



SITE ASSESSMENT AND REMEDIATION WORK PLAN

PREPARED FOR:
DEVON ENERGY PRODUCTION, LP.

PREPARED BY:
PIMA ENVIRONMENTAL SERVICES, LLC.

February 6, 2025
PIMA ENVIRONMENTAL SERVICES, LLC.
5614 N LOVINGTON HWY, HOBBS, NM 88240

NMOCD District 1
1625 N. French Drive
Hobbs, NM 88240

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



RE: SITE CHARACTERISTIC AND REMEDIATION WORK PLAN

LOCATION: Boundary Raider 6 Federal #002H

WELL API): 30-025-41884

GPS: 32.3256416, -103.7059097

INCIDENT LOCATION: A-07-T23S-R32E

COUNTY: Lea

NMOCD REF. NO. nAPP2213648985

Pima Environmental Services LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to prepare this Site Characteristic and Remediation Plan Report for a produced water release that occurred at the Boundary Raider 6 Federal #002H (Boundary Raider). This incident was assigned Incident ID NAPP2213648985 by the New Mexico Oil Conservation Division (NMOCD).

SITE CHARACTERIZATION

The Boundary Raider is located approximately twenty-two (22) miles northeast of Malaga, NM. This spill site is in Unit A, Section 07, Township 23S, Range 32E, Latitude 32.3256416 Longitude -103.7059097, Lea County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Pyote and Maljamar fine sands, according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is well drained. There is a low potential for karst geology to be present around the Boundary Raider (Figure 3). Reference Figure 2 for a Topographic Map.

Based on the well water data from the New Mexico Office of the State Engineer water well (C-04815-POD 1), the depth to the nearest groundwater in this vicinity measures 55 feet below grade surface (BGS), positioned 0.85 miles away from the Boundary Raider, drilled, April 16, 2024. Conversely, as per the United States Geological Survey well water data (USGS 321952103400801 23S.32E.03.311114), the nearest groundwater depth in this region is recorded at 487 feet BGS, situated approximately 2.15 miles away from the Boundary Raider, with the last gauge conducted in 2012. The nearest surface water feature is a Salt Playa located approximately 13.81 miles to the West of this site. For detailed references to water surveys and the precise locations of water wells, please refer to Appendix A, inclusive of the relevant maps.



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Boundary Raider 6 Federal #002H | nAPP2213648985

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RELEASE INFORMATION

NAPP2213648985: On May 15, 2022, the heater-treater on location caught on fire. The fire department extinguished the fire. The sight glass broke which caused an estimated 5.7 barrels (bbls) of produce water to spill on location, not in a lined containment. The spill did not go offsite. The released fluids were calculated to be approximately 6 barrels (bbls) of Produced Water. No fluids were able to be recovered.

REMEDIATION ACTIVITIES, SITE ASSESSMENT, AND SOIL SAMPLING RESULTS

On January 20, 2025, Pima mobilized personnel to the site to collect soil samples from the spill area. A hand auger was used to collect the samples from the affected area. The laboratory results of these sampling events are provided in the following data table. A Site Map is available in Figure 4.

1-20-2025 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY Boundary Raider 6 Fed #2H								
Date: 1-20-25		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S1	1'	0.18	ND	ND	258	77.7	335.88	127
	2'	ND	ND	ND	125	ND	125	80.5
	3'	ND	ND	ND	27.4	ND	27.4	84.8
	4'	ND	ND	ND	57.9	ND	57.9	86.2
	5'	ND	ND	ND	ND	ND	ND	ND
S2	1'	ND	ND	ND	1260	477	1737	148
	2'	ND	ND	ND	1100	413	1513	264
	3'	ND	ND	ND	138	63.2	201.2	87.4
	4'	ND	ND	ND	ND	ND	ND	ND
	5'	ND	ND	ND	ND	ND	ND	ND
S3	1'	ND	ND	ND	ND	ND	ND	566
	2'	ND	ND	ND	ND	ND	ND	56.3
	3'	ND	ND	ND	ND	ND	ND	40
	4'	ND	ND	ND	ND	ND	ND	35.1
	5'	ND	ND	ND	ND	ND	ND	ND
S4	1'	ND	ND	ND	25.5	ND	25.5	210
	2'	ND	ND	ND	47.5	ND	47.5	ND
	3'	ND	ND	ND	ND	ND	ND	ND
	4'	ND	ND	ND	ND	ND	ND	ND
	5'	ND	ND	ND	ND	ND	ND	ND
S5	1'	ND	ND	ND	ND	ND	ND	37.3
	2'	ND	ND	ND	ND	ND	ND	ND
	3'	ND	ND	ND	ND	ND	ND	ND
	4'	ND	ND	ND	ND	ND	ND	ND
	5'	ND	ND	ND	ND	ND	ND	ND
S6	1'	ND	ND	ND	ND	ND	ND	ND
	2'	ND	ND	ND	ND	ND	ND	ND
	3'	ND	ND	ND	ND	ND	ND	ND
	4'	ND	ND	ND	ND	ND	ND	ND
	5'	ND	ND	ND	ND	ND	ND	ND

ND/0: Analyte non-detect



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NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY Boundary Raider 6 Fed #2H								
Date: 1-20-25		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S7	1'	ND	ND	ND	ND	ND	ND	44.3
	2'	ND	ND	ND	ND	ND	ND	56
	3'	ND	ND	ND	ND	ND	ND	73.6
	4'	ND	ND	ND	ND	ND	ND	75.5
	5'	ND	ND	ND	ND	ND	ND	ND
S8	1'	ND	ND	ND	ND	ND	ND	ND
	2'	ND	ND	ND	ND	ND	ND	ND
	3'	ND	ND	ND	39.4	60.2	99.6	52.5
	4'	ND	ND	ND	ND	ND	ND	ND
	5'	ND	ND	ND	ND	ND	ND	ND
S9	1'	ND	ND	ND	ND	ND	ND	ND
	2'	ND	ND	ND	ND	ND	ND	ND
	3'	ND	ND	ND	ND	ND	ND	ND
	4'	ND	ND	ND	ND	ND	ND	ND
	5'	ND	ND	ND	ND	ND	ND	ND
SW1	Surface-5' Comp	ND	ND	ND	ND	ND	ND	ND
SW2	Surface-5' Comp	ND	ND	ND	ND	ND	ND	ND
SW3	Surface-5' Comp	ND	ND	ND	ND	ND	ND	ND
SW4	Surface-5' Comp	ND	ND	ND	ND	ND	ND	ND
SW5	Surface-5' Comp	ND	ND	ND	ND	ND	ND	ND
SW6	Surface-5' Comp	ND	ND	ND	ND	ND	ND	ND
SW7	Surface-5' Comp	ND	ND	ND	ND	ND	ND	ND
SW8	Surface-5' Comp	ND	ND	ND	ND	ND	ND	ND
BG1	1'	ND	ND	ND	ND	ND	ND	ND

ND/0: Analyte non-detect

Complete Laboratory Reports are attached to Appendix E.



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REMEDIATION PLAN

Based on the sample results, remediation of area S1 is required to be excavated to a depth of 2 feet deep and area S2 is required to be excavated to a depth of 3 feet below ground surface. On behalf of Devon, Pima proposes to remediate these areas by the following method:

1. Submit a one-call through the NM811 system.
2. The estimated volume of soil to be remediated from the above-mentioned sample points is based on a 200 square foot area per sample point, totaling 400 square feet at an average depth of 2 to 3 feet below ground surface and approximately 38 cubic yards.
3. We propose to excavate the affected areas using mechanical and hand equipment and dispose of the contaminated soil at an NMOCD-approved facility. A Proposed Excavation Map can be found in Figure 5.
4. After Devon submits a 48-hour sampling notification, we will collect 5-point composite samples from the excavated areas. These sample points will include base samples from excavated areas, and sidewall samples from the walls of each excavation representative of no more than 200 square feet.
5. Upon final receipt of laboratory reports showing contamination levels are under the regulatory limits of Table 1 19.15.29 NMAC. The excavation will be backfilled with clean, like material, and a remediation closure report will be drafted and submitted to the NMOCD portal for review and approval.
6. Work will commence within 30 days of approval of this work plan by NMOCD and will be completed within 30 days after the start of construction.

On behalf of Devon, Pima would like to request approval of this remediation work plan. Work can begin within 30 days of approval, contingent upon personnel and equipment scheduling.

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

Devon Energy Production – Jim Raley at 575-689-7597 or jim.raley@devon.com.

Pima Environmental – Gio Gomez at 806-782-1151 or gio@pimaoil.com.



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ATTACHMENTS

FIGURES:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map
- 5- Proposed Excavation Map

APPENDICES:

Appendix A – Referenced Water Surveys

Appendix B – Soil Survey, Geological Data, FEMA, and Wetlands Map

Appendix C – Photographic Documentation

Appendix D – Laboratory Reports



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FIGURES

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map
- 5- Proposed Excavation Map



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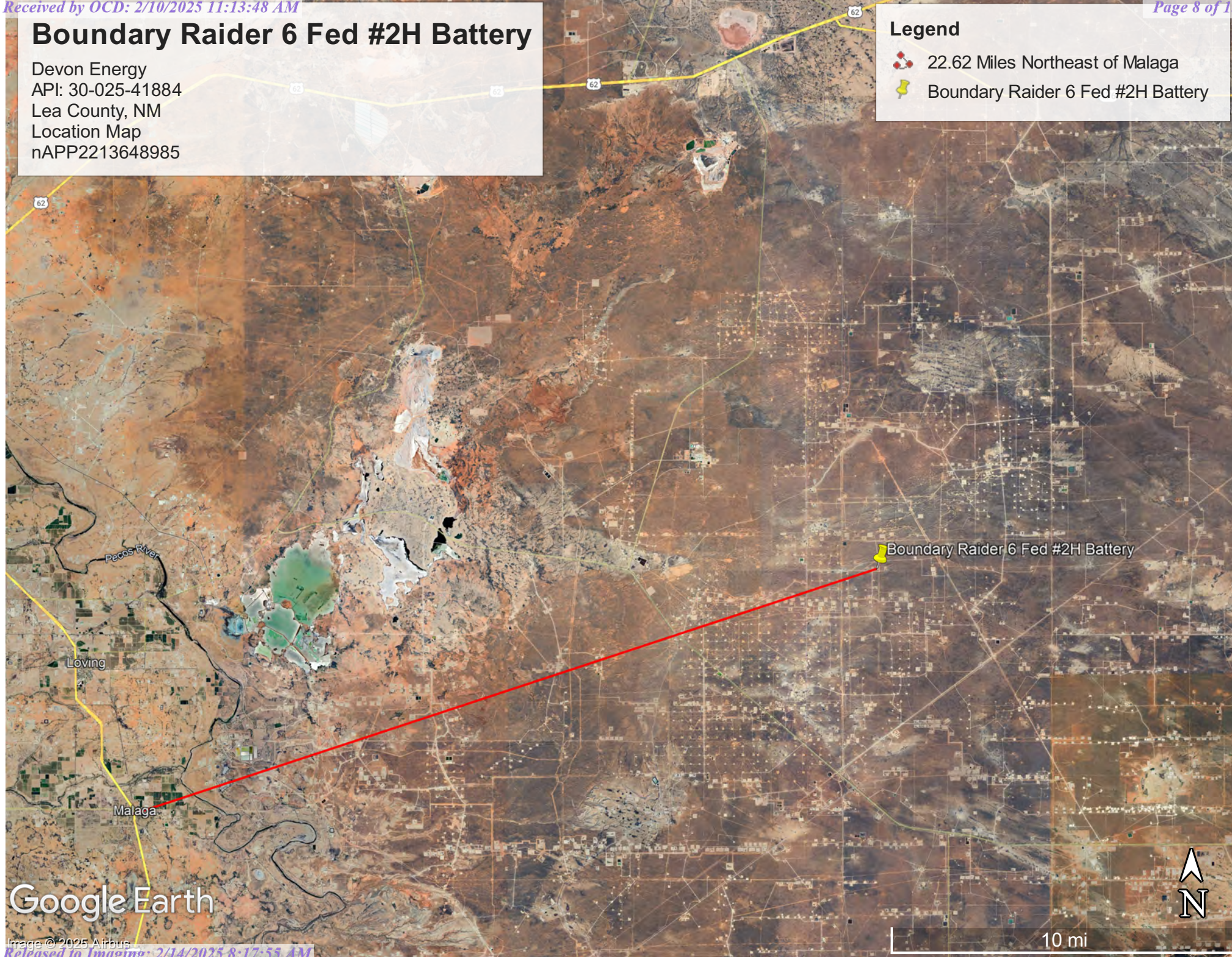
DEVON ENERGY PRODUCTION, LP.

