMATION  | LICENSE NO.<br>1249   |                           | NAME OF LICENSED DRILLER<br>Jackie D. Atkins            |   |   | NAME OF WELL DRILLING COMPANY<br>Atkins Engineering Associates, Inc. |                                |                    |
|   | DRILLING STARTED<br>4/11/23   | DRILLING ENDED<br>4/12/23 | DEPTH OF COMPLETED WELL (FT)<br>Temporary Well Material |   | BORE HOLE DEPTH (FT)<br>±101                      | DEPTH WATER FIRST ENCOUNTERED (FT)<br>N/A                            |                                |                    |
|   | COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)   |                           |   |   | STATIC WATER LEVEL IN COMPLETED WELL (FT)<br>N/A  | DATE STATIC MEASURED<br>4/18/2023                                    |                                |                    |
|   | DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:  |                           |   |   |   |  |                                |                    |
|   | DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger |                           |   |   |   | CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>  |                                |                    |
|   | DEPTH (feet bgl)  |                           | BORE HOLE DIAM (inches)                                 | CASING MATERIAL AND/OR GRADE<br>(include each casing string, and note sections of screen) | CASING CONNECTION TYPE<br>(add coupling diameter) | CASING INSIDE DIAM. (inches)   | CASING WALL THICKNESS (inches) | SLOT SIZE (inches) |
|   | FROM  | TO                        |   |   |   |  |                                |                    |
|   | 0   | 101                       | ±6.25   | Soil Boring   | --  | --   | --                             | --                 |
|   |   |                           |   |   |   |  |                                |                    |
|   |   |                           |   |   |   |  |                                |                    |
|   |   |                           |   |   |   |  |                                |                    |
|   |   |                           |   |   |   |  |                                |                    |
| 3. ANNULAR MATERIAL   | DEPTH (feet bgl)  |                           | BORE HOLE DIAM. (inches)                                | LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL                         | AMOUNT (cubic feet)                               | METHOD OF PLACEMENT  |                                |                    |
|   | FROM  | TO                        |   |   |   |  |                                |                    |
|   |   |                           |   | N/A   |   |  |                                |                    |
|   |   |                           |   |   |   |  |                                |                    |
|   |   |                           |   |   |   |  |                                |                    |
|   |   |                           |   |   |   |  |                                |                    |
|   |   |                           |   |   |   |  |                                |                    |

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

|                            |                    |                |
|----------------------------|--------------------|----------------|
| FILE NO. C-4707            | POD NO. 1          | TRN NO. 742696 |
| LOCATION 235. 336.33 4 3 3 | WELL TAG ID NO. NA | PAGE 1 OF 2    |






|  | DEPTH (feet bgl)   |           | THICKNESS<br>(feet)   | COLOR AND TYPE OF MATERIAL ENCOUNTERED -<br>INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES<br><b>(attach supplemental sheets to fully describe all units)</b> | WATER<br>BEARING?<br>(YES / NO) | ESTIMATED<br>YIELD FOR<br>WATER-<br>BEARING<br>ZONES (gpm) |      |
|--|--|-----------|---|---|---------------------------------|--|------|
|  | FROM   | TO        |   |   |                                 |  |      |
| <b>4. HYDROGEOLOGIC LOG OF WELL</b>  | 0  | 9         | 9   | Sand, fine-grained, poorly graded with caliche, Tan   | Y    ✓ N                        |  |      |
|  | 9  | 50        | 41  | Sand, fine-grained, poorly graded, cemented layers , Tan  | Y    ✓ N                        |  |      |
|  | 50   | 65        | 15  | Sand, very fine-grained, poorly graded , Tan / Brown  | Y    ✓ N                        |  |      |
|  | 65   | 101       | 36  | Clay, Stiff, consolidated, with fine silt, Reddish Brown  | Y    ✓ N                        |  |      |
|  |  |           |   |   | Y    N                          |  |      |
|  |  |           |   |   | Y    N                          |  |      |
|  |  |           |   |   | Y    N                          |  |      |
|  |  |           |   |   | Y    N                          |  |      |
|  |  |           |   |   | Y    N                          |  |      |
|  |  |           |   |   | Y    N                          |  |      |
|  |  |           |   |   | Y    N                          |  |      |
|  |  |           |   |   | Y    N                          |  |      |
|  |  |           |   |   | Y    N                          |  |      |
|  |  |           |   |   | Y    N                          |  |      |
|  |  |           |   |   | Y    N                          |  |      |
|  |  |           |   |   | Y    N                          |  |      |
|  |  |           |   |   | Y    N                          |  |      |
|  |  |           |   |   | Y    N                          |  |      |
|  | METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:<br><input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:  |           |   |   |                                 | TOTAL ESTIMATED<br>WELL YIELD (gpm):                       | 0.00 |
|  | <b>5. TEST; RIG SUPERVISION</b>  | WELL TEST | TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. |   |                                 |  |      |
| MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface.<br>41<br>Thistle Unit #043 |  |           |   |   |                                 |  |      |
| PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:<br>Shane Eldridge, Cameron Pruitt  |  |           |   |   |                                 |  |      |
| <b>6. SIGNATURE</b>  | THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:<br><br>Jackie D. Atkins<br>4/26/23 |           |   |   |                                 |  |      |
| SIGNATURE OF DRILLER / PRINT SIGNEE NAME   |  |           |   |   |                                 | DATE   |      |

