



CLOSURE REQUEST REPORT ADDENDUM

Site Information:

Boundary Raider 5 Federal #231H

Incident Number: nAPP2501341167

Unit D, Section 08, Township 23 South, Range 32 East

Lea County, New Mexico

(32.32599, -103.70181)

Prepared For:

Devon Energy Production Company, LP

5315 Buena Vista Dr.

Carlsbad, NM 88220

EXECUTIVE SUMMARY

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Devon Energy Production Company, LP (Devon), presents the following Closure Request Report Addendum (CRR) for an inadvertent release at the Boundary Raider 5 Federal #231H (Incident Number nAPP2501341167), associated with a packing leak on the wellhead. Initial delineation, confirmation, and excavation confirmation soil sampling were completed to address residual impacts in soils. Approximately 292 cubic yards of impacted material were removed and transported to a disposal facility under Devon approved waste manifests.

A Closure Request Report (CRR) [522582](#) was submitted to the New Mexico Oil Conservation Division (NMOCD) on November 24, 2025. The NMOCD rejected the CRR for the following reason(s):

- *Remediation closure denied for the following reasons: 1) According to Figure 2 provided, the surface area remediated was 16,360 ft². $16,360/400=40.9$; 41 base samples should have been collected from the excavations and only 31 base samples were collected. A sampling plan needs to be submitted to reviewer via email, showing proposed resampling locations/depths prior to sample collection. 2) Explain where SW07 was collected. If any portion of it was collected along the pasture to the west, then that sidewall needs over excavated until it is below Table I <50 feet to groundwater standards. Submit updated report to OCD by 12/24/25.*

On December 29, 2025, Etech, on behalf of Devon, formally requested a 90-day extension to discuss the discrepancies with the NMOCD and prepare a corrective action report establishing a new deadline of March 24, 2026, for Incident Number nAPP2501341167.

This CRR documents the corrective actions completed to date, provides updated figures and supporting documentation, including field measurement records, and details resolutions and/or clarifications associated with NMOCD denial comments from the previously submitted CRR. The findings demonstrate that remediation activities have been conducted in a manner protective of human health, groundwater, and the environment, and in compliance with applicable NMOCD and Bureau of Land Management (BLM) requirements.

SITE LOCATION AND RELEASE BACKGROUND

The Site is associated with oil and gas exploration and production operations located on Federal Land, managed by the BLM (Figure 1 in Appendix A). On January 12, 2025, a packing leak on the wellhead released approximately 10 barrels (bbls) of crude oil and 26 bbls of produced water onto the well pad surface and sprayed over the adjacent southwestern pasture. A vacuum truck was immediately dispatched and recovered approximately 9 bbls of crude oil and 24 bbls of produced water. Following the release, Devon immediately notified the NMOCD on a Notice of Release (NOR) on January 12, 2025, and a subsequent Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on January 14, 2025, and was assigned Incident Number nAPP2501341167.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

As previously described in the SCRP and CRR, Etech characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) considering depth to ground water and the proximity to surficial and subsurface receptors.

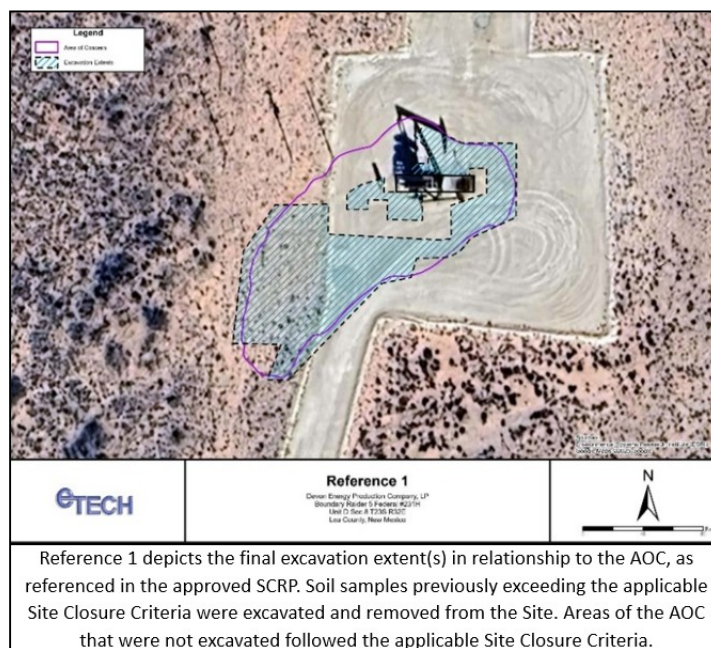
The potential receptors were not within the established buffers in NMAC 19.15.29.12. Receptor details and sources used to determine the Site Characterization are included in Figure 1A, Figure 1B, and Figure 1C in Appendix A. Referenced well records for depth to groundwater determination are included in Appendix B.

Based on the results from the desktop review detailed in the approved SCRP, the following Closure Criteria was applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria Limits [†]
Chloride	Environmental Protection Agency (EPA) 300.0	10,000 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	EPA 8015 M/D	2,500 mg/kg
TPH-Gasoline Range Organics (GRO) + TPH-Diesel Range Organics (DRO)	EPA 8015 M/D	1,000 mg/kg
Benzene	EPA 8021B/8260B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8260B/8260B	50 mg/kg

[†]The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13

EXCAVATION SOIL SAMPLING ACTIVITIES



Following the completion of the outlined proposed excavations as depicted in Reference 1 in the approved SCRP on July 30 and August 15, 2025, Etech collected 5-point composite confirmation samples from the excavation floors (FS81 through FS111) at a 400-square-foot sampling frequency and the excavation sidewalls (SW04 through SW10) at a 200-square-foot sampling frequency. Soil was field screened for volatile organic compounds (VOCs) using a calibrated photoionization detector (PID) and for chloride using Hach® chloride QuanTab® test strips.

The excavation confirmation soil samples were comprised of five equivalent aliquots, homogenized in a 1-gallon, resealable plastic bag, then placed directly into lab-provided pre-cleaned glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech, Inc. Laboratories (Envirotech) in Farmington, New Mexico, for analysis of COCs.

Approximately 292 cubic yards of impacted soil were excavated, removed from the Site, and transported to a waste management facility under Devon approved manifests. The excavation extent and location of final confirmation soil samples are shown in [Figure 2](#) in [Appendix A](#). Photographic documentation of excavation activities is included in [Appendix C](#).

CONFIRMATION EXCAVATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for the final excavation confirmation soil samples indicated concentrations of the COCs were below the applicable Site Closure Criteria. Laboratory analytical results are summarized in [Table 1](#), included in [Appendix D](#). The executed chain-of-custody forms and laboratory analytical reports are provided in [Appendix E](#).

SITE RESTORATION

On September 17, 2025, the excavation, which totaled approximately 12,023 square feet, was backfilled with 292 cubic yards of clean, locally sourced soil and the Site was restored to “as close to its original state” as possible. The final soil cover was contoured to match the Site’s pre-existing grade to prevent ponding of water and erosion. The pasture excavation area(s) totaling approximately 5,450 square feet will be reseeded with BLM Seed Mix #2 (LPC Sand/Shinnery Sites) which will include hand-broadcasting over the entire disturbed area in the next favorable season following BLM guidelines ([Appendix F](#)). The selected seed blend will provide the maximum results of vegetation regrowth and ground surface coverage to match pre-existing conditions at the Site. Site inspections will be performed annually to assess the revegetation progress and evaluate the Site for the presence or absence of primary and/or secondary noxious weeds. If no growth is shown within a year of the next favorable growing season, the Site will be reseeded accordingly. If noxious weeds are identified, Devon will address them accordingly.

Prior to initiating backfilling activities, Etech assessed the backfill material source at Northern Delaware Basin Landfill for concentrations of COCs and/or its capacity to host vegetative growth. Two 5-point composite stockpile soil samples were collected from the material source stockpile(s) to use as soil cover material for the excavation areas (STKP01 through STKP02). The stockpile soil samples (SC01 through SC02) were field screened for VOCs and chloride, as previously described, and qualitatively evaluated for nutrient density of pH, Nitrogen (N), Phosphorus (P), and Potassium (K) utilizing a HoldAll® Soil Test Kit according to the operating manual, which is included in [Appendix G](#). Field screening and laboratory analytical results indicated the backfill material is clean (as per reclamation standards) and appears to correlate with surrounding soil conditions currently supporting native vegetative growth, as summarized in [Table 1](#), and [Table 2](#) included in [Appendix D](#). Photographic documentation of restoration activities is included in [Appendix C](#).

RESOLUTION OF SQUARE FOOTAGE MEASUREMENT(S)

During regulatory review, discrepancies were identified between excavation square footage values derived from Geographic Information System GIS workflows and measurements obtained

from exported PDF Site Maps utilizing the PDF measurement tool. A technical evaluation determined that the discrepancy was due to distortion introduced by the WGS 1984 Web Mercator Auxiliary Sphere projection used during the export process. Based on updated mapping workflow, excavation dimensions and sampling coverage are considered accurate and representative of Site conditions. The finalized excavation footprint totals approximately 12,023 square feet (sqft). With the approved 400 sqft variance, the corresponding floor requirement resulted in a requirement for 31 base confirmation floor soil samples to be collected from the excavation floors. Laboratory analytical results indicated that the concentrations of COCs for all final confirmation excavation soil samples were compliant with Site Closure Criteria. Laboratory analytical results are summarized in Table 1 included in Appendix D. The executed chain-of-custody form and laboratory reports are provided in Appendix E.

CLARIFICATION OF EXCAVATION SIDEWALL SOIL SAMPLE LOCATIONS

All Sidewall soil samples meet Site Closure Criteria. The outermost sidewall results further support that lateral delineation of the AOC has been achieved as shown in Figure 2 in Appendix A.

CLOSURE REQUEST

In conjunction with confirmation soil sampling activities detailed in the SCRPs and the excavation soil sampling activities detailed in this CRRA, impacted soil as defined by the Site Closure Criteria and/or reclamation standard has been delineated, excavated, and removed from the Site.

As such, Devon believes environmental impacts have been rectified in accordance with NMAC 19.15.29 and are protective of human health, the environment, and groundwater. Devon respectfully requests approval of this CRRA from the NMOCD and believes no further action is required. If you have any questions or comments, please do not hesitate to contact Erick Herrera at (432) 305-6416 or erick@etechnv.com or Joseph S. Hernandez at (432) 305-6413 or joseph@etechnv.com. Appendix I provides correspondence email notification receipts and discrepancy resolution associated with the subject release.

Sincerely,

Etech Environmental and Safety Solutions, Inc.



