



SITE ASSESSMENT, REMEDIATION, RECLAMATION, AND CLOSURE REPORT

PREPARED FOR:
DEVON ENERGY PRODUCTION, LP.

PREPARED BY:
PIMA ENVIRONMENTAL SERVICES, LLC.

MARCH 24, 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 ASSESSMENT, REMEDIATION, RECLAMATION AND CLOSURE REPORT

LOCATION: Boundary Raider 6 Fed #2H

Well API: 30-025-41884

GPS: 32.3256416, -103.7059097

INCIDENT LOCATION: UL- A Section 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 Assessment, Remediation, Reclamation, and Closure Report for a produced water release that occurred at the Boundary Raider 6 Fed #2H (Boundary). This incident was assigned Incident ID: NAPP2213648985, by the New Mexico Oil Conservation Division (NMOCD).

RELEASE INFORMATION

NAPP2213648985: On May 15, 2022, the heater-treater on location caught fire. The fire department extinguished the fire. The sight glass broke and there was a 5.7 barrels (bbls) spill on location, not in a lined containment. The spill did not go off site. The released fluids were calculated to be approximately 6 barrels (bbls) of produced water. No standing fluids were recovered.

SITE CHARACTERIZATION

The Boundary 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 interlayered eolian sands and piedmont-slop deposits along the eastern flank on 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 association, 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 (Figure 3). A Topographic Map can be referenced in figure 2.



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 of a mile away from the Boundary, drilled, April 16, 2024. Conversely, as per the United States Geological Survey well water data (USGS321952103400801), the nearest groundwater depth in this region is recorded at 487 feet BGS, situated approximately 2.15 miles away from the Boundary, with the last gauge conducted in 2012. The nearest 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.

Based on the groundwater data referenced above, incident NAPP2213648985 is required to meet the <50' closure criteria, as outlined in NMAC Closure Criteria 19.15.29. The table below provides a detailed depiction of this information for your reference.

SITE ASSESSMENT, REMEDIATION ACTIVITIES, AND SOIL SAMPLING RESULTS

On January 20, 2025, Pima mobilized personnel to the site to begin collecting soil samples from the spill area in effort to delineate. Nine (9) bottom samples were collected from depth intervals of 1', 2', 3', 4', and 5' below ground surface (BGS) from sample points labeled S1 through S9. Eight (8) sidewall samples were collected and labeled SW1 through SW8. One (1) sample point was collected from the pasture at a depth of 1' below ground surface (BGS) to serve as a background sample. All samples were put on ice, prepared for delivery, then delivered to Envirotech Analytical Laboratories in Farmington, New Mexico for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC. The laboratory results of this sampling event can be seen in the Data Tables in Figure 4. A Site Map can be found in Figure 5. Complete Laboratory Report is referenced in Appendix E.

On March 4, 2025, the Devon Construction Department mobilized personnel and equipment to begin immediate remediation activities. Based on the initial sampling results, remediation of area S1 was excavated to a depth of 2 feet and area S2 was excavated to a depth of 3 feet below ground surface. The total square footage excavated was 800 square feet totaling approximately 75 cubic yards. An Excavation Map can be found in Figure 6 for reference. The contaminated material was sufficiently removed then transported to Lea Land, LLC Landfill, an NMOCD approved disposal site. See Appendix D for Photographic Documentation.

On March 10, 2025, Pima personnel conducted sampling of the backfill soil, to ensure that the backfill soil was free from any contaminants. The results of this analysis can be found in Figure 4.

On March 10, 2025, after sending a 48-hour notification, application ID: 439567 (Appendix C), Pima returned to the site to collect confirmation samples of the area. A total of four (4) bottom composite samples were collected from the base of the excavation labeled CS1 through CS4. A Total of eight (8) sidewall samples were collected and labeled CSW1 through CSW8. The collected samples not exceeding a 200 square foot area from the base and walls of the excavated areas. A total of twelve (12) samples were collected for laboratory analysis for total chloride using EPA Method 200.0; benzene, toluene, ethylbenzene, and total xylenes (BTEX) using EPA method 8021B; motor, diesel, and gasoline range organics (MRO, DRO, & GRO) by EPA Method 8015D. All samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Envirotech Analytical Laboratories, in Farmington, New Mexico. The results of this sampling event can be found in Figure 4. A Confirmation Sample Map can be found in Figure 7. Complete Laboratory Report is referenced in Appendix E.

Based on the confirmation sample results, all bottom and sidewall confirmation samples are in compliance with NMOCD Closure Criteria 19.15.29 NMAC. Therefore, no further remediation is necessary.



RECLAMATION ACTIVITIES

Reclamation Activities were not required as the conditions of the area of release that were reported to have been affected were non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and TPH concentrations less than 100 mg/kg. To support this the Laboratory Analytical Reports are available in Appendix E. Furthermore, Photographic Documentation to prove that the ground has not been affected is available in Appendix F.

PROPOSED RECLAMATION ACTIONS

In accordance with NMAC 19.2.100.67 Regulations NMSLO Reclamation and Remediation Guidelines and Procedures, and any stipulations or land use agreements pertaining to the locations on private land, the following reclamation activities are proposed at the Site.

Once the site is no longer needed for production of subsequent drilling operations, Devon will conduct the following:

- All surface equipment, tanks, and piping, along with all trash, junk, and debris, will be removed for the Site location and transported for reuse, recycling, or disposal as Resources Conservation and Recovery Act (RCRA- Exempt E&P Waste at an NMOCD-approved facility.
- Stained or discolored areas found during historical imagery search or reclamation activities will be assessed by collecting samples for submission to an analytical laboratory to analyze chloride and TPH. Soils identified with Total Petroleum Hydrocarbons (TPH) or chloride impacts above NMOCD reclamation requirements will be reclaimed according to NMOCD standards;
- Any removed known or suspected contaminated soil will be transported to an NMOCD-approved facility for disposal as RCRA Exempt Waste;
- Upon completion of any excavation of known or suspected impacted material, composite confirmation samples will be collected from the excavation floor and sidewalls, with each sample representing an area of no more than 200 square feet following sampling protocols set out in 19.15.29 NMAC;
- Upon receipt of any laboratory analytical results from confirmation soil samples demonstrating constituent contaminant levels are equal to or below NMOCD Closure Criteria, any excavated areas will be backfilled with locally sourced clean soil.
- Surface caliche and previously imported base aggregate will be scraped and removed from the site's surface using mechanical equipment and associated roads. The removed aggregate materials are anticipated to be reused to maintain nearby active well pads and lease roads.
- The Site will have topsoil replaced and graded to match surrounding topography, then ripped, bermed, or water-barred to stabilize and control erosion and seeded with the appropriate NMSLO-approved seed mixture based on existing soil type at each location.
- Lease Roads will have topsoil replaced, then ripped, bermed back to in-use lease roads, water barred and seeded with NMSLO-approved seed mixture for the location soil type.
- Reclamation activities are expected to be completed within 90 days of NMSLO approval of a Site Assessment and Reclamation Work Plan.
- Withing 30 days or at the beginning of the next favorable growing season following these completed reclamation activities, each Reclamation Site location will be seeded via hand broadcast at double the drill seeding rate as prescribed in NMSLO Seed Mix application guidelines.



RESTORATION, RECLAMATION, AND REVEGETATION

Based on laboratory analytical results from confirmation soil samples, the reclaimed area will be backfilled with locally sourced clean topsoil. The reclaimed areas will be ripped and bermed or water-barred to achieve erosion control, surface stability, and preservation of surface water flow.

Preparation and Seeding

Preparation of reclaimed areas will include cross-ripping to prepare the seedbed with two-foot furrows as deep as possible without bringing rock material back to the surface. The prepared areas will be seeded with NMSLO-approved seed mixtures. Within 30 days of completion of reclamation activities, the seed will be applied using broadcast methods at double drill seed application quantities as prescribed by NMSLO Mix Data sheet. Seed mixtures will be free of noxious weeds. Traffic control berms discussed below will also be seeded.

Traffic Control and Access Restriction

As discussed above, earthen berms will be installed to restrict access and vehicular traffic through reclamation areas during the revegetation process. If berms proved unsuccessful long term at preventing disturbance to the reclamation area, fencing will be installed to further restrict Site access.

Vegetation Monitoring

Vegetation monitoring will be conducted in accordance with the New Mexico State Land Office Southeastern New Mexico Revegetation Handbook. Devon Energy acknowledges that a revised handbook is in development, and any applicable updated will be incorporated into the vegetation monitoring plan once published.

Revegetation typically requires approximately three years to be considered complete for reclamation purposes. After the first growing season, the revegetation area may initially appear sparse, with a mix of annual weeds, grasses, and other reclamation vegetation in the early stages of emergence.

By the second full growing season, pioneer reclamation grass species should be clearly visible, and grasses will typically begin to dominate over the annual weeds, although they may still be present. If there have been typical to above-average precipitation levels, revegetation will likely improve, with drought-tolerant species helping to support the growth. By the end of the third full growing season, the success of the revegetation efforts can generally be assessed.

Reclamation areas will be monitored semi-annually for growth, noxious weed management, and the need for additional reclamation activities until the required revegetation is completed. The following NMSLO-prescribed observational assessment methodology will guide the revegetation monitoring process during these semi-annual evaluations:

- Current conditions will be photographed with emphasis on problem areas, and ocular estimations of plant cover, production, and density will also be documented with photographs.
- Revegetation results will be compared to adjacent native areas.
- Erosional features such as gullies, rills, and sheet erosion will be recorded and photographed.
- Invasive and noxious weeds will be identified and photographed, and mitigation measures will be developed and implemented if required.
- Any grazing or overgrazing will be documented.



- Wildlife impacts will be documented to include rodents, rabbits, and large grazers.

The standard that will be employed to determine reclamation and revegetation progress is the comparison of the reclaimed and revegetated area with the adjacent native rangeland. This comparison may utilize ocular estimation or remote sensing of plant community cover, production, and diversity.

SCHEDULE

Upon approval of this Reclamation Work Plan, Devon Energy will carry out the reclamation activities described above on the site within 25 years, provided that production and/or subsequent drilling operations have been completed. Once Reclamation activities are complete, a reclamation report will be prepared for the Site and submitted to the NMSLO.

