



October 22, 2024

New Mexico Energy and Natural Resources Department

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

**Re: Closure Request Report Addendum
Boundary Raider 7 CTB 2
Incident Number nAPP2415972085
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Devon Energy Production Company, LP (Devon), has prepared this *Closure Request Report Addendum (CRRRA)* summarizing the response efforts and liner integrity inspection activities performed at the Boundary Raider 7 CTB 2 (Site) in Unit P, Section 07, Township 23 South, Range 32 East, in Lea County, New Mexico (Figure 1). The purpose of the liner integrity inspection was to determine if the lined secondary containment was capable of containing two separate produced water releases that occurred on May 24 and June 7, 2024, and whether impacts to soil in the areas immediately surrounding the containment liner were present or absent. Based on field observations during the liner integrity inspection, Devon is submitting this *CRRRA* and requesting closure for Incident Number nAPP2415972085.

On July 16, 2024, Ensolum submitted A Closure Report (CR) to the New Mexico Oil Conservation Division (NMOCD) for Incident Numbers nAPP2414543825 & nAPP2415972085; however, the CR was denied for Incident Number nAPP2415972085 for the reason listed below:

The Remediation Closure Report is Denied. Please have all fluids, mud, trash, and brush removed from the containment before a liner inspection is accomplished.

This *CRRRA* addresses NMOCD's concerns regarding fluid and trash inside the lined secondary containment. Devon completed a second pressure washing of the containment on September 11, 2024, and NMOCD was provided with a 48-hour advance notice of liner inspection via web portal on September 12, 2024. On September 17, 2024, Ensolum personnel returned to the site to complete an additional liner integrity inspection; the liner was found to be intact and had the ability to contain the release associated with Incident Number nAPP2415972085.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Lea County, New Mexico (32.314206°, -103.709198°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On May 24, 2024, a ¼-inch plug washed out on a transfer pump, which resulted in the release of 40 barrels (bbls) of produced water inside the lined secondary containment. A vacuum truck successfully recovered all 40 bbls of produced water. Devon reported the release to NMOCD via web portal on May

24, 2024. The release was assigned Incident Number nAPP2414543825. A 48-hour advance notice of liner inspection was provided via web portal to the NMOCD on June 3, 2024. A liner integrity inspection was conducted by Ensolum personnel following fluid recovery and upon inspection, the liner was determined to be intact and had the ability to contain the release in question.

On June 7, 2024, a ¼-inch plug washed out on a strainer housing, which resulted in the release of 23 bbls of produced water inside the lined secondary containment. A vacuum truck successfully recovered 22 bbls of produced water. Devon reported the release to the NMOCD via web portal on June 7, 2024. The release was assigned Incident Number nAPP2415972085. A 48-hour advance notice of liner inspection was provided via web portal to the NMOCD on July 2, 2024. A liner integrity inspection was conducted by Ensolum personnel following fluid recovery and upon inspection, the liner was determined to be intact and had the ability to contain the release in question.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential Site receptors are identified on Figure 1.

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well CP 04815 POD1 with a depth to water measurement greater than 55 feet below ground surface (bgs). The well is located 0.55 miles east of the Site and the most recent documented water level measurement was collected on April 16, 2024. All wells used for depth to groundwater determinations are depicted on Figure 1 and the referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 3.04 miles northwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

DELINEATION SOIL SAMPLING ACTIVITIES AND LINER INTEGRITY INSPECTIONS

On June 3, 2024, Ensolum personnel arrived onsite to collect lateral surface samples associated with incident number nAPP2414543825. Four lateral delineation sample points (SS01 through SS04) were collected on all sides of the lined containment at ground surface to verify the release remained inside the lined containment. Delineation soil samples were field screened for chloride and TPH utilizing Mohr's titration method and a PetroFLAG® Soil Analyzer System, respectively. The delineation sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2.

The delineation soil samples (SS01 through SS04) were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech, Inc. (Envirotech) in Farmington, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

On June 6, 2024, Ensolum personnel competent in conducting liner inspections, returned to the Site to visually inspect the integrity of the containment liner associated with incident number nAPP2414543825. Prior to conducting the inspection, NMOCD was provided with a 48-hour liner inspection notification via email on June 3, 2024 (Appendix B). Ensolum personnel verified there was no visual evidence of a breach in the lined containment or any visible staining in the areas immediately surrounding the containment walls. It was determined the liner remained intact and had the ability to contain the release in question. Photographs taken during the liner inspection are included in Appendix C.

On July 1, 2024, Ensolum personnel returned to the Site to collect lateral surface samples associated with incident number nAPP2415972085. Four lateral delineation sample points (SS01 through SS04) were recollected in the same locations as incident number nAPP2414543825 on all sides of the lined containment at ground surface to verify the release remained inside the lined containment. Delineation soil samples were analyzed and handled in the same manner previously described and the sample locations are depicted on Figure 2.

On July 7, 2024, Ensolum personnel competent in conducting liner inspections, returned to the Site to visually inspect the integrity of the containment liner associated with incident number nAPP2415972085. Prior to conducting the inspection, NMOCD was provided with a 48-hour liner inspection notification via email on July 2, 2024 (Appendix B). Due to heavy rains on July 4, 2024, an inch of water was present in the containment during the inspection on July 5, 2024, however the water was clear, and the liner inspection was still possible. Ensolum personnel verified there was no visual evidence of a breach in the lined containment or any visible staining in the areas immediately surrounding the containment walls. It was determined the liner remained intact and had the ability to contain the release in question.

Following the CR denial by NMOCD, Devon pressure washed the liner and collected all fluids and debris prior to inspection for the liner's integrity. Ensolum personnel returned to the Site on September 17, 2024, to conduct a second liner integrity inspection for the two incident numbers. Prior to conducting the inspection, NMOCD was provided with a 48-hour liner inspection notification and the liner was found to be intact and had the ability to contain the releases in question. Photographic documentation is included in Appendix C.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples (SS01 through SS04) collected at ground surface and associated with Incident Number nAPP2414543825 indicated all COC concentrations were in compliance with strictest Closure Criteria per NMOCD Table I and with the Site Closure Criteria. Laboratory analytical results for delineation soil samples (SS01 through SS04) collected at ground surface and in association with Incident Number nAPP2415972085 indicated that all COC concentrations were in compliance with the strictest Closure Criteria per NMOCD Table I and with the Site Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix D.

CLOSURE REQUEST

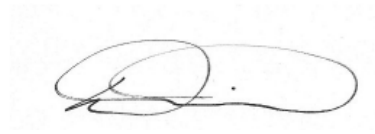
Following three liner integrity inspections at the Site, it was determined the releases were contained laterally and vertically by the lined secondary containment. Lateral delineation soil samples (SS01 through SS04) associated with Incident Number nAPP2414543825 collected at ground surface and lateral delineation soil samples (SS01 through SS04) collected at ground surface and associated with Incident Number nAPP2415972085 verified the release did not breach the containment walls during either release. Based on initial response efforts, and a reported depth to groundwater of greater than 55 feet bgs, Devon respectfully requests closure for Incident Number nAPP2415972085.

If you have any questions or comments, please contact Ms. Ashley Giovengo at (575) 988-0055 or agiovengo@ensolum.com.

Sincerely,
Ensolum, LLC



Ashley Giovengo
Senior Scientist



Daniel R. Moir, PG (licensed in WY & TX)
Senior Managing Geologist

Appendices:

| | |
|------------|--|
| Figure 1 | Site Receptor Map |
| Figure 2 | Delineation Soil Sample Locations |
| Table 1 | Soil Sample Analytical Results (nAPP2414543825) |
| Table 2 | Soil Sample Analytical Results (nAPP2415972085) |
| Appendix A | Referenced Well Records |
| Appendix B | NMOCD Correspondence |
| Appendix C | Photographic Log |
| Appendix D | Laboratory Analytical Reports & Chain-of-Custody Documentation |



FIGURES



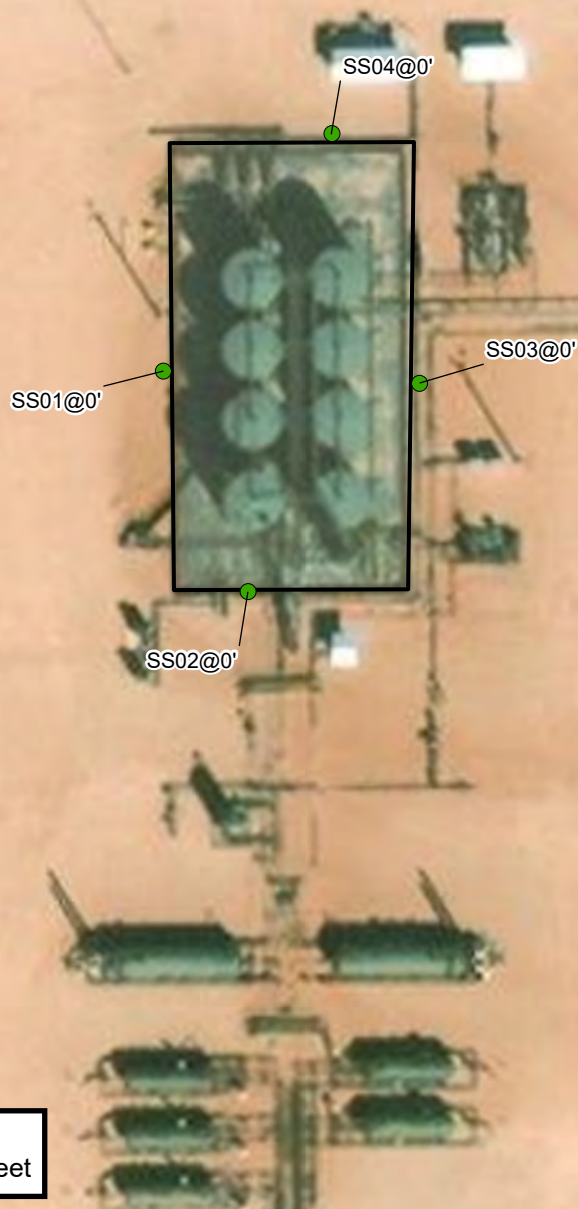
Lea County, New Mexico

1

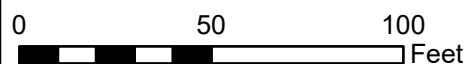
Document Path: C:\Users\Peter.Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR_GIS\File Path Structure\3 - Carlsbad\Devon Energy Production Company\03A1987131 - Boundary Raider 7 CTB 211 - Project Boundary Raider 7 CTB 2.aprx