Boundary Raider 6 Fed #2H Battery

Devon Energy
API: 30-025-41884
Lea County, NM
Location Map
nAPP2213648985

Legend

-  22.62 Miles Northeast of Malaga
-  Boundary Raider 6 Fed #2H Battery




Google Earth

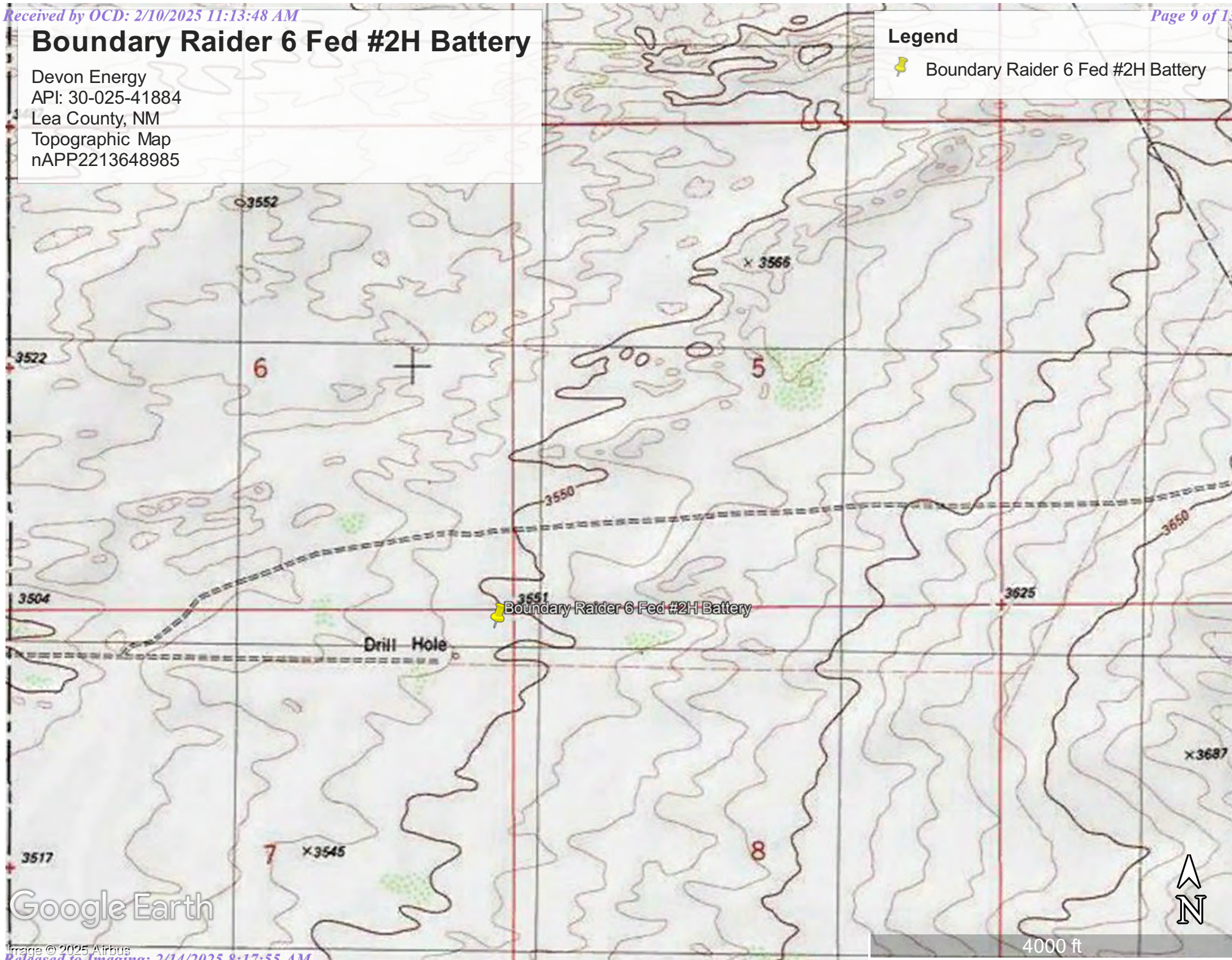
Image © 2025 Airbus

Boundary Raider 6 Fed #2H Battery

Devon Energy
API: 30-025-41884
Lea County, NM
Topographic Map
nAPP2213648985

Legend

 Boundary Raider 6 Fed #2H Battery







Google Earth

Boundary Raider 6 Fed #2H Battery


Devon Energy
API: 30-025-41884
Lea County, NM
Karst Map
nAPP2213648985

Legend

-  Boundary Raider 6 Fed #2H Battery
-  High Karst
-  Low Karst
-  Medium Karst

Google Earth

Image © 2025 Airbus

 Boundary Raider 6 Fed #2H Battery







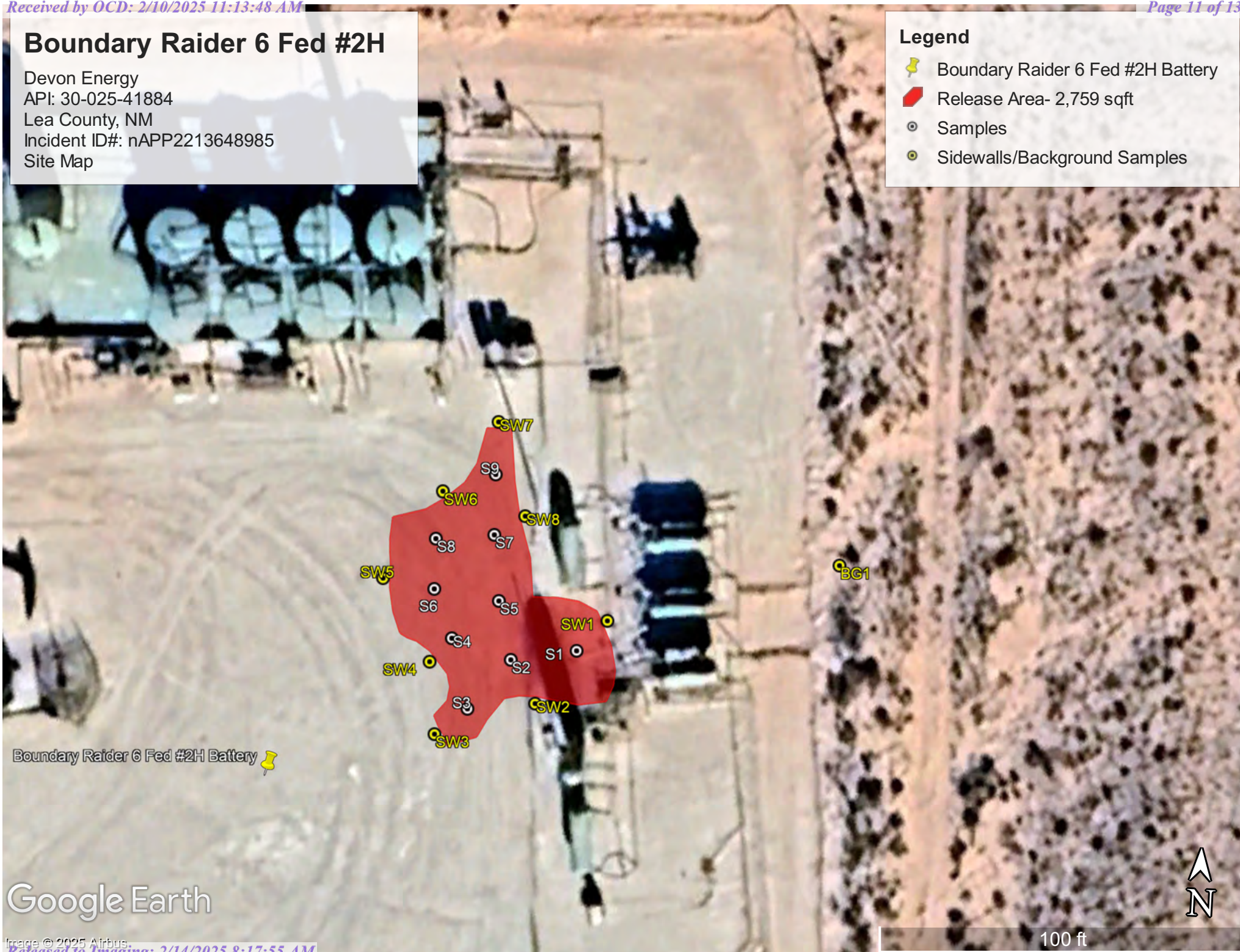
5 mi

Boundary Raider 6 Fed #2H

Devon Energy
API: 30-025-41884
Lea County, NM
Incident ID#: nAPP2213648985
Site Map

Legend







-  Boundary Raider 6 Fed #2H Battery
-  Release Area- 2,759 sqft
-  Samples
-  Sidewalls/Background Samples