CONCLUSION

The long-term goal of final reclamation is to restore the ecosystem, including the natural vegetation community, hydrology, and wildlife habitats. This involves returning the land to a condition that closely resembles or equals its state prior to disturbance. According to ECO's guidance, reclamation is deemed successful when the reclaimed areas achieve a vegetation density greater than 70-percent of pre-disturbance coverage, excluding invasive or noxious weeds. Once the disturbed areas reach a representative vegetative cover and are considered successful, the former pad area associated with the Site will be deemed reclaimed in accordance with 19.2.100.67 NMAC.

CLOSURE REQUEST

After careful review, on behalf of Devon, Pima requests that this incident, NAPP2213648985, be closed.

Devon has complied with the applicable closure requirements set forth in 19.15.29.12 NMAC and requests that this remediation closure report for incident ID nAPP2213648985 be approved. Devon understands that the reclamation of this pad area (once it is no longer needed for production or subsequent drilling operations) will require an approved reclamation plan report addressing a minimum of four feet of non-waste containing earthen material. Followed by a revegetation plan report once the site has reached the required vegetative status.

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.rale@dv.com.

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

Respectfully,



Gio Gomez

Project Manager

Pima Environmental Services, LLC



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

Boundary Raider 6 Fed #2H | nAPP2213648985

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ATTACHMENTS

FIGURES:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Data Tables
- 5- Site Map
- 6- Excavation Map
- 7- Confirmation Sample Map

APPENDICES:



- Appendix A – Water Surveys, FEMA, and Wetlands Map
- Appendix B – Soil Survey, Geological Data
- Appendix C – 48-Hour Sampling Notification
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports

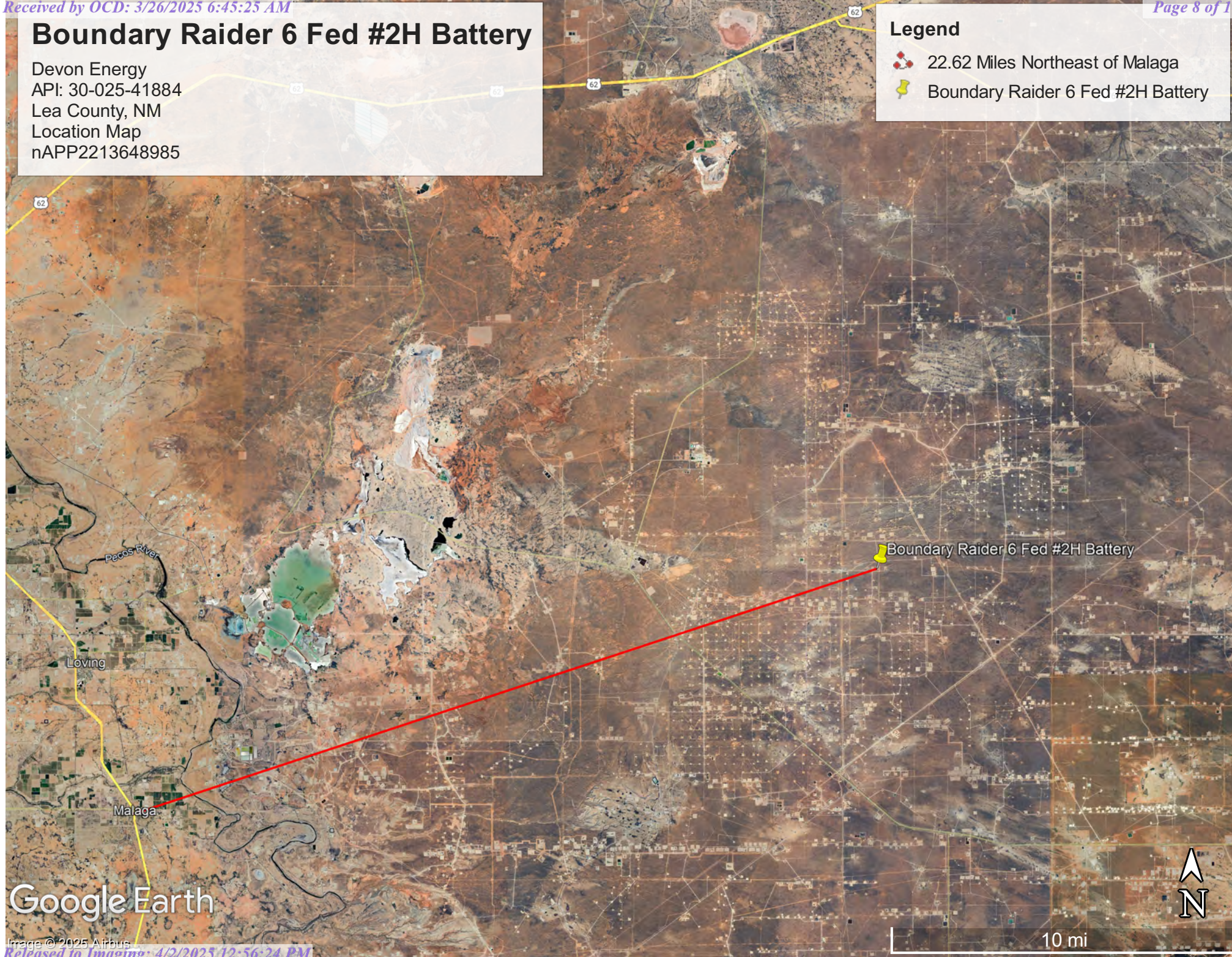


Boundary Raider 6 Fed #2H Battery

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

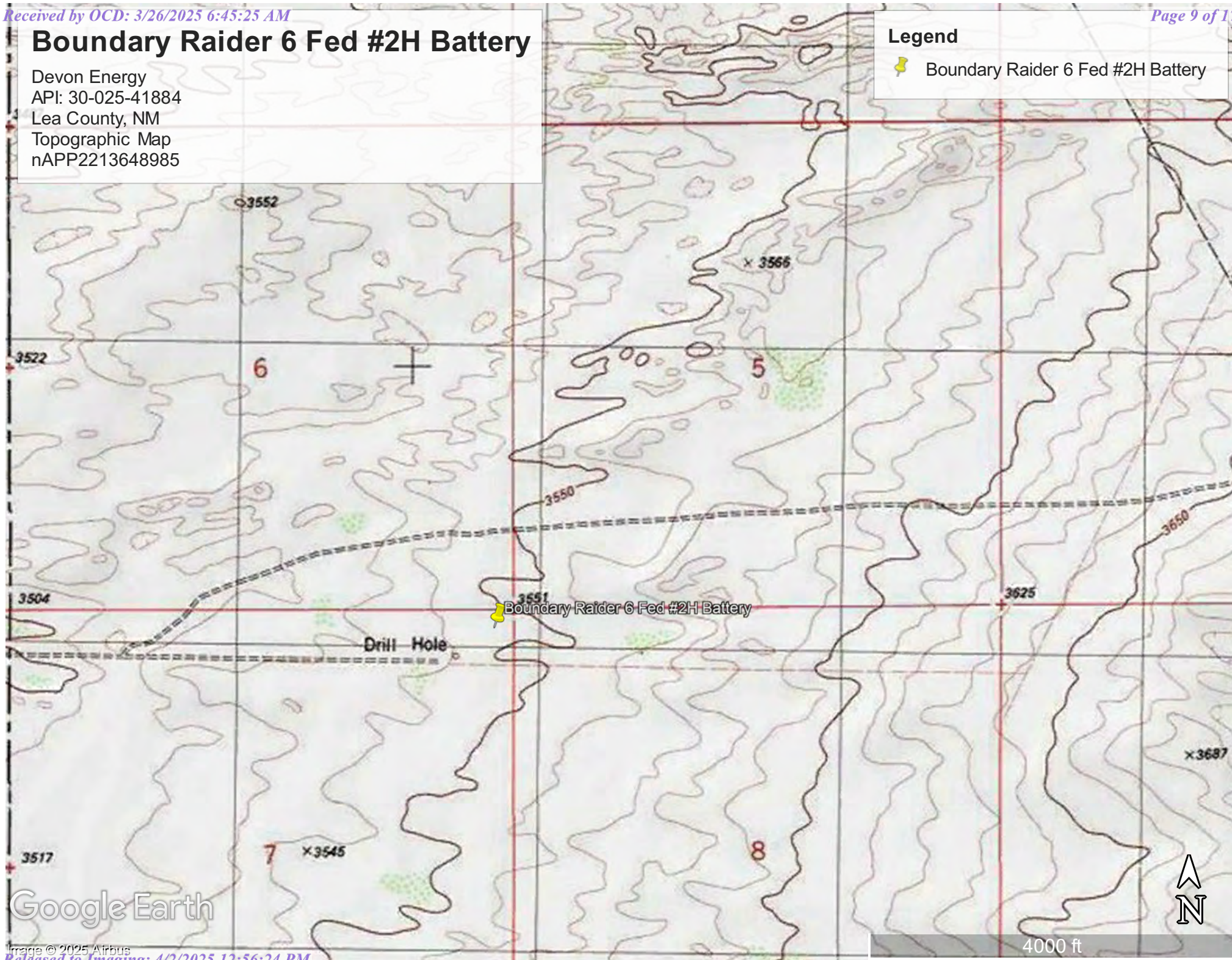
Image © 2025 Airbus

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



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

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 Boundary Raider 6 Fed #2H Battery



5 mi

INITIAL ASSESSMENT DATA TABLES



Pima Environmental Services, LLC
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575-964-7740 | www.pimaoil.com

Boundary Raider 6 Federal #002H | nAPP2213648985

DEVON ENERGY PRODUCTION, LP.

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
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

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
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

BACKFILL SAMPLING ANALYSIS DATA TABLES



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.

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY Boundary Raider 6 Fed 2H								
Date: 3-10-25		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	CI mg/kg
Backfill S1	1'	ND	ND	ND	ND	ND	0	ND
Backfill S2	1'	ND	ND	ND	ND	ND	0	ND

CONFIRMATION SAMPLE DATA TABLES



Pima Environmental Services, LLC
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Boundary Raider 6 Federal #002H | nAPP2213648985





DEVON ENERGY PRODUCTION, LP.