Legend

- Delineation Soil Sample in Compliance with NMOCD Closure Criteria
- Containment Liner



Notes:
Sample ID @ Depth Below Ground Surface



Source:
Environmental Systems Research Institute (ESRI)



Delineation Soil Sample Locations

Devon Energy Production Company, LP
Boundary Raider 7 CTB 2
Incident ID: nAPP2414543825 & nAPP2415972085
Unit P, Section 07, T 23S, R 32E
Lea County, New Mexico

FIGURE
2



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Boundary Raider 7 CTB 2
 Devon Energy Production Company, LP
 Lea County, New Mexico

| Sample Designation | Date | Depth (feet bgs) | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) | GRO+DRO (mg/kg) | Total TPH (mg/kg) | Chloride (mg/kg) |
|---|----------|------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-----------------|-------------------|------------------|
| NMOCD Table I Closure Criteria (NMAC 19.15.29) | | | 10 | 50 | NE | NE | NE | NE | 100 | 600 |
| Delineation Soil Samples (nAPP2414543825) | | | | | | | | | | |
| SS01 | 6/3/2024 | 0 | <0.0250 | <0.0500 | <20.0 | <25.0 | <50.0 | <20.0 | <50.0 | 48.7 |
| SS02 | 6/3/2024 | 0 | <0.0250 | <0.0500 | <20.0 | <25.0 | <50.0 | <20.0 | <50.0 | 245 |
| SS03 | 6/3/2024 | 0 | <0.0250 | <0.0500 | <20.0 | <25.0 | <50.0 | <20.0 | <50.0 | 181 |
| SS04 | 6/3/2024 | 0 | <0.0250 | <0.0500 | <20.0 | <25.0 | <50.0 | <20.0 | <50.0 | 197 |

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<: Laboratory Analytical result is less than reporting limit

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
 Boundary Raider 7 CTB 2
 Devon Energy Production Company, LP
 Lea County, New Mexico

| Sample Designation | Date | Depth (feet bgs) | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) | GRO+DRO (mg/kg) | Total TPH (mg/kg) | Chloride (mg/kg) |
|---|----------|------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-----------------|-------------------|------------------|
| NMOCD Table I Closure Criteria (NMAC 19.15.29) | | | 10 | 50 | NE | NE | NE | NE | 100 | 600 |
| Delineation Soil Samples (nAPP2415972085) | | | | | | | | | | |
| SS01 | 7/1/2024 | 0 | <0.0250 | <0.0500 | <20.0 | <25.0 | <50.0 | <20.0 | <50.0 | <20.0 |
| SS02 | 7/1/2024 | 0 | <0.0250 | <0.0500 | <20.0 | <25.0 | <50.0 | <20.0 | <50.0 | 295 |
| SS03 | 7/1/2024 | 0 | <0.0250 | <0.0500 | <20.0 | <25.0 | <50.0 | <20.0 | <50.0 | 35.6 |
| SS04 | 7/1/2024 | 0 | <0.0250 | <0.0500 | <20.0 | <25.0 | <50.0 | <20.0 | <50.0 | 55.6 |

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<": Laboratory Analytical result is less than reporting limit

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Referenced Well Records



New Mexico Office of the State Engineer

Point of Diversion Summary

| Well Tag | POD Number | (quarters are 1=NW 2=NE 3=SW 4=SE) | | | | (quarters are smallest to largest) | | | | (NAD83 UTM in meters) | |
|----------|--------------|------------------------------------|-----|----|-----|------------------------------------|-----|--------|---------|-----------------------|--|
| | | Q64 | Q16 | Q4 | Sec | Tws | Rng | X | Y | | |
| NA | C 04815 POD1 | 1 | 4 | 3 | 08 | 23S | 32E | 622392 | 3576025 | | |

Driller License: 1833**Driller Company:** VISION RESOURCES, INC**Driller Name:** JASON MALEY**Drill Start Date:** 04/16/2024**Drill Finish Date:** 04/16/2024**Plug Date:** 04/22/2024**Log File Date:** 04/25/2024**PCW Rcv Date:****Source:****Pump Type:****Pipe Discharge Size:****Estimated Yield:****Casing Size:****Depth Well:** 55 feet**Depth Water:**

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

6/10/24 2:21 PM

Page 1 of 1

POD SUMMARY - C 04815 POD1



APPENDIX B

NMOCD Correspondence

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 350453

QUESTIONS

| | |
|---|----------------|
| Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102 | OGRID: |
| | 6137 |
| | Action Number: |
| | 350453 |
| Action Type: | |
| [NOTIFY] Notification Of Liner Inspection (C-141L) | |

QUESTIONS

| Prerequisites | |
|-------------------|--|
| Incident ID (n#) | nAPP2414543825 |
| Incident Name | NAPP2414543825 BOUNDARY RAIDER 7 CTB 2 @ 0 |
| Incident Type | Produced Water Release |
| Incident Status | Initial C-141 Approved |
| Incident Facility | [fAPP2123645710] BOUNDARY RAIDER 7 CTB 2 |

| Location of Release Source | |
|----------------------------|-------------------------|
| Site Name | BOUNDARY RAIDER 7 CTB 2 |
| Date Release Discovered | 05/24/2024 |
| Surface Owner | Federal |

| Liner Inspection Event Information | |
|---|--|
| Please answer all the questions in this group. | |
| What is the liner inspection surface area in square feet | 7,250 |
| Have all the impacted materials been removed from the liner | Yes |
| Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC | 06/06/2024 |
| Time liner inspection will commence | 09:00 AM |
| Please provide any information necessary for observers to liner inspection | Ashley Giovengo Senior Scientist 575-988-0055 Ensolum, LLC |
| Please provide any information necessary for navigation to liner inspection site | 32.314206, -103.709198 |

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

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

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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

CONDITIONS

Action 350453

CONDITIONS

| | |
|---|--|
| Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102 | OGRID: 6137 |
| | Action Number: 350453 |
| | Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|--|----------------|
| wdale | Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted. | 6/3/2024 |

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
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District IV
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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 360346

QUESTIONS

| | |
|--|--|
| Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102 | OGRID: 246289 |
| | Action Number: 360346 |
| | Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L) |

QUESTIONS

| | |
|-------------------|--|
| Prerequisites | |
| Incident ID (n#) | nAPP2415972085 |
| Incident Name | NAPP2415972085 BOUNDARY RAIDER 7 CTB 2 @ 0 |
| Incident Type | Produced Water Release |
| Incident Status | Initial C-141 Approved |
| Incident Facility | [fAPP2123645710] BOUNDARY RAIDER 7 CTB 2 |

| | |
|----------------------------|-------------------------|
| Location of Release Source | |
| Site Name | BOUNDARY RAIDER 7 CTB 2 |
| Date Release Discovered | 06/07/2024 |
| Surface Owner | Federal |

| | |
|---|----------------------------------|
| Liner Inspection Event Information | |
| Please answer all the questions in this group. | |
| What is the liner inspection surface area in square feet | 7,248 |
| Have all the impacted materials been removed from the liner | Yes |
| Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC | 07/05/2024 |
| Time liner inspection will commence | 09:00 AM |
| Please provide any information necessary for observers to liner inspection | Contact Cole Burton 575-706-5056 |
| Please provide any information necessary for navigation to liner inspection site | 32.314206, -103.709198 |

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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

CONDITIONS

Action 360346

CONDITIONS

| | |
|--|--|
| Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102 | OGRID: 246289 |
| | Action Number: 360346 |
| | Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|--|----------------|
| jraleay | Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted. | 7/2/2024 |

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

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811 S. First St., Artesia, NM 88210
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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

Action 383085

QUESTIONS

| | |
|---|--|
| Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102 | OGRID: 6137 |
| | Action Number: 383085 |
| | Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L) |