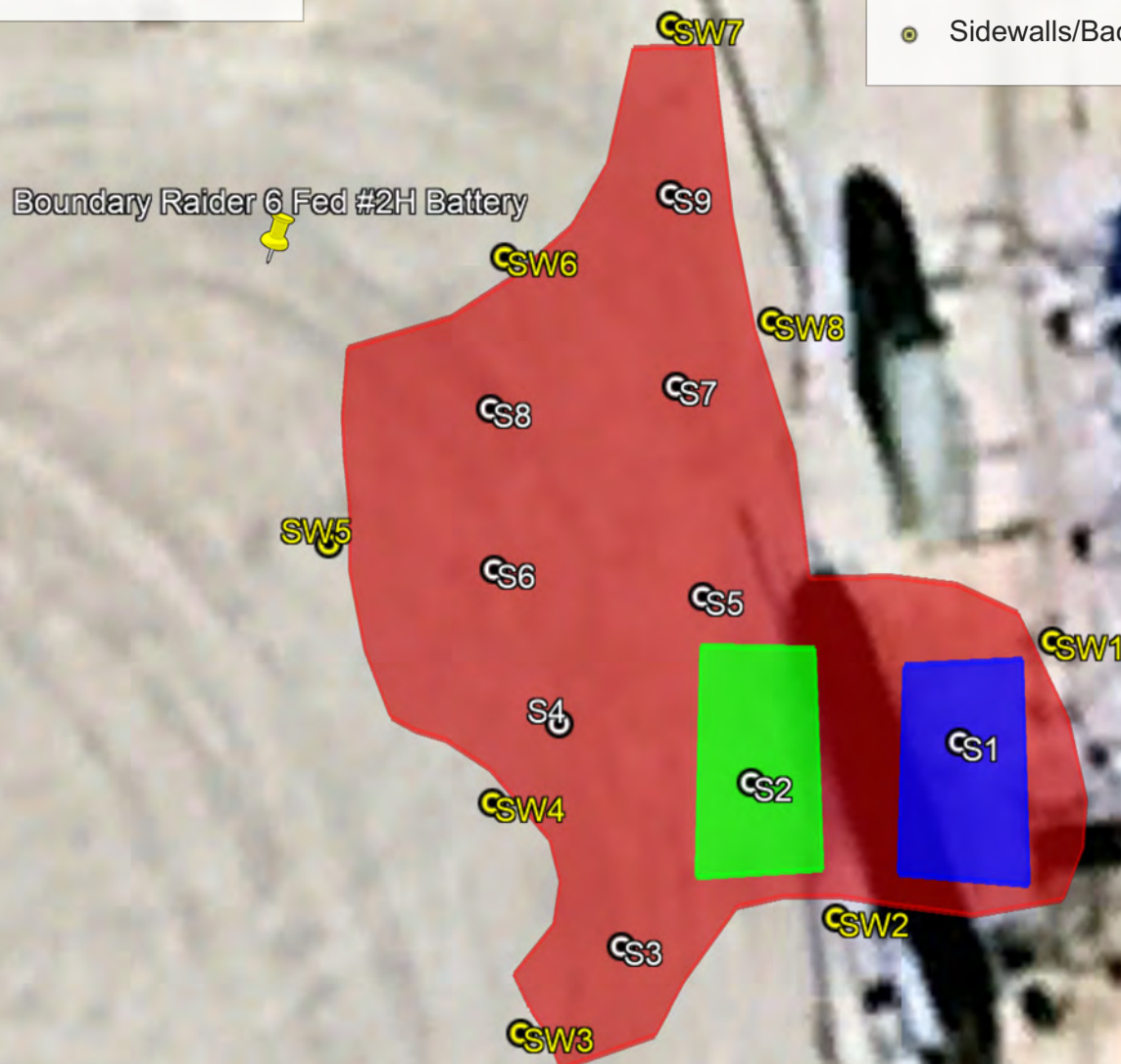


Boundary Raider 6 Federal #002H

Devon Energy
API: 30-025-41884
Lea County, NM
Proposed Excavation Map
NAPP2213648985

Legend

-  Boundary Raider 6 Fed #2H Battery
-  Release Area- 2759 sqft
-  S1 proposed excavation area- excavate to 2'
-  S2 proposed excavation area- excavate to 3'
-  Samples
-  Sidewalls/Background Samples



APPENDIX A

OSE Water Survey

USGS Water Survey

Surface Water Map



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Point of Diversion Summary

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

quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
NA	C 04815 POD1	NW	SE	SW	08	23S	32E	622391.9	3576025.7	

* UTM location was derived from PLSS - see Help

Driller License:

1833

Driller Company:

VISION RESOURCES, INC

Driller Name:

JASON MALEY

Drill Start Date:

2024-04-16

Drill Finish Date:

2024-04-16

Plug Date:

2024-04-22

Log File Date:

2024-04-25

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

55

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.



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: ~~CP-04815~~ C-04815
 Well owner: Devon Energy Resources Phone No.: _____
 Mailing address: 205 E Bender Road#150
 City: Hobbs State: NM Zip code: 88240

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Vision Resources
- 2) New Mexico Well Driller License No.: 1833 Expiration Date: 10-7-25
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Jason Maley
- 4) Date well plugging began: 4-22-24 Date well plugging concluded: 4-22-24
- 5) GPS Well Location: Latitude: 32 deg, 18 min, 51.8 sec
 Longitude: -103 deg, 41 min, 59.4 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl),
 by the following manner: Tape
- 7) Static water level measured at initiation of plugging: Dry ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 03-07-2024
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

OSE DIT APR 25 2024 PM 2:37




- For each interval plugged, describe within the following columns:**

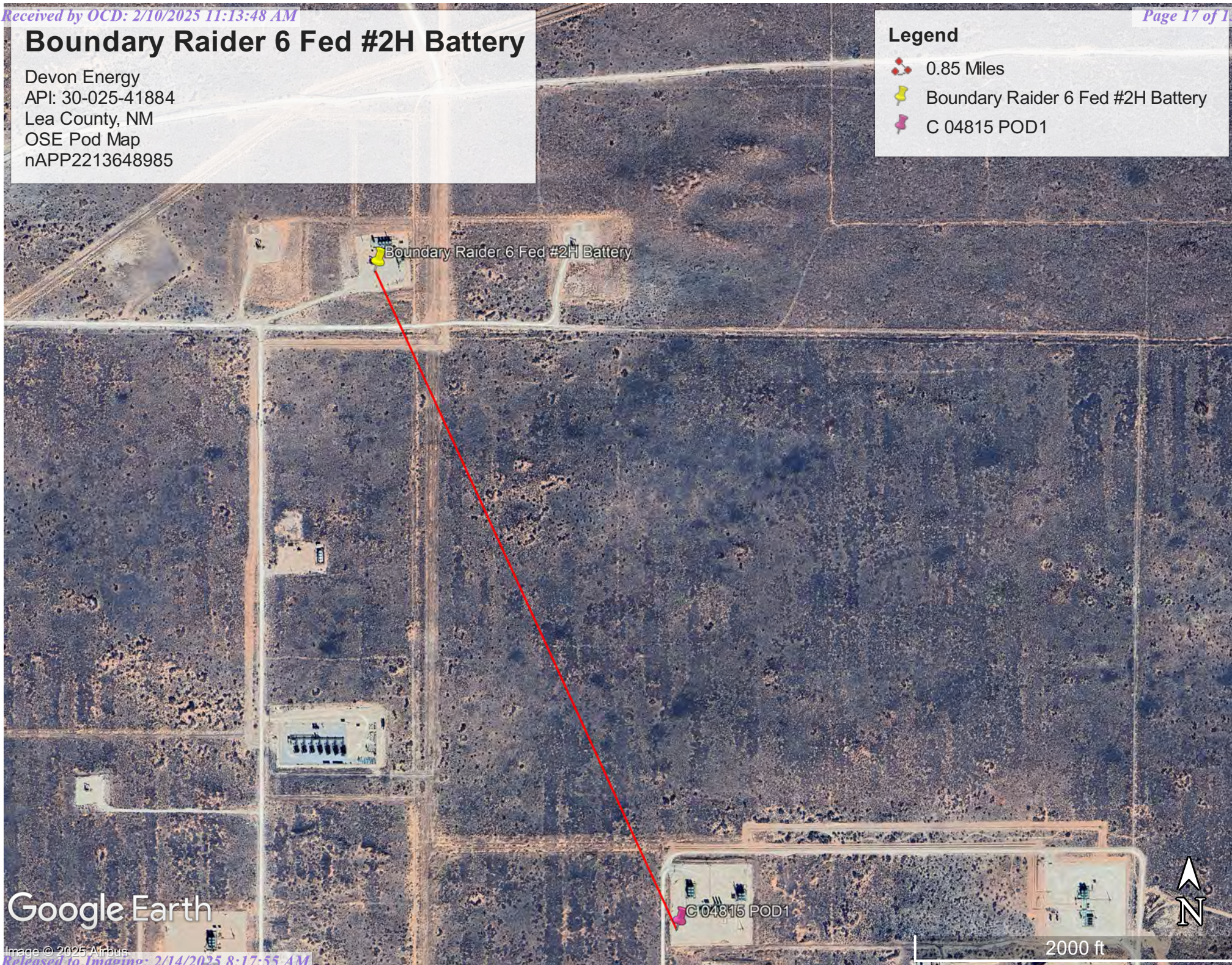
Date _____

Boundary Raider 6 Fed #2H Battery

Devon Energy
API: 30-025-41884
Lea County, NM
OSE Pod Map
nAPP2213648985

Legend

-  0.85 Miles
-  Boundary Raider 6 Fed #2H Battery
-  C 04815 POD1



Google Earth

Image © 2025 Airbus



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

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 321952103400801

Minimum number of levels = 1

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

USGS 321952103400801 23S.32E.03.311114

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°19'59.2", Longitude 103°40'12.6" NAD83

Land-surface elevation 3,648.00 feet above NGVD29

The depth of the well is 630 feet below land surface.

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

This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

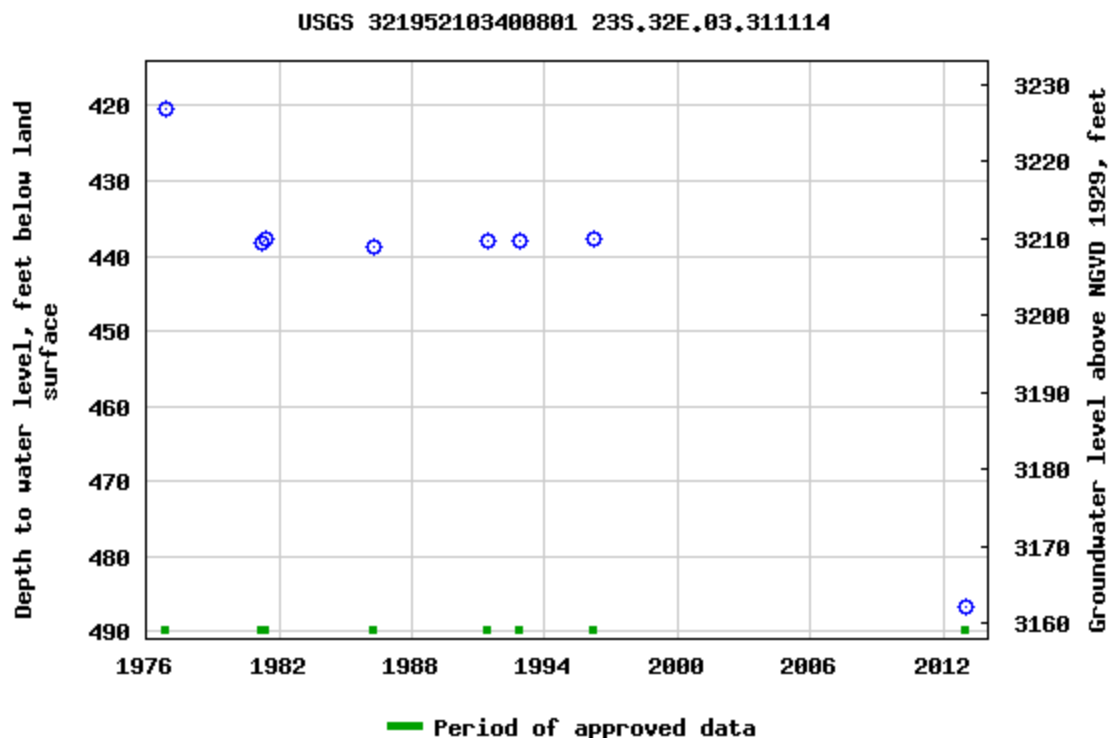
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.
[Download a presentation-quality graph](#)

[Questions or Comments](#)

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Title: Groundwater for USA: Water Levels