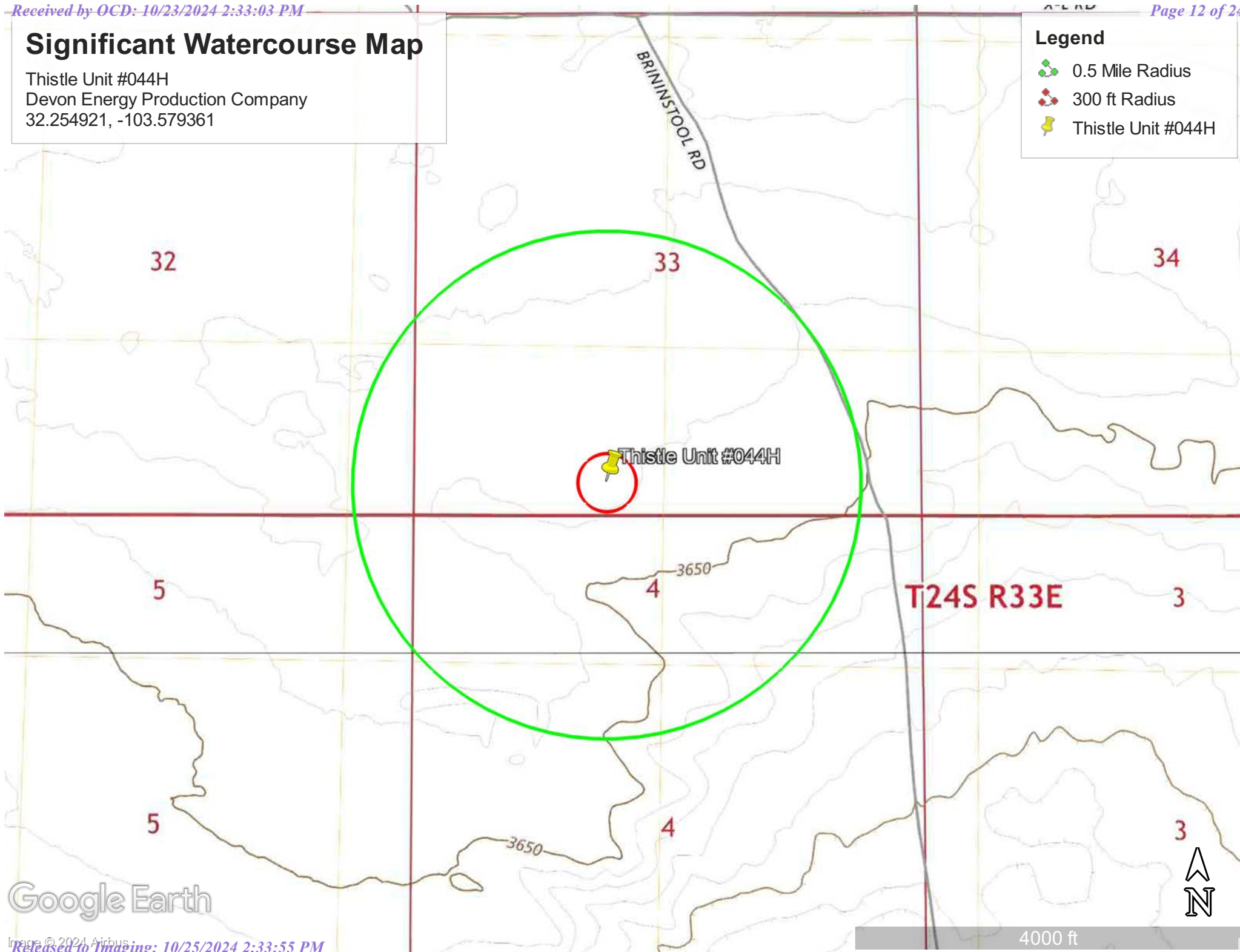
|                      |                    |  |             |
|----------------------|--------------------|--|-------------|
| FOR OSE INTERNAL USE |                    | WR-20 WELL RECORD & LOG (Version 01/28/2022) |             |
| FILE NO.             | C-4707             | POD NO.                                      | 1           |
| LOCATION             | 235. 336. 33. 4 33 | TRN NO.                                      | 742696      |
|                      |                    | WELL TAG ID NO                               | MT          |
|                      |                    |  | PAGE 2 OF 2 |