QUESTIONS

| | |
|-------------------|--|
| Prerequisites | |
| Incident ID (n#) | nAPP2415972085 |
| Incident Name | NAPP2415972085 BOUNDARY RAIDER 7 CTB 2 @ 0 |
| Incident Type | Produced Water Release |
| Incident Status | Initial C-141 Approved |
| Incident Facility | [fAPP2123645710] BOUNDARY RAIDER 7 CTB 2 |

| | |
|----------------------------|-------------------------|
| Location of Release Source | |
| Site Name | BOUNDARY RAIDER 7 CTB 2 |
| Date Release Discovered | 06/07/2024 |
| Surface Owner | Federal |

| | |
|---|--|
| Liner Inspection Event Information | |
| Please answer all the questions in this group. | |
| What is the liner inspection surface area in square feet | 10,176 |
| Have all the impacted materials been removed from the liner | Yes |
| Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC | 09/17/2024 |
| Time liner inspection will commence | 09:00 AM |
| Please provide any information necessary for observers to liner inspection | Ashley Giovengo Senior Engineer 575-988-0055 |
| Please provide any information necessary for navigation to liner inspection site | M-11-21S-27E (32.49017, -104.16796) |

District I
1625 N. French Dr., Hobbs, NM 88240
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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

CONDITIONS

Action 383085

CONDITIONS

| | |
|---|--|
| Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102 | OGRID: 6137 |
| | Action Number: 383085 |
| | Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|--|----------------|
| wdale | Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted. | 9/12/2024 |



APPENDIX C

Photographic Log



Photographic Log

Devon Energy Production Company

Boundary Raider 7 CTB 2

nAPP2414543825 & nAPP2415972085



Photograph 1

Date: 5/24/2024

Description: Signage

View: South

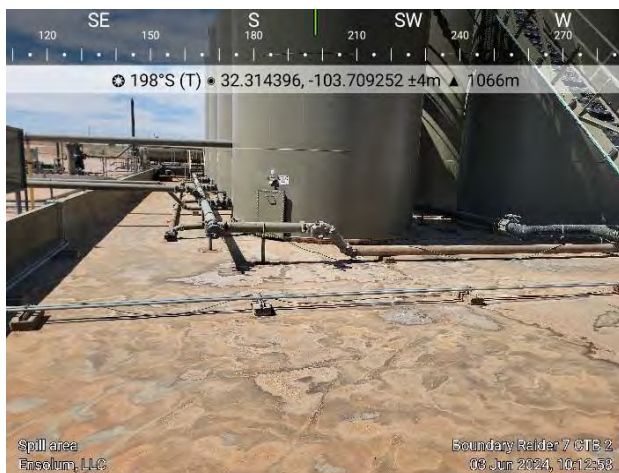


Photograph 2

Date: 5/24/2024

Description: Spill Area - nAPP2414543825

View: East



Photograph 3

Date: 6/3/2024

Description: Spill area - nAPP2414543825

View: South



Photograph 4

Date: 6/3/2024

Description: Delineation Sampling - nAPP2414543825

View: West



Photographic Log

Devon Energy Production Company
Boundary Raider 7 CTB 2
nAPP2414543825 & nAPP2415972085



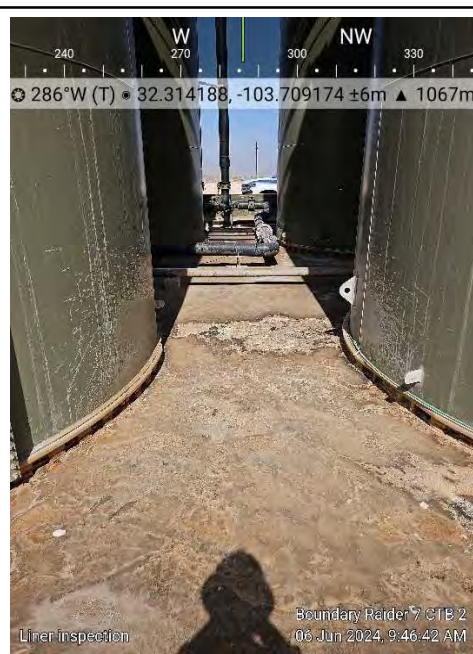
Photograph 5 Date: 6/6/2024
Description: Liner Inspection - nAPP2414543825
View: South



Photograph 6 Date: 6/6/2024
Description: Liner Inspection - nAPP2414543825
View: South



Photograph 7 Date: 6/6/2024
Description: Liner Inspection - nAPP2414543825
View: North



Photograph 8 Date: 6/6/2024
Description: Liner Inspection - nAPP2414543825
View: West



Photographic Log

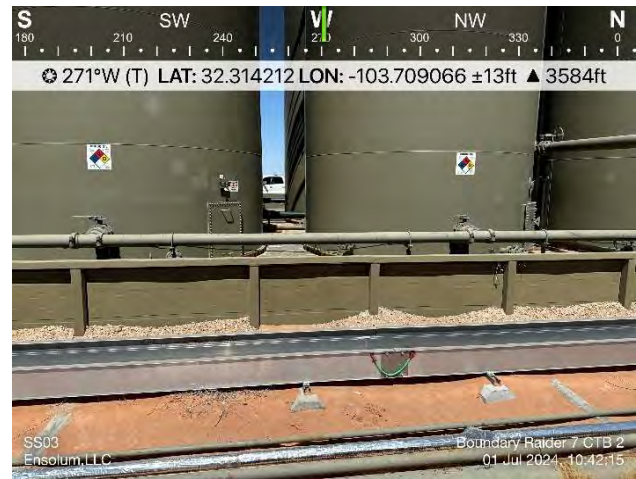
Devon Energy Production Company

Boundary Raider 7 CTB 2

nAPP2414543825 & nAPP2415972085



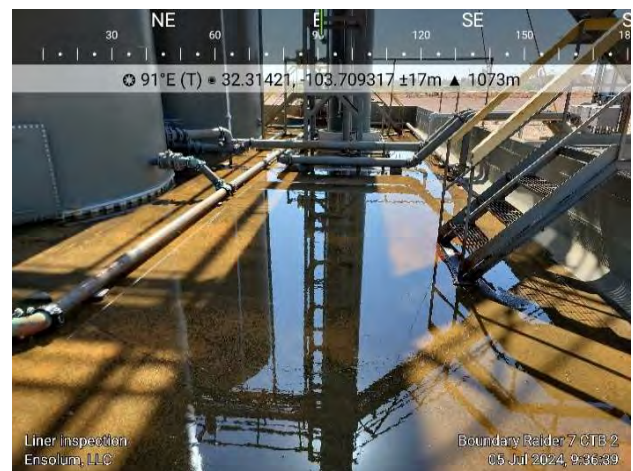
Photograph 9 Date: 7/1/2024
Description: Delineation - nAPP2415972085
View: East



Photograph 10 Date: 7/1/2024
Description: Delineation - nAPP2415972085
View: West



Photograph 11 Date: 7/5/2024
Description: Liner Inspection - nAPP2415972085
View: Southeast

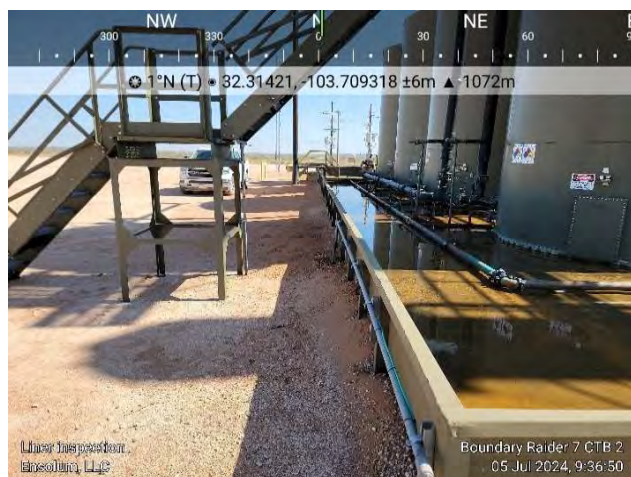


Photograph 12 Date: 7/5/2024
Description: Liner Inspection - nAPP2415972085
View: East

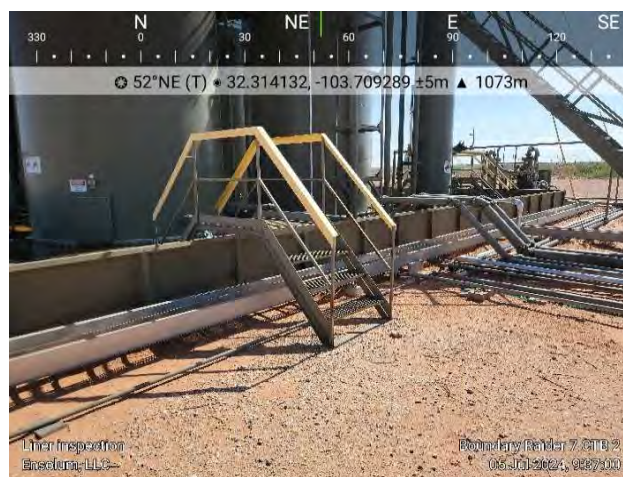


Photographic Log

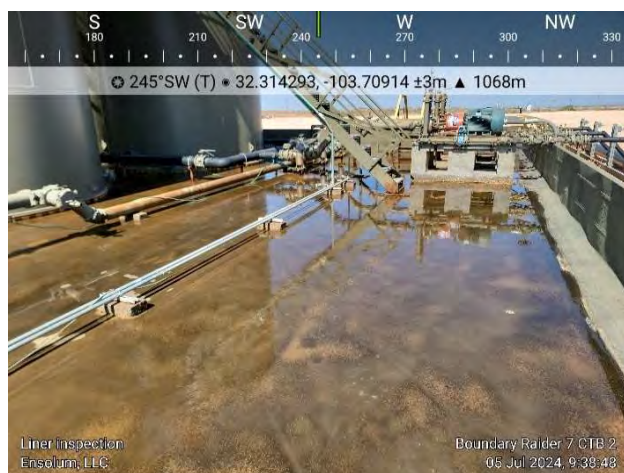
Devon Energy Production Company
Boundary Raider 7 CTB 2
nAPP2414543825 & nAPP2415972085