Erick Herrera
Operations Manager, Geologist



Joseph S. Hernandez
Division Director, Geologist

cc: Jim Raley, Devon
New Mexico Oil Conservation Division
Bureau of Land Management

Appendices:

Appendix A: Figure 1: Site Location Map

Figure 1A: Site Characterization – Groundwater

Figure 1B: Site Characterization – Surficial Receptors

Figure 1C: Site Characterization – Subsurface Receptors

Figure 2: Final Confirmation Soil Sample Locations

Appendix B: Referenced Well Records

Appendix C: Photographic Log

Appendix D: Tables

Appendix E: Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix F: BLM Seed Mixture 2

Appendix G: HoldAll® Operating Manual

Appendix H: Correspondence & Notifications

| Appendix A

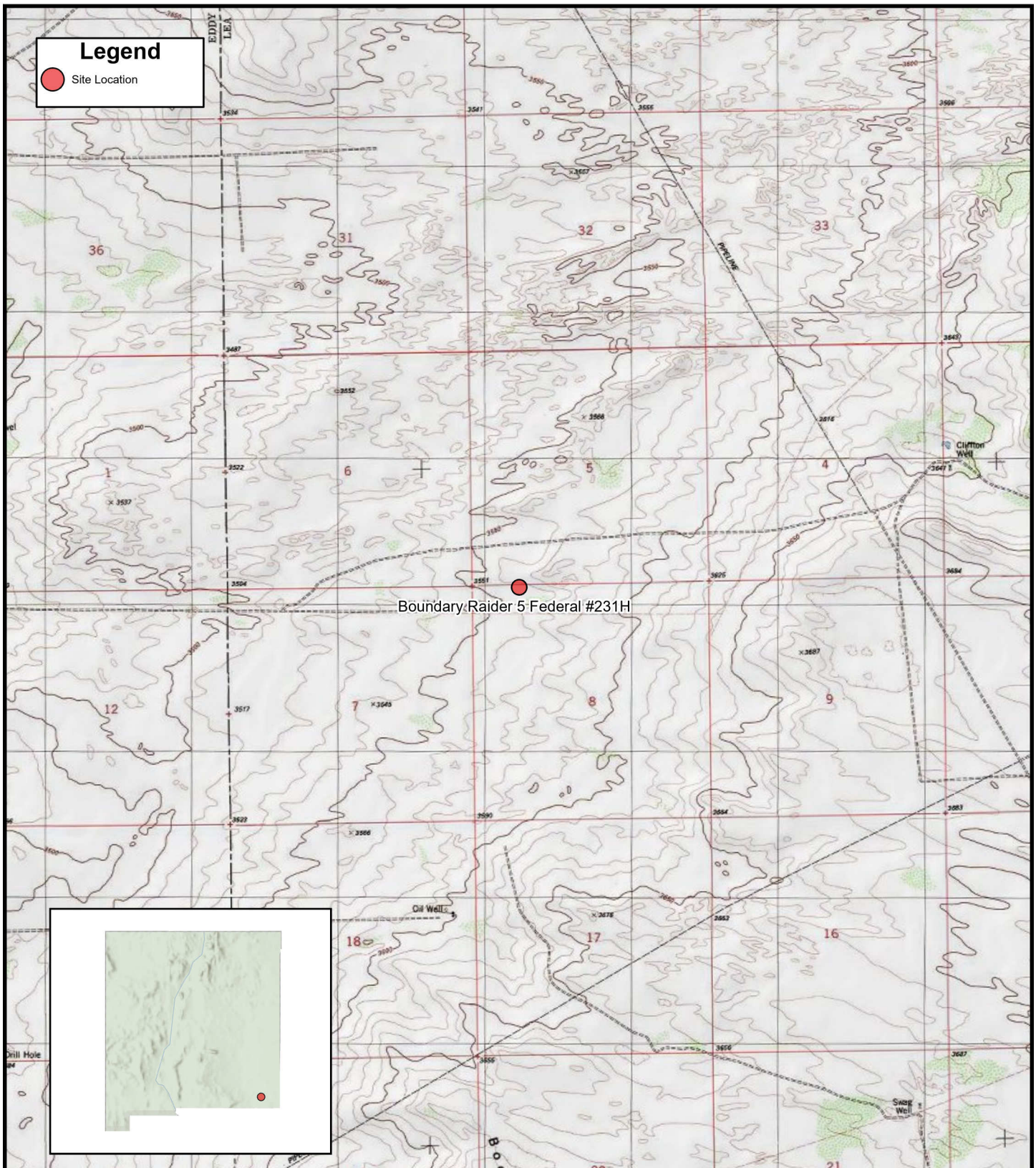
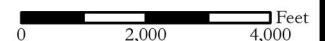


FIGURE 1

Site Location Map

Devon Energy Production Company, LP
Boundary Raider 5 Federal #231H
Unit D Sec 8 T23S R32E
Lea County, New Mexico



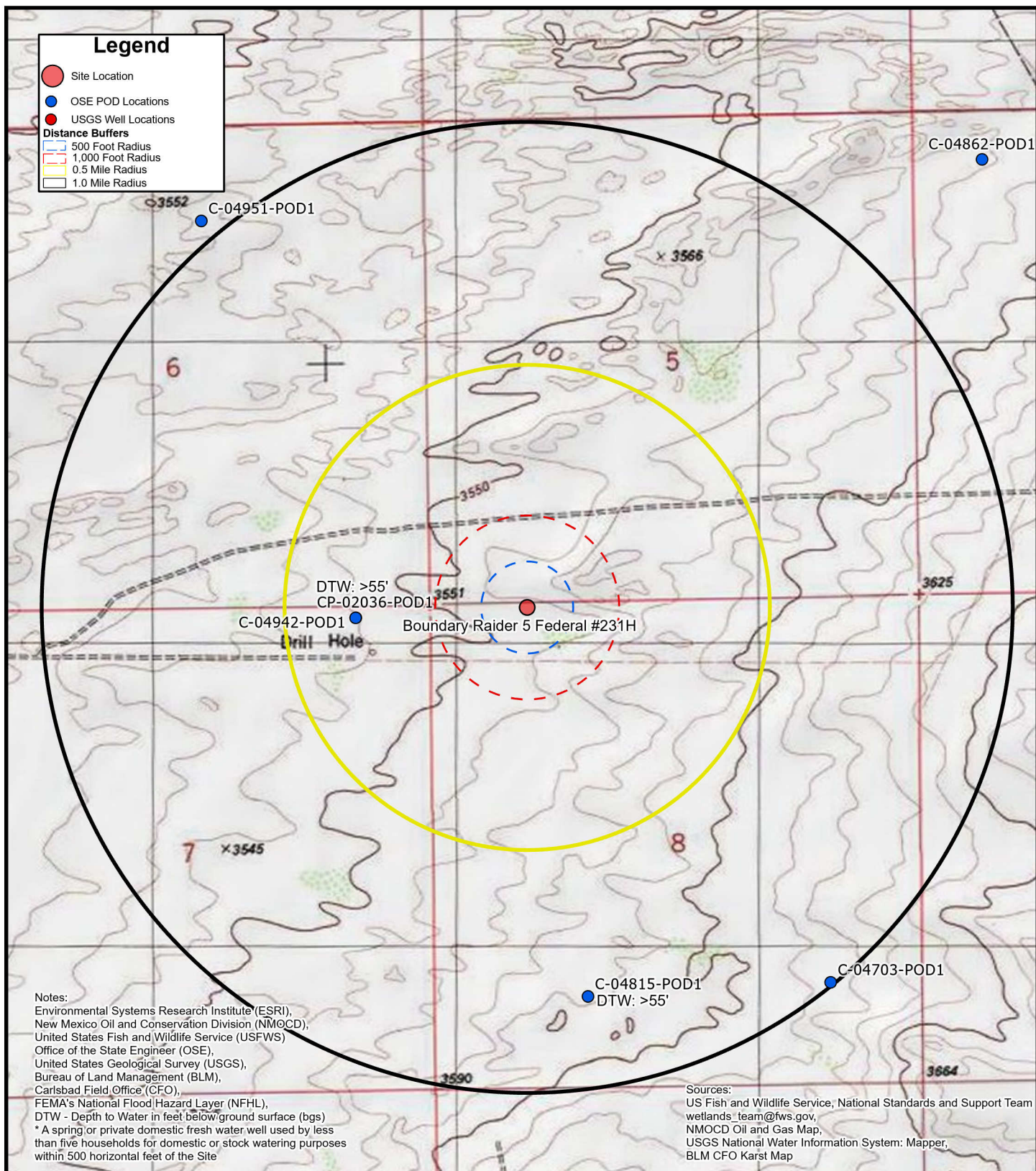
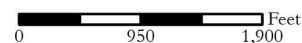


FIGURE 1A
**Site Characterization Map
Groundwater**

Devon Energy Production Company, LP
Boundary Raider 5 Federal #231H
Unit D Sec 8 T23S R32E
Lea County, New Mexico