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



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

Page Last Modified: 2025-01-16 13:11:53 EST

0.68 0.52 nadww01

Boundary Raider 6 Fed #2H Battery

Devon Energy
API: 30-025-41884
Lea County, NM
USGS Map
nAPP2213648985

Legend

- 2.15 Miles
- Boundary Raider 6 Fed #2H Battery
- USGS 321952103400801

Boundary Raider 6 Fed #2H Battery

USGS 321952103400801

Google Earth

Image © 2025 Airbus



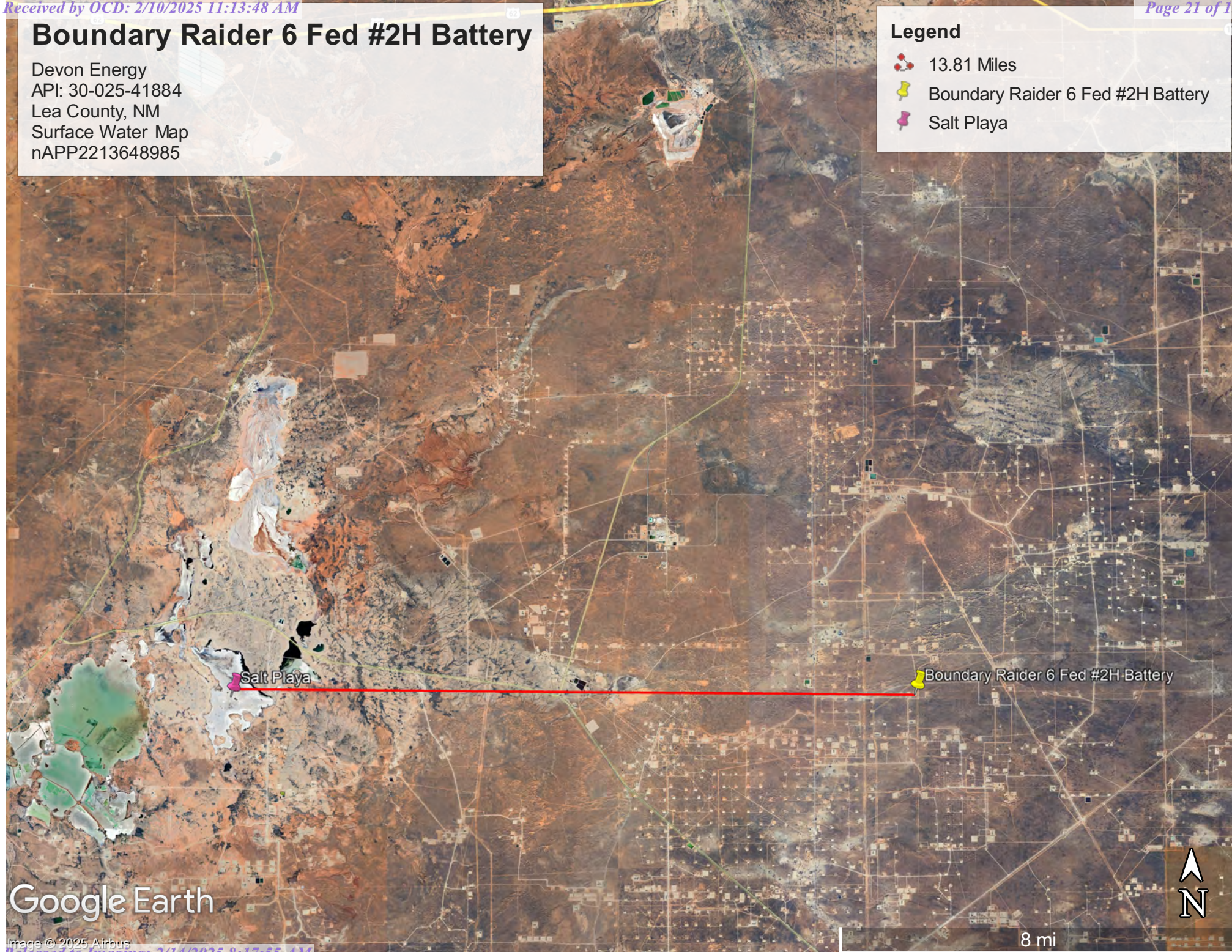
1 mi

Boundary Raider 6 Fed #2H Battery

Devon Energy
API: 30-025-41884
Lea County, NM
Surface Water Map
nAPP2213648985

Legend

- 13.81 Miles
- Boundary Raider 6 Fed #2H Battery
- Salt Playa



Google Earth

Image © 2025 Airbus

8 mi

APPENDIX B

Soil Survey & Geological Data

Geologic Unit Map

FEMA Flood Map

Wetlands Map



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

Lea County, New Mexico

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq

Elevation: 3,000 to 3,900 feet

Mean annual precipitation: 10 to 12 inches

Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Not prime farmland

Map Unit Composition

Pyote and similar soils: 46 percent

Maljamar and similar soils: 44 percent

Minor components: 10 percent

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

Description of Pyote

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 30 inches: fine sand

Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Negligible

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

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 1 percent

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

Sodium adsorption ratio, maximum: 2.0

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

Interpretive groups

Land capability classification (irrigated): 6e

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

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

Description of Maljamar

Setting

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

Typical profile

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

Properties and qualities

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

Interpretive groups

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

Minor Components

Kermit

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

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

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024

Soil Map—Lea County, New Mexico



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

1/16/2025
Page 1 of 3

Soil Map—Lea County, New Mexico


MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024

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

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

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PU	Pyote and Maljamar fine sands	11.9	100.0%
Totals for Area of Interest		11.9	100.0%

(<https://www.usgs.gov/>)

Mineral Resources (<https://www.usgs.gov/energy-and-minerals/mineral-resources-program>)

/ Online Spatial Data (/) / Geology (/geology/) / by state (/geology/state/)

/ New Mexico (/geology/state/state.php?state=NM)

Eolian and piedmont deposits

XML (/geology/state/xml/NMQep;0)

JSON (/geology/state/json/NMQep;0)

Shapefile (/geology/state/unit-shape.php?unit=NMQep;0)

Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits.

State New Mexico (/geology/state/state.php?state=NM)

Name Eolian and piedmont deposits

Geologic age Holocene to middle Pleistocene

Lithologic constituents Major

Unconsolidated

(Eolian)

Interlayered eolian sands and piedmont-slope deposits

References

New Mexico Bureau of Geology and Mineral Resources, 2003, Geologic Map of New Mexico, scale 1:500,000 (includes some new polygons, faults, and attributes not in NM001 - heads up digitizing by JHorton).

NGMDB product NGMDB product page for 22974
(https://ngmdb.usgs.gov/Prodesc/proddesc_22974.htm)

Counties Chaves (/geology/state/fips-unit.php?code=f35005) - DeBaca (/geology/state/fips-unit.php?code=f35011) - Eddy (/geology/state/fips-unit.php?code=f35015) - Lea (/geology/state/fips-unit.php?code=f35025) - Roosevelt (/geology/state/fips-unit.php?code=f35041)

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Contact USGS (<https://answers.usgs.gov/>)

U.S. Department of the Interior (<https://www.doi.gov/>) | DOI Inspector General (<https://www.doiig.gov/>) |

Boundary Raider 6 Fed #2H Battery

Devon Energy
API: 30-025-41884
Lea County, NM
Geological Map
nAPP2213648985

Legend

-  Boundary Raider 6 Fed #2H Battery
-  Eolian and piedmont deposits
-  Piedmont alluvial deposits