Photograph 13 Date: 7/1/2024
Description: Liner Inspection - nAPP2415972085
View: North



Photograph 14 Date: 7/1/2024
Description: Liner Inspection - nAPP2415972085
View: Northeast



Photograph 15 Date: 7/5/2024
Description: Liner Inspection - nAPP2415972085
View: Southwest



Photograph 16 Date: 7/5/2024
Description: Liner Inspection - nAPP2415972085
View: East

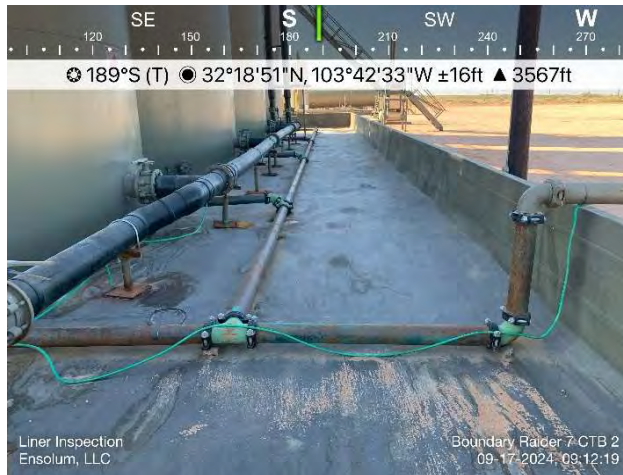


Photographic Log

Devon Energy Production Company

Boundary Raider 7 CTB 2

nAPP2414543825 & nAPP2415972085



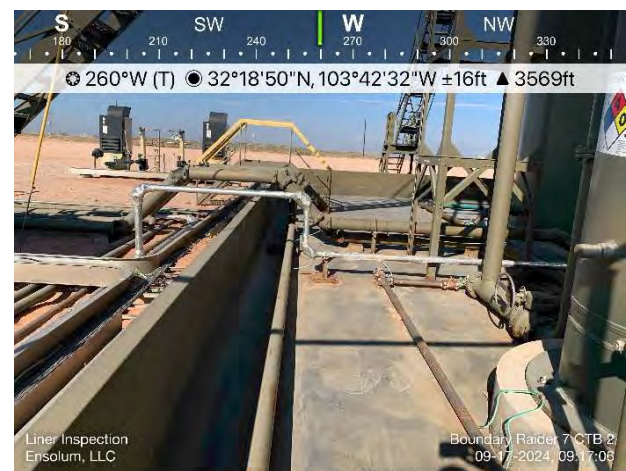
Photograph 17 Date: 9/17/2024
Description: Liner Inspection - nAPP2415972085
View: South



Photograph 18 Date: 9/17/2024
Description: Liner Inspection - nAPP2415972085
View: East



Photograph 19 Date: 9/17/2024
Description: Liner Inspection - nAPP2415972085
View: North



Photograph 20 Date: 9/17/2024
Description: Liner Inspection - nAPP2415972085
View: West



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Boundary Raider 7 CTB 2

Work Order: E406030

Job Number: 01058-0007

Received: 6/5/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/11/24

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: 6/11/24

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Boundary Raider 7 CTB 2
Workorder: E406030
Date Received: 6/5/2024 12:00:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/5/2024 12:00:00PM, under the Project Name: Boundary Raider 7 CTB 2.

The analytical test results summarized in this report with the Project Name: Boundary Raider 7 CTB 2 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
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Sample Summary

| | | | |
|-------------------------|------------------|-------------------------|----------------|
| Devon Energy - Carlsbad | Project Name: | Boundary Raider 7 CTB 2 | Reported: |
| 6488 7 Rivers Hwy | Project Number: | 01058-0007 | |
| Artesia NM, 88210 | Project Manager: | Ashley Giovengo | 06/11/24 12:16 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| SS01-0' | E406030-01A | Soil | 06/03/24 | 06/05/24 | Glass Jar, 2 oz. |
| SS02-0' | E406030-02A | Soil | 06/03/24 | 06/05/24 | Glass Jar, 2 oz. |
| SS03-0' | E406030-03A | Soil | 06/03/24 | 06/05/24 | Glass Jar, 2 oz. |
| SS04-0' | E406030-04A | Soil | 06/03/24 | 06/05/24 | Glass Jar, 2 oz. |



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
6/11/2024 12:16:15PM

SS01-0'

E406030-01

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organic Compounds by EPA 8260B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2423082 |
| Benzene | ND | 0.0250 | 1 | 06/05/24 | 06/07/24 | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/05/24 | 06/07/24 | |
| Toluene | ND | 0.0250 | 1 | 06/05/24 | 06/07/24 | |
| o-Xylene | ND | 0.0250 | 1 | 06/05/24 | 06/07/24 | |
| p,m-Xylene | ND | 0.0500 | 1 | 06/05/24 | 06/07/24 | |
| Total Xylenes | ND | 0.0250 | 1 | 06/05/24 | 06/07/24 | |
| <i>Surrogate: Bromofluorobenzene</i> | | 101 % | 70-130 | 06/05/24 | 06/07/24 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 97.5 % | 70-130 | 06/05/24 | 06/07/24 | |
| <i>Surrogate: Toluene-d8</i> | | 99.1 % | 70-130 | 06/05/24 | 06/07/24 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2423082 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/05/24 | 06/07/24 | |
| <i>Surrogate: Bromofluorobenzene</i> | | 101 % | 70-130 | 06/05/24 | 06/07/24 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 97.5 % | 70-130 | 06/05/24 | 06/07/24 | |
| <i>Surrogate: Toluene-d8</i> | | 99.1 % | 70-130 | 06/05/24 | 06/07/24 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2423116 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 06/06/24 | 06/08/24 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 06/06/24 | 06/08/24 | |
| <i>Surrogate: n-Nonane</i> | | 90.5 % | 50-200 | 06/06/24 | 06/08/24 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: DT | | Batch: 2423115 |
| Chloride | 48.7 | 20.0 | 1 | 06/06/24 | 06/06/24 | |



Sample Data

| | | |
|---|---|-----------------------------------|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 6/11/2024 12:16:15PM |
|---|---|-----------------------------------|

SS02-0'

E406030-02

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organic Compounds by EPA 8260B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2423082 |
| Benzene | ND | 0.0250 | 1 | 06/05/24 | 06/07/24 | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/05/24 | 06/07/24 | |
| Toluene | ND | 0.0250 | 1 | 06/05/24 | 06/07/24 | |
| o-Xylene | ND | 0.0250 | 1 | 06/05/24 | 06/07/24 | |
| p,m-Xylene | ND | 0.0500 | 1 | 06/05/24 | 06/07/24 | |
| Total Xylenes | ND | 0.0250 | 1 | 06/05/24 | 06/07/24 | |
| Surrogate: Bromofluorobenzene | | 104 % | 70-130 | 06/05/24 | 06/07/24 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 100 % | 70-130 | 06/05/24 | 06/07/24 | |
| Surrogate: Toluene-d8 | | 98.9 % | 70-130 | 06/05/24 | 06/07/24 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2423082 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/05/24 | 06/07/24 | |
| Surrogate: Bromofluorobenzene | | 104 % | 70-130 | 06/05/24 | 06/07/24 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 100 % | 70-130 | 06/05/24 | 06/07/24 | |
| Surrogate: Toluene-d8 | | 98.9 % | 70-130 | 06/05/24 | 06/07/24 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2423116 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 06/06/24 | 06/08/24 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 06/06/24 | 06/08/24 | |
| Surrogate: n-Nonane | | 90.9 % | 50-200 | 06/06/24 | 06/08/24 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: DT | | Batch: 2423115 |
| Chloride | 245 | 20.0 | 1 | 06/06/24 | 06/06/24 | |



Sample Data

| | | |
|---|---|-----------------------------------|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 6/11/2024 12:16:15PM |
|---|---|-----------------------------------|

SS03-0'
E406030-03

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organic Compounds by EPA 8260B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2423082 |
| Benzene | ND | 0.0250 | 1 | 06/05/24 | 06/07/24 | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/05/24 | 06/07/24 | |
| Toluene | ND | 0.0250 | 1 | 06/05/24 | 06/07/24 | |
| o-Xylene | ND | 0.0250 | 1 | 06/05/24 | 06/07/24 | |
| p,m-Xylene | ND | 0.0500 | 1 | 06/05/24 | 06/07/24 | |
| Total Xylenes | ND | 0.0250 | 1 | 06/05/24 | 06/07/24 | |
| Surrogate: Bromofluorobenzene | | 103 % | 70-130 | 06/05/24 | 06/07/24 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 98.5 % | 70-130 | 06/05/24 | 06/07/24 | |
| Surrogate: Toluene-d8 | | 99.4 % | 70-130 | 06/05/24 | 06/07/24 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2423082 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/05/24 | 06/07/24 | |
| Surrogate: Bromofluorobenzene | | 103 % | 70-130 | 06/05/24 | 06/07/24 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 98.5 % | 70-130 | 06/05/24 | 06/07/24 | |
| Surrogate: Toluene-d8 | | 99.4 % | 70-130 | 06/05/24 | 06/07/24 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2423116 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 06/06/24 | 06/08/24 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 06/06/24 | 06/08/24 | |
| Surrogate: n-Nonane | | 91.3 % | 50-200 | 06/06/24 | 06/08/24 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: DT | | Batch: 2423115 |
| Chloride | 181 | 20.0 | 1 | 06/06/24 | 06/06/24 | |