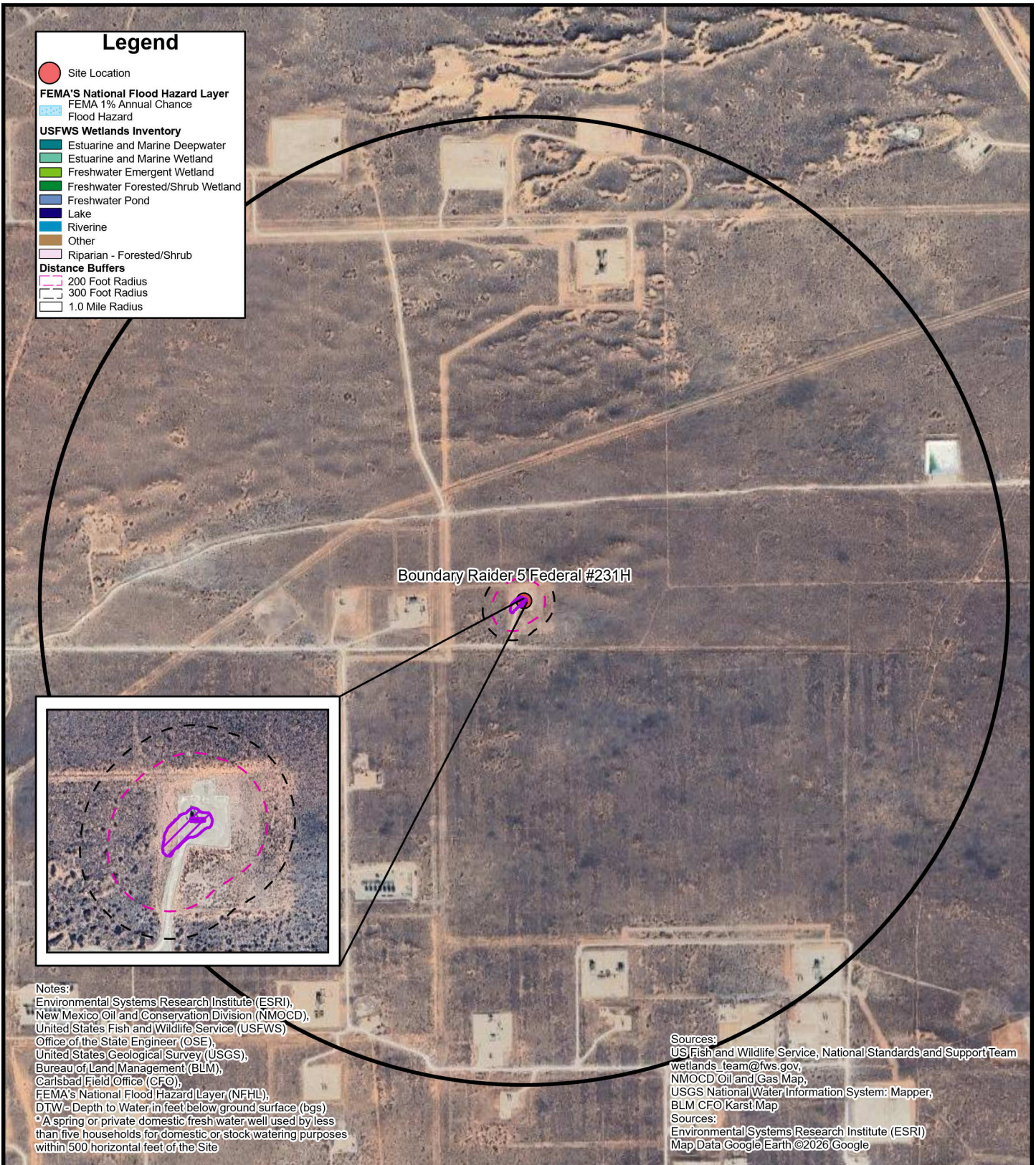
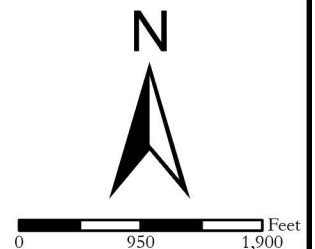


FIGURE 1B
Site Characterization Map
Surficial Receptors

Devon Energy Production Company, LP
 Boundary Raider 5 Federal #231H
 Unit D Sec 8 T23S R32E
 Lea County, New Mexico



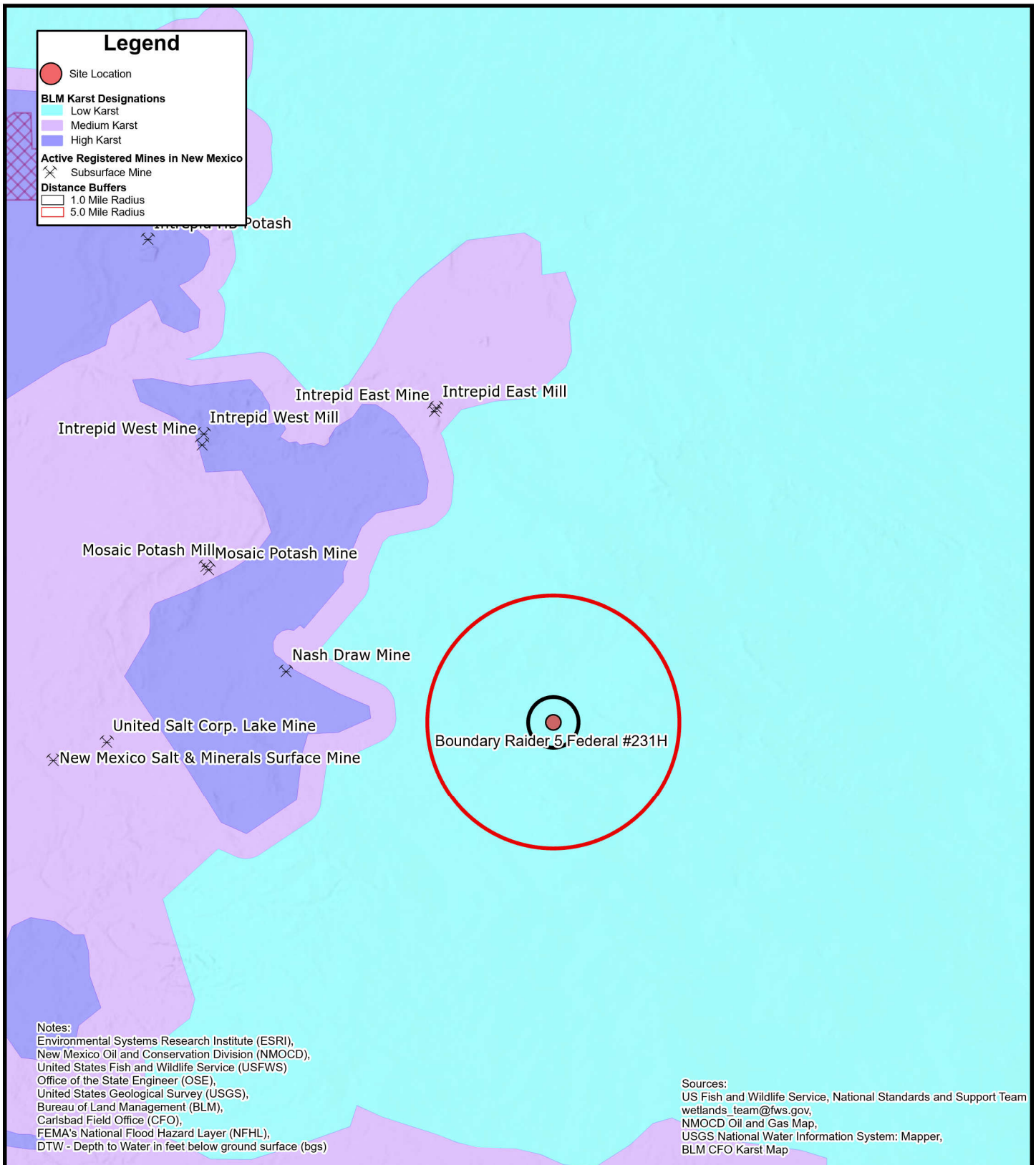
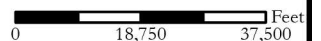


FIGURE 1C
Site Characterization Map
Subsurface Receptors

Devon Energy Production Company, LP
 Boundary Raider 5 Federal #231H
 Unit D Sec 8 T23S R32E
 Lea County, New Mexico



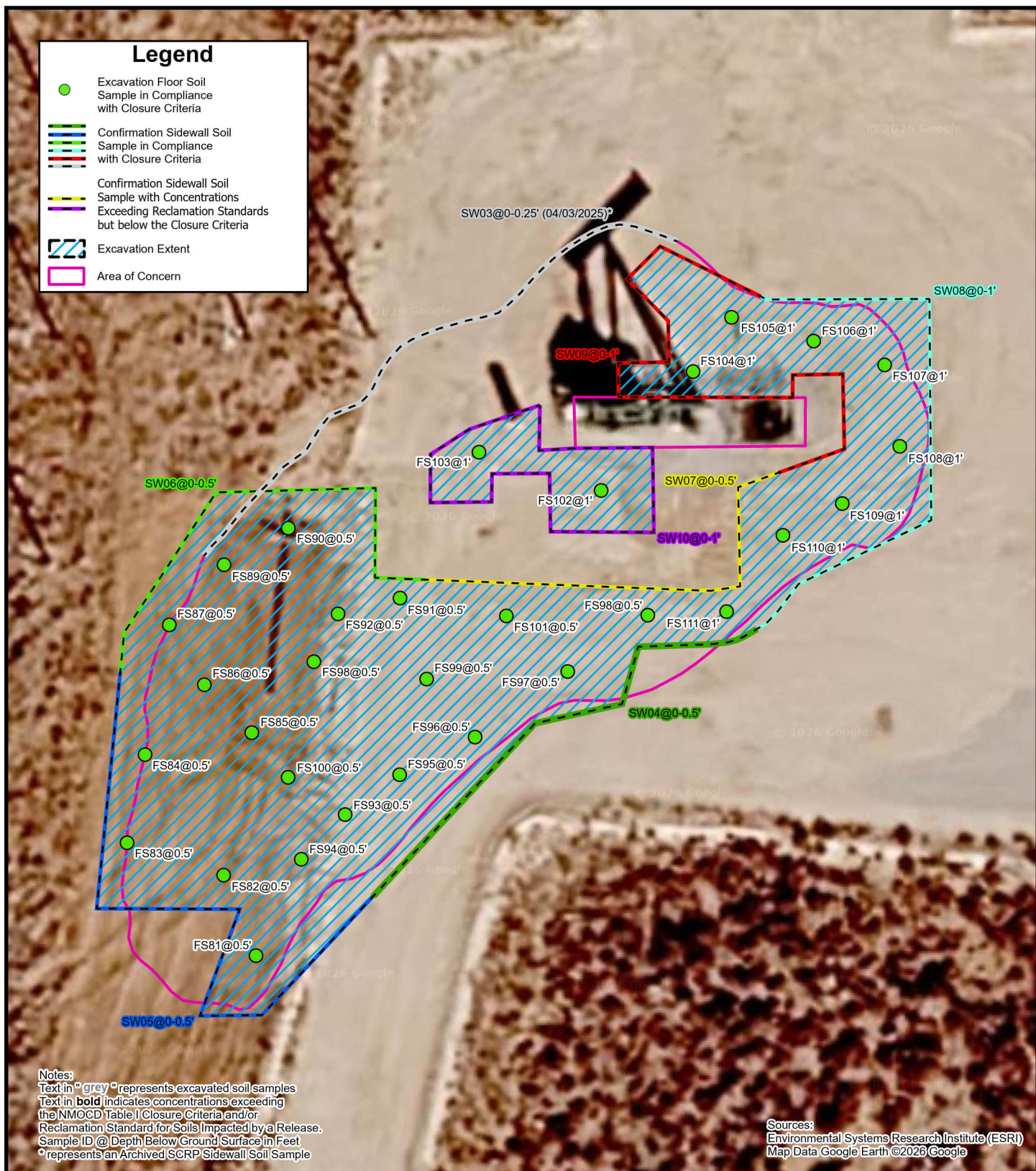
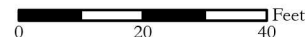