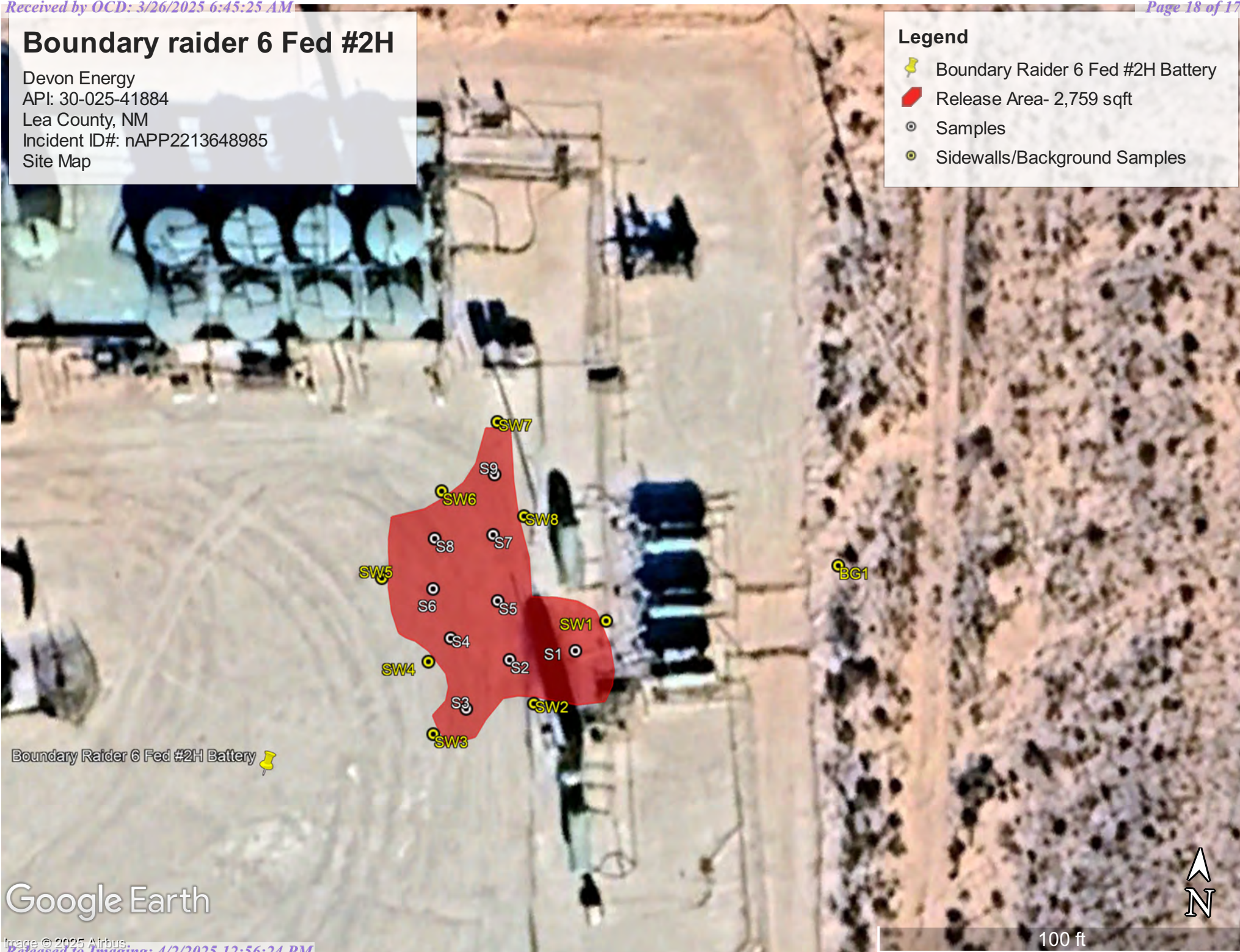
NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY Boundary Raider 6 Fed 2H								
Date: 3-10-25		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS1	3' Comp	ND	ND	ND	85.3	ND	85.3	62.9
CS2	3' Comp	ND	ND	ND	69	7.4	76.4	62.3
CS3	2' Comp	ND	ND	ND	39	49	88	205
CS4	2' Comp	ND	ND	ND	34	28	62	211
CSW1	COMP	ND	ND	ND	ND	ND	0	ND
CSW2	COMP	ND	ND	ND	ND	ND	0	124
CSW3	COMP	ND	ND	ND	ND	ND	0	193
CSW4	COMP	ND	ND	ND	ND	ND	0	174
CSW5	COMP	ND	ND	ND	ND	ND	0	209
CSW6	COMP	ND	ND	ND	ND	ND	0	291
CSW7	COMP	ND	ND	ND	ND	ND	0	263
CSW8	COMP	ND	ND	ND	ND	ND	0	208

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

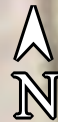
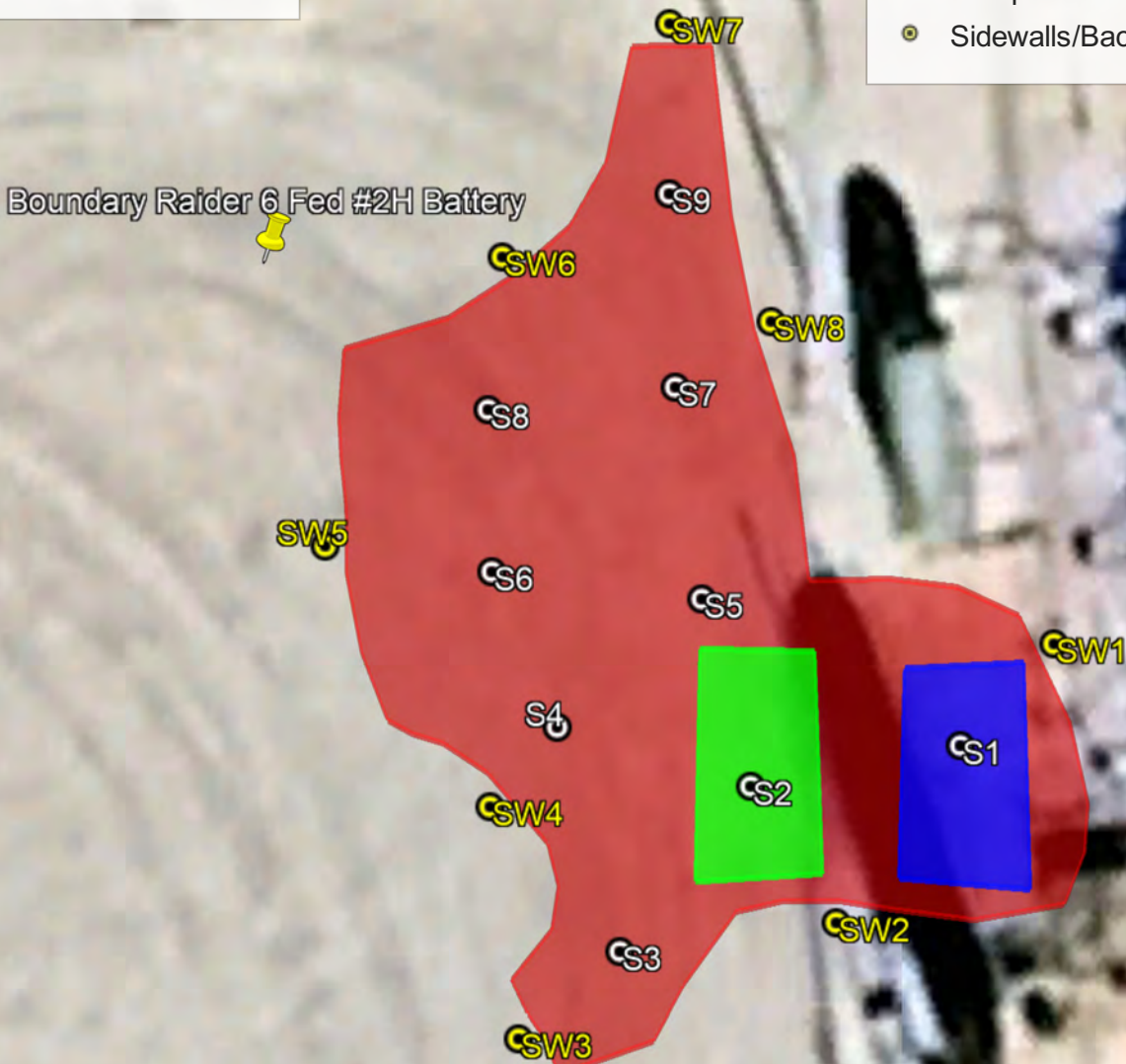


Boundary Raider 6 Federal #002H

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 propose excavation area- excavate to 2'
-  S2 proposed excavation area- excavate to 3'
-  Samples
-  Sidewalls/Background




Boundary Raider 6 Fed #2H

Devon Energy
API: 30-025-41884
Lea County, NM
Confirmation Sample Map
NAPP2213648985

Legend

-  Boundary Raider 6 Fed #2H Battery
-  Confirmation Samples
-  Confirmation Sidewall Samples
-  Sample Area- 400 sqft
-  Sample Area- 400 sqft

 Boundary Raider 6 Fed #2H Battery

CSW1
CS1
CSW4
CSW2
CS2
CSW3
CSW6
CS3
CSW5
CS4
CSW7
CSW8

Google Earth

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70 ft

APPENDIX A

OSE Water Survey

USGS Water Survey

Surface Water Map



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Boundary Raider 6 Federal #002H | nAPP2213648985


DEVON ENERGY PRODUCTION, LP.