# Significant Watercourse Map

Thistle Unit #044H  
Devon Energy Production Company  
32.254921, -103.579361

## Legend

-  0.5 Mile Radius
-  300 ft Radius
-  Thistle Unit #044H



Google Earth





## Wetlands



September 11, 2024

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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



# National Flood Hazard Layer FIRMette



103°35'4"W 32°15'33"N



1:6,000

103°34'27"W 32°15'3"N

## Legend

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

|                             |  |   |
|-----------------------------|--|---|
| SPECIAL FLOOD HAZARD AREAS  |  | Without Base Flood Elevation (BFE)<br>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   |
|                             |  | Profile 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 9/10/2024 at 12:27 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.

## **PHOTOGRAPHIC LOG**

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## PHOTOGRAPHIC LOG

### Devon Energy Production Company

**Photograph No. 1**

**Facility:** Thistle 44H

**County:** Lea County, New Mexico

**Description:**  
View of Liner

**Photograph No. 2**

**Facility:** Thistle 44H

**County:** Lea County, New Mexico

**Description:**  
View of Liner

**Photograph No. 3**

**Facility:** Thistle 44H

**County:** Lea County, New Mexico

**Description:**  
View of Liner





## PHOTOGRAPHIC LOG

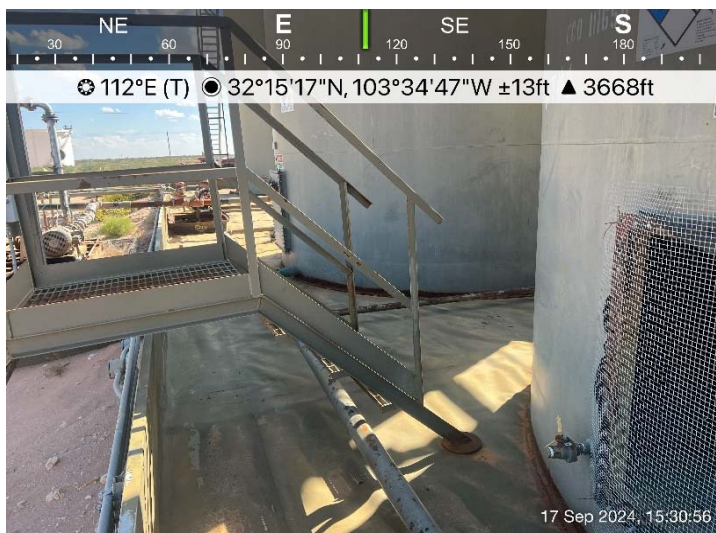
### Devon Energy Production Company

**Photograph No. 4**

**Facility:** Thistle 44H

**County:** Lea County, New Mexico

**Description:**  
View of Liner

**Photograph No. 5**

**Facility:** Thistle 44H

**County:** Lea County, New Mexico

**Description:**  
View of Liner

**Photograph No. 6**

**Facility:** Thistle 44H

**County:** Lea County, New Mexico

**Description:**  
View of Liner



# PHOTOGRAPHIC LOG

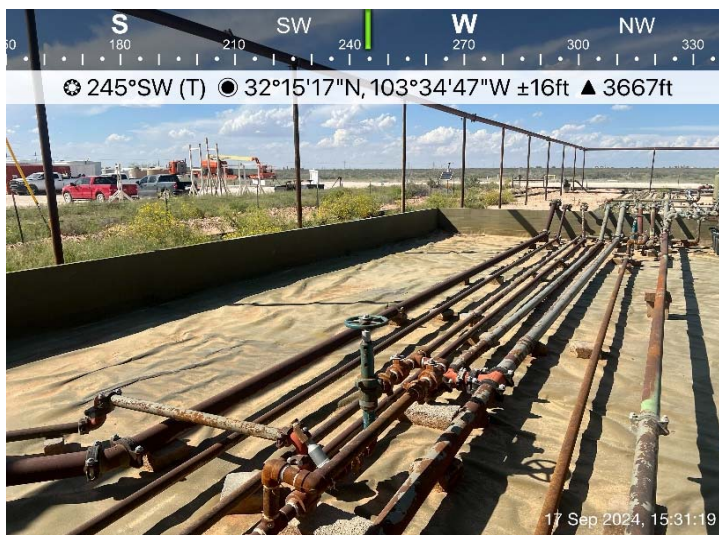
## Devon Energy Production Company

**Photograph No. 7**

**Facility:** Thistle 44H

**County:** Lea County, New Mexico

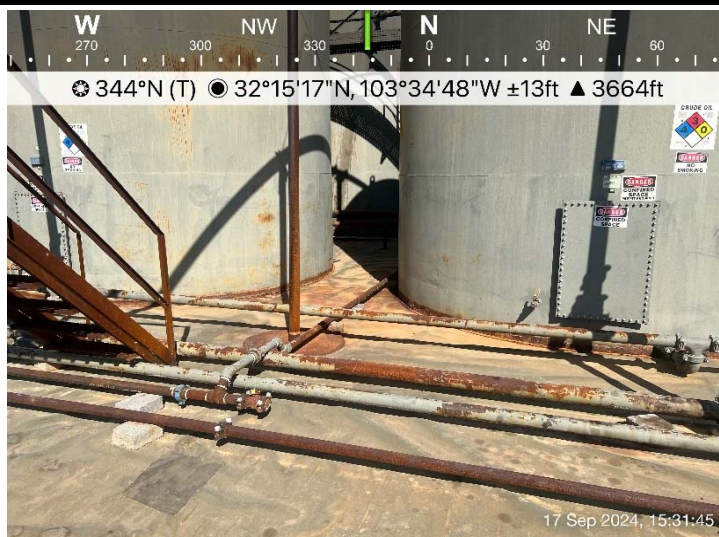
**Description:**  
View of Liner

**Photograph No. 8**

**Facility:** Thistle 44H

**County:** Lea County, New Mexico

**Description:**  
View of Liner

**Photograph No. 9**

**Facility:** Thistle 44H

**County:** Lea County, New Mexico

**Description:**  
View of Liner





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

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

QUESTIONS  
  