FIGURE 2

Final Confirmation Soil Sample Locations

Devon Energy Production Company, LP
 Boundary Raider 5 Federal #231H
 Unit D Sec 8 T23S R32E
 Lea County, New Mexico



| Appendix B

P.O. Box 62228 Midland TX 79711 Tel: 432-563-2200 Fax: 432-563-2213



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

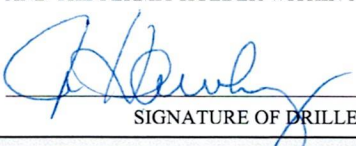
www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod 1		WELL TAG ID NO.		OSE FILE NO(S). CP-2036			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 5315 Buena Vista Drive				CITY Carlsbad	STATE NM	ZIP 88220	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 19	SECONDS 32.8	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 103	42	28.2	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE S7 T23s R32e								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862		NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 1-23-25	DRILLING ENDED 1-23-25	DEPTH OF COMPLETED WELL (FT) 55'	BORE HOLE DEPTH (FT) 55'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 1-27-25		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0'	55'	6'	No casing left in hole				
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				N/A				

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2	

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0'	15'	15'	Sand	Y ✓ N	
	15'	25'	10'	Sandy Red Clay	Y ✓ N	
	25'	30'	5'	Grey Clay	Y ✓ N	
	30'	55'	25'	Sandy Red Clay	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
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					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> OTHER - SPECIFY: DTGW Bore					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Depth to groundwater bore was gauged for water on 1-27-25. DTGW bore was dry. Temporary well casing was removed, bore hole was backfilled with drill cutting to 10' BGS. Hydrated bentonite hole plug was poured from 10' BGS to surface.	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Nathan Smelcer	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	James Hawley _____ DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2	



PLUGGING RECORD



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

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-2036-POD1

Well owner: Devon Energy Phone No.: _____

Mailing address: 5315 Buena Vista Drive

City: Carlsbad State: NM Zip code: 88220

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: H&R Enterprises, LLC.
- 2) New Mexico Well Driller License No.: WD-1862 Expiration Date: 6-16-25
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Nathan Smelcer
- 4) Date well plugging began: 1-27-25 Date well plugging concluded: 1-27-25
- 5) GPS Well Location: Latitude: 32 deg, 19 min, 32.8 sec
Longitude: 103 deg, 42 min, 28.2 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 55' ft below ground level (bgl),
by the following manner: well sounder
- 7) Static water level measured at initiation of plugging: N/A ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 11-22-24
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

| Appendix C

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PHOTOGRAPHIC LOG

Devon Energy Production Company, LP
Boundary Raider 5 Federal #231H
Incident Number: nAPP2501341167



Photograph 1 Date: 07/25/2025
Description: Southwestern view of excavation activities.



Photograph 2 Date: 07/25/2025
Description: Southeastern view of excavation activities.



Photograph 3 Date: 07/30/2025
Description: Southeastern view of excavation activities.



Photograph 4 Date: 07/30/2025
Description: Southwestern view of excavation activities.



PHOTOGRAPHIC LOG

Devon Energy Production Company, LP
Boundary Raider 5 Federal #231H
Incident Number: nAPP2501341167



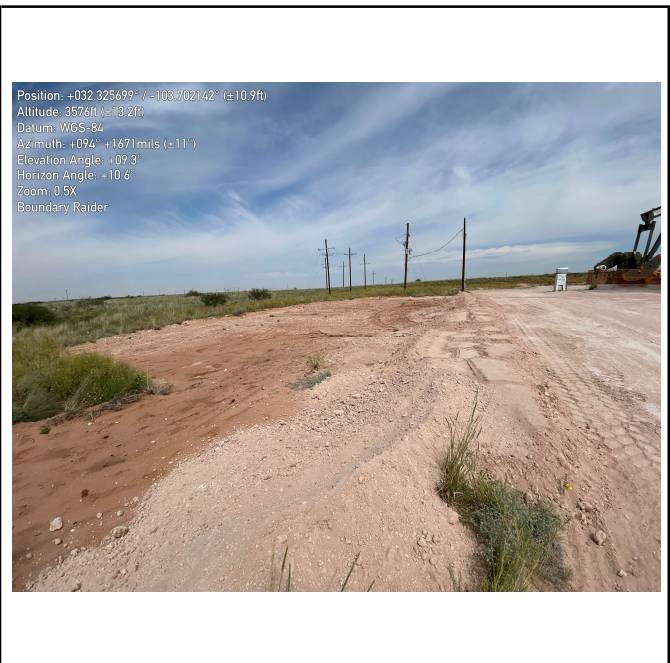
Photograph 5 Date: 09/17/2025
Description: View of backfill soil sample nutrient test results.



Photograph 6 Date: 09/17/2025
Description: View of backfill soil sample nutrient test results.



Photograph 7 Date: 09/17/2025
Description: View of completed restoration activities.



Photograph 8 Date: 09/17/2025
Description: View of completed restoration activities.

| Appendix D

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Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Devon Energy Permian Co, LP
Boundary Raider 5 Federal #231H
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Final Confirmation Soil Samples - Incident Number nAPP2501341167										
FS81*	07/30/2025	0.5	<0.0250	0.0255	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS82*	07/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS83*	07/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS84*	07/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS85*	07/30/2025	0.5	<0.0250	0.0272	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS86*	07/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS87*	07/30/2025	0.5	<0.0250	0.0333	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS88*	07/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS89*	07/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS90*	07/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS91	07/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS92*	07/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	35.0
FS93*	07/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	54.3
FS94*	07/30/2025	0.5	<0.0250	0.0504	<20.0	<25.0	<50.0	<25.0	<50.0	36.5
FS95	07/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	697
FS96	07/30/2025	0.5	<0.0250	0.0542	<20.0	<25.0	<50.0	<25.0	<50.0	865
FS97	07/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	521
FS98	07/30/2025	0.5	<0.0250	<0.0500	<20.0	137	90.1	137	227	90.1
FS99	07/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	755
FS100*	07/30/2025	0.5	<0.0250	0.0254	<20.0	26.7	<50.0	26.7	26.7	34.6
FS101	07/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	784
FS102	07/30/2025	1	<0.0250	<0.0500	<20.0	92.2	58.4	92.2	151	816
FS103	07/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	466
FS104	07/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,560
FS105	07/30/2025	1	<0.0250	<0.0500	<20.0	100	104	100	204	572
FS106	07/30/2025	1	<0.0250	<0.0500	<20.0	137	198	137	335	851
FS107	07/30/2025	1	<0.0250	<0.0500	<20.0	28.3	<50.0	28.3	28.3	736
FS108	07/30/2025	1	<0.0250	<0.0500	<20.0	415	184	415	599	146
FS109	07/30/2025	1	<0.0250	<0.0500	<20.0	819	345	819	1,164	224
FS110	07/30/2025	1	<0.0250	<0.0500	<20.0	75.3	58.7	75.3	134	279
FS111	08/15/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	43.2



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Devon Energy Permian Co, LP
Boundary Raider 5 Federal #231H
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCDC Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
SW04	08/15/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	47.7
SW05	07/30/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.0
SW06	07/30/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW07	07/30/2025	0-0.5	<0.0250	<0.0500	<20.0	134	146	134	280	352
SW08	07/30/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	253
SW09	07/30/2025	0-1	<0.0250	0.0283	<20.0	<25.0	<50.0	<25.0	<50.0	277
SW10	07/30/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	634
Backfill Soil Samples										
STK01	09/11/2025	N/A	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
STKP02	09/11/2025	N/A	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:
 bgs: below ground surface
 N/A: Not applicable
 mg/kg: milligrams per kilogram
 Closure Criteria Not Established
 BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
 GRO: Gasoline Range Organics
 DRO: Diesel Range Organics
 ORO: Oil Range Organics
 TPH: Total Petroleum Hydrocarbon
 NMOCDC: New Mexico Oil Conservation Division
 NMAC: New Mexico Administrative Code
 Text in "grey" represents excavated soil samples
 Concentrations in **bold** exceed the NMOCDC Table I Closure Criteria and/or Reclamation Standard* for Soils Impacted by a Release
 * * The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.



**Table 2
SOIL SAMPLE FIELD SCREENING RESULTS
Devon Energy Production Company, LP
Boundary Raider 5 Federal #231H
Lea County, New Mexico**

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Nitrogen	Potash	Phosphorous	PH (ppm)	Chloride (ppm)
Restoration Soil Samples - Incident Number nAPP2501341167							
BG01	09/17/2025	0-0.25	Very Low	Low	Low	7.5	<128
SC01	09/17/2025	N/A	Very Low	Low	Low	7.5	<128
SC02	09/17/2025	N/A	Very Low	Low	Low	7.5	<128

Notes:

bgs: below ground surface

N/A: Not applicable

ppm: parts per million

"-" symbol: sample depth is not applicable

| Appendix E

P.O. Box 62228 Midland TX 79711 Tel: 432-563-2200 Fax: 432-563-2213

Report to:
Anna Byers



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Boundary Raider 5 Federal #231H

Work Order: E508015

Job Number: 01058-0007

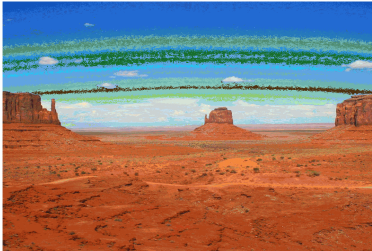
Received: 8/4/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/8/25

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.