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:

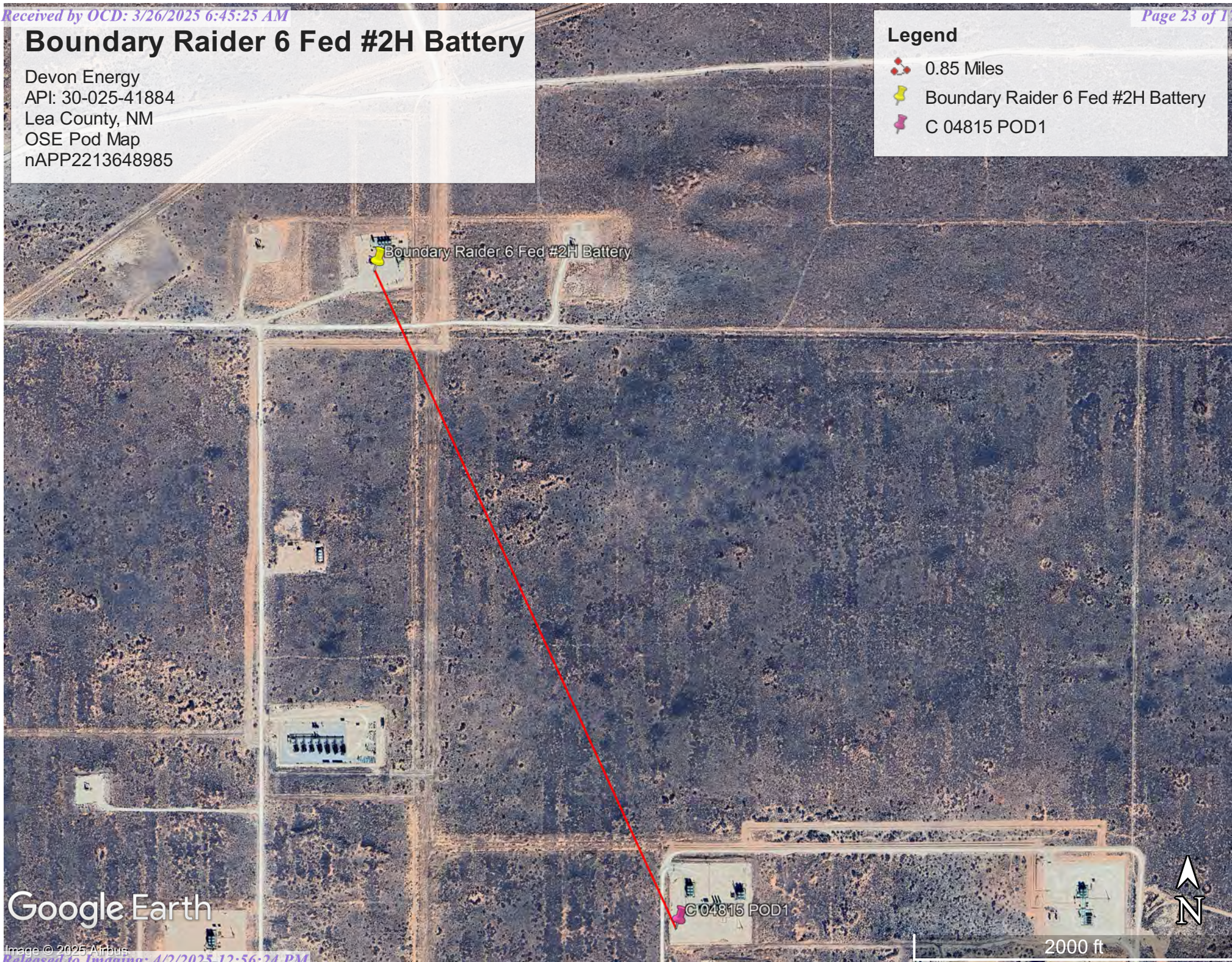
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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

C 04815 POD1

2000 ft





[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.

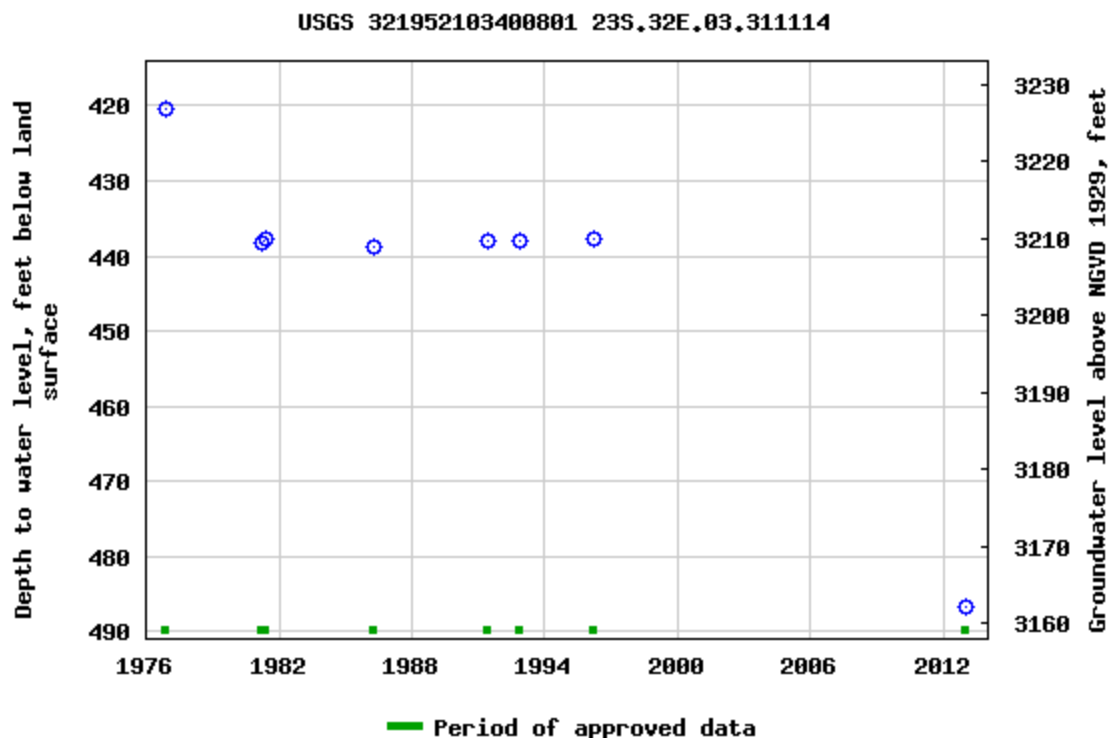
Output formats

[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.
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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

Released to Imaging: 4/2/2025 12:56:24 PM



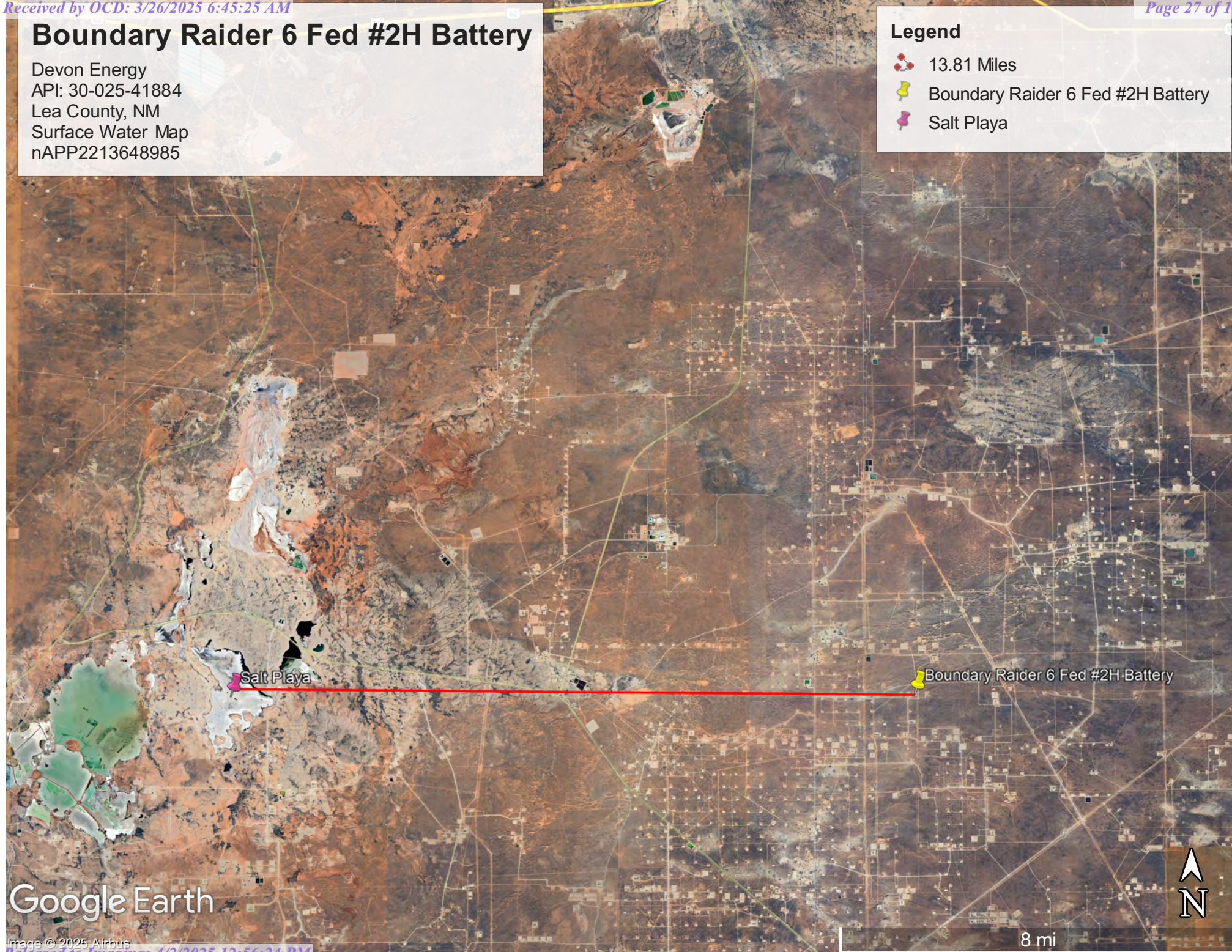
1 mi

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



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.