Sample Data

| | | |
|---|---|-----------------------------------|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo | Reported: 6/11/2024 12:16:15PM |
|---|---|-----------------------------------|

SS04-0'

E406030-04

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organic Compounds by EPA 8260B | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2423082 |
| Benzene | ND | 0.0250 | 1 | 06/05/24 | 06/07/24 | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/05/24 | 06/07/24 | |
| Toluene | ND | 0.0250 | 1 | 06/05/24 | 06/07/24 | |
| o-Xylene | ND | 0.0250 | 1 | 06/05/24 | 06/07/24 | |
| p,m-Xylene | ND | 0.0500 | 1 | 06/05/24 | 06/07/24 | |
| Total Xylenes | ND | 0.0250 | 1 | 06/05/24 | 06/07/24 | |
| Surrogate: Bromofluorobenzene | | 104 % | 70-130 | 06/05/24 | 06/07/24 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 97.3 % | 70-130 | 06/05/24 | 06/07/24 | |
| Surrogate: Toluene-d8 | | 99.6 % | 70-130 | 06/05/24 | 06/07/24 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: RKS | | Batch: 2423082 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/05/24 | 06/07/24 | |
| Surrogate: Bromofluorobenzene | | 104 % | 70-130 | 06/05/24 | 06/07/24 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 97.3 % | 70-130 | 06/05/24 | 06/07/24 | |
| Surrogate: Toluene-d8 | | 99.6 % | 70-130 | 06/05/24 | 06/07/24 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2423116 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 06/06/24 | 06/08/24 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 06/06/24 | 06/08/24 | |
| Surrogate: n-Nonane | | 91.9 % | 50-200 | 06/06/24 | 06/08/24 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: DT | | Batch: 2423115 |
| Chloride | 197 | 20.0 | 1 | 06/06/24 | 06/06/24 | |



QC Summary Data

| | | | |
|-------------------------|------------------|-------------------------|----------------------|
| Devon Energy - Carlsbad | Project Name: | Boundary Raider 7 CTB 2 | Reported: |
| 6488 7 Rivers Hwy | Project Number: | 01058-0007 | |
| Artesia NM, 88210 | Project Manager: | Ashley Giovengo | 6/11/2024 12:16:15PM |

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

Blank (2423082-BLK1) Prepared: 06/05/24 Analyzed: 06/07/24

| | | | | | | | | | |
|----------------------------------|-------|--------|-------|--|------|--------|--|--|--|
| 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 | 0.523 | | 0.500 | | 105 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.481 | | 0.500 | | 96.2 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.500 | | 0.500 | | 100 | 70-130 | | | |

LCS (2423082-BS1) Prepared: 06/05/24 Analyzed: 06/07/24

| | | | | | | | | | |
|----------------------------------|-------|--------|-------|--|------|--------|--|--|--|
| Benzene | 2.56 | 0.0250 | 2.50 | | 102 | 70-130 | | | |
| Ethylbenzene | 2.56 | 0.0250 | 2.50 | | 102 | 70-130 | | | |
| Toluene | 2.45 | 0.0250 | 2.50 | | 98.0 | 70-130 | | | |
| o-Xylene | 2.72 | 0.0250 | 2.50 | | 109 | 70-130 | | | |
| p,m-Xylene | 5.36 | 0.0500 | 5.00 | | 107 | 70-130 | | | |
| Total Xylenes | 8.08 | 0.0250 | 7.50 | | 108 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.521 | | 0.500 | | 104 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.489 | | 0.500 | | 97.8 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.496 | | 0.500 | | 99.1 | 70-130 | | | |

Matrix Spike (2423082-MS1) Source: E406030-03 Prepared: 06/05/24 Analyzed: 06/07/24

| | | | | | | | | | |
|----------------------------------|-------|--------|-------|----|------|--------|--|--|--|
| Benzene | 2.55 | 0.0250 | 2.50 | ND | 102 | 48-131 | | | |
| Ethylbenzene | 2.57 | 0.0250 | 2.50 | ND | 103 | 45-135 | | | |
| Toluene | 2.45 | 0.0250 | 2.50 | ND | 98.0 | 48-130 | | | |
| o-Xylene | 2.70 | 0.0250 | 2.50 | ND | 108 | 43-135 | | | |
| p,m-Xylene | 5.38 | 0.0500 | 5.00 | ND | 108 | 43-135 | | | |
| Total Xylenes | 8.08 | 0.0250 | 7.50 | ND | 108 | 43-135 | | | |
| Surrogate: Bromofluorobenzene | 0.515 | | 0.500 | | 103 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.482 | | 0.500 | | 96.4 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.499 | | 0.500 | | 99.7 | 70-130 | | | |

Matrix Spike Dup (2423082-MSD1) Source: E406030-03 Prepared: 06/05/24 Analyzed: 06/07/24

| | | | | | | | | | |
|----------------------------------|-------|--------|-------|----|------|--------|-------|----|--|
| Benzene | 2.50 | 0.0250 | 2.50 | ND | 100 | 48-131 | 1.92 | 23 | |
| Ethylbenzene | 2.56 | 0.0250 | 2.50 | ND | 102 | 45-135 | 0.117 | 27 | |
| Toluene | 2.43 | 0.0250 | 2.50 | ND | 97.3 | 48-130 | 0.717 | 24 | |
| o-Xylene | 2.72 | 0.0250 | 2.50 | ND | 109 | 43-135 | 0.960 | 27 | |
| p,m-Xylene | 5.43 | 0.0500 | 5.00 | ND | 109 | 43-135 | 0.925 | 27 | |
| Total Xylenes | 8.15 | 0.0250 | 7.50 | ND | 109 | 43-135 | 0.936 | 27 | |
| Surrogate: Bromofluorobenzene | 0.522 | | 0.500 | | 104 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.466 | | 0.500 | | 93.1 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.498 | | 0.500 | | 99.6 | 70-130 | | | |



QC Summary Data

| | | | |
|-------------------------|------------------|-------------------------|----------------------|
| Devon Energy - Carlsbad | Project Name: | Boundary Raider 7 CTB 2 | Reported: |
| 6488 7 Rivers Hwy | Project Number: | 01058-0007 | |
| Artesia NM, 88210 | Project Manager: | Ashley Giovengo | 6/11/2024 12:16:15PM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

Blank (2423082-BLK1) Prepared: 06/05/24 Analyzed: 06/07/24

| | | | | | | | | | |
|----------------------------------|-------|------|-------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: Bromofluorobenzene | 0.523 | | 0.500 | | 105 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.481 | | 0.500 | | 96.2 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.500 | | 0.500 | | 100 | 70-130 | | | |

LCS (2423082-BS2) Prepared: 06/05/24 Analyzed: 06/07/24

| | | | | | | | | | |
|----------------------------------|-------|------|-------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 46.6 | 20.0 | 50.0 | | 93.2 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.514 | | 0.500 | | 103 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.470 | | 0.500 | | 94.0 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.507 | | 0.500 | | 101 | 70-130 | | | |

Matrix Spike (2423082-MS2) Source: E406030-03 Prepared: 06/05/24 Analyzed: 06/07/24

| | | | | | | | | | |
|----------------------------------|-------|------|-------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 47.5 | 20.0 | 50.0 | ND | 95.0 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.523 | | 0.500 | | 105 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.479 | | 0.500 | | 95.8 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.498 | | 0.500 | | 99.6 | 70-130 | | | |

Matrix Spike Dup (2423082-MSD2) Source: E406030-03 Prepared: 06/05/24 Analyzed: 06/07/24

| | | | | | | | | | |
|----------------------------------|-------|------|-------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10) | 45.4 | 20.0 | 50.0 | ND | 90.7 | 70-130 | 4.59 | 20 | |
| Surrogate: Bromofluorobenzene | 0.529 | | 0.500 | | 106 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.466 | | 0.500 | | 93.2 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.505 | | 0.500 | | 101 | 70-130 | | | |



QC Summary Data

| | | | |
|-------------------------|------------------|-------------------------|----------------------|
| Devon Energy - Carlsbad | Project Name: | Boundary Raider 7 CTB 2 | Reported: |
| 6488 7 Rivers Hwy | Project Number: | 01058-0007 | |
| Artesia NM, 88210 | Project Manager: | Ashley Giovengo | 6/11/2024 12:16:15PM |

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 (2423116-BLK1) Prepared: 06/06/24 Analyzed: 06/08/24

| | | | | | | | | | |
|---------------------------------|------|------|------|--|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 44.1 | | 50.0 | | 88.1 | 50-200 | | | |

LCS (2423116-BS1) Prepared: 06/06/24 Analyzed: 06/08/24

| | | | | | | | | | |
|---------------------------------|------|------|------|--|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 240 | 25.0 | 250 | | 96.0 | 38-132 | | | |
| Surrogate: n-Nonane | 49.2 | | 50.0 | | 98.5 | 50-200 | | | |