5796 U.S. Hwy 64
Farmington, NM 87401

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





Date Reported: 8/8/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Boundary Raider 5 Federal #231H
Workorder: E508015
Date Received: 8/4/2025 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/4/2025 7:30:00AM, under the Project Name: Boundary Raider 5 Federal #231H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 5 Federal #231H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

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

Project Name: Boundary Raider 5 Federal #231H
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
08/08/25 16:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS81 0.5'	E508015-01A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS82 0.5'	E508015-02A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS83 0.5'	E508015-03A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS84 0.5'	E508015-04A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS85 0.5'	E508015-05A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS86 0.5'	E508015-06A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS87 0.5'	E508015-07A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS88 0.5'	E508015-08A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS89 0.5'	E508015-09A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS90 0.5'	E508015-10A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS91 0.5'	E508015-11A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS92 0.5'	E508015-12A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS93 0.5'	E508015-13A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS94 0.5'	E508015-14A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS95 0.5'	E508015-15A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS96 0.5'	E508015-16A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS97 0.5'	E508015-17A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS98 0.5'	E508015-18A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS99 0.5'	E508015-19A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS100 0.5'	E508015-20A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 4:58:01PM
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FS81 0.5'

E508015-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: BA		Batch: 2532039
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	0.0255	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.3 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2532039
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.0 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KH		Batch: 2532058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>		99.9 %	61-141	08/05/25	08/06/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: IY		Batch: 2532071
Chloride	ND	20.0	1	08/06/25	08/06/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 4:58:01PM
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FS82 0.5'

E508015-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.7 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.3 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>						
		98.6 %	61-141	08/05/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532071
Chloride	ND	20.0	1	08/06/25	08/06/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 4:58:01PM
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FS83 0.5'

E508015-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.4 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.8 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>						
		100 %	61-141	08/05/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532071
Chloride	ND	20.0	1	08/06/25	08/06/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 4:58:01PM
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FS84 0.5'

E508015-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.3 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.9 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	08/05/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532071
Chloride	ND	20.0	1	08/06/25	08/06/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 4:58:01PM
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FS85 0.5'

E508015-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	0.0272	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.6 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.1 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>						
		100 %	61-141	08/05/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532071
Chloride	ND	20.0	1	08/06/25	08/06/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 4:58:01PM
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FS86 0.5'

E508015-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.2 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.6 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2532058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>		97.7 %	61-141	08/05/25	08/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2532071
Chloride	ND	20.0	1	08/06/25	08/06/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 4:58:01PM
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FS87 0.5'

E508015-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	0.0333	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.2 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.5 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2532058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	08/05/25	08/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2532071
Chloride	ND	20.0	1	08/06/25	08/06/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 4:58:01PM
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FS88 0.5'

E508015-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.8 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.0 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2532058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	08/05/25	08/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2532071
Chloride	ND	20.0	1	08/06/25	08/06/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 4:58:01PM
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FS89 0.5'

E508015-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.1 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.6 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2532058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	08/05/25	08/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2532071
Chloride	ND	20.0	1	08/06/25	08/06/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 4:58:01PM
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FS90 0.5'

E508015-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.0 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.2 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2532058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	08/05/25	08/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2532071
Chloride	ND	20.0	1	08/06/25	08/06/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 4:58:01PM
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FS91 0.5'

E508015-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.0 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.7 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>						
		97.4 %	61-141	08/05/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532071
Chloride	ND	20.0	1	08/06/25	08/06/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 4:58:01PM
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FS92 0.5'

E508015-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.7 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.7 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2532058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>		109 %	61-141	08/05/25	08/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2532071
Chloride	35.0	20.0	1	08/06/25	08/06/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 4:58:01PM
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FS93 0.5'

E508015-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.3 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.7 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2532058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	08/05/25	08/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2532071
Chloride	54.3	20.0	1	08/06/25	08/06/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 4:58:01PM
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FS94 0.5'

E508015-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	0.0504	0.0500	1	08/05/25	08/07/25	
Total Xylenes	0.0504	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.1 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.4 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2532058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	08/05/25	08/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2532071
Chloride	36.5	20.0	1	08/06/25	08/07/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 4:58:01PM
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FS95 0.5'

E508015-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.5 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.0 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2532058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	08/05/25	08/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2532071
Chloride	697	20.0	1	08/06/25	08/07/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 4:58:01PM
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FS96 0.5'

E508015-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	0.0542	0.0500	1	08/05/25	08/07/25	
Total Xylenes	0.0542	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.1 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2532058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	08/05/25	08/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2532071
Chloride	865	20.0	1	08/06/25	08/07/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 4:58:01PM
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FS97 0.5'

E508015-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.8 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.5 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2532058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>		97.8 %	61-141	08/05/25	08/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2532071
Chloride	521	20.0	1	08/06/25	08/07/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 4:58:01PM
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FS98 0.5'

E508015-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.0 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.6 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2532058
Diesel Range Organics (C10-C28)	137	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	90.1	50.0	1	08/05/25	08/07/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532071
Chloride	90.1	20.0	1	08/06/25	08/07/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 4:58:01PM
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FS99 0.5'

E508015-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.2 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.2 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2532058
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
<i>Surrogate: n-Nonane</i>		99.1 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2532071
Chloride	755	20.0	1	08/06/25	08/07/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 4:58:01PM
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FS100 0.5'

E508015-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	0.0254	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.6 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532039
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.1 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532058
Diesel Range Organics (C10-C28)	26.7	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532071
Chloride	34.6	20.0	1	08/06/25	08/07/25	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 4:58:01PM
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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 (2532039-BLK1)

Prepared: 08/05/25 Analyzed: 08/07/25

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	7.52		8.00		94.0	70-130			

LCS (2532039-BS1)

Prepared: 08/05/25 Analyzed: 08/07/25

Benzene	5.25	0.0250	5.00		105	70-130			
Ethylbenzene	5.08	0.0250	5.00		102	70-130			
Toluene	5.17	0.0250	5.00		103	70-130			
o-Xylene	5.15	0.0250	5.00		103	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.1	70-130			

Matrix Spike (2532039-MS1)

Source: E508015-03

Prepared: 08/05/25 Analyzed: 08/07/25

Benzene	5.04	0.0250	5.00	ND	101	70-130			
Ethylbenzene	4.87	0.0250	5.00	ND	97.4	70-130			
Toluene	4.98	0.0250	5.00	ND	99.6	70-130			
o-Xylene	4.92	0.0250	5.00	ND	98.4	70-130			
p,m-Xylene	9.83	0.0500	10.0	ND	98.3	70-130			
Total Xylenes	14.7	0.0250	15.0	ND	98.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.75		8.00		96.8	70-130			

Matrix Spike Dup (2532039-MSD1)

Source: E508015-03

Prepared: 08/05/25 Analyzed: 08/07/25

Benzene	5.25	0.0250	5.00	ND	105	70-130	4.10	27	
Ethylbenzene	5.11	0.0250	5.00	ND	102	70-130	4.74	26	
Toluene	5.20	0.0250	5.00	ND	104	70-130	4.25	20	
o-Xylene	5.16	0.0250	5.00	ND	103	70-130	4.71	25	
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130	4.69	23	
Total Xylenes	15.5	0.0250	15.0	ND	103	70-130	4.70	26	
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.2	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 4:58:01PM
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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 (2532039-BLK1)

Prepared: 08/05/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.7	70-130			

LCS (2532039-BS2)

Prepared: 08/05/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	56.7	20.0	50.0		113	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.3	70-130			

Matrix Spike (2532039-MS2)

Source: E508015-03

Prepared: 08/05/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	57.7	20.0	50.0	ND	115	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.3	70-130			

Matrix Spike Dup (2532039-MSD2)

Source: E508015-03

Prepared: 08/05/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	53.9	20.0	50.0	ND	108	70-130	6.87	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.30		8.00		91.2	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 4:58:01PM
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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 (2532058-BLK1)

Prepared: 08/05/25 Analyzed: 08/06/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.8		50.0		99.7	61-141			

LCS (2532058-BS1)

Prepared: 08/05/25 Analyzed: 08/06/25

Diesel Range Organics (C10-C28)	263	25.0	250		105	66-144			
Surrogate: n-Nonane	49.4		50.0		98.7	61-141			

Matrix Spike (2532058-MS1)

Source: E508015-18

Prepared: 08/05/25 Analyzed: 08/06/25

Diesel Range Organics (C10-C28)	400	25.0	250	137	105	56-156			
Surrogate: n-Nonane	49.7		50.0		99.3	61-141			

Matrix Spike Dup (2532058-MSD1)

Source: E508015-18

Prepared: 08/05/25 Analyzed: 08/06/25

Diesel Range Organics (C10-C28)	364	25.0	250	137	90.8	56-156	9.49	20	
Surrogate: n-Nonane	49.2		50.0		98.4	61-141			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 4:58:01PM
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Anions by EPA 300.0/9056A

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 (2532071-BLK1)

Prepared: 08/06/25 Analyzed: 08/06/25

Chloride	ND	20.0							
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LCS (2532071-BS1)

Prepared: 08/06/25 Analyzed: 08/08/25

Chloride	255	20.0	250		102	90-110			
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Matrix Spike (2532071-MS1)

Source: E508015-03

Prepared: 08/06/25 Analyzed: 08/06/25

Chloride	287	20.0	250	ND	115	80-120			
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Matrix Spike Dup (2532071-MSD1)

Source: E508015-03

Prepared: 08/06/25 Analyzed: 08/06/25

Chloride	287	20.0	250	ND	115	80-120	0.180	20	
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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 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 08/08/25 16:58
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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.



Client Information				Invoice Information				Lab Use Only				TAT				State			
Project: Boundary Raider 5 Federal #231H				Company: Devon Energy Production Co.				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Manager: Anna Byers				Address: 5315 Buena Vista Dr.				E508015		01058-0007					x	x			
Etech Project #: 21689				City, State, Zip: Carlsbad, NM, 88220															
Address: 13000 W County Rd 100				Phone: 575-885-7502															
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@dvn.com															
Phone: 432-305-6415				Miscellaneous: WO#:21483855, Incident ID:															
Email: NMTXGeoGroup@etechenv.com				nAPP2501341167, Project Number:21689															
Sample Information							Analysis and Method								EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
8:50	07.30.25	S	1	FS81	0.5'	1								X					
8:53	07.30.25	S	1	FS82	0.5'	2								X					
8:56	07.30.25	S	1	FS83	0.5'	3								X					
8:59	07.30.25	S	1	FS84	0.5'	4								X					
9:02	07.30.25	S	1	FS85	0.5'	5								X					
9:05	07.30.25	S	1	FS86	0.5'	6								X					
9:08	07.30.25	S	1	FS87	0.5'	7								X					
9:11	07.30.25	S	1	FS88	0.5'	8								X					
9:14	07.30.25	S	1	FS89	0.5'	9								X					
9:17	07.30.25	S	1	FS90	0.5'	10								X					
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: Haleigh Blume																			
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 on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N			
<i>Haley Blume</i>				07/12/25		1415		<i>Michelle Gonzales</i>				8-1-25		1030					
<i>Michelle Gonzales</i>				8-1-25		1415		<i>Marissa Gonzales</i>				8-1-25		1415					
<i>Marissa Gonzales</i>				8-1-25		2200		<i>Caitlynn</i>				8-4-25		730					
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time					
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Client Information				Invoice Information				Lab Use Only				TAT				State			
Project: Boundary Raider 5 Federal #231H				Company: Devon Energy Production Co.				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Manager: Anna Byers				Address: 5315 Buena Vista Dr.				E50805		D058-0007					x	x			
Etech Project #: 21689				City, State, Zip: Carlsbad, NM, 88220															
Address: 13000 W County Rd 100				Phone: 575-885-7502															
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@dvn.com															
Phone: 432-305-6415				Miscellaneous: WO#:21483855, Incident ID:															
Email: NMTXGeoGroup@etechenv.com				nAPP2501341167, Project Number:21689															
Sample Information										Analysis and Method						EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005-TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
9:20	07.30.25	S	1	FS91	0.5'	11								X					
9:22	07.30.25	S	1	FS92	0.5'	12								X					
9:24	07.30.25	S	1	FS93	0.5'	13								X					
9:26	07.30.25	S	1	FS94	0.5'	14								X					
9:28	07.30.25	S	1	FS95	0.5'	15								X					
9:30	07.30.25	S	1	FS96	0.5'	16								X					
9:35	07.30.25	S	1	FS97	0.5'	17								X					
9:40	07.30.25	S	1	FS98	0.5'	18								X					
9:45	07.30.25	S	1	FS99	0.5'	19								X					
9:50	07.30.25	S	1	FS100	0.5'	20								X					
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: Haleigh Blume																			
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 on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 8/4/2025 8:46:35AM

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:	08/04/25 07:30	Work Order ID:	E508015
Phone:	(575) 748-0176	Date Logged In:	08/01/25 15:27	Logged In By:	Caitlin Mars
Email:	anna@etechnv.com	Due Date:	08/08/25 07:00 (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

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

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? Yes

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Comments/Resolution

Client name not provided on COC.