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



PU

X Boundary Raider 6 Fed #2H Battery



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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Accessibility (<https://www2.usgs.gov/laws/accessibility.html>) | Site Map (<https://www.usgs.gov/sitemap.html>) |




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

Released to Imaging: 4/2/2025 12:56:24 PM

Boundary Raider 6 Fed #2H Battery

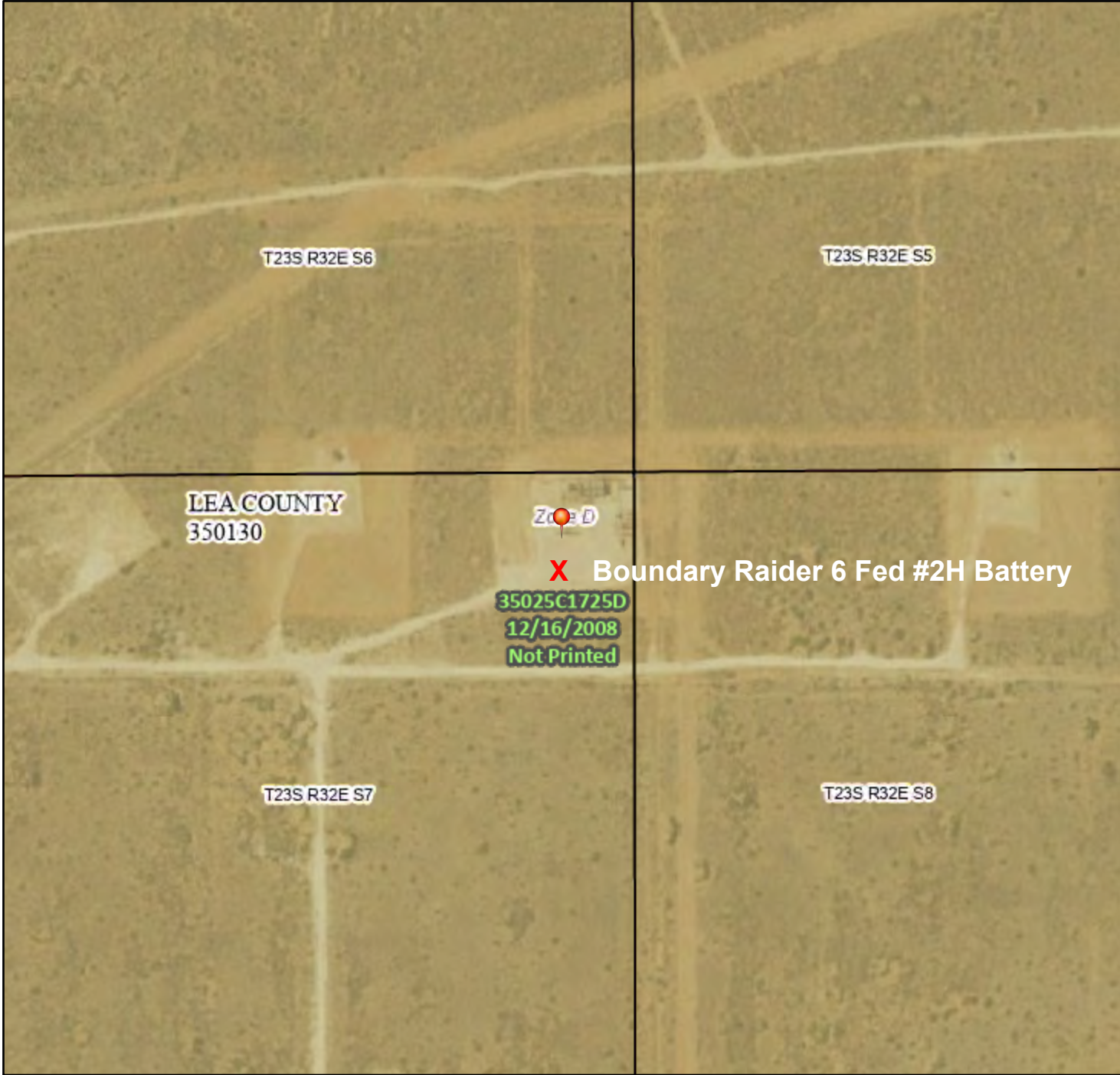


3 mi

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

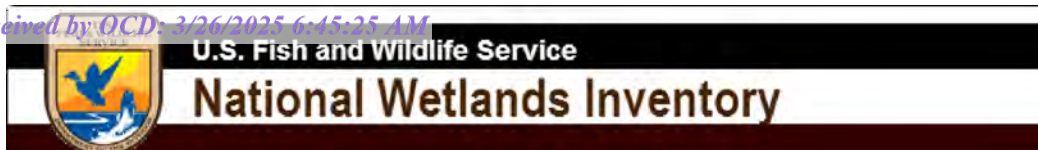


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

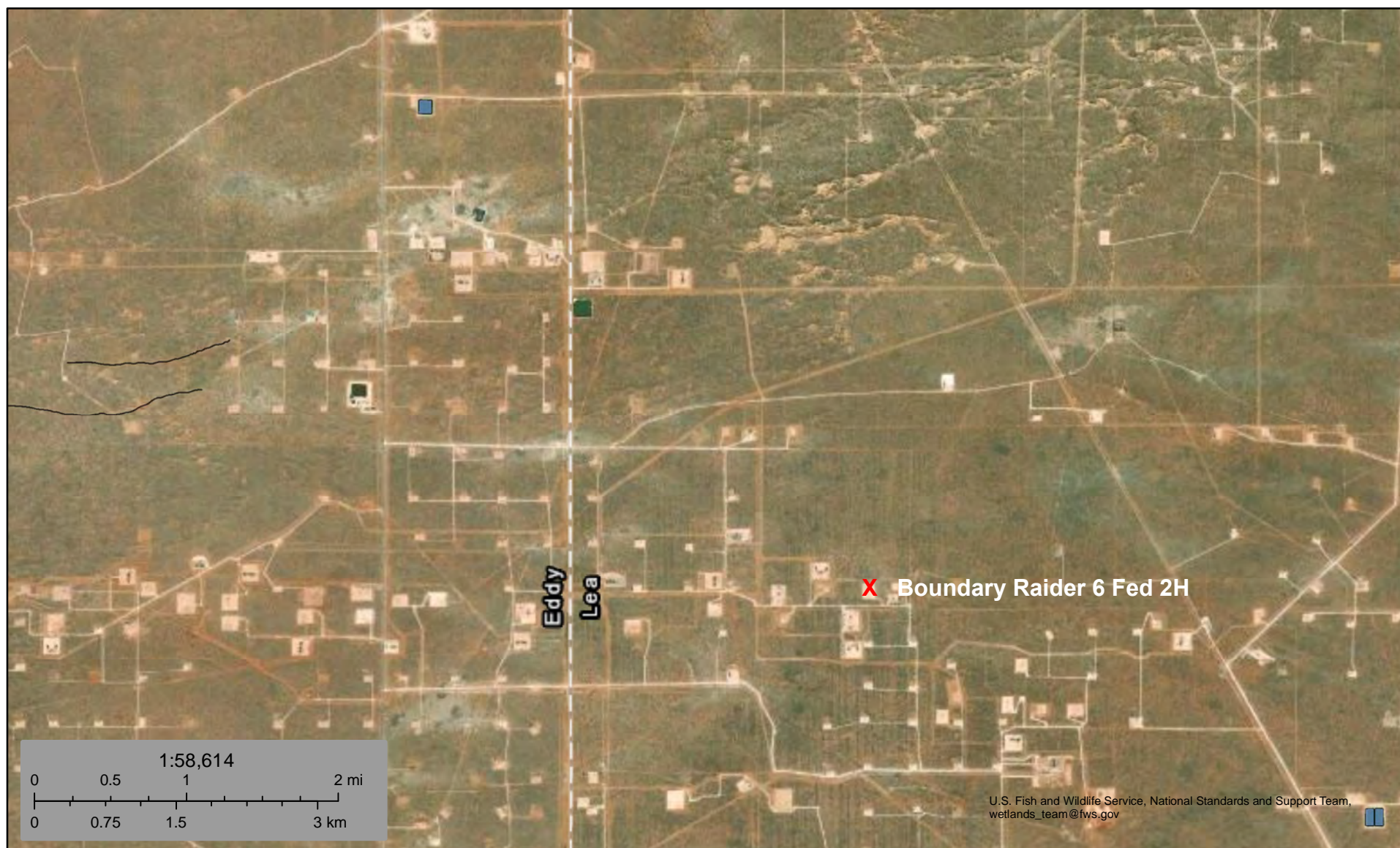
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

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

48-Hour Sampling Notification



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.

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 439567

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 439567
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

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 Approved
Incident Well	[30-025-41884] BOUNDARY RAIDER 6 FEDERAL #002H

Location of Release Source	
Site Name	BOUNDARY RAIDER 6 FEDERAL #002H
Date Release Discovered	05/15/2022
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	800
What is the estimated number of samples that will be gathered	12
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/10/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Marisa Love 575-416-0639
Please provide any information necessary for navigation to sampling site	32.3257, -103.7057

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

CONDITIONS

Action 439567

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 439567
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/6/2025

APPENDIX D

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 Southeast.



Photograph of site tech assessing the area facing East.



Photograph of site tech assessing the area facing Northeast.



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 Northwest.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Boundary Raider 6 Fed 2H

Excavation :



Photo taken during excavation process facing west.

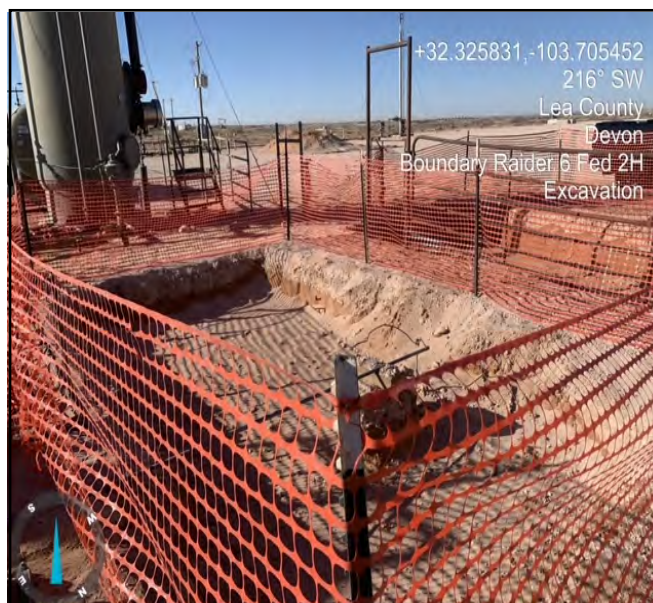


Photo taken during excavation process facing southwest.



Photo taken during excavation process facing southeast.



Photo taken during excavation process.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Boundary Raider 6 Fed 2H

Post Backfill :



Photo taken post backfill facing northeast.