Google Earth

Image © 2025 Airbus

Boundary Raider 6 Fed #2H Battery

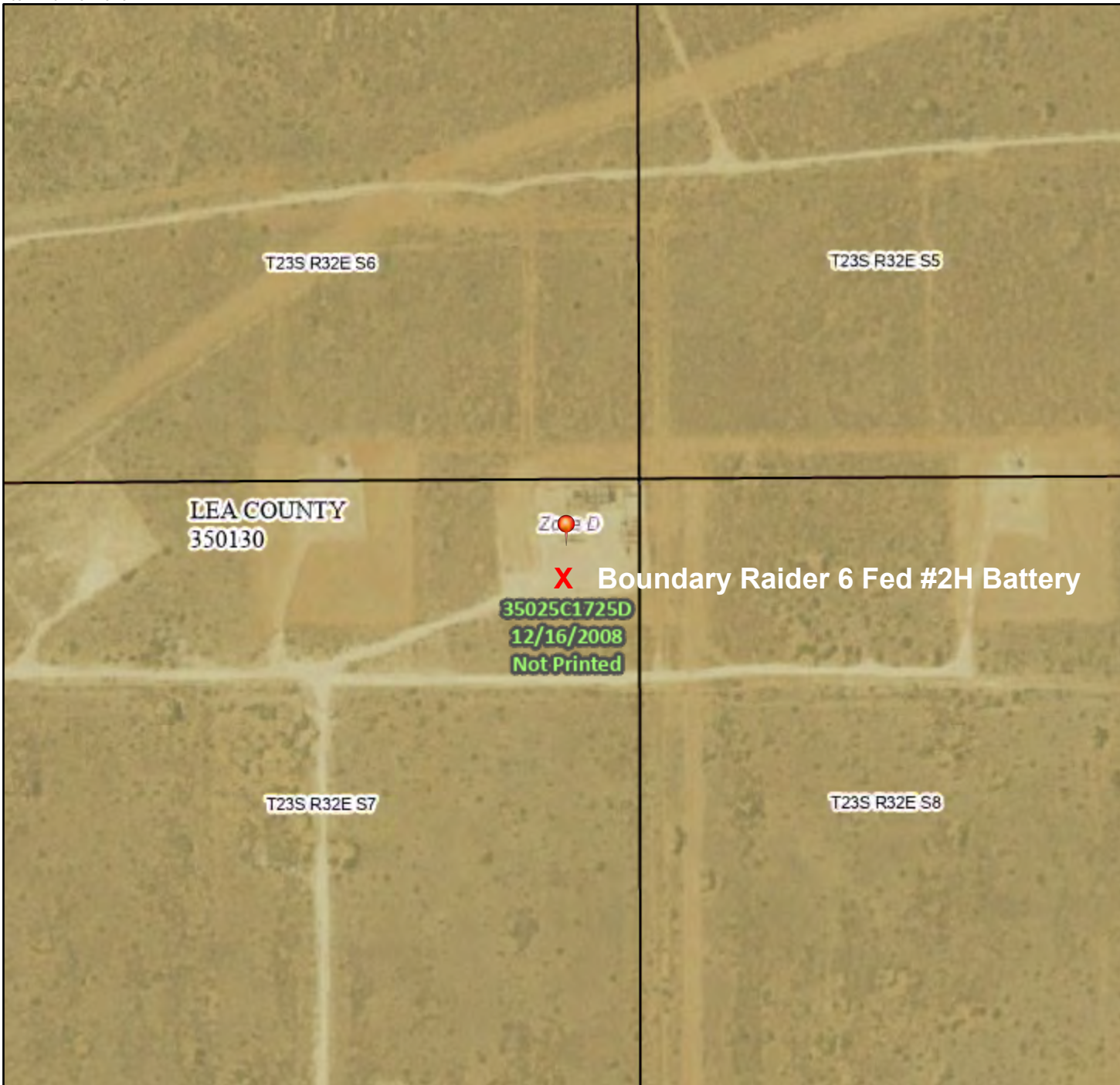


3 mi

National Flood Hazard Layer FIRMette



103°42'40"W 32°19'48"N



Legend

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

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

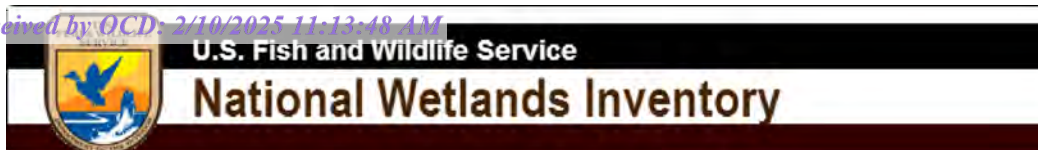


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

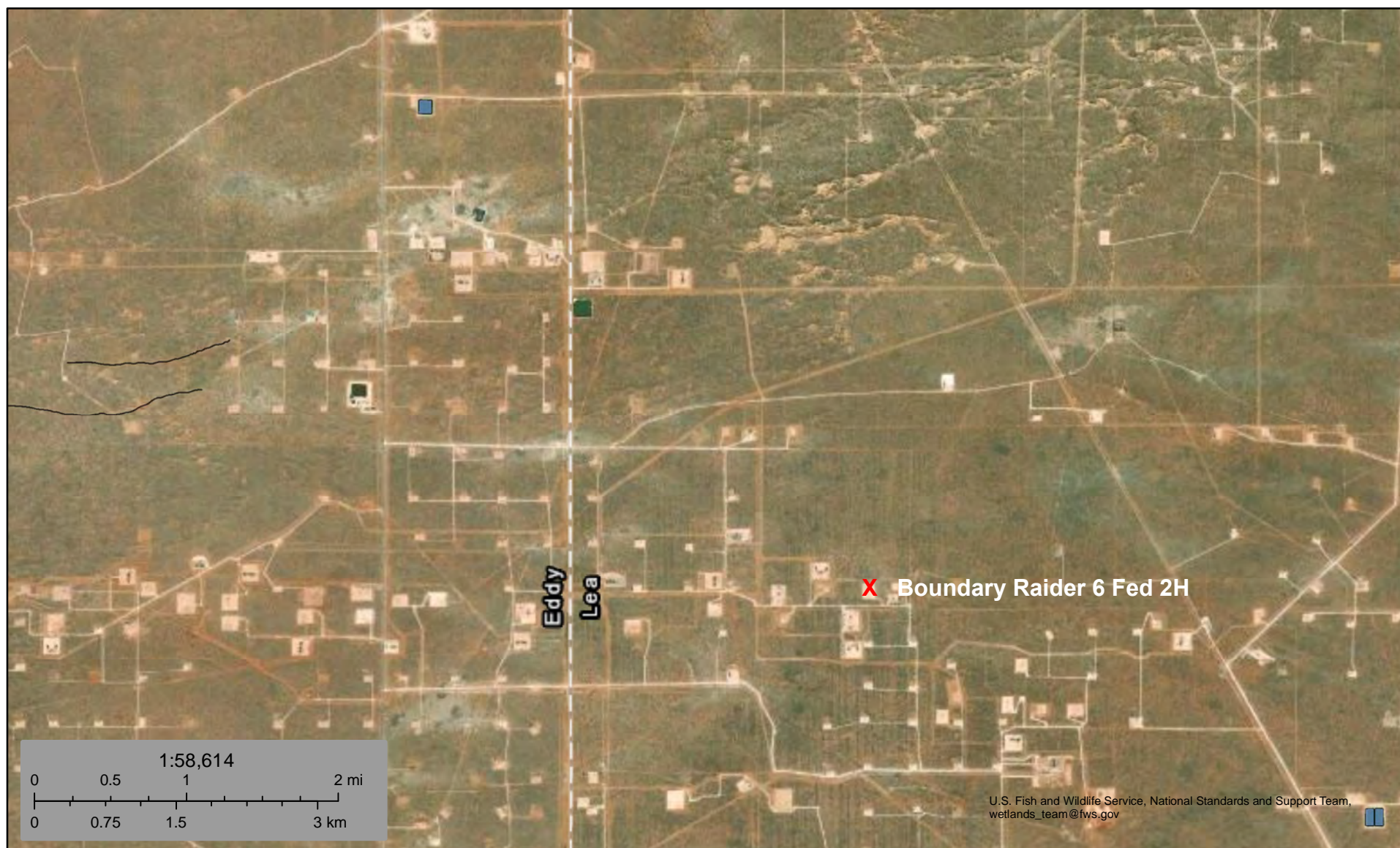
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/16/2025 at 6:14 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Wetlands Map



May 3, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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

APPENDIX C

Photographic Documentation



Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240
575-964-7740 | www.pimaoil.com

Boundary Raider 6 Federal #002H | nAPP2213648985

DEVON ENERGY PRODUCTION, LP.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Boundary Raider 6 Fed 2H

Assessment :



Site Information Sign.



Photograph of site tech assessing the area facing South.



Photograph of site tech assessing the area facing East.



Photograph of site tech assessing the area facing North.



Photograph of site tech assessing the area facing West.



Photograph of site tech assessing the area facing Southwest.



Photograph of site tech assessing the area facing West.

APPENDIX D

Laboratory Reports

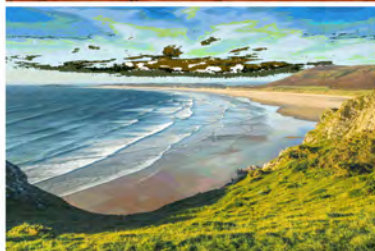


Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240
575-964-7740 | www.pimaoil.com

Boundary Raider 6 Federal #002H | nAPP2213648985

DEVON ENERGY PRODUCTION, LP.

Report to:
Lynsey Coons



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Boundary Raider 6 Fed #2H

Work Order: E501162

Job Number: 01058-0007

Received: 1/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/28/25

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: 1/28/25



Lynsey Coons
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Boundary Raider 6 Fed #2H
Workorder: E501162
Date Received: 1/23/2025 8:00:00AM

Lynsey Coons,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/23/2025 8:00:00AM, under the Project Name: Boundary Raider 6 Fed #2H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 6 Fed #2H 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,

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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 6 Fed #2H Project Number: 01058-0007 Project Manager: Lynsey Coons	Reported: 01/28/25 17:05
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1-1'	E501162-01A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S1-2'	E501162-02A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S1-3'	E501162-03A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S1-4'	E501162-04A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S1-5'	E501162-05A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S2-1'	E501162-06A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S2-2'	E501162-07A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S2-3'	E501162-08A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S2-4'	E501162-09A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S2-5'	E501162-10A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S3-1'	E501162-11A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S3-2'	E501162-12A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S3-3'	E501162-13A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S3-4'	E501162-14A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S3-5'	E501162-15A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S4-1'	E501162-16A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S4-2'	E501162-17A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S4-3'	E501162-18A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S4-4'	E501162-19A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S4-5'	E501162-20A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 6 Fed #2H Project Number: 01058-0007 Project Manager: Lynsey Coons	Reported: 1/28/2025 5:05:13PM
---	--	---

S1-1'

E501162-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Benzene	ND	0.0250	1	01/23/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/26/25	
Toluene	ND	0.0250	1	01/23/25	01/26/25	
o-Xylene	ND	0.0250	1	01/23/25	01/26/25	
p,m-Xylene	0.180	0.0500	1	01/23/25	01/26/25	
Total Xylenes	0.180	0.0250	1	01/23/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>92.5 %</i>	<i>70-130</i>		<i>01/23/25</i>	<i>01/26/25</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>93.7 %</i>	<i>70-130</i>		<i>01/23/25</i>	<i>01/26/25</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2504119	
Diesel Range Organics (C10-C28)	258	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	77.7	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>	<i>95.9 %</i>	<i>50-200</i>		<i>01/24/25</i>	<i>01/25/25</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2505017	
Chloride	127	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:05:13PM

S1-2'

E501162-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504104
Benzene	ND	0.0250	1	01/23/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/26/25	
Toluene	ND	0.0250	1	01/23/25	01/26/25	
o-Xylene	ND	0.0250	1	01/23/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/26/25	
Surrogate: 4-Bromochlorobenzene-PID	85.9 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504104
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/26/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.8 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504119
Diesel Range Organics (C10-C28)	125	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
Surrogate: n-Nonane	102 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505017
Chloride	80.5	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:05:13PM

S1-3'

E501162-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504104
Benzene	ND	0.0250	1	01/23/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/26/25	
Toluene	ND	0.0250	1	01/23/25	01/26/25	
o-Xylene	ND	0.0250	1	01/23/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.4 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504104
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504119
Diesel Range Organics (C10-C28)	27.4	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	97.3 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505017
Chloride	84.8	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:05:13PM

S1-4'

E501162-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Benzene	ND	0.0250	1	01/23/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/26/25	
Toluene	ND	0.0250	1	01/23/25	01/26/25	
o-Xylene	ND	0.0250	1	01/23/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.2 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.2 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504119	
Diesel Range Organics (C10-C28)	57.9	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	96.0 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2505017	
Chloride	86.2	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:05:13PM

S1-5'

E501162-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504104
Benzene	ND	0.0250	1	01/23/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/26/25	
Toluene	ND	0.0250	1	01/23/25	01/26/25	
o-Xylene	ND	0.0250	1	01/23/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/26/25	
Surrogate: 4-Bromochlorobenzene-PID	88.0 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504104
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/26/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.4 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504119
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
Surrogate: n-Nonane	102 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505017
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:05:13PM

S2-1'

E501162-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Benzene	ND	0.0250	1	01/23/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/26/25	
Toluene	ND	0.0250	1	01/23/25	01/26/25	
o-Xylene	ND	0.0250	1	01/23/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.1 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.1 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504119	
Diesel Range Organics (C10-C28)	1260	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	477	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2505017	
Chloride	148	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:05:13PM

S2-2'

E501162-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Benzene	ND	0.0250	1	01/23/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/26/25	
Toluene	ND	0.0250	1	01/23/25	01/26/25	
o-Xylene	ND	0.0250	1	01/23/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.2 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.2 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2504119	
Diesel Range Organics (C10-C28)	1100	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	413	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>	90.4 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2505017	
Chloride	264	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:05:13PM

S2-3'

E501162-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Benzene	ND	0.0250	1	01/23/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/26/25	
Toluene	ND	0.0250	1	01/23/25	01/26/25	
o-Xylene	ND	0.0250	1	01/23/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.1 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.0 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504119	
Diesel Range Organics (C10-C28)	138	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	63.2	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2505017	
Chloride	87.4	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:05:13PM

S2-4'

E501162-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Benzene	ND	0.0250	1	01/23/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/26/25	
Toluene	ND	0.0250	1	01/23/25	01/26/25	
o-Xylene	ND	0.0250	1	01/23/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.4 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.5 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504119	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	97.4 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2505017	
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:05:13PM

S2-5'

E501162-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Benzene	ND	0.0250	1	01/23/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/26/25	
Toluene	ND	0.0250	1	01/23/25	01/26/25	
o-Xylene	ND	0.0250	1	01/23/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.9 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.6 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504119	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2505017	
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:05:13PM

S3-1'

E501162-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Benzene	ND	0.0250	1	01/23/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/26/25	
Toluene	ND	0.0250	1	01/23/25	01/26/25	
o-Xylene	ND	0.0250	1	01/23/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.9 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504119	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2505017	
Chloride	566	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:05:13PM

S3-2'

E501162-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Benzene	ND	0.0250	1	01/23/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/26/25	
Toluene	ND	0.0250	1	01/23/25	01/26/25	
o-Xylene	ND	0.0250	1	01/23/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.7 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.4 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504119	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	99.1 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2505017	
Chloride	56.3	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:05:13PM

S3-3'

E501162-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Benzene	ND	0.0250	1	01/23/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/26/25	
Toluene	ND	0.0250	1	01/23/25	01/26/25	
o-Xylene	ND	0.0250	1	01/23/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.5 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504119	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2505017	
Chloride	40.0	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:05:13PM

S3-4'

E501162-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Benzene	ND	0.0250	1	01/23/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/26/25	
Toluene	ND	0.0250	1	01/23/25	01/26/25	
o-Xylene	ND	0.0250	1	01/23/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.4 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.1 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504119	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	91.1 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2505017	
Chloride	35.1	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:05:13PM

S3-5'

E501162-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504104
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.9 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504104
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.5 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504119
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505017
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:05:13PM

S4-1'

E501162-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504104
Benzene	ND	0.0250	1	01/23/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/26/25	
Toluene	ND	0.0250	1	01/23/25	01/26/25	
o-Xylene	ND	0.0250	1	01/23/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.8 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504104
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.4 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504119
Diesel Range Organics (C10-C28)	25.5	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505017
Chloride	210	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:05:13PM

S4-2'

E501162-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Benzene	ND	0.0250	1	01/23/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/26/25	
Toluene	ND	0.0250	1	01/23/25	01/26/25	
o-Xylene	ND	0.0250	1	01/23/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.4 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.4 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504119	
Diesel Range Organics (C10-C28)	47.5	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2505017	
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:05:13PM

S4-3'

E501162-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Benzene	ND	0.0250	1	01/23/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/26/25	
Toluene	ND	0.0250	1	01/23/25	01/26/25	
o-Xylene	ND	0.0250	1	01/23/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.9 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504119	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2505017	
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:05:13PM

S4-4'