Matrix Spike (2423116-MS1) Source: E406030-04 Prepared: 06/06/24 Analyzed: 06/08/24

| | | | | | | | | | |
|---------------------------------|------|------|------|----|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 251 | 25.0 | 250 | ND | 100 | 38-132 | | | |
| Surrogate: n-Nonane | 46.2 | | 50.0 | | 92.5 | 50-200 | | | |

Matrix Spike Dup (2423116-MSD1) Source: E406030-04 Prepared: 06/06/24 Analyzed: 06/08/24

| | | | | | | | | | |
|---------------------------------|------|------|------|----|------|--------|-------|----|--|
| Diesel Range Organics (C10-C28) | 253 | 25.0 | 250 | ND | 101 | 38-132 | 0.579 | 20 | |
| Surrogate: n-Nonane | 46.5 | | 50.0 | | 93.0 | 50-200 | | | |



QC Summary Data

| | | | |
|-------------------------|------------------|-------------------------|----------------------|
| Devon Energy - Carlsbad | Project Name: | Boundary Raider 7 CTB 2 | Reported: |
| 6488 7 Rivers Hwy | Project Number: | 01058-0007 | |
| Artesia NM, 88210 | Project Manager: | Ashley Giovengo | 6/11/2024 12:16:15PM |

Anions by EPA 300.0/9056A

Analyst: DT

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

| | | | | | | | | | |
|---------------------------------|-----|------|-----|------|---------------------------------------|--------|---------------------------------------|----|--|
| Blank (2423115-BLK1) | | | | | Prepared: 06/06/24 Analyzed: 06/06/24 | | | | |
| Chloride | ND | 20.0 | | | | | | | |
| LCS (2423115-BS1) | | | | | Prepared: 06/06/24 Analyzed: 06/06/24 | | | | |
| Chloride | 256 | 20.0 | 250 | | 102 | 90-110 | | | |
| Matrix Spike (2423115-MS1) | | | | | Source: E406032-01 | | Prepared: 06/06/24 Analyzed: 06/06/24 | | |
| Chloride | 314 | 20.0 | 250 | 51.7 | 105 | 80-120 | | | |
| Matrix Spike Dup (2423115-MSD1) | | | | | Source: E406032-01 | | Prepared: 06/06/24 Analyzed: 06/06/24 | | |
| Chloride | 305 | 20.0 | 250 | 51.7 | 101 | 80-120 | 2.96 | 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

| | | | |
|-------------------------|------------------|-------------------------|----------------|
| Devon Energy - Carlsbad | Project Name: | Boundary Raider 7 CTB 2 | |
| 6488 7 Rivers Hwy | Project Number: | 01058-0007 | Reported: |
| Artesia NM, 88210 | Project Manager: | Ashley Giovengo | 06/11/24 12:16 |

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Chain of Custody

Page 1 of 1

Received by OCD: 10/23/2024 1:50:49 PM

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| Client Information | | | | Invoice Information | | | | Lab Use Only | | | | TAT | | | | State | | | |
|---|--------------|--------|-------------------|-----------------------------------|--------------|------------|-----------------|---|--------------|-------------|----------------|---------------------|----------------|---------------|------|-------------|------|----|----|
| Client: Devon | | | | Company: Devon | | | | Lab WO# | | Job Number | | 1D | 2D | 3D | Std | NM | CO | UT | TX |
| Project: Boundary Raider 7 CTB 2 | | | | Address: 205 E Bender Road #150 | | | | E400030 | | 01058-0007 | | | | | X | X | | | |
| Project Manager: Ashley Giovengo | | | | City, State, Zip: Hobbs NM, 88240 | | | | | | | | | | | | | | | |
| Address: 3122 National Parks Hwy | | | | Phone: (575)748-1838 | | | | | | | | | | | | | | | |
| City, State, Zip: Carlsbad NM, 88220 | | | | Email: dale.woodall@dvn.com | | | | | | | | | | | | | | | |
| Phone: 575-988-0055 | | | | Miscellaneous: Dale Woodall | | | | | | | | | | | | | | | |
| Email: agiovengo@ensolum.com | | | | | | | | | | | | | | | | | | | |
| Sample Information | | | | | | | | | | | | Analysis and Method | | | | EPA Program | | | |
| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Field Filter | Lab Number | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Chloride 300.0 | BGDOC - NM | TCEQ 1005 - TX | RCRA 8 Metals | SDWA | CWA | RCRA | | |
| 10:22 | 6/3/2024 | Soil | 1 | SS01 - 0' | | 1 | | | | | | X | | | | | | | |
| 10:24 | 6/3/2024 | Soil | 1 | SS02 - 0' | | 2 | | | | | | X | | | | | | | |
| 11:35 | 6/3/2024 | Soil | 1 | SS03 - 0' | | 3 | | | | | | X | | | | | | | |
| 11:04 | 6/3/2024 | Soil | 1 | SS04 - 0' | | 4 | | | | | | X | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, dale.woodall@dvn.com, chamilton@ensolum.com, iestrella@ensolum.com | | | | | | | | | | | | | | | | | | | |
| I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. | | | | | | | | | | | | | | | | | | | |
| Sampled by: Cole Burton | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | Time | Received by: (Signature) | | Date | Time | 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. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4 | | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | Time | Received by: (Signature) | | Date | Time | | | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | Time | Received by: (Signature) | | Date | Time | | | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | Time | Received by: (Signature) | | Date | Time | | | | | | | | | | | | |
| 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 14 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

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Envirotech Analytical Laboratory

Printed: 6/5/2024 1:14:14PM

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: | Devon Energy - Carlsbad | Date Received: | 06/05/24 12:00 | Work Order ID: | E406030 |
| Phone: | (505) 382-1211 | Date Logged In: | 06/05/24 13:12 | Logged In By: | Alexa Michaels |
| Email: | ashley.giovengo@wescominc.com | Due Date: | 06/11/24 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? Yes

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.

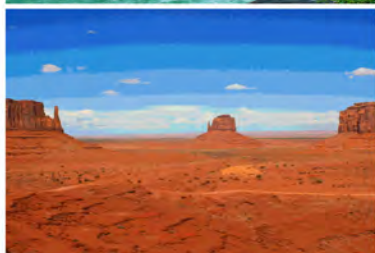
Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Boundary Raider 7 CTB 2

Work Order: E407019

Job Number: 23003-0002

Received: 7/3/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/10/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 7/10/24

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Boundary Raider 7 CTB 2
Workorder: E407019
Date Received: 7/3/2024 10:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/3/2024 10:00:00AM, under the Project Name: Boundary Raider 7 CTB 2.

The analytical test results summarized in this report with the Project Name: Boundary Raider 7 CTB 2 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

| | | |
|---|---|-----------------------------|
| Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240 | Project Name: Boundary Raider 7 CTB 2 Project Number: 23003-0002 Project Manager: Ashley Giovengo | Reported: 07/10/24 11:41 |
|---|---|-----------------------------|

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| SS01-0' | E407019-01A | Soil | 07/01/24 | 07/03/24 | Glass Jar, 2 oz. |
| SS02-0' | E407019-02A | Soil | 07/01/24 | 07/03/24 | Glass Jar, 2 oz. |
| SS03-0' | E407019-03A | Soil | 07/01/24 | 07/03/24 | Glass Jar, 2 oz. |
| SS04-0' | E407019-04A | Soil | 07/01/24 | 07/03/24 | Glass Jar, 2 oz. |



Sample Data

| | | |
|---|---|-----------------------------------|
| Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240 | Project Name: Boundary Raider 7 CTB 2 Project Number: 23003-0002 Project Manager: Ashley Giovengo | Reported: 7/10/2024 11:41:52AM |
|---|---|-----------------------------------|

SS01-0'
E407019-01

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: BA | | Batch: 2427034 | |
| Benzene | ND | 0.0250 | 1 | 07/03/24 | 07/09/24 | |
| Ethylbenzene | ND | 0.0250 | 1 | 07/03/24 | 07/09/24 | |
| Toluene | ND | 0.0250 | 1 | 07/03/24 | 07/09/24 | |
| o-Xylene | ND | 0.0250 | 1 | 07/03/24 | 07/09/24 | |
| p,m-Xylene | ND | 0.0500 | 1 | 07/03/24 | 07/09/24 | |
| Total Xylenes | ND | 0.0250 | 1 | 07/03/24 | 07/09/24 | |
| Surrogate: 4-Bromochlorobenzene-PID | 91.1 % | 70-130 | | 07/03/24 | 07/09/24 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: BA | | Batch: 2427034 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 07/03/24 | 07/09/24 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 93.6 % | 70-130 | | 07/03/24 | 07/09/24 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: KM | | Batch: 2427041 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 07/03/24 | 07/04/24 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 07/03/24 | 07/04/24 | |
| Surrogate: n-Nonane | 87.6 % | 50-200 | | 07/03/24 | 07/04/24 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: DT | | Batch: 2427051 | |
| Chloride | ND | 20.0 | 1 | 07/03/24 | 07/03/24 | |

Sample Data

| | | |
|---|---|-----------------------------------|
| Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240 | Project Name: Boundary Raider 7 CTB 2 Project Number: 23003-0002 Project Manager: Ashley Giovengo | Reported: 7/10/2024 11:41:52AM |
|---|---|-----------------------------------|

SS02-0'