Photo taken post backfill facing northeast.

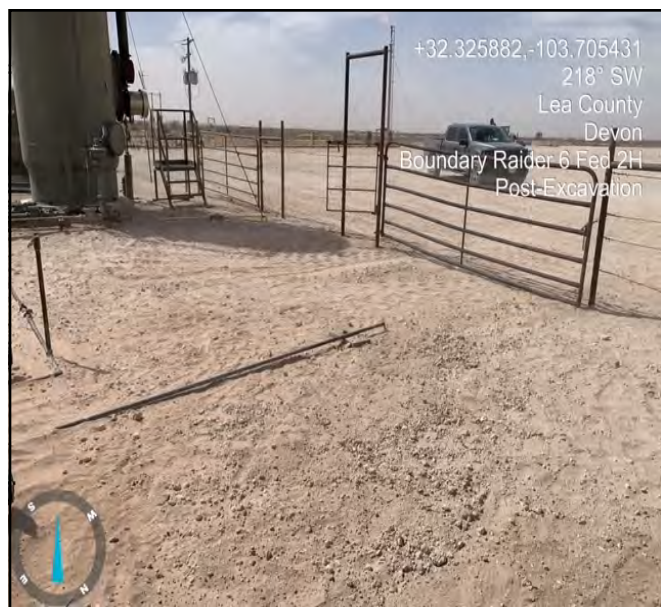


Photo taken post backfill facing southwest.



Photo taken post backfill facing southwest.

APPENDIX E

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,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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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>	92.5 %	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>	93.7 %	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)	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>	95.9 %	50-200		01/24/25	01/25/25	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	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	
<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	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<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>						
	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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

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	TCEQ 1005 - TX	RCRA 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 dry weight basis. 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:																			
Project Manager: <u>Lynsey Codas</u>				City, State, Zip:																			
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					Analysis and Method										EPA Program								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	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					
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) <u>Andrew Franco</u>				Date <u>1/20/25</u> Time <u>4:00</u>		Received by: (Signature) <u>Karime Horne</u>				Date <u>1/22/25</u> Time <u>10:27</u>		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.											
Relinquished by: (Signature) <u>Karime Horne</u>				Date <u>1/22/25</u> Time <u>1:30</u>		Received by: (Signature) <u>Michelle Gonzales</u>				Date <u>1-22-25</u> Time <u>1330</u>		Lab Use Only Received on ice: <u>Y</u> / N											
Relinquished by: (Signature) <u>Michelle Gonzales</u>				Date <u>1-22-25</u> Time <u>1520</u>		Received by: (Signature) <u>Richard Gonzales</u>				Date <u>1-22-25</u> Time <u>1526</u>		T1 _____ T2 _____ T3 _____											
Relinquished by: (Signature) <u>Richard Gonzales</u>				Date <u>1-22-25</u> Time <u>2130</u>		Received by: (Signature) <u>Christy Martin</u>				Date <u>1-23-25</u> Time <u>800</u>		AVG Temp °C <u>4</u>											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																							
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																							
Note: Samples are discarded 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: 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.

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.
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: 1/29/25



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,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.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	01/29/25 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
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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>E50116301078-001</u>		Job Number		1D	2D	3D	Std	NM	CO	UT	TX	
Project Name: <u>Boundary Pader 6 Fed. #2H</u>					Address:										<input checked="" type="checkbox"/>				
Project Manager: <u>Lynsey Coons</u>					City, State, Zip:														
Address: <u>5614 North Lovington Hwy</u>					Phone:														
City, State, Zip: <u>Holobbs, 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/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	SDWA	CWA	RCRA	
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) <u>Andrew Franco</u>		Date <u>1/20/25</u>		Time <u>4:00</u>		Received by: (Signature) <u>Karime Abarne</u>		Date <u>1/22/25</u>		Time <u>10:27</u>		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) <u>Karime Abarne</u>		Date <u>1/22/25</u>		Time <u>1:30</u>		Received by: (Signature) <u>Michelle Gonzales</u>		Date <u>1-22-25</u>		Time <u>1330</u>									
Relinquished by: (Signature) <u>Michelle Gonzales</u>		Date <u>1-22-25</u>		Time <u>1520</u>		Received by: (Signature) <u>Richard Gonzales</u>		Date <u>1-22-25</u>		Time <u>1520</u>									
Relinquished by: (Signature) <u>Richard Gonzales</u>		Date <u>1-22-25</u>		Time <u>2130</u>		Received by: (Signature) <u>Caitlynn</u>		Date <u>1-23-25</u>		Time <u>800</u>									
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	NM	CO	UT	TX	
Project Name: <u>Boundary Pad 6 Fed. #24</u>				Address:								<input checked="" type="checkbox"/>				
Project Manager: <u>Lynsey Coons</u>				City, State, Zip:				Analysis and Method				EPA Program				
Address: <u>5614 North Lovington Hwy</u>				Phone:				DRO/OKO by 8015	GRO/PRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCED 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg
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																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/OKO by 8015	GRO/PRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCED 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	Remarks
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. 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: 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.

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzaless@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Chain of Custody etc.

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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 17:07
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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
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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 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

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	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

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>				<table border="1"> <tr> <td>1D</td> <td>2D</td> <td>3D</td> <td>Std</td> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> </tr> </table>				1D	2D	3D	Std				X
1D	2D	3D	Std																							
			X																							
Project Name: <u>Boundary Raider 6 Fed. #24</u>					Address:										<table border="1"> <tr> <td>NM</td> <td>CO</td> <td>UT</td> <td>TX</td> </tr> <tr> <td>X</td> <td></td> <td></td> <td></td> </tr> </table>				NM	CO	UT	TX	X			
NM	CO	UT	TX																							
X																										
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	TELQ 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) <u>Andrew Franco</u>				Date <u>1/20/25</u>		Time <u>4:00</u>		Received by: (Signature) <u>Karime Hame</u>				Date <u>1/22/25</u>		Time <u>10:27</u>		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) <u>Karime Hame</u>				Date <u>1/22/25</u>		Time <u>1:30</u>		Received by: (Signature) <u>Michelle Gonzalez</u>				Date <u>1-22-25</u>		Time <u>1330</u>												
Relinquished by: (Signature) <u>Michelle Gonzalez</u>				Date <u>1-22-25</u>		Time <u>1520</u>		Received by: (Signature) <u>Richard Gonzalez</u>				Date <u>1-22-25</u>		Time <u>1520</u>												
Relinquished by: (Signature) <u>Richard Gonzalez</u>				Date <u>1-22-25</u>		Time <u>2130</u>		Received by: (Signature) <u>Caitlynn</u>				Date <u>1-23-25</u>		Time <u>800</u>												
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.																										



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Chain of Custody

Page 6 of 6

Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: <u>Devon</u>				Company: <u>Devon</u>		Lab WO# <u>E501104</u> Job Number <u>01058-0007</u>		1D 2D 3D Std <u>X</u>		NM CO UT TX <u>X</u>									
Project Name: <u>Boundary Raider 6 Fed #2H</u>				Address:															
Project Manager: <u>Lynsey Coons</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@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/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA	
	1/20/25	S		SW6		11						X							
				SW7		12													
				SW8		13													
				BG1		14													
Remarks																			
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 5 °C on subsequent days. Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>							
Andrew Franco		1/20/25		4:00		Karime Adame		1/22/25		10:27									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Karime Adame		1/22/25		1:30		Michelle Gonzales		1-22-25		1330									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA							
Michelle Gonzales		1-22-25		1520		Richard Gonzalez		1-22-25		1520									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		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.							
Richard Gonzalez		1-22-25		2130		Caitlin Mann		1-23-25		2000									



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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.

Report to:
Lynsey Coons



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Boundary Raider 6 Fed 2H

Work Order: E503059

Job Number: 01058-0007

Received: 3/12/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/12/25

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: 3/12/25

Lynsey Coons
PO Box 247
Plains, TX 79355-0247



Project Name: Boundary Raider 6 Fed 2H
Workorder: E503059
Date Received: 3/12/2025 5:00:57AM

Lynsey Coons,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/12/2025 5:00:57AM, 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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Chain of Custody etc.

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Boundary Raider 6 Fed 2H	Reported: 03/12/25 13:06
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Lynsey Coons	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1-3' COMP.	E503059-01A	Soil	03/10/25	03/12/25	Glass Jar, 2 oz.
CS2-3' COMP.	E503059-02A	Soil	03/10/25	03/12/25	Glass Jar, 2 oz.
CS3-2' COMP.	E503059-03A	Soil	03/10/25	03/12/25	Glass Jar, 2 oz.
CS4-2' COMP.	E503059-04A	Soil	03/10/25	03/12/25	Glass Jar, 2 oz.
CSW1 COMP.	E503059-05A	Soil	03/10/25	03/12/25	Glass Jar, 2 oz.
CSW2 COMP.	E503059-06A	Soil	03/10/25	03/12/25	Glass Jar, 2 oz.
CSW3 COMP.	E503059-07A	Soil	03/10/25	03/12/25	Glass Jar, 2 oz.
CSW4 COMP.	E503059-08A	Soil	03/10/25	03/12/25	Glass Jar, 2 oz.
CSW5- COMP.	E503059-09A	Soil	03/10/25	03/12/25	Glass Jar, 2 oz.
CSW6- COMP.	E503059-10A	Soil	03/10/25	03/12/25	Glass Jar, 2 oz.
CSW7- COMP.	E503059-11A	Soil	03/10/25	03/12/25	Glass Jar, 2 oz.
CSW8- COMP.	E503059-12A	Soil	03/10/25	03/12/25	Glass Jar, 2 oz.
BACKFILL S1-1'	E503059-13A	Soil	03/10/25	03/12/25	Glass Jar, 2 oz.
BACKFILL S2-1'	E503059-14A	Soil	03/10/25	03/12/25	Glass Jar, 2 oz.



Sample Data

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

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

Reported:
3/12/2025 1:06:10PM

CS1-3' COMP.