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

Date



envirotech Inc.

Report to:
Anna Byers



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Boundary Raider 5 Federal #231H

Work Order: E508007

Job Number: 01058-0007

Received: 8/4/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/8/25

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.



5796 U.S. Hwy 64
Farmington, NM 87401

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



Date Reported: 8/8/25



Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Boundary Raider 5 Federal #231H
Workorder: E508007
Date Received: 8/4/2025 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/4/2025 7:30:00AM, under the Project Name: Boundary Raider 5 Federal #231H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 5 Federal #231H 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
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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 08/08/25 15:46
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS101 0.5'	E508007-01A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS102 1'	E508007-02A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS103 1'	E508007-03A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS104 1'	E508007-04A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS105 1'	E508007-05A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS106 1'	E508007-06A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS107 1'	E508007-07A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS108 1'	E508007-08A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS109 1'	E508007-09A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
FS110 1'	E508007-10A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 3:46:03PM
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FS101 0.5'
E508007-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532031
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: Bromofluorobenzene</i>		96.0 %	70-130	08/05/25	08/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	08/05/25	08/07/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: Bromofluorobenzene</i>		96.0 %	70-130	08/05/25	08/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	08/05/25	08/07/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532093
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/25	08/07/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	08/07/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2532022
Chloride	784	20.0	1	08/04/25	08/05/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 3:46:03PM
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FS102 1'
E508007-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532031
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	08/05/25	08/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.6 %	70-130	08/05/25	08/07/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	08/05/25	08/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.6 %	70-130	08/05/25	08/07/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532093
Diesel Range Organics (C10-C28)	92.2	25.0	1	08/07/25	08/07/25	
Oil Range Organics (C28-C36)	58.4	50.0	1	08/07/25	08/07/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	08/07/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2532022
Chloride	816	20.0	1	08/04/25	08/05/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 3:46:03PM
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FS103 1'

E508007-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532031
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: Bromofluorobenzene</i>		93.0 %	70-130	08/05/25	08/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	08/05/25	08/07/25	
<i>Surrogate: Toluene-d8</i>		99.9 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: Bromofluorobenzene</i>		93.0 %	70-130	08/05/25	08/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	08/05/25	08/07/25	
<i>Surrogate: Toluene-d8</i>		99.9 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532093
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/25	08/07/25	
<i>Surrogate: n-Nonane</i>		98.6 %	61-141	08/07/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2532022
Chloride	466	20.0	1	08/04/25	08/05/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 3:46:03PM
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FS104 1'

E508007-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532031
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: Bromofluorobenzene</i>		97.3 %	70-130	08/05/25	08/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	08/05/25	08/07/25	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: Bromofluorobenzene</i>		97.3 %	70-130	08/05/25	08/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	08/05/25	08/07/25	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532093
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/25	08/07/25	
<i>Surrogate: n-Nonane</i>		109 %	61-141	08/07/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2532022
Chloride	1560	20.0	1	08/04/25	08/05/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 3:46:03PM
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FS105 1'
E508007-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2532031
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: Bromofluorobenzene</i>		97.0 %	70-130	08/05/25	08/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	08/05/25	08/07/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: Bromofluorobenzene</i>		97.0 %	70-130	08/05/25	08/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	08/05/25	08/07/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2532093
Diesel Range Organics (C10-C28)	100	25.0	1	08/07/25	08/07/25	
Oil Range Organics (C28-C36)	104	50.0	1	08/07/25	08/07/25	
<i>Surrogate: n-Nonane</i>		97.7 %	61-141	08/07/25	08/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532022
Chloride	572	20.0	1	08/04/25	08/05/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 3:46:03PM
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FS106 1'

E508007-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2532031
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: Bromofluorobenzene</i>		95.5 %	70-130	08/05/25	08/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	70-130	08/05/25	08/07/25	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: Bromofluorobenzene</i>		95.5 %	70-130	08/05/25	08/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	70-130	08/05/25	08/07/25	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2532093
Diesel Range Organics (C10-C28)	137	25.0	1	08/07/25	08/07/25	
Oil Range Organics (C28-C36)	198	50.0	1	08/07/25	08/07/25	
<i>Surrogate: n-Nonane</i>		99.4 %	61-141	08/07/25	08/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532022
Chloride	851	20.0	1	08/04/25	08/05/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 3:46:03PM
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FS107 1'

E508007-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532031
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %	70-130	08/05/25	08/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	08/05/25	08/07/25	
<i>Surrogate: Toluene-d8</i>		99.1 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %	70-130	08/05/25	08/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	08/05/25	08/07/25	
<i>Surrogate: Toluene-d8</i>		99.1 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532093
Diesel Range Organics (C10-C28)	28.3	25.0	1	08/07/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/25	08/07/25	
<i>Surrogate: n-Nonane</i>		96.4 %	61-141	08/07/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2532022
Chloride	736	20.0	1	08/04/25	08/05/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 3:46:03PM
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FS108 1'

E508007-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2532031
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	08/05/25	08/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %	70-130	08/05/25	08/07/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	08/05/25	08/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %	70-130	08/05/25	08/07/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2532093
Diesel Range Organics (C10-C28)	415	25.0	1	08/07/25	08/07/25	
Oil Range Organics (C28-C36)	184	50.0	1	08/07/25	08/07/25	
<i>Surrogate: n-Nonane</i>		95.2 %	61-141	08/07/25	08/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532022
Chloride	146	20.0	1	08/04/25	08/06/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 3:46:03PM
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FS109 1'
E508007-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2532031
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: Bromofluorobenzene</i>		94.9 %	70-130	08/05/25	08/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	08/05/25	08/07/25	
<i>Surrogate: Toluene-d8</i>		99.1 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: Bromofluorobenzene</i>		94.9 %	70-130	08/05/25	08/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	08/05/25	08/07/25	
<i>Surrogate: Toluene-d8</i>		99.1 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2532093
Diesel Range Organics (C10-C28)	819	25.0	1	08/07/25	08/07/25	
Oil Range Organics (C28-C36)	345	50.0	1	08/07/25	08/07/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	08/07/25	08/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532022
Chloride	224	20.0	1	08/04/25	08/06/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 3:46:03PM
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FS110 1'

E508007-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2532031
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	08/05/25	08/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	70-130	08/05/25	08/07/25	
<i>Surrogate: Toluene-d8</i>		98.3 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	08/05/25	08/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	70-130	08/05/25	08/07/25	
<i>Surrogate: Toluene-d8</i>		98.3 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2532093
Diesel Range Organics (C10-C28)	75.3	25.0	1	08/07/25	08/07/25	
Oil Range Organics (C28-C36)	58.7	50.0	1	08/07/25	08/07/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	08/07/25	08/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2532022
Chloride	279	20.0	1	08/04/25	08/06/25	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 3:46:03PM
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Volatile Organic Compounds by EPA 8260B

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 (2532031-BLK1)

Prepared: 08/05/25 Analyzed: 08/07/25

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	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.542		0.500		108	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

LCS (2532031-BS1)

Prepared: 08/05/25 Analyzed: 08/07/25

Benzene	2.23	0.0250	2.50		89.2	70-130			
Ethylbenzene	2.36	0.0250	2.50		94.2	70-130			
Toluene	2.38	0.0250	2.50		95.3	70-130			
o-Xylene	2.25	0.0250	2.50		89.9	70-130			
p,m-Xylene	4.59	0.0500	5.00		91.7	70-130			
Total Xylenes	6.83	0.0250	7.50		91.1	70-130			
Surrogate: Bromofluorobenzene	0.483		0.500		96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

Matrix Spike (2532031-MS1)

Source: E508007-05

Prepared: 08/05/25 Analyzed: 08/07/25

Benzene	2.26	0.0250	2.50	ND	90.3	48-131			
Ethylbenzene	2.41	0.0250	2.50	ND	96.5	45-135			
Toluene	2.40	0.0250	2.50	ND	95.9	48-130			
o-Xylene	2.28	0.0250	2.50	ND	91.2	43-135			
p,m-Xylene	4.60	0.0500	5.00	ND	92.1	43-135			
Total Xylenes	6.89	0.0250	7.50	ND	91.8	43-135			
Surrogate: Bromofluorobenzene	0.483		0.500		96.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.521		0.500		104	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

Matrix Spike Dup (2532031-MSD1)

Source: E508007-05

Prepared: 08/05/25 Analyzed: 08/07/25

Benzene	2.27	0.0250	2.50	ND	90.7	48-131	0.442	23	
Ethylbenzene	2.42	0.0250	2.50	ND	96.9	45-135	0.455	27	
Toluene	2.38	0.0250	2.50	ND	95.1	48-130	0.901	24	
o-Xylene	2.43	0.0250	2.50	ND	97.2	43-135	6.33	27	
p,m-Xylene	4.89	0.0500	5.00	ND	97.9	43-135	6.09	27	
Total Xylenes	7.32	0.0250	7.50	ND	97.6	43-135	6.17	27	
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 3:46:03PM
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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 (2532031-BLK1)

Prepared: 08/05/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.542		0.500		108	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

LCS (2532031-BS2)

Prepared: 08/05/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	55.5	20.0	50.0		111	70-130			
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

Matrix Spike (2532031-MS2)

Source: E508007-05

Prepared: 08/05/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	54.3	20.0	50.0	ND	109	70-130			
Surrogate: Bromofluorobenzene	0.485		0.500		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

Matrix Spike Dup (2532031-MSD2)

Source: E508007-05

Prepared: 08/05/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	58.0	20.0	50.0	ND	116	70-130	6.49	20	
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 3:46:03PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

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 (2532093-BLK1)

Prepared: 08/07/25 Analyzed: 08/07/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.2		50.0		94.4	61-141			

LCS (2532093-BS1)

Prepared: 08/07/25 Analyzed: 08/07/25

Diesel Range Organics (C10-C28)	261	25.0	250		105	66-144			
Surrogate: n-Nonane	50.1		50.0		100	61-141			

Matrix Spike (2532093-MS1)

Source: E508007-02

Prepared: 08/07/25 Analyzed: 08/07/25

Diesel Range Organics (C10-C28)	348	25.0	250	92.2	102	56-156			
Surrogate: n-Nonane	49.9		50.0		99.8	61-141			

Matrix Spike Dup (2532093-MSD1)

Source: E508007-02

Prepared: 08/07/25 Analyzed: 08/07/25

Diesel Range Organics (C10-C28)	347	25.0	250	92.2	102	56-156	0.238	20	
Surrogate: n-Nonane	45.2		50.0		90.4	61-141			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 3:46:03PM
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Anions by EPA 300.0/9056A

Analyst: JM

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 (2532022-BLK1)

Prepared: 08/04/25 Analyzed: 08/05/25

Chloride	ND	20.0							
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LCS (2532022-BS1)

Prepared: 08/04/25 Analyzed: 08/06/25

Chloride	253	20.0	250		101	90-110			
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Matrix Spike (2532022-MS1)

Source: E508007-04

Prepared: 08/04/25 Analyzed: 08/05/25

Chloride	1930	20.0	250	1560	146	80-120			M4
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Matrix Spike Dup (2532022-MSD1)

Source: E508007-04

Prepared: 08/04/25 Analyzed: 08/05/25

Chloride	2250	20.0	250	1560	275	80-120	15.5	20	M4
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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 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	08/08/25 15:46

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

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.