E501162-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Benzene	ND	0.0250	1	01/23/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/26/25	
Toluene	ND	0.0250	1	01/23/25	01/26/25	
o-Xylene	ND	0.0250	1	01/23/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.6 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.9 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504119	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	98.1 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2505017	
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:05:13PM

S4-5'

E501162-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Benzene	ND	0.0250	1	01/23/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/26/25	
Toluene	ND	0.0250	1	01/23/25	01/26/25	
o-Xylene	ND	0.0250	1	01/23/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.6 %	70-130		01/23/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504119	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2505017	
Chloride	ND	20.0	1	01/27/25	01/27/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 6 Fed #2H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Lynsey Coons	1/28/2025 5:05:13PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2504104-BLK1)

Prepared: 01/23/25 Analyzed: 01/26/25

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	6.46		8.00		80.7	70-130			

LCS (2504104-BS1)

Prepared: 01/23/25 Analyzed: 01/26/25

Benzene	5.50	0.0250	5.00		110	70-130			
Ethylbenzene	5.28	0.0250	5.00		106	70-130			
Toluene	5.41	0.0250	5.00		108	70-130			
o-Xylene	5.22	0.0250	5.00		104	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	6.36		8.00		79.5	70-130			

LCS Dup (2504104-BSD1)

Prepared: 01/23/25 Analyzed: 01/26/25

Benzene	5.26	0.0250	5.00		105	70-130	4.33	20	
Ethylbenzene	5.12	0.0250	5.00		102	70-130	3.08	20	
Toluene	5.21	0.0250	5.00		104	70-130	3.77	20	
o-Xylene	5.08	0.0250	5.00		102	70-130	2.85	20	
p,m-Xylene	10.4	0.0500	10.0		104	70-130	2.86	20	
Total Xylenes	15.5	0.0250	15.0		103	70-130	2.85	20	
Surrogate: 4-Bromochlorobenzene-PID	6.78		8.00		84.8	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 6 Fed #2H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Lynsey Coons	1/28/2025 5:05:13PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2504104-BLK1) Prepared: 01/23/25 Analyzed: 01/26/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130			

LCS (2504104-BS2) Prepared: 01/23/25 Analyzed: 01/26/25

Gasoline Range Organics (C6-C10)	42.4	20.0	50.0		84.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			

LCS Dup (2504104-BSD2) Prepared: 01/23/25 Analyzed: 01/26/25

Gasoline Range Organics (C6-C10)	44.6	20.0	50.0		89.2	70-130	5.10	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 6 Fed #2H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Lynsey Coons	1/28/2025 5:05:13PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2504119-BLK1)

Prepared: 01/24/25 Analyzed: 01/25/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.2		50.0		106	50-200			

LCS (2504119-BS1)

Prepared: 01/24/25 Analyzed: 01/25/25

Diesel Range Organics (C10-C28)	262	25.0	250		105	38-132			
Surrogate: n-Nonane	51.0		50.0		102	50-200			

Matrix Spike (2504119-MS1)

Source: E501162-14

Prepared: 01/24/25 Analyzed: 01/25/25

Diesel Range Organics (C10-C28)	266	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	49.9		50.0		99.7	50-200			

Matrix Spike Dup (2504119-MSD1)

Source: E501162-14

Prepared: 01/24/25 Analyzed: 01/25/25

Diesel Range Organics (C10-C28)	190	25.0	250	ND	76.1	38-132	33.4	20	R3
Surrogate: n-Nonane	43.9		50.0		87.8	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 6 Fed #2H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Lynsey Coons	1/28/2025 5:05:13PM

Anions by EPA 300.0/9056A

Analyst: AK

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

Blank (2505017-BLK1)					Prepared: 01/27/25 Analyzed: 01/27/25				
Chloride	ND	20.0							
LCS (2505017-BS1)					Prepared: 01/27/25 Analyzed: 01/27/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2505017-MS1)					Source: E501162-02		Prepared: 01/27/25 Analyzed: 01/27/25		
Chloride	350	20.0	250	80.5	108	80-120			
Matrix Spike Dup (2505017-MSD1)					Source: E501162-02		Prepared: 01/27/25 Analyzed: 01/27/25		
Chloride	342	20.0	250	80.5	104	80-120	2.36	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 6 Fed #2H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Lynsey Coons	01/28/25 17:05

- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- 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 6

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: <u>Devon</u>				Company: <u>Devon</u>		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project Name: <u>Boundary Raider 6 Fed #2#</u>				Address:		<u>E501162</u>	<u>01058-007</u>					<input checked="" type="checkbox"/>						
Project Manager: <u>Lynsey Coors</u>				City, State, Zip:														
Address: <u>5614 North Lovington Hwy.</u>				Phone:														
City, State, Zip: <u>Hobbs - New Mexico 88240</u>				Email:														
Phone: <u>(575) 318-7532</u>				Miscellaneous: <u>1-118-1</u>														
Email: <u>Lynsey@pima.oil.com</u>																		
Sample Information																		
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	TCED 1005 - TX	RCFA 8 Metals	Cation/Anion Pkg	Remarks	
8:07	1/20/25	S		S1-1'			1						X					
8:11				S1-2'			2											
8:13				S1-3'			3											
8:16				S1-4'			4											
8:20				S1-5'			5											
8:23				S2-1'			6											
8:28				S2-2'			7											
8:31				S2-3'			8											
8:33				S2-4'			9											
8:38				S2-5'			10											
Additional Instructions: <u>WO# 21030947</u>																		
1. (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:																		
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 only request from: Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>										
Andrew Franco		1/20/25	4:00	Laraine Hame		1/22/25	10:27											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Laraine Hame		1/22/25	1:30	Michelle Gonzales		1-22-25	1330											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Michelle Gonzales		1-22-25	1520	Richard Cox		1-22-25	1520											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Richard Cox		1-22-25	2130	Cathy Hame		1-23-25	800											
Sample Matrix: S - Soil, SO - 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.																		



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Chain of Custody

Page 2 of 6

Client Information				Invoice Information		Lab Use Only		TAT				State																									
Client: <u>Devon</u>				Company: <u>Devon</u>		Lab WO# <u>E501162</u> Job Number <u>01058-0057</u>		1D 2D 3D Std <u>X</u>				<table border="1"> <tr> <td>NM</td> <td>CO</td> <td>UT</td> <td>TX</td> </tr> <tr> <td><u>X</u></td> <td></td> <td></td> <td></td> </tr> </table>				NM	CO	UT	TX	<u>X</u>																	
NM	CO	UT	TX																																		
<u>X</u>																																					
Project Name: <u>Boundary Packer 6 Fed. #2H</u>				Address:		<table border="1"> <tr> <th colspan="8">Analysis and Method</th> <th colspan="3">EPA Program</th> </tr> <tr> <td rowspan="3">DRO/DRO by 8015</td> <td rowspan="3">GFO/DRO by 8015</td> <td rowspan="3">BTEX by 8021</td> <td rowspan="3">VOC by 8260</td> <td rowspan="3">Chloride 300.0</td> <td rowspan="3">BGDOC - NM</td> <td rowspan="3">TCEQ 1005 - TX</td> <td rowspan="3">RCRA 9 Metals</td> <td rowspan="3">Cation/Anion Pkg</td> <td>SDWA</td> <td>CWA</td> <td>RCRA</td> </tr> <tr> <td>Compliance</td> <td>Y</td> <td>or</td> <td>N</td> </tr> <tr> <td>PWSID #</td> <td colspan="2"></td> </tr> </table>		Analysis and Method								EPA Program			DRO/DRO by 8015	GFO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 9 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA	Compliance	Y	or	N	PWSID #		
Analysis and Method								EPA Program																													
DRO/DRO by 8015	GFO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM			TCEQ 1005 - TX	RCRA 9 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA																								
											Compliance	Y	or	N																							
						PWSID #																															
Project Manager: <u>Lynsey Codas</u>				City, State, Zip:		Remarks																															
Address: <u>5614 North Livingston Hwy</u>				Phone:																																	
City, State, Zip: <u>Hobbs, New Mexico 88240</u>				Email:																																	
Phone: <u>(575) 318-7532</u>				Miscellaneous: <u>1-118-1</u>																																	
Email: <u>Lynsey@pimaoil.com</u>																																					
Sample Information																																					
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8:41	1/20/25	S		S3-1'		11						X																									
8:46				S3-2'		12																															
8:50				S3-3'		13																															
8:56				S3-4'		14																															
9:07				S3-5'		15																															
9:11				S4-1'		16																															
9:15				S4-2'		17																															
9:17				S4-3'		18																															
9:20				S4-4'		19																															
9:25				S4-5'		20																															
Additional Instructions: <u>WO# 21030947</u>																																					
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:																																					
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 date.																													
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Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u> Container type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																																					
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.																																					



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Envirotech Analytical Laboratory

Printed: 1/23/2025 9:14:08AM

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:	01/23/25 08:00	Work Order ID:	E501162
Phone:	(575) 748-0176	Date Logged In:	01/22/25 15:14	Logged In By:	Caitlin Mars
Email:	lynsey@pimaoil.com	Due Date:	01/29/25 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? No
 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/Resolution

Project Boundary Raider 6 Fed #2H Has been separated into 3 reports due to sample volume. WOs are E501162 to E501164. Sampled by and no of containers not provided on COC.

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? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Lynsey Coons



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Boundary Raider 6 Fed #2H

Work Order: E501163

Job Number: 01058-0007

Received: 1/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/29/25

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.
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 1/29/25



Lynsey Coons
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Boundary Raider 6 Fed #2H
Workorder: E501163
Date Received: 1/23/2025 8:00:00AM

Lynsey Coons,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/23/2025 8:00:00AM, under the Project Name: Boundary Raider 6 Fed #2H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 6 Fed #2H 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,

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Boundary Raider 6 Fed #2H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Lynsey Coons	01/29/25 12:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S5-1'	E501163-01A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S5-2'	E501163-02A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S5-3'	E501163-03A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S5-4'	E501163-04A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S5-5'	E501163-05A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S6-1'	E501163-06A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S6-2'	E501163-07A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S6-3'	E501163-08A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S6-4'	E501163-09A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S6-5'	E501163-10A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S7-1'	E501163-11A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S7-2'	E501163-12A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S7-3'	E501163-13A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S7-4'	E501163-14A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S7-5'	E501163-15A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S8-1'	E501163-16A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S8-2'	E501163-17A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S8-3'	E501163-18A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S8-4'	E501163-19A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S8-5'	E501163-20A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 6 Fed #2H Project Number: 01058-0007 Project Manager: Lynsey Coons	Reported: 1/29/2025 12:13:05PM
---	--	--

S5-1'

E501163-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	82.3 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.5 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2504120	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/24/25	
<i>Surrogate: n-Nonane</i>	108 %	50-200		01/24/25	01/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2505018	
Chloride	37.3	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/29/2025 12:13:05PM

S5-2'

E501163-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.4 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.6 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504120	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/24/25	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		01/24/25	01/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505018	
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/29/2025 12:13:05PM

S5-3'

E501163-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.2 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504120	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/24/25	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		01/24/25	01/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505018	
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/29/2025 12:13:05PM

S5-4'

E501163-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.3 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.9 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504120	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/24/25	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		01/24/25	01/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505018	
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/29/2025 12:13:05PM

S5-5'

E501163-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.0 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.5 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504120	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/24/25	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		01/24/25	01/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505018	
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/29/2025 12:13:05PM

S6-1'

E501163-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.6 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.2 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504120	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/24/25	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		01/24/25	01/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505018	
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/29/2025 12:13:05PM

S6-2'

E501163-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.7 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.1 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504120	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/24/25	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		01/24/25	01/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505018	
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/29/2025 12:13:05PM

S6-3'

E501163-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.2 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.8 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504120	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/24/25	
<i>Surrogate: n-Nonane</i>						
	91.0 %	50-200		01/24/25	01/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505018	
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/29/2025 12:13:05PM