E407019-02

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: BA | | Batch: 2427034 | |
| Benzene | ND | 0.0250 | 1 | 07/03/24 | 07/09/24 | |
| Ethylbenzene | ND | 0.0250 | 1 | 07/03/24 | 07/09/24 | |
| Toluene | ND | 0.0250 | 1 | 07/03/24 | 07/09/24 | |
| o-Xylene | ND | 0.0250 | 1 | 07/03/24 | 07/09/24 | |
| p,m-Xylene | ND | 0.0500 | 1 | 07/03/24 | 07/09/24 | |
| Total Xylenes | ND | 0.0250 | 1 | 07/03/24 | 07/09/24 | |
| Surrogate: 4-Bromochlorobenzene-PID | 90.6 % | 70-130 | | 07/03/24 | 07/09/24 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: BA | | Batch: 2427034 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 07/03/24 | 07/09/24 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 94.1 % | 70-130 | | 07/03/24 | 07/09/24 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: KM | | Batch: 2427041 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 07/03/24 | 07/04/24 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 07/03/24 | 07/04/24 | |
| Surrogate: n-Nonane | 84.7 % | 50-200 | | 07/03/24 | 07/04/24 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: DT | | Batch: 2427051 | |
| Chloride | 295 | 20.0 | 1 | 07/03/24 | 07/03/24 | |

Sample Data

| | | |
|---|---|-----------------------------------|
| Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240 | Project Name: Boundary Raider 7 CTB 2 Project Number: 23003-0002 Project Manager: Ashley Giovengo | Reported: 7/10/2024 11:41:52AM |
|---|---|-----------------------------------|

SS03-0'

E407019-03

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: BA | | Batch: 2427034 | |
| Benzene | ND | 0.0250 | 1 | 07/03/24 | 07/09/24 | |
| Ethylbenzene | ND | 0.0250 | 1 | 07/03/24 | 07/09/24 | |
| Toluene | ND | 0.0250 | 1 | 07/03/24 | 07/09/24 | |
| o-Xylene | ND | 0.0250 | 1 | 07/03/24 | 07/09/24 | |
| p,m-Xylene | ND | 0.0500 | 1 | 07/03/24 | 07/09/24 | |
| Total Xylenes | ND | 0.0250 | 1 | 07/03/24 | 07/09/24 | |
| Surrogate: 4-Bromochlorobenzene-PID | 89.5 % | 70-130 | | 07/03/24 | 07/09/24 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: BA | | Batch: 2427034 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 07/03/24 | 07/09/24 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 93.7 % | 70-130 | | 07/03/24 | 07/09/24 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: KM | | Batch: 2427041 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 07/03/24 | 07/04/24 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 07/03/24 | 07/04/24 | |
| Surrogate: n-Nonane | 84.9 % | 50-200 | | 07/03/24 | 07/04/24 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: DT | | Batch: 2427051 | |
| Chloride | 35.6 | 20.0 | 1 | 07/03/24 | 07/03/24 | |



Sample Data

| | | |
|---|---|--|
| Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240 | Project Name: Boundary Raider 7 CTB 2 Project Number: 23003-0002 Project Manager: Ashley Giovengo | Reported: 7/10/2024 11:41:52AM |
|---|---|--|

SS04-0'

E407019-04

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: BA | | Batch: 2427034 | |
| Benzene | ND | 0.0250 | 1 | 07/03/24 | 07/09/24 | |
| Ethylbenzene | ND | 0.0250 | 1 | 07/03/24 | 07/09/24 | |
| Toluene | ND | 0.0250 | 1 | 07/03/24 | 07/09/24 | |
| o-Xylene | ND | 0.0250 | 1 | 07/03/24 | 07/09/24 | |
| p,m-Xylene | ND | 0.0500 | 1 | 07/03/24 | 07/09/24 | |
| Total Xylenes | ND | 0.0250 | 1 | 07/03/24 | 07/09/24 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | 90.6 % | 70-130 | | 07/03/24 | 07/09/24 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: BA | | Batch: 2427034 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 07/03/24 | 07/09/24 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | 96.3 % | 70-130 | | 07/03/24 | 07/09/24 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: KM | | Batch: 2427041 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 07/03/24 | 07/04/24 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 07/03/24 | 07/04/24 | |
| <i>Surrogate: n-Nonane</i> | 85.9 % | 50-200 | | 07/03/24 | 07/04/24 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: DT | | Batch: 2427051 | |
| Chloride | 55.6 | 20.0 | 1 | 07/03/24 | 07/03/24 | |



QC Summary Data

| | | | |
|------------------------------|------------------|-------------------------|----------------------|
| Matador Resources, LLC. | Project Name: | Boundary Raider 7 CTB 2 | Reported: |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23003-0002 | |
| Dallas TX, 75240 | Project Manager: | Ashley Giovengo | 7/10/2024 11:41:52AM |

Volatile Organics by EPA 8021B

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 (2427034-BLK1)Prepared: 07/03/24 Analyzed: 07/08/24

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| 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: 4-Bromochlorobenzene-PID | 6.91 | | 8.00 | | 86.3 | 70-130 | | | |

LCS (2427034-BS1)Prepared: 07/03/24 Analyzed: 07/08/24

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene | 5.52 | 0.0250 | 5.00 | | 110 | 70-130 | | | |
| Ethylbenzene | 5.28 | 0.0250 | 5.00 | | 106 | 70-130 | | | |
| Toluene | 5.43 | 0.0250 | 5.00 | | 109 | 70-130 | | | |
| o-Xylene | 5.25 | 0.0250 | 5.00 | | 105 | 70-130 | | | |
| p,m-Xylene | 10.7 | 0.0500 | 10.0 | | 107 | 70-130 | | | |
| Total Xylenes | 15.9 | 0.0250 | 15.0 | | 106 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.06 | | 8.00 | | 88.2 | 70-130 | | | |

Matrix Spike (2427034-MS1)Source: E407017-10Prepared: 07/03/24 Analyzed: 07/08/24

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene | 5.04 | 0.0250 | 5.00 | ND | 101 | 54-133 | | | |
| Ethylbenzene | 4.83 | 0.0250 | 5.00 | ND | 96.5 | 61-133 | | | |
| Toluene | 4.96 | 0.0250 | 5.00 | ND | 99.2 | 61-130 | | | |
| o-Xylene | 4.80 | 0.0250 | 5.00 | ND | 96.0 | 63-131 | | | |
| p,m-Xylene | 9.79 | 0.0500 | 10.0 | ND | 97.9 | 63-131 | | | |
| Total Xylenes | 14.6 | 0.0250 | 15.0 | ND | 97.2 | 63-131 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 6.95 | | 8.00 | | 86.9 | 70-130 | | | |

Matrix Spike Dup (2427034-MSD1)Source: E407017-10Prepared: 07/03/24 Analyzed: 07/08/24

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|------|--------|------|----|--|
| Benzene | 4.86 | 0.0250 | 5.00 | ND | 97.2 | 54-133 | 3.58 | 20 | |
| Ethylbenzene | 4.64 | 0.0250 | 5.00 | ND | 92.9 | 61-133 | 3.85 | 20 | |
| Toluene | 4.76 | 0.0250 | 5.00 | ND | 95.3 | 61-130 | 3.99 | 20 | |
| o-Xylene | 4.60 | 0.0250 | 5.00 | ND | 91.9 | 63-131 | 4.32 | 20 | |
| p,m-Xylene | 9.42 | 0.0500 | 10.0 | ND | 94.2 | 63-131 | 3.82 | 20 | |
| Total Xylenes | 14.0 | 0.0250 | 15.0 | ND | 93.4 | 63-131 | 3.98 | 20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 6.89 | | 8.00 | | 86.1 | 70-130 | | | |



QC Summary Data

| | | | |
|------------------------------|------------------|-------------------------|----------------------|
| Matador Resources, LLC. | Project Name: | Boundary Raider 7 CTB 2 | Reported: |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23003-0002 | |
| Dallas TX, 75240 | Project Manager: | Ashley Giovengo | 7/10/2024 11:41:52AM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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

Blank (2427034-BLK1) Prepared: 07/03/24 Analyzed: 07/08/24

| | | | | | | | | | |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.39 | | 8.00 | | 92.4 | 70-130 | | | |

LCS (2427034-BS2) Prepared: 07/03/24 Analyzed: 07/08/24

| | | | | | | | | | |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 45.0 | 20.0 | 50.0 | | 90.0 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.50 | | 8.00 | | 93.8 | 70-130 | | | |

Matrix Spike (2427034-MS2) Source: E407017-10 Prepared: 07/03/24 Analyzed: 07/08/24

| | | | | | | | | | |
|---|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 49.4 | 20.0 | 50.0 | ND | 98.8 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.59 | | 8.00 | | 94.9 | 70-130 | | | |

Matrix Spike Dup (2427034-MSD2) Source: E407017-10 Prepared: 07/03/24 Analyzed: 07/08/24

| | | | | | | | | | |
|---|------|------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10) | 47.4 | 20.0 | 50.0 | ND | 94.9 | 70-130 | 4.07 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.63 | | 8.00 | | 95.3 | 70-130 | | | |