Client Information				Invoice Information			Lab Use Only				TAT				State				
Project: Boundary Raider 5 Federal #231H				Company: Devon Energy Production Co.			Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX	
Project Manager: Anna Byers				Address: 5315 Buena Vista Dr.			E508007		010580007					x	x				
Etech Project #: 21689				City, State, Zip: Carlsbad, NM, 88220															
Address: 13000 W County Rd 100				Phone: 575-885-7502															
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@dvn.com															
Phone: 432-305-6415				Miscellaneous: WO#:21483855, Incident ID:															
Email: NMTXGeoGroup@etechnv.com				nAPP2501341167, Project Number:21689															
Sample Information							Analysis and Method							EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
9:55	07.30.25	S	1	FS101	0.5'	1								X					
13:13	07.30.25	S	1	FS102	1'	2								X					
13:16	07.30.25	S	1	FS103	1'	3								X					
13:19	07.30.25	S	1	FS104	1'	4								X					
13:22	07.30.25	S	1	FS105	1'	5								X					
13:25	07.30.25	S	1	FS106	1'	6								X					
13:28	07.30.25	S	1	FS107	1'	7								X					
13:31	07.30.25	S	1	FS108	1'	8								X					
13:34	07.30.25	S	1	FS109	1'	9								X					
13:37	07.30.25	S	1	FS110	1'	10								X					
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: Haleigh Blume																			
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 on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 8/4/2025 8:16:29AM

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:	08/04/25 07:30	Work Order ID:	E508007
Phone:	(575) 748-0176	Date Logged In:	08/01/25 14:51	Logged In By:	Caitlin Mars
Email:	anna@etechnv.com	Due Date:	08/08/25 07:00 (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

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

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? Yes

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Client name not provided on COC.

Client Instruction

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

Date



envirotech Inc.

Report to:
Anna Byers



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Boundary Raider 5 Federal #231H

Work Order: E508189

Job Number: 01058-0007

Received: 8/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/18/25

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.



5796 U.S. Hwy 64
Farmington, NM 87401

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



Date Reported: 8/18/25



Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Boundary Raider 5 Federal #231H
Workorder: E508189
Date Received: 8/16/2025 8:15:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/16/2025 8:15:00AM, under the Project Name: Boundary Raider 5 Federal #231H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 5 Federal #231H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 08/18/25 17:01
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS111 0.5'	E508189-01A	Soil	08/15/25	08/16/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/18/2025 5:01:50PM
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FS111 0.5'

E508189-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: SL		Batch: 2534001
Benzene	ND	0.0250	1	08/18/25	08/18/25	
Ethylbenzene	ND	0.0250	1	08/18/25	08/18/25	
Toluene	ND	0.0250	1	08/18/25	08/18/25	
o-Xylene	ND	0.0250	1	08/18/25	08/18/25	
p,m-Xylene	ND	0.0500	1	08/18/25	08/18/25	
Total Xylenes	ND	0.0250	1	08/18/25	08/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.9 %	70-130	08/18/25	08/18/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2534001
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/25	08/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.4 %	70-130	08/18/25	08/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2534007
Diesel Range Organics (C10-C28)	ND	25.0	1	08/18/25	08/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/18/25	08/18/25	
<i>Surrogate: n-Nonane</i>		90.4 %	61-141	08/18/25	08/18/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: IY		Batch: 2534011
Chloride	43.2	20.0	1	08/18/25	08/18/25	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/18/2025 5:01:50PM
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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 (2534001-BLK1)

Prepared: 08/18/25 Analyzed: 08/18/25

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		84.2	70-130			

LCS (2534001-BS1)

Prepared: 08/18/25 Analyzed: 08/18/25

Benzene	5.39	0.0250	5.00		108	70-130			
Ethylbenzene	5.26	0.0250	5.00		105	70-130			
Toluene	5.34	0.0250	5.00		107	70-130			
o-Xylene	5.18	0.0250	5.00		104	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.8	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.95		8.00		86.8	70-130			

Matrix Spike (2534001-MS1)

Source: E508188-01

Prepared: 08/18/25 Analyzed: 08/18/25

Benzene	5.82	0.0250	5.00	ND	116	70-130			
Ethylbenzene	5.72	0.0250	5.00	ND	114	70-130			
Toluene	5.79	0.0250	5.00	ND	116	70-130			
o-Xylene	5.63	0.0250	5.00	ND	113	70-130			
p,m-Xylene	11.5	0.0500	10.0	ND	115	70-130			
Total Xylenes	17.2	0.0250	15.0	ND	114	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.10		8.00		88.7	70-130			

Matrix Spike Dup (2534001-MSD1)

Source: E508188-01

Prepared: 08/18/25 Analyzed: 08/18/25

Benzene	5.29	0.0250	5.00	ND	106	70-130	9.60	27	
Ethylbenzene	5.18	0.0250	5.00	ND	104	70-130	9.87	26	
Toluene	5.26	0.0250	5.00	ND	105	70-130	9.54	20	
o-Xylene	5.14	0.0250	5.00	ND	103	70-130	8.99	25	
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130	9.55	23	
Total Xylenes	15.6	0.0250	15.0	ND	104	70-130	9.36	26	
Surrogate: 4-Bromochlorobenzene-PID	7.14		8.00		89.2	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/18/2025 5:01:50PM
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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 (2534001-BLK1)

Prepared: 08/18/25 Analyzed: 08/18/25

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

LCS (2534001-BS2)

Prepared: 08/18/25 Analyzed: 08/18/25

Gasoline Range Organics (C6-C10)	37.9	20.0	50.0		75.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	70-130			

Matrix Spike (2534001-MS2)

Source: E508188-01

Prepared: 08/18/25 Analyzed: 08/18/25

Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		92.9	70-130			

Matrix Spike Dup (2534001-MSD2)

Source: E508188-01

Prepared: 08/18/25 Analyzed: 08/18/25

Gasoline Range Organics (C6-C10)	54.8	20.0	50.0	ND	110	70-130	7.54	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/18/2025 5:01:50PM
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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 (2534007-BLK1)

Prepared: 08/18/25 Analyzed: 08/18/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	49.0		50.0		98.1	61-141			

LCS (2534007-BS1)

Prepared: 08/18/25 Analyzed: 08/18/25

Diesel Range Organics (C10-C28)	270	25.0	250		108	66-144			
Surrogate: <i>n</i> -Nonane	49.7		50.0		99.4	61-141			

Matrix Spike (2534007-MS1)

Source: E508167-01

Prepared: 08/18/25 Analyzed: 08/18/25

Diesel Range Organics (C10-C28)	301	25.0	250	ND	121	56-156			
Surrogate: <i>n</i> -Nonane	56.9		50.0		114	61-141			

Matrix Spike Dup (2534007-MSD1)

Source: E508167-01

Prepared: 08/18/25 Analyzed: 08/18/25

Diesel Range Organics (C10-C28)	306	25.0	250	ND	122	56-156	1.48	20	
Surrogate: <i>n</i> -Nonane	56.3		50.0		113	61-141			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/18/2025 5:01:50PM
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Anions by EPA 300.0/9056A

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 (2534011-BLK1)

Prepared: 08/18/25 Analyzed: 08/18/25

Chloride	ND	20.0							
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LCS (2534011-BS1)

Prepared: 08/18/25 Analyzed: 08/18/25

Chloride	253	20.0	250		101	90-110			
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Matrix Spike (2534011-MS1)

Source: E508188-02

Prepared: 08/18/25 Analyzed: 08/18/25

Chloride	258	20.0	250	ND	103	80-120			
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Matrix Spike Dup (2534011-MSD1)

Source: E508188-02

Prepared: 08/18/25 Analyzed: 08/18/25

Chloride	258	20.0	250	ND	103	80-120	0.108	20	
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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 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 08/18/25 17:01
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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.