E503059-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2511021	
Benzene	ND	0.0250	1	03/12/25	03/12/25	
Ethylbenzene	ND	0.0250	1	03/12/25	03/12/25	
Toluene	ND	0.0250	1	03/12/25	03/12/25	
o-Xylene	ND	0.0250	1	03/12/25	03/12/25	
p,m-Xylene	ND	0.0500	1	03/12/25	03/12/25	
Total Xylenes	ND	0.0250	1	03/12/25	03/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.4 %	70-130	03/12/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2511021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/25	03/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.4 %	70-130	03/12/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2511022	
Diesel Range Organics (C10-C28)	85.3	25.0	1	03/12/25	03/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/25	03/12/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	03/12/25	03/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2511023	
Chloride	62.9	20.0	1	03/12/25	03/12/25	



Sample Data

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

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

Reported:
3/12/2025 1:06:10PM

CS2-3' COMP.

E503059-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2511021	
Benzene	ND	0.0250	1	03/12/25	03/12/25	
Ethylbenzene	ND	0.0250	1	03/12/25	03/12/25	
Toluene	ND	0.0250	1	03/12/25	03/12/25	
o-Xylene	ND	0.0250	1	03/12/25	03/12/25	
p,m-Xylene	ND	0.0500	1	03/12/25	03/12/25	
Total Xylenes	ND	0.0250	1	03/12/25	03/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>94.2 %</i>	<i>70-130</i>		<i>03/12/25</i>	<i>03/12/25</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2511021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/25	03/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>91.5 %</i>	<i>70-130</i>		<i>03/12/25</i>	<i>03/12/25</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2511022	
Diesel Range Organics (C10-C28)	69	25.0	1	03/12/25	03/12/25	
Oil Range Organics (C28-C36)	7.4	50.0	1	03/12/25	03/12/25	
<i>Surrogate: n-Nonane</i>	<i>107 %</i>	<i>61-141</i>		<i>03/12/25</i>	<i>03/12/25</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2511023	
Chloride	62.3	20.0	1	03/12/25	03/12/25	



Sample Data

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

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

Reported:
3/12/2025 1:06:10PM

CS3-2' COMP.

E503059-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2511021	
Benzene	ND	0.0250	1	03/12/25	03/12/25	
Ethylbenzene	ND	0.0250	1	03/12/25	03/12/25	
Toluene	ND	0.0250	1	03/12/25	03/12/25	
o-Xylene	ND	0.0250	1	03/12/25	03/12/25	
p,m-Xylene	ND	0.0500	1	03/12/25	03/12/25	
Total Xylenes	ND	0.0250	1	03/12/25	03/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>96.5 %</i>	<i>70-130</i>		<i>03/12/25</i>	<i>03/12/25</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2511021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/25	03/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>91.6 %</i>	<i>70-130</i>		<i>03/12/25</i>	<i>03/12/25</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2511022	
Diesel Range Organics (C10-C28)	39	25.0	1	03/12/25	03/12/25	
Oil Range Organics (C28-C36)	49	50.0	1	03/12/25	03/12/25	
<i>Surrogate: n-Nonane</i>	<i>103 %</i>	<i>61-141</i>		<i>03/12/25</i>	<i>03/12/25</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2511023	
Chloride	205	20.0	1	03/12/25	03/12/25	



Sample Data

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

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

Reported:
3/12/2025 1:06:10PM

CS4-2' COMP.

E503059-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2511021	
Benzene	ND	0.0250	1	03/12/25	03/12/25	
Ethylbenzene	ND	0.0250	1	03/12/25	03/12/25	
Toluene	ND	0.0250	1	03/12/25	03/12/25	
o-Xylene	ND	0.0250	1	03/12/25	03/12/25	
p,m-Xylene	ND	0.0500	1	03/12/25	03/12/25	
Total Xylenes	ND	0.0250	1	03/12/25	03/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>96.9 %</i>	<i>70-130</i>		<i>03/12/25</i>	<i>03/12/25</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2511021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/25	03/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>90.4 %</i>	<i>70-130</i>		<i>03/12/25</i>	<i>03/12/25</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2511022	
Diesel Range Organics (C10-C28)	34	25.0	1	03/12/25	03/12/25	
Oil Range Organics (C28-C36)	28	50.0	1	03/12/25	03/12/25	
<i>Surrogate: n-Nonane</i>	<i>104 %</i>	<i>61-141</i>		<i>03/12/25</i>	<i>03/12/25</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2511023	
Chloride	211	20.0	1	03/12/25	03/12/25	



Sample Data

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

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

Reported:
3/12/2025 1:06:10PM

CSW1 COMP.

E503059-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2511021
Benzene	ND	0.0250	1	03/12/25	03/12/25	
Ethylbenzene	ND	0.0250	1	03/12/25	03/12/25	
Toluene	ND	0.0250	1	03/12/25	03/12/25	
o-Xylene	ND	0.0250	1	03/12/25	03/12/25	
p,m-Xylene	ND	0.0500	1	03/12/25	03/12/25	
Total Xylenes	ND	0.0250	1	03/12/25	03/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.7 %	70-130		03/12/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2511021
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/25	03/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.8 %	70-130		03/12/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2511022
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/25	03/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/25	03/12/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		03/12/25	03/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2511023
Chloride	ND	20.0	1	03/12/25	03/12/25	



Sample Data

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

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

Reported:
3/12/2025 1:06:10PM

CSW2 COMP.

E503059-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2511021	
Benzene	ND	0.0250	1	03/12/25	03/12/25	
Ethylbenzene	ND	0.0250	1	03/12/25	03/12/25	
Toluene	ND	0.0250	1	03/12/25	03/12/25	
o-Xylene	ND	0.0250	1	03/12/25	03/12/25	
p,m-Xylene	ND	0.0500	1	03/12/25	03/12/25	
Total Xylenes	ND	0.0250	1	03/12/25	03/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		03/12/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2511021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/25	03/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.0 %	70-130		03/12/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2511022	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/25	03/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/25	03/12/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		03/12/25	03/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2511023	
Chloride	124	20.0	1	03/12/25	03/12/25	



Sample Data

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

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

Reported:
3/12/2025 1:06:10PM

CSW3 COMP.

E503059-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2511021	
Benzene	ND	0.0250	1	03/12/25	03/12/25	
Ethylbenzene	ND	0.0250	1	03/12/25	03/12/25	
Toluene	ND	0.0250	1	03/12/25	03/12/25	
o-Xylene	ND	0.0250	1	03/12/25	03/12/25	
p,m-Xylene	ND	0.0500	1	03/12/25	03/12/25	
Total Xylenes	ND	0.0250	1	03/12/25	03/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	03/12/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2511021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/25	03/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.7 %	70-130	03/12/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2511022	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/25	03/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/25	03/12/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	03/12/25	03/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2511023	
Chloride	193	20.0	1	03/12/25	03/12/25	



Sample Data

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

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

Reported:
3/12/2025 1:06:10PM

CSW4 COMP.

E503059-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2511021
Benzene	ND	0.0250	1	03/12/25	03/12/25	
Ethylbenzene	ND	0.0250	1	03/12/25	03/12/25	
Toluene	ND	0.0250	1	03/12/25	03/12/25	
o-Xylene	ND	0.0250	1	03/12/25	03/12/25	
p,m-Xylene	ND	0.0500	1	03/12/25	03/12/25	
Total Xylenes	ND	0.0250	1	03/12/25	03/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	03/12/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2511021
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/25	03/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.2 %	70-130	03/12/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2511022
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/25	03/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/25	03/12/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	03/12/25	03/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2511023
Chloride	174	20.0	1	03/12/25	03/12/25	



Sample Data

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

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

Reported:
3/12/2025 1:06:10PM

CSW5- COMP.

E503059-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2511021
Benzene	ND	0.0250	1	03/12/25	03/12/25	
Ethylbenzene	ND	0.0250	1	03/12/25	03/12/25	
Toluene	ND	0.0250	1	03/12/25	03/12/25	
o-Xylene	ND	0.0250	1	03/12/25	03/12/25	
p,m-Xylene	ND	0.0500	1	03/12/25	03/12/25	
Total Xylenes	ND	0.0250	1	03/12/25	03/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	03/12/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2511021
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/25	03/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.2 %	70-130	03/12/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2511022
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/25	03/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/25	03/12/25	
<i>Surrogate: n-Nonane</i>						
		108 %	61-141	03/12/25	03/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2511023
Chloride	209	20.0	1	03/12/25	03/12/25	



Sample Data

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

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

Reported:
3/12/2025 1:06:10PM

CSW6- COMP.

E503059-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2511021
Benzene	ND	0.0250	1	03/12/25	03/12/25	
Ethylbenzene	ND	0.0250	1	03/12/25	03/12/25	
Toluene	ND	0.0250	1	03/12/25	03/12/25	
o-Xylene	ND	0.0250	1	03/12/25	03/12/25	
p,m-Xylene	ND	0.0500	1	03/12/25	03/12/25	
Total Xylenes	ND	0.0250	1	03/12/25	03/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	73.9 %	70-130		03/12/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2511021
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/25	03/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.4 %	70-130		03/12/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2511022
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/25	03/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/25	03/12/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		03/12/25	03/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2511023
Chloride	291	20.0	1	03/12/25	03/12/25	



Sample Data

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

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

Reported:
3/12/2025 1:06:10PM

CSW7- COMP.

E503059-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2511021	
Benzene	ND	0.0250	1	03/12/25	03/12/25	
Ethylbenzene	ND	0.0250	1	03/12/25	03/12/25	
Toluene	ND	0.0250	1	03/12/25	03/12/25	
o-Xylene	ND	0.0250	1	03/12/25	03/12/25	
p,m-Xylene	ND	0.0500	1	03/12/25	03/12/25	
Total Xylenes	ND	0.0250	1	03/12/25	03/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	76.1 %	70-130		03/12/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2511021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/25	03/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.1 %	70-130		03/12/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2511022	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/25	03/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/25	03/12/25	
<i>Surrogate: n-Nonane</i>	106 %	61-141		03/12/25	03/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2511023	
Chloride	263	20.0	1	03/12/25	03/12/25	



Sample Data

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

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

Reported:
3/12/2025 1:06:10PM

CSW8- COMP.