Action 395270

QUESTIONS

|   |                |   |
|---|----------------|---|
| Operator:<br>DEVON ENERGY PRODUCTION COMPANY, LP<br>333 West Sheridan Ave.<br>Oklahoma City, OK 73102 | OGRID:         | 6137  |
|   | Action Number: | 395270  |
|   | Action Type:   | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
|   |                |   |

QUESTIONS

|                  |   |
|------------------|---|
| Prerequisites    |   |
| Incident ID (n#) | nAPP2420822342                                |
| Incident Name    | NAPP2420822342 THISTLE UNIT 44 @ 30-025-41032 |
| Incident Type    | Produced Water Release                        |
| Incident Status  | Remediation Closure Report Received           |
| Incident Well    | [30-025-41032] THISTLE UNIT #044H             |

|  |                 |
|--|-----------------|
| Location of Release Source                     |                 |
| Please answer all the questions in this group. |                 |
| Site Name                                      | THISTLE UNIT 44 |
| Date Release Discovered                        | 07/25/2024      |
| Surface Owner                                  | State           |

|  |                        |
|--|------------------------|
| 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   Production Tank   Produced Water   Released: 10 BBL   Recovered: 10 BBL   Lost: 0 BBL.                            |
| Is the concentration of chloride in the produced water >10,000 mg/l  | Yes  |
| Condensate Released (bbls) Details   | Not answered.  |
| Natural Gas Vented (Mcf) Details   | Not answered.  |
| Natural Gas Flared (Mcf) Details   | Not answered.  |
| Other Released Details   | Not answered.  |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)                                 | Leak found on water tank bottom. Tank was isolated to stop leak. 10 bbls spilled and 10 bbls recovered. Fluids stayed in a lined containment |

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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
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QUESTIONS, Page 2

Action 395270

**QUESTIONS (continued)**

|   |                |   |
|---|----------------|---|
| Operator:<br>DEVON ENERGY PRODUCTION COMPANY, LP<br>333 West Sheridan Ave.<br>Oklahoma City, OK 73102 | OGRID:         | 6137  |
|   | Action Number: | 395270  |
|   | Action Type:   | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
|   |                |   |