S6-4'

E501163-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.5 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504120	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/24/25	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		01/24/25	01/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505018	
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/29/2025 12:13:05PM

S6-5'

E501163-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.1 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.7 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504120	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505018	
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/29/2025 12:13:05PM

S7-1'

E501163-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.4 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.9 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504120	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505018	
Chloride	44.3	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/29/2025 12:13:05PM

S7-2'

E501163-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.2 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504120	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505018	
Chloride	56.0	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/29/2025 12:13:05PM

S7-3'

E501163-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.9 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504120	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505018	
Chloride	73.6	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/29/2025 12:13:05PM

S7-4'

E501163-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.6 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.8 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504120	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505018	
Chloride	75.5	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/29/2025 12:13:05PM

S7-5'

E501163-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.5 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.2 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504120	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505018	
Chloride	ND	20.0	1	01/27/25	01/28/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/29/2025 12:13:05PM

S8-1'

E501163-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	87.9 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.9 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2504120	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>	62.4 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2505018	
Chloride	ND	20.0	1	01/27/25	01/28/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/29/2025 12:13:05PM

S8-2'

E501163-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.7 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504120	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505018	
Chloride	ND	20.0	1	01/27/25	01/28/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/29/2025 12:13:05PM

S8-3'

E501163-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.8 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.5 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504120	
Diesel Range Organics (C10-C28)	39.4	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	60.2	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	94.9 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505018	
Chloride	52.5	20.0	1	01/27/25	01/28/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/29/2025 12:13:05PM

S8-4'

E501163-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.1 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.8 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504120	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505018	
Chloride	ND	20.0	1	01/27/25	01/28/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/29/2025 12:13:05PM

S8-5'

E501163-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.8 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.1 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504120	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505018	
Chloride	ND	20.0	1	01/27/25	01/28/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 6 Fed #2H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Lynsey Coons	1/29/2025 12:13:05PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2504114-BLK1)

Prepared: 01/24/25 Analyzed: 01/26/25

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	6.74		8.00		84.3	70-130			

LCS (2504114-BS1)

Prepared: 01/24/25 Analyzed: 01/26/25

Benzene	4.81	0.0250	5.00		96.1	70-130			
Ethylbenzene	4.62	0.0250	5.00		92.4	70-130			
Toluene	4.73	0.0250	5.00		94.7	70-130			
o-Xylene	4.59	0.0250	5.00		91.7	70-130			
p,m-Xylene	9.39	0.0500	10.0		93.9	70-130			
Total Xylenes	14.0	0.0250	15.0		93.1	70-130			

LCS Dup (2504114-BSD1)

Prepared: 01/24/25 Analyzed: 01/26/25

Benzene	4.81	0.0250	5.00		96.1	70-130	0.0146	20	
Ethylbenzene	4.64	0.0250	5.00		92.8	70-130	0.529	20	
Toluene	4.74	0.0250	5.00		94.9	70-130	0.224	20	
o-Xylene	4.60	0.0250	5.00		92.1	70-130	0.396	20	
p,m-Xylene	9.45	0.0500	10.0		94.5	70-130	0.632	20	
Total Xylenes	14.0	0.0250	15.0		93.7	70-130	0.555	20	
Surrogate: 4-Bromochlorobenzene-PID	6.62		8.00		82.8	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 6 Fed #2H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Lynsey Coons	1/29/2025 12:13:05PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2504114-BLK1) Prepared: 01/24/25 Analyzed: 01/26/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			

LCS (2504114-BS2) Prepared: 01/24/25 Analyzed: 01/26/25

Gasoline Range Organics (C6-C10)	43.2	20.0	50.0		86.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.90		8.00		98.7	70-130			

LCS Dup (2504114-BSD2) Prepared: 01/24/25 Analyzed: 01/26/25

Gasoline Range Organics (C6-C10)	41.6	20.0	50.0		83.3	70-130	3.73	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.87		8.00		98.4	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 6 Fed #2H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Lynsey Coons	1/29/2025 12:13:05PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2504120-BLK1)					Prepared: 01/24/25 Analyzed: 01/24/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.2		50.0		118	50-200			

LCS (2504120-BS1)					Prepared: 01/24/25 Analyzed: 01/24/25				
Diesel Range Organics (C10-C28)	304	25.0	250		122	38-132			
Surrogate: n-Nonane	58.3		50.0		117	50-200			

Matrix Spike (2504120-MS1)					Source: E501163-13		Prepared: 01/24/25 Analyzed: 01/24/25		
Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132			
Surrogate: n-Nonane	55.2		50.0		110	50-200			

Matrix Spike Dup (2504120-MSD1)					Source: E501163-13		Prepared: 01/24/25 Analyzed: 01/24/25		
Diesel Range Organics (C10-C28)	286	25.0	250	ND	114	38-132	3.16	20	
Surrogate: n-Nonane	54.2		50.0		108	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 6 Fed #2H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Lynsey Coons	1/29/2025 12:13:05PM

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 (2505018-BLK1)					Prepared: 01/27/25 Analyzed: 01/27/25				
Chloride	ND	20.0							
LCS (2505018-BS1)					Prepared: 01/27/25 Analyzed: 01/27/25				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2505018-MS1)					Source: E501163-03		Prepared: 01/27/25 Analyzed: 01/27/25		
Chloride	257	20.0	250	ND	103	80-120			
Matrix Spike Dup (2505018-MSD1)					Source: E501163-03		Prepared: 01/27/25 Analyzed: 01/27/25		
Chloride	257	20.0	250	ND	103	80-120	0.0591	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 6 Fed #2H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Lynsey Coons	01/29/25 12:13

- 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 3 of 6

Client Information					Invoice Information		Lab Use Only		TAT				State					
Client: <u>Devon</u>					Company: <u>Devon</u>		Lab WO# <u>E5011630108-001</u>		Job Number				<input checked="" type="checkbox"/> NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> TX					
Project Name: <u>Boundary Pader 6 Fed. #2H</u>					Address:		1D		2D		3D		Std					
Project Manager: <u>Lynsey Coons</u>					City, State, Zip:		Analysis and Method		EPA Program									
Address: <u>5614 North Lovington Hwy</u>					Phone:		SDWA		CWA		RCRA							
City, State, Zip: <u>Holobbs, New Mexico 88240</u>					Email:		Compliance		Y		or		N					
Phone: <u>(575) 318-7532</u>					Miscellaneous: <u>1-118-1</u>		PWSID #											
Email: <u>Lynsey@pimaoil.com</u>																		
Sample Information																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 9 Metals	Cation/Anion Pkg	Remarks		
9:31	1/20/25	S		S5-1'		1						X						
9:37				S5-2'		2												
9:39				S5-3'		3												
9:40				S5-4'		4												
9:42				S5-5'		5												
9:45				S6-1'		6												
9:49				S6-2'		7												
9:53				S6-3'		8												
9:56				S6-4'		9												
10:11				S6-5'		10												
Additional Instructions: <u>WO# 21030947</u>																		
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:																		
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 background data. Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u> Container type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
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											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Sample Matrix: S - Soil, SL - Solid, Sg - Sludge, A - Aqueous, O - Other																		
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.																		



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Chain of Custody

Page: 4 of 6

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: <u>DEVON</u>				Company: <u>DEVON</u>		Lab WO# <u>E501163</u> Job Number <u>0058-007</u>		1D 2D 3D Std <u>X</u>				<input checked="" type="checkbox"/> NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> TX						
Project Name: <u>Boundary Rafter 6 Fed. #24</u>				Address:														
Project Manager: <u>Lynsey Coons</u>				City, State, Zip:														
Address: <u>5614 North Lovington Hwy</u>				Phone:														
City, State, Zip: <u>Holbrook, New Mexico 88240</u>				Email:														
Phone: <u>(575) 318-7532</u>				Miscellaneous: <u>1-118-1</u>														
Email: <u>Lynsey@pimaoil.com</u>																		
Sample Information										Analysis and Method				EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/OKO by 8015	GRO/DRQ by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCED 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA
10:17	1/20/25	S		S7-1'		11						X						
10:20				S7-2'		12												
10:24				S7-3'		13												
10:27				S7-4'		14												
10:29				S7-5'		15												
10:31				S8-1'		16												
10:35				S8-2'		17												
10:37				S8-3'		18												
10:39				S8-4'		19												
10:45				S8-5'		20												
Additional Instructions:																		
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: _____																		
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="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>										
Andrew Franco		1/20/25	4:00	Karime Abarne		1/22/25	10:27											
Karime Abarne		1/22/25	1:30	Michelle Gonzales		1-22-25	1330											
Michelle Gonzales		1-22-25	1520	Richard Gonzalez		1-22-25	1520											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Richard Gonzalez		1-22-25	2130	Caitlynn		1-22-25	800											
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.																		



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Envirotech Analytical Laboratory

Printed: 1/23/2025 10:15:43AM

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:	01/23/25 08:00	Work Order ID:	E501163
Phone:	(575) 748-0176	Date Logged In:	01/22/25 15:22	Logged In By:	Caitlin Mars
Email:	lynsey@pimaoil.com	Due Date:	01/29/25 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? No
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: CourierSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

Project Boundary Raider 6 Fed #2H Has been separated into 3 reports due to sample volume. WOs are E501162 to E501164. Sampled by and no of containers not provided on COC. White out present on COC.

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

Date



envirotech Inc.

Report to:
Lynsey Coons



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Boundary Raider 6 Fed #2H

Work Order: E501164

Job Number: 01058-0007

Received: 1/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/28/25

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: 1/28/25



Lynsey Coons
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Boundary Raider 6 Fed #2H
Workorder: E501164
Date Received: 1/23/2025 8:00:00AM

Lynsey Coons,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/23/2025 8:00:00AM, under the Project Name: Boundary Raider 6 Fed #2H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 6 Fed #2H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Boundary Raider 6 Fed #2H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Lynsey Coons	01/28/25 17:07

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S9-1'	E501164-01A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S9-2'	E501164-02A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S9-3'	E501164-03A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S9-4'	E501164-04A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
S9-5'	E501164-05A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
SW1	E501164-06A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
SW2	E501164-07A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
SW3	E501164-08A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
SW4	E501164-09A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
SW5	E501164-10A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
SW6	E501164-11A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
SW7	E501164-12A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
SW8	E501164-13A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.
BG1	E501164-14A	Soil	01/20/25	01/23/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 6 Fed #2H Project Number: 01058-0007 Project Manager: Lynsey Coons	Reported: 1/28/2025 5:07:33PM
---	--	---

S9-1'

E501164-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2504118	
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	01/24/25	01/26/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	01/24/25	01/26/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2504118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	01/24/25	01/26/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	01/24/25	01/26/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504122	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
<i>Surrogate: n-Nonane</i>		110 %	50-200	01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505010	
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:07:33PM

S9-2'

E501164-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2504118
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene		103 %	70-130	01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	01/24/25	01/26/25	
Surrogate: Toluene-d8		103 %	70-130	01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2504118
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene		103 %	70-130	01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	01/24/25	01/26/25	
Surrogate: Toluene-d8		103 %	70-130	01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504122
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
Surrogate: n-Nonane		106 %	50-200	01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505010
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:07:33PM

S9-3'

E501164-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2504118
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene	98.8 %	70-130		01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		01/24/25	01/26/25	
Surrogate: Toluene-d8	105 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2504118
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene	98.8 %	70-130		01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		01/24/25	01/26/25	
Surrogate: Toluene-d8	105 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504122
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
Surrogate: n-Nonane	106 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505010
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:07:33PM

S9-4'

E501164-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2504118	
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene		102 %	70-130	01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	01/24/25	01/26/25	
Surrogate: Toluene-d8		103 %	70-130	01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2504118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene		102 %	70-130	01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	01/24/25	01/26/25	
Surrogate: Toluene-d8		103 %	70-130	01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504122	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
Surrogate: n-Nonane		101 %	50-200	01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505010	
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:07:33PM