E503059-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2511021	
Benzene	ND	0.0250	1	03/12/25	03/12/25	
Ethylbenzene	ND	0.0250	1	03/12/25	03/12/25	
Toluene	ND	0.0250	1	03/12/25	03/12/25	
o-Xylene	ND	0.0250	1	03/12/25	03/12/25	
p,m-Xylene	ND	0.0500	1	03/12/25	03/12/25	
Total Xylenes	ND	0.0250	1	03/12/25	03/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	76.1 %	70-130		03/12/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2511021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/25	03/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.1 %	70-130		03/12/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2511022	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/25	03/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/25	03/12/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		03/12/25	03/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2511023	
Chloride	208	20.0	1	03/12/25	03/12/25	



Sample Data

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

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

Reported:
3/12/2025 1:06:10PM

BACKFILL S1-1'

E503059-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2511021	
Benzene	ND	0.0250	1	03/12/25	03/12/25	
Ethylbenzene	ND	0.0250	1	03/12/25	03/12/25	
Toluene	ND	0.0250	1	03/12/25	03/12/25	
o-Xylene	ND	0.0250	1	03/12/25	03/12/25	
p,m-Xylene	ND	0.0500	1	03/12/25	03/12/25	
Total Xylenes	ND	0.0250	1	03/12/25	03/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	80.4 %	70-130		03/12/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2511021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/25	03/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.1 %	70-130		03/12/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2511022	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/25	03/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/25	03/12/25	
<i>Surrogate: n-Nonane</i>	106 %	61-141		03/12/25	03/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2511023	
Chloride	ND	20.0	1	03/12/25	03/12/25	



Sample Data

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

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

Reported:
3/12/2025 1:06:10PM

BACKFILL S2-1'

E503059-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2511021	
Benzene	ND	0.0250	1	03/12/25	03/12/25	
Ethylbenzene	ND	0.0250	1	03/12/25	03/12/25	
Toluene	ND	0.0250	1	03/12/25	03/12/25	
o-Xylene	ND	0.0250	1	03/12/25	03/12/25	
p,m-Xylene	ND	0.0500	1	03/12/25	03/12/25	
Total Xylenes	ND	0.0250	1	03/12/25	03/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	82.0 %	70-130		03/12/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2511021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/25	03/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.3 %	70-130		03/12/25	03/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2511022	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/12/25	03/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/12/25	03/12/25	
<i>Surrogate: n-Nonane</i>	106 %	61-141		03/12/25	03/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2511023	
Chloride	ND	20.0	1	03/12/25	03/12/25	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Boundary Raider 6 Fed 2H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Lynsey Coons	3/12/2025 1:06:10PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2511021-BLK1)

Prepared: 03/12/25 Analyzed: 03/12/25

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	7.68		8.00		96.0	70-130			

LCS (2511021-BS1)

Prepared: 03/12/25 Analyzed: 03/12/25

Benzene	5.15	0.0250	5.00		103	70-130			
Ethylbenzene	5.15	0.0250	5.00		103	70-130			
Toluene	5.21	0.0250	5.00		104	70-130			
o-Xylene	5.14	0.0250	5.00		103	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.70		8.00		96.2	70-130			

LCS Dup (2511021-BSD1)

Prepared: 03/12/25 Analyzed: 03/12/25

Benzene	5.34	0.0250	5.00		107	70-130	3.69	20	
Ethylbenzene	5.34	0.0250	5.00		107	70-130	3.66	20	
Toluene	5.41	0.0250	5.00		108	70-130	3.66	20	
o-Xylene	5.34	0.0250	5.00		107	70-130	3.76	20	
p,m-Xylene	10.8	0.0500	10.0		108	70-130	3.65	20	
Total Xylenes	16.2	0.0250	15.0		108	70-130	3.69	20	
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		96.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Boundary Raider 6 Fed 2H	Reported: 3/12/2025 1:06:10PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Lynsey Coons	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2511021-BLK1)					Prepared: 03/12/25 Analyzed: 03/12/25				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			

LCS (2511021-BS2)					Prepared: 03/12/25 Analyzed: 03/12/25				
Gasoline Range Organics (C6-C10)	40.9	20.0	50.0		81.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			

LCS Dup (2511021-BSD2)					Prepared: 03/12/25 Analyzed: 03/12/25				
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.8	70-130	9.38	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.3	70-130			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Boundary Raider 6 Fed 2H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Lynsey Coons	3/12/2025 1:06:10PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

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 (2511022-BLK1)

Prepared: 03/12/25 Analyzed: 03/12/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	50.4		50.0		101	61-141			

LCS (2511022-BS1)

Prepared: 03/12/25 Analyzed: 03/12/25

Diesel Range Organics (C10-C28)	222	25.0	250		89.0	66-144			
Surrogate: <i>n</i> -Nonane	50.8		50.0		102	61-141			

Matrix Spike (2511022-MS1)

Source: E503059-07

Prepared: 03/12/25 Analyzed: 03/12/25

Diesel Range Organics (C10-C28)	677	25.0	250	428	99.8	56-156			
Surrogate: <i>n</i> -Nonane	50.5		50.0		101	61-141			

Matrix Spike Dup (2511022-MSD1)

Source: E503059-07

Prepared: 03/12/25 Analyzed: 03/12/25

Diesel Range Organics (C10-C28)	625	25.0	250	428	78.8	56-156	8.05	20	
Surrogate: <i>n</i> -Nonane	49.1		50.0		98.3	61-141			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Boundary Raider 6 Fed 2H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Lynsey Coons	3/12/2025 1:06:10PM

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 (2511023-BLK1)					Prepared: 03/12/25 Analyzed: 03/12/25				
Chloride	ND	20.0							
LCS (2511023-BS1)					Prepared: 03/12/25 Analyzed: 03/12/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2511023-MS1)					Source: E503059-01		Prepared: 03/12/25 Analyzed: 03/12/25		
Chloride	323	20.0	250	62.9	104	80-120			
Matrix Spike Dup (2511023-MSD1)					Source: E503059-01		Prepared: 03/12/25 Analyzed: 03/12/25		
Chloride	321	20.0	250	62.9	103	80-120	0.551	20	

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Boundary Raider 6 Fed 2H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Lynsey Coons	03/12/25 13:06

- 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

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Pima Environmental Services, LLC				Company: Devon		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX		
Project Name: Boundary Raider 6 Fed 2H				Address:		E503059	01058-0007	X				X					
Project Manager: Lynsey Coons				City, State, Zip:		Analysis and Method						EPA Program					
Address: 5614 N Lovington Hwy				Phone:								SDWA				CWA	RCRA
City, State, Zip: Hobbs, NM 88240				Email:								Compliance				Y	or
Phone: (575)318-7532				Miscellaneous: Project No. #1-118-1		DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Chloride 300.0 BGDOC - NM TCEQ 1005 - TX RCRA 8 Metals Carbon/Anion Pkg						PWSID #					
Email: Lynsey@pimaoil.com																	
Sample Information																	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	Remarks										
8:01	3/10/2025	S		CS1-3' COMP.		1											
8:06	3/10/2025	S		CS2-3' COMP.		2											
8:13	3/10/2025	S		CS3-2' COMP.		3											
8:15	3/10/2025	S		CS4-2' COMP.		4											
8:19	3/10/2025	S		CSW1 COMP.		5											
8:22	3/10/2025	S		CSW2 COMP.		6											
8:28	3/10/2025	S		CSW3 COMP.		7											
8:32	3/10/2025	S		CSW4 COMP.		8											
8:38	3/10/2025	S		CSW5- COMP.		9											
8:44	3/10/2025	S		CSW6- COMP.		10											
Additional Instructions: W/O # 21030947																	
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: Andrew Franco																	
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 oC on subsequent days.									
Andrew Franco		3/10/25	12:36	Karime Adame		3/11/25	10:00										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Karime Adame		3/11/25	1:09	Michelle Gonzales		3-11-25	1309										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp oC 4									
Michelle Gonzales		3-11-25	1545	J. H.		3.11.25	1545										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
J. H.		3.11.25	2230	Keylyn R. Hall		3-12-25	0500										
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.																	

Page 2 of 2[illegible]

Envirotech Analytical Laboratory

Printed: 3/12/2025 9:50:51AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	03/12/25 05:00	Work Order ID:	E503059
Phone:	(575) 631-6977	Date Logged In:	03/11/25 14:24	Logged In By:	Caitlin Mars
Email:	lynsey@pimaoil.com	Due Date:	03/12/25 17:00 (0 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

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.

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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

Action 445442

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 445442
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2213648985
Incident Name	NAPP2213648985 BOUNDARY RAIDER 6 FEDERAL #002H @ 30-025-41884
Incident Type	Produced Water Release
Incident Status	Reclamation Report 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	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	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.

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QUESTIONS, Page 2

Action 445442

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 445442
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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: 03/26/2025
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Phone: (505) 476-3441

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QUESTIONS, Page 3

Action 445442

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 445442
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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)	Between 1 and 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	03/04/2025
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)	03/18/2025
What is the estimated surface area (in square feet) that will be reclaimed	800
What is the estimated volume (in cubic yards) that will be reclaimed	75
What is the estimated surface area (in square feet) that will be remediated	800
What is the estimated volume (in cubic yards) that will be remediated	75
<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 445442

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 445442
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dv.com Date: 03/26/2025
<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 445442

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 445442
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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 445442

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 445442
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	439567
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/10/2025
What was the (estimated) number of samples that were to be gathered	12
What was the sampling surface area in square feet	800

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	800
What was the total volume (cubic yards) remediated	75
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	800
What was the total volume (in cubic yards) reclaimed	75
Summarize any additional remediation activities not included by answers (above)	Devon has complied with the applicable closure requirements set forth in 19.15.29.12 NMAC and requests that this remediation closure report for incident ID nAPP2213648985 be approved.

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 03/26/2025
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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 7

Action 445442

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 445442
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	800
What was the total volume of replacement material (in cubic yards) for this site	75
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	01/20/2050
Summarize any additional reclamation activities not included by answers (above)	Suitable backfill has been added to remediation. Site protected from erosion by caliche. - Caliche will be removed and area seeded when production equipment removed and area no longer needed for production.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 03/26/2025

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QUESTIONS, Page 8

Action 445442

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 445442
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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Santa Fe, NM 87505

CONDITIONS

Action 445442

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 445442
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	The reclamation report has been approved pursuant to 19.15.29.13 E. NMAC. The acceptance of this 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; or if the location fails to revegetate properly. In addition, the OCD approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.	4/2/2025
amaxwell	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	4/2/2025
amaxwell	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	4/2/2025