QC Summary Data

| | | | |
|------------------------------|------------------|-------------------------|----------------------|
| Matador Resources, LLC. | Project Name: | Boundary Raider 7 CTB 2 | Reported: |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23003-0002 | |
| Dallas TX, 75240 | Project Manager: | Ashley Giovengo | 7/10/2024 11:41:52AM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

| | | | | | | | | | |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2427041-BLK1) | | | | | Prepared: 07/03/24 Analyzed: 07/03/24 | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 44.3 | | 50.0 | | 88.6 | 50-200 | | | |

| | | | | | | | | | |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2427041-BS1) | | | | | Prepared: 07/03/24 Analyzed: 07/03/24 | | | | |
| Diesel Range Organics (C10-C28) | 290 | 25.0 | 250 | | 116 | 38-132 | | | |
| Surrogate: n-Nonane | 47.4 | | 50.0 | | 94.8 | 50-200 | | | |

| | | | | | | | | | |
|---------------------------------|------|------|------|-----|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2427041-MS1) | | | | | Source: E407014-02 | | Prepared: 07/03/24 Analyzed: 07/03/24 | | |
| Diesel Range Organics (C10-C28) | 558 | 50.0 | 250 | 282 | 110 | 38-132 | | | |
| Surrogate: n-Nonane | 46.1 | | 50.0 | | 92.2 | 50-200 | | | |

| | | | | | | | | | |
|---------------------------------|------|------|------|-----|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2427041-MSD1) | | | | | Source: E407014-02 | | Prepared: 07/03/24 Analyzed: 07/03/24 | | |
| Diesel Range Organics (C10-C28) | 526 | 50.0 | 250 | 282 | 97.8 | 38-132 | 5.81 | 20 | |
| Surrogate: n-Nonane | 48.6 | | 50.0 | | 97.2 | 50-200 | | | |



QC Summary Data

| | | |
|---|---|---------------------------------------|
| Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240 | Project Name: Boundary Raider 7 CTB 2 Project Number: 23003-0002 Project Manager: Ashley Giovengo | Reported: 7/10/2024 11:41:52AM |
|---|---|---------------------------------------|

Anions by EPA 300.0/9056A

Analyst: DT

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

| | | | | | | | | | |
|---------------------------------|-----|------|-----|------|---------------------------------------|--------|---------------------------------------|----|--|
| Blank (2427051-BLK1) | | | | | Prepared: 07/03/24 Analyzed: 07/03/24 | | | | |
| Chloride | ND | 20.0 | | | | | | | |
| LCS (2427051-BS1) | | | | | Prepared: 07/03/24 Analyzed: 07/03/24 | | | | |
| Chloride | 261 | 20.0 | 250 | | 104 | 90-110 | | | |
| Matrix Spike (2427051-MS1) | | | | | Source: E407019-03 | | Prepared: 07/03/24 Analyzed: 07/03/24 | | |
| Chloride | 304 | 20.0 | 250 | 35.6 | 107 | 80-120 | | | |
| Matrix Spike Dup (2427051-MSD1) | | | | | Source: E407019-03 | | Prepared: 07/03/24 Analyzed: 07/03/24 | | |
| Chloride | 304 | 20.0 | 250 | 35.6 | 107 | 80-120 | 0.0128 | 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

| | | | |
|------------------------------|------------------|-------------------------|----------------|
| Matador Resources, LLC. | Project Name: | Boundary Raider 7 CTB 2 | |
| 5400 LBJ Freeway, Suite 1500 | Project Number: | 23003-0002 | Reported: |
| Dallas TX, 75240 | Project Manager: | Ashley Giovengo | 07/10/24 11:41 |

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Page 1 of 1



Envirotech Analytical Laboratory

Printed: 7/3/2024 1:16:23PM

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: | Matador Resources, LLC. | Date Received: | 07/03/24 10:00 | Work Order ID: | E407019 |
| Phone: | (972) 371-5200 | Date Logged In: | 07/02/24 16:15 | Logged In By: | Alexa Michaels |
| Email: | agiovngo@ensolum.com | Due Date: | 07/11/24 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: Couier**Comments/Resolution****Sample 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? Yes

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.



APPENDIX E

NMOCD Correspondence

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 350453

QUESTIONS

| | |
|---|----------------|
| Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102 | OGRID: |
| | 6137 |
| | Action Number: |
| | 350453 |
| Action Type: | |
| [NOTIFY] Notification Of Liner Inspection (C-141L) | |

QUESTIONS

| | |
|----------------------|--|
| Prerequisites | |
| Incident ID (n#) | nAPP2414543825 |
| Incident Name | NAPP2414543825 BOUNDARY RAIDER 7 CTB 2 @ 0 |
| Incident Type | Produced Water Release |
| Incident Status | Initial C-141 Approved |
| Incident Facility | [fAPP2123645710] BOUNDARY RAIDER 7 CTB 2 |

| | |
|-----------------------------------|-------------------------|
| Location of Release Source | |
| Site Name | BOUNDARY RAIDER 7 CTB 2 |
| Date Release Discovered | 05/24/2024 |
| Surface Owner | Federal |

| | |
|---|--|
| Liner Inspection Event Information | |
| Please answer all the questions in this group. | |
| What is the liner inspection surface area in square feet | 7,250 |
| Have all the impacted materials been removed from the liner | Yes |
| Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC | 06/06/2024 |
| Time liner inspection will commence | 09:00 AM |
| Please provide any information necessary for observers to liner inspection | Ashley Giovengo Senior Scientist 575-988-0055 Ensolum, LLC |
| Please provide any information necessary for navigation to liner inspection site | 32.314206, -103.709198 |

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

CONDITIONS

Action 350453

CONDITIONS

| | |
|---|--|
| Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102 | OGRID: 6137 |
| | Action Number: 350453 |
| | Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|--|----------------|
| wdale | Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted. | 6/3/2024 |

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 395207

QUESTIONS

| | |
|---|---|
| Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102 | OGRID: 6137 |
| | Action Number: 395207 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| | |
|-------------------|--|
| Prerequisites | |
| Incident ID (n#) | nAPP2415972085 |
| Incident Name | NAPP2415972085 BOUNDARY RAIDER 7 CTB 2 @ 0 |
| Incident Type | Produced Water Release |
| Incident Status | Remediation Closure Report Received |
| Incident Facility | [fAPP2123645710] BOUNDARY RAIDER 7 CTB 2 |

| | |
|--|-------------------------|
| Location of Release Source | |
| Please answer all the questions in this group. | |
| Site Name | BOUNDARY RAIDER 7 CTB 2 |
| Date Release Discovered | 06/07/2024 |
| 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 Pump Produced Water Released: 23 BBL Recovered: 22 BBL Lost: 1 BBL. |
| Is the concentration of chloride in the produced water >10,000 mg/l | No |
| 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) | 1/4" plug washed out on the vbasket strainer housing. 23 bbls spilled. 22 bbls recovered in lined containment |

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 2

Action 395207

QUESTIONS (continued)

| | |
|---|---|
| Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102 | OGRID: 6137 |
| | Action Number: 395207 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| Nature and Volume of Release (continued) | |
|---|---|
| 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@dvsn.com Date: 10/23/2024 |
|--|---|

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 3

Action 395207

QUESTIONS (continued)

| | |
|---|---|
| Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102 | OGRID: 6137 |
| | Action Number: 395207 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS**Site Characterization**

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

| | |
|--|--------------------------------|
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs) | Between 51 and 75 (ft.) |
| What method was used to determine the depth to ground water | NM OSE iWaters Database Search |
| Did this release impact groundwater or surface water | No |
| What is the minimum distance, between the closest lateral extents of the release and the following surface areas: | |
| 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) | 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 | Between ½ and 1 (mi.) |
| Any other fresh water well or spring | Between ½ and 1 (mi.) |
| Incorporated municipal boundaries or a defined municipal fresh water well field | Greater than 5 (mi.) |
| A wetland | Between 1 and 5 (mi.) |
| A subsurface mine | Greater than 5 (mi.) |
| An (non-karst) unstable area | Greater than 5 (mi.) |
| Categorize the risk of this well / site being in a karst geology | Low |
| A 100-year floodplain | Greater than 5 (mi.) |
| Did the release impact areas not on an exploration, development, production, or storage site | No |

Remediation Plan

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

| | |
|---|------------|
| Requesting a remediation plan approval with this submission | Yes |
| <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 | Yes |
| <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 | 07/16/2070 |
| 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) | 07/16/2070 |
| 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 |
| <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> | |

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QUESTIONS, Page 4

Action 395207

QUESTIONS (continued)

| | |
|---|---|
| Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102 | OGRID: 6137 |
| | Action Number: 395207 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| | |
|--|---|
| Remediation Plan (continued) | |
| <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> | |
| This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants: | |
| <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 Title: EHS Professional Email: jim.raley@dv.com 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 395207

QUESTIONS (continued)

| | |
|---|---|
| Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102 | OGRID: 6137 |
| | Action Number: 395207 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| Liner Inspection Information | |
|---|------------|
| Last liner inspection notification (C-141L) recorded | 383085 |
| Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC | 09/17/2024 |
| Was all the impacted materials removed from the liner | Yes |
| What was the liner inspection surface area in square feet | 10176 |

Remediation Closure Request

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

| | |
|---|-----------------|
| Requesting a remediation closure approval with this submission | Yes |
| Have the lateral and vertical extents of contamination been fully delineated | Yes |
| Was this release entirely contained within a lined containment area | Yes |
| What was the total surface area (in square feet) remediated | 0 |
| What was the total volume (cubic yards) remediated | 0 |
| Summarize any additional remediation activities not included by answers (above) | Liner Inspected |

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

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

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

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CONDITIONS

Action 395207

CONDITIONS

| | |
|---|---|
| Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102 | OGRID: 6137 |
| | Action Number: 395207 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

CONDITIONS

| Created By | Condition | Condition Date |
|----------------|-----------|----------------|
| crystal.walker | Approved | 11/22/2024 |