**QUESTIONS**

| <b>Nature and Volume of Release (continued)</b>  |  |
|--|--|
| Is this a gas only submission (i.e. only significant Mcf values reported)  | <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>No</b>  |
| Reasons why this would be considered a submission for a notification of a major release  | <i>Unavailable.</i>  |
| <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   | <b>True</b>          |
| The impacted area has been secured to protect human health and the environment                                     | <b>True</b>          |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | <b>True</b>          |
| All free liquids and recoverable materials have been removed and managed appropriately                             | <b>True</b>          |
| If all the actions described above have not been undertaken, explain why   | <i>Not answered.</i> |

*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<br>Title: EHS Professional<br>Email: jim.raley@dmn.com<br>Date: 10/23/2024 |
|--|--|

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QUESTIONS, Page 3

Action 395270

**QUESTIONS (continued)**

|   |                |   |
|---|----------------|---|
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|   | Action Number: | 395270  |
|   | Action Type:   | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
|   |                |   |

**QUESTIONS****Site Characterization**

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

|  |                                |
|--|--------------------------------|
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs) | Between 100 and 500 (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   | Low                            |
| 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        |
| Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.  |            |
| Have the lateral and vertical extents of contamination been fully delineated   | Yes        |
| Was this release entirely contained within a lined containment area  | Yes        |
| 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   | 08/28/2024 |
| On what date will (or did) the final sampling or liner inspection occur  | 09/17/2024 |
| On what date will (or was) the remediation complete(d)   | 09/17/2024 |
| What is the estimated surface area (in square feet) that will be remediated  | 0          |
| What is the estimated volume (in cubic yards) that will be remediated  | 0          |
| 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 395270

**QUESTIONS (continued)**

|   |                |   |
|---|----------------|---|
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|   | Action Number: | 395270  |
|   | Action Type:   | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
|   |                |   |

**QUESTIONS**

|  |   |
|--|---|
| <b>Remediation Plan (continued)</b>  |   |
| <i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>   |   |
| <b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>   |   |
| <i>(Select all answers below that apply.)</i>  |   |
| Is (or was) there affected material present needing to be removed  | Yes   |
| Is (or was) there a power wash of the lined containment area (to be) performed   | Yes   |
| 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<br>Title: EHS Professional<br>Email: jim.raley@dvsn.com<br>Date: 10/23/2024 |
| <i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>  |   |

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QUESTIONS, Page 6

Action 395270

**QUESTIONS (continued)**

|   |                |   |
|---|----------------|---|
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|   |                |   |

**QUESTIONS**

|   |                   |
|---|-------------------|
| <b>Liner Inspection Information</b>   |                   |
| Last liner inspection notification (C-141L) recorded  | <b>383094</b>     |
| Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC | <b>09/17/2024</b> |
| Was all the impacted materials removed from the liner   | <b>Yes</b>        |
| What was the liner inspection surface area in square feet   | <b>7800</b>       |

**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                  | <b>Yes</b>              |
| Have the lateral and vertical extents of contamination been fully delineated    | <b>Yes</b>              |
| Was this release entirely contained within a lined containment area             | <b>Yes</b>              |
| What was the total surface area (in square feet) remediated                     | <b>0</b>                |
| What was the total volume (cubic yards) remediated                              | <b>0</b>                |
| Summarize any additional remediation activities not included by answers (above) | <b>Liner Inspection</b> |

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

|  |  |
|--|--|
| I hereby agree and sign off to the above statement | <b>Name: James Raley</b><br><b>Title: EHS Professional</b><br><b>Email: jim.raley@dmv.com</b><br><b>Date: 10/23/2024</b> |
|--|--|

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CONDITIONS  
  
Action 395270

CONDITIONS

|   |                |
|---|----------------|
| Operator:<br>DEVON ENERGY PRODUCTION COMPANY, LP<br>333 West Sheridan Ave.<br>Oklahoma City, OK 73102 | OGRID:         |
|   | 6137           |
|   | Action Number: |
|   | 395270         |
| Action Type:  |                |
| [C-141] Remediation Closure Request C-141 (C-141-v-Closure)   |                |

CONDITIONS

| Created By | Condition  | Condition Date |
|------------|--|----------------|
| rhamlet    | We have received your Remediation Closure Report for Incident #NAPP2420822342 THISTLE UNIT 44, thank you. This Remediation Closure Report is approved. | 10/25/2024     |