S9-5'

E501164-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2504118
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene	97.7 %	70-130		01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4	108 %	70-130		01/24/25	01/26/25	
Surrogate: Toluene-d8	105 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2504118
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene	97.7 %	70-130		01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4	108 %	70-130		01/24/25	01/26/25	
Surrogate: Toluene-d8	105 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504122
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
Surrogate: n-Nonane	106 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505010
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:07:33PM

SW1

E501164-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2504118
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene	98.6 %	70-130		01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4	108 %	70-130		01/24/25	01/26/25	
Surrogate: Toluene-d8	103 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2504118
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene	98.6 %	70-130		01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4	108 %	70-130		01/24/25	01/26/25	
Surrogate: Toluene-d8	103 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504122
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
Surrogate: n-Nonane	108 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505010
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:07:33PM

SW2

E501164-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2504118
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene		102 %	70-130	01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	01/24/25	01/26/25	
Surrogate: Toluene-d8		104 %	70-130	01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2504118
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene		102 %	70-130	01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	01/24/25	01/26/25	
Surrogate: Toluene-d8		104 %	70-130	01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504122
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
Surrogate: n-Nonane		111 %	50-200	01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505010
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:07:33PM

SW3

E501164-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2504118	
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene	97.8 %	70-130		01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		01/24/25	01/26/25	
Surrogate: Toluene-d8	104 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2504118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene	97.8 %	70-130		01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		01/24/25	01/26/25	
Surrogate: Toluene-d8	104 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504122	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
Surrogate: n-Nonane	105 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505010	
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:07:33PM

SW4

E501164-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2504118
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene	95.8 %	70-130		01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		01/24/25	01/26/25	
Surrogate: Toluene-d8	105 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2504118
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene	95.8 %	70-130		01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		01/24/25	01/26/25	
Surrogate: Toluene-d8	105 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504122
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
Surrogate: n-Nonane	111 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505010
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:07:33PM

SW5

E501164-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2504118	
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene	99.3 %	70-130		01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/24/25	01/26/25	
Surrogate: Toluene-d8	105 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2504118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene	99.3 %	70-130		01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/24/25	01/26/25	
Surrogate: Toluene-d8	105 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504122	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
Surrogate: n-Nonane	106 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2505010	
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:07:33PM

SW6

E501164-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2504118
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene	98.1 %	70-130		01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		01/24/25	01/26/25	
Surrogate: Toluene-d8	105 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2504118
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene	98.1 %	70-130		01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		01/24/25	01/26/25	
Surrogate: Toluene-d8	105 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504122
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
Surrogate: n-Nonane	102 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505010
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:07:33PM

SW7

E501164-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2504118
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene	98.6 %	70-130		01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		01/24/25	01/26/25	
Surrogate: Toluene-d8	105 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2504118
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene	98.6 %	70-130		01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		01/24/25	01/26/25	
Surrogate: Toluene-d8	105 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504122
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
Surrogate: n-Nonane	105 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505010
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:07:33PM

SW8

E501164-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2504118
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene	98.9 %	70-130		01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		01/24/25	01/26/25	
Surrogate: Toluene-d8	104 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2504118
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene	98.9 %	70-130		01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		01/24/25	01/26/25	
Surrogate: Toluene-d8	104 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504122
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
Surrogate: n-Nonane	106 %	50-200		01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505010
Chloride	ND	20.0	1	01/27/25	01/27/25	



Sample Data

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

Project Name: Boundary Raider 6 Fed #2H
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
1/28/2025 5:07:33PM

BG1

E501164-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2504118
Benzene	ND	0.0250	1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/25	01/26/25	
Toluene	ND	0.0250	1	01/24/25	01/26/25	
o-Xylene	ND	0.0250	1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene		101 %	70-130	01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	01/24/25	01/26/25	
Surrogate: Toluene-d8		107 %	70-130	01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2504118
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene		101 %	70-130	01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	01/24/25	01/26/25	
Surrogate: Toluene-d8		107 %	70-130	01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504122
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/25	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
Surrogate: n-Nonane		104 %	50-200	01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505010
Chloride	ND	20.0	1	01/27/25	01/27/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 6 Fed #2H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Lynsey Coons	1/28/2025 5:07:33PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2504118-BLK1) Prepared: 01/24/25 Analyzed: 01/26/25

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	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.525		0.500		105	70-130			
Surrogate: Toluene-d8	0.460		0.500		91.9	70-130			

LCS (2504118-BS1) Prepared: 01/24/25 Analyzed: 01/26/25

Benzene	2.34	0.0250	2.50		93.6	70-130			
Ethylbenzene	2.51	0.0250	2.50		101	70-130			
Toluene	2.24	0.0250	2.50		89.7	70-130			
o-Xylene	2.45	0.0250	2.50		97.9	70-130			
p,m-Xylene	4.64	0.0500	5.00		92.7	70-130			
Total Xylenes	7.09	0.0250	7.50		94.5	70-130			
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.538		0.500		108	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			

LCS Dup (2504118-BSD1) Prepared: 01/24/25 Analyzed: 01/26/25

Benzene	2.33	0.0250	2.50		93.1	70-130	0.514	23	
Ethylbenzene	2.60	0.0250	2.50		104	70-130	3.17	27	
Toluene	2.74	0.0250	2.50		110	70-130	20.1	24	
o-Xylene	2.32	0.0250	2.50		92.8	70-130	5.39	27	
p,m-Xylene	4.36	0.0500	5.00		87.2	70-130	6.20	27	
Total Xylenes	6.68	0.0250	7.50		89.0	70-130	5.92	27	
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.531		0.500		106	70-130			
Surrogate: Toluene-d8	0.607		0.500		121	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 6 Fed #2H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Lynsey Coons	1/28/2025 5:07:33PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2504118-BLK1)

Prepared: 01/24/25 Analyzed: 01/26/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.525		0.500		105	70-130			
Surrogate: Toluene-d8	0.460		0.500		91.9	70-130			

LCS (2504118-BS2)

Prepared: 01/24/25 Analyzed: 01/26/25

Gasoline Range Organics (C6-C10)	57.6	20.0	50.0		115	70-130			
Surrogate: Bromofluorobenzene	0.566		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

LCS Dup (2504118-BSD2)

Prepared: 01/24/25 Analyzed: 01/26/25

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0		104	70-130	10.4	20	
Surrogate: Bromofluorobenzene	0.457		0.500		91.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 6 Fed #2H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Lynsey Coons	1/28/2025 5:07:33PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2504122-BLK1)					Prepared: 01/24/25 Analyzed: 01/25/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.9		50.0		112	50-200			

LCS (2504122-BS1)					Prepared: 01/24/25 Analyzed: 01/25/25				
Diesel Range Organics (C10-C28)	271	25.0	250		108	38-132			
Surrogate: n-Nonane	52.2		50.0		104	50-200			

Matrix Spike (2504122-MS1)					Source: E501164-05		Prepared: 01/24/25 Analyzed: 01/25/25		
Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132			
Surrogate: n-Nonane	54.1		50.0		108	50-200			

Matrix Spike Dup (2504122-MSD1)					Source: E501164-05		Prepared: 01/24/25 Analyzed: 01/25/25		
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	38-132	0.292	20	
Surrogate: n-Nonane	53.1		50.0		106	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 6 Fed #2H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Lynsey Coons	1/28/2025 5:07:33PM

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 (2505010-BLK1)					Prepared: 01/27/25 Analyzed: 01/27/25				
Chloride	ND	20.0							
LCS (2505010-BS1)					Prepared: 01/27/25 Analyzed: 01/27/25				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2505010-MS1)					Source: E501164-04		Prepared: 01/27/25 Analyzed: 01/27/25		
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2505010-MSD1)					Source: E501164-04		Prepared: 01/27/25 Analyzed: 01/27/25		
Chloride	254	20.0	250	ND	102	80-120	0.0307	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 6 Fed #2H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Lynsey Coons	01/28/25 17:07

- 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 5 of 6

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: <u>Devon</u>				Company: <u>Devon</u>		Lab WO# <u>E5011604</u>		Job Number <u>01058-007</u>		1D	2D	3D	Std	NM	CO	UT	TX	
Project Name: <u>Boundary Raider 6 Fed. #24</u>				Address:										<input checked="" type="checkbox"/>				
Project Manager:				City, State, Zip:														
Address:				Phone:														
City, State, Zip:				Email:														
Phone:				Miscellaneous: <u>1-118-1</u>														
Email:																		
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	TCED 1005 - TX	RCRA 8 Metals	Carbon/Anion Pig	SDWA	CWA	RCRA
10:50	1/20/25	S		S9-1'		1						X						
10:53				S9-2'		2												
10:59				S9-3'		3												
11:07				S9-4'		4												
11:11				S9-5'		5												
11:16				SW1		6												
11:20				SW2		7												
11:25				SW3		8												
11:29				SW4		9												
11:30				SW5		10												
Additional Instructions:																		
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:																		
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: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>										
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											
Andrew Franco		1/20/25	9:00	Karina Ham		1/22/25	10:27											
Karina Ham		1/22/25	1:30	Michelle Gonzalez		1-22-25	1330											
Michelle Gonzalez		1-22-25	1520	Richard Gonzalez		1-22-25	1520											
Richard Gonzalez		1-22-25	2130	Caitlynn Ham		1-23-25	800											
Sample Matrix: S - Soil, SD - Solid, Sg - Sludge, A - Aqueous, O - Other																		
Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA																		
Note: Samples are discarded 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

Chain of Custody

[illegible]

Envirotech Analytical Laboratory

Printed: 1/23/2025 10:17:04AM

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:	01/23/25 08:00	Work Order ID:	E501164
Phone:	(575) 748-0176	Date Logged In:	01/22/25 15:30	Logged In By:	Caitlin Mars
Email:	lynsey@pimaoil.com	Due Date:	01/29/25 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? No
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/Resolution

Project Boundary Raider 6 Fed #2H Has been separated into 3 reports due to sample volume. WOs are E501162 to E501164. Sampled by and no of containers not provided on COC. White out present on COC.

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? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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 430055

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 430055
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2213648985
Incident Name	NAPP2213648985 BOUNDARY RAIDER 6 FEDERAL #002H @ 30-025-41884
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Well	[30-025-41884] BOUNDARY RAIDER 6 FEDERAL #002H

Location of Release Source

Please answer all the questions in this group.

Site Name	BOUNDARY RAIDER 6 FEDERAL #002H
Date Release Discovered	05/15/2022
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	Yes
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: Fire Other (Specify) Produced Water Released: 6 BBL Recovered: 0 BBL Lost: 6 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)	The Heater-Treater on location caught on fire. The fire department extinguished the fire. The sight glass broke and there was a 5.7 bbl spill on location, not in a lined containment. The spill did not go offsite.

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 430055

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 430055
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
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: 02/10/2025
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Sante Fe Main Office
Phone: (505) 476-3441

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

QUESTIONS, Page 3

Action 430055

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 430055
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	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	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	566
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1737
GRO+DRO (EPA SW-846 Method 8015M)	1260
BTEX (EPA SW-846 Method 8021B or 8260B)	0.2
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	03/02/2025
On what date will (or did) the final sampling or liner inspection occur	03/10/2025
On what date will (or was) the remediation complete(d)	03/02/2025
What is the estimated surface area (in square feet) that will be reclaimed	400
What is the estimated volume (in cubic yards) that will be reclaimed	38
What is the estimated surface area (in square feet) that will be remediated	400
What is the estimated volume (in cubic yards) that will be remediated	38
<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 430055

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 430055
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 02/10/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 430055

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 430055
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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QUESTIONS, Page 6

Action 430055

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 430055
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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

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CONDITIONS

Action 430055

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 430055
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	Approved.	2/14/2025