Client Information				Invoice Information				Lab Use Only				TAT				State			
Project: Boundary Raider 5 Federal #231H				Company: Devon Energy Production Co.				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Manager: Anna Byers				Address: 5315 Buena Vista Dr.				E 508189		01058-007		x				x			
Etech Project #: 21689				City, State, Zip: Carlsbad, NM, 88220															
Address: 13000 W County Rd 100				Phone: 575-885-7502															
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@dvn.com															
Phone: 432-305-6415				Miscellaneous: WO#:21483855, Incident ID:															
Email: NMTXGeoGroup@etechenv.com				nAPP2501341167, Project Number:21689															
Sample Information										Analysis and Method						EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	EGDOOC - NM	EGDOOC - TX	SDWA	CWA	RCRA	
10:20	08.15.25	S	1	FS111	0.5'	1								X					
																Compliance	Y	or	N
																PWSID #			
																Sample Temp	3.3		
																Remarks			
<i>08/15/2025</i>																			
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: Haleigh Blume																			
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 on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> / N													
<i>[Signature]</i>	08/15/2025	14:00	Michelle Gonzales	8-15-25	1440														
Michelle Gonzales	8-15-25	1500	Marissa Gonzales	8-15-25	1500														
Marissa Gonzales	8-15-25	2300	Noe Soto	8-16-25	0815														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 8/18/2025 9:37:12AM

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: 08/16/25 08:15	Work Order ID: E508189
Phone: (575) 748-0176	Date Logged In: 08/15/25 15:09	Logged In By: Caitlin Mars
Email: anna@etechnv.com	Due Date: 08/18/25 07:00 (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

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Client name 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? Yes

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Date Reported: 8/18/25



Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Boundary Raider 5 Federal #231H
Workorder: E508190
Date Received: 8/16/2025 8:15:29AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/16/2025 8:15:29AM, under the Project Name: Boundary Raider 5 Federal #231H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 5 Federal #231H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 08/18/25 17:02
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW04 0-0.5'	E508190-01A	Soil	08/15/25	08/16/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/18/2025 5:02:49PM
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SW04 0-0.5'

E508190-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2534001
Benzene	ND	0.0250	1	08/18/25	08/18/25	
Ethylbenzene	ND	0.0250	1	08/18/25	08/18/25	
Toluene	ND	0.0250	1	08/18/25	08/18/25	
o-Xylene	ND	0.0250	1	08/18/25	08/18/25	
p,m-Xylene	ND	0.0500	1	08/18/25	08/18/25	
Total Xylenes	ND	0.0250	1	08/18/25	08/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		87.7 %	70-130	08/18/25	08/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2534001
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/25	08/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.9 %	70-130	08/18/25	08/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2534007
Diesel Range Organics (C10-C28)	ND	25.0	1	08/18/25	08/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/18/25	08/18/25	
<i>Surrogate: n-Nonane</i>						
		97.3 %	61-141	08/18/25	08/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2534011
Chloride	47.7	20.0	1	08/18/25	08/18/25	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/18/2025 5:02:49PM
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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 (2534001-BLK1)

Prepared: 08/18/25 Analyzed: 08/18/25

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		84.2	70-130			

LCS (2534001-BS1)

Prepared: 08/18/25 Analyzed: 08/18/25

Benzene	5.39	0.0250	5.00		108	70-130			
Ethylbenzene	5.26	0.0250	5.00		105	70-130			
Toluene	5.34	0.0250	5.00		107	70-130			
o-Xylene	5.18	0.0250	5.00		104	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.8	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.95		8.00		86.8	70-130			

Matrix Spike (2534001-MS1)

Source: E508188-01

Prepared: 08/18/25 Analyzed: 08/18/25

Benzene	5.82	0.0250	5.00	ND	116	70-130			
Ethylbenzene	5.72	0.0250	5.00	ND	114	70-130			
Toluene	5.79	0.0250	5.00	ND	116	70-130			
o-Xylene	5.63	0.0250	5.00	ND	113	70-130			
p,m-Xylene	11.5	0.0500	10.0	ND	115	70-130			
Total Xylenes	17.2	0.0250	15.0	ND	114	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.10		8.00		88.7	70-130			

Matrix Spike Dup (2534001-MSD1)

Source: E508188-01

Prepared: 08/18/25 Analyzed: 08/18/25

Benzene	5.29	0.0250	5.00	ND	106	70-130	9.60	27	
Ethylbenzene	5.18	0.0250	5.00	ND	104	70-130	9.87	26	
Toluene	5.26	0.0250	5.00	ND	105	70-130	9.54	20	
o-Xylene	5.14	0.0250	5.00	ND	103	70-130	8.99	25	
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130	9.55	23	
Total Xylenes	15.6	0.0250	15.0	ND	104	70-130	9.36	26	
Surrogate: 4-Bromochlorobenzene-PID	7.14		8.00		89.2	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/18/2025 5:02:49PM
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Nonhalogenated Organics by EPA 8015D - GRO

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 (2534001-BLK1)

Prepared: 08/18/25 Analyzed: 08/18/25

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

LCS (2534001-BS2)

Prepared: 08/18/25 Analyzed: 08/18/25

Gasoline Range Organics (C6-C10)	37.9	20.0	50.0		75.9	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	70-130		

Matrix Spike (2534001-MS2)

Source: E508188-01

Prepared: 08/18/25 Analyzed: 08/18/25

Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		92.9	70-130		

Matrix Spike Dup (2534001-MSD2)

Source: E508188-01

Prepared: 08/18/25 Analyzed: 08/18/25

Gasoline Range Organics (C6-C10)	54.8	20.0	50.0	ND	110	70-130	7.54	20
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130		



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/18/2025 5:02:49PM
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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 (2534007-BLK1)

Prepared: 08/18/25 Analyzed: 08/18/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	49.0		50.0		98.1	61-141			

LCS (2534007-BS1)

Prepared: 08/18/25 Analyzed: 08/18/25

Diesel Range Organics (C10-C28)	270	25.0	250		108	66-144			
Surrogate: <i>n</i> -Nonane	49.7		50.0		99.4	61-141			

Matrix Spike (2534007-MS1)

Source: E508167-01

Prepared: 08/18/25 Analyzed: 08/18/25

Diesel Range Organics (C10-C28)	301	25.0	250	ND	121	56-156			
Surrogate: <i>n</i> -Nonane	56.9		50.0		114	61-141			

Matrix Spike Dup (2534007-MSD1)

Source: E508167-01

Prepared: 08/18/25 Analyzed: 08/18/25

Diesel Range Organics (C10-C28)	306	25.0	250	ND	122	56-156	1.48	20	
Surrogate: <i>n</i> -Nonane	56.3		50.0		113	61-141			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/18/2025 5:02:49PM
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Anions by EPA 300.0/9056A

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 (2534011-BLK1)

Prepared: 08/18/25 Analyzed: 08/18/25

Chloride ND 20.0

LCS (2534011-BS1)

Prepared: 08/18/25 Analyzed: 08/18/25

Chloride 253 20.0 250 101 90-110

Matrix Spike (2534011-MS1)

Source: E508188-02

Prepared: 08/18/25 Analyzed: 08/18/25

Chloride 258 20.0 250 ND 103 80-120

Matrix Spike Dup (2534011-MSD1)

Source: E508188-02

Prepared: 08/18/25 Analyzed: 08/18/25

Chloride 258 20.0 250 ND 103 80-120 0.108 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 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 08/18/25 17:02
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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.



Client Information				Invoice Information				Lab Use Only				TAT				State					
Project: Boundary Raider 5 Federal #231H				Company: Devon Energy Production Co.				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX		
Project Manager: Anna Byers				Address: 5315 Buena Vista Dr.				E 508190		01058-0007		x				x					
Etech Project #: 21689				City, State, Zip: Carlsbad, NM, 88220																	
Address: 13000 W County Rd 100				Phone: 575-885-7502																	
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@dvn.com																	
Phone: 432-305-6415				Miscellaneous: WO#:21483855, Incident ID:																	
Email: NMTXGeoGroup@etechnv.com				nAPP2501341167, Project Number:21689																	
Sample Information										Analysis and Method						EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCFQ 1005 - TX	RCRA 8 Metals	BigDOC - NM	BigDOC - TX	SDWA	CWA	RCRA			
10:30	08.15.25	S	1	SW04	0-0.5'	1								X							
																Compliance	Y	or	N		
																PWSID #					
																Sample Temp	3.4				
																Remarks					
08/15/2025																					
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: Haleigh Blume																					
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 on ice at a temp above 0 but less than 6°C on subsequent days.					
<i>[Signature]</i>				08/15/2025		14:40		Michelle Gonzales				8-15-25		1440							
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time							
Michelle Gonzales				8-15-25		1500		Marissa Gonzales				8-15-25		1500							
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N					
Marissa Gonzales				8-15-25		2300		Noe Sub				8-16-25		0815							
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time							
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA											
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

Envirotech Analytical Laboratory

Printed: 8/18/2025 9:45:41AM

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: 08/16/25 08:15 Work Order ID: E508190
Phone: (575) 748-0176 Date Logged In: 08/15/25 15:13 Logged In By: Caitlin Mars
Email: anna@etechnv.com Due Date: 08/18/25 07:00 (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

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

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? Yes

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instruction.

Comments/Resolution

Client name not provided on COC.

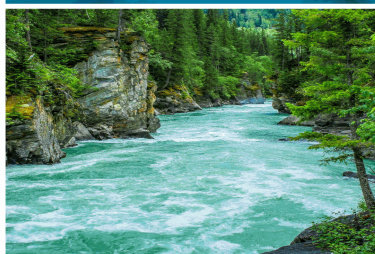
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Anna Byers



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Boundary Raider 5 Federal #231H

Work Order: E508006

Job Number: 01058-0007

Received: 8/4/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/8/25

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: 8/8/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Boundary Raider 5 Federal #231H
Workorder: E508006
Date Received: 8/4/2025 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/4/2025 7:30:00AM, under the Project Name: Boundary Raider 5 Federal #231H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 5 Federal #231H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Laboratory Administrator
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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 08/08/25 12:34
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW05 0-0.5'	E508006-01A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
SW06 0-0.5'	E508006-02A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
SW07 0-0.5'	E508006-03A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
SW08 0-1'	E508006-04A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
SW09 0-1'	E508006-05A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
SW10 0-1'	E508006-06A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 12:34:02PM
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SW05 0-0.5'

E508006-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532030
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.4 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.4 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532054
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
<i>Surrogate: n-Nonane</i>						
		116 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532021
Chloride	28.0	20.0	1	08/04/25	08/05/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 12:34:02PM
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SW06 0-0.5'

E508006-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532030
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.6 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.9 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532054
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
<i>Surrogate: n-Nonane</i>						
		112 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532021
Chloride	ND	20.0	1	08/04/25	08/05/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 12:34:02PM
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SW07 0-0.5'

E508006-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532030
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.2 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.5 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532054
Diesel Range Organics (C10-C28)	134	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	146	50.0	1	08/05/25	08/07/25	
<i>Surrogate: n-Nonane</i>						
		119 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532021
Chloride	352	20.0	1	08/04/25	08/05/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 12:34:02PM
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SW08 0-1'

E508006-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532030
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.1 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.8 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2532054
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
<i>Surrogate: n-Nonane</i>		123 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2532021
Chloride	253	20.0	1	08/04/25	08/06/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 12:34:02PM
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SW09 0-1'

E508006-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532030
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	0.0283	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.8 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.0 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2532054
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
<i>Surrogate: n-Nonane</i>		115 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2532021
Chloride	277	20.0	1	08/04/25	08/06/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 12:34:02PM
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SW10 0-1'

E508006-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2532030
Benzene	ND	0.0250	1	08/05/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/05/25	
Toluene	ND	0.0250	1	08/05/25	08/05/25	
o-Xylene	ND	0.0250	1	08/05/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.5 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2532030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.3 %	70-130	08/05/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2532054
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
<i>Surrogate: n-Nonane</i>		120 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2532021
Chloride	634	20.0	1	08/04/25	08/06/25	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 12:34:02PM
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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 (2532030-BLK1)

Prepared: 08/05/25 Analyzed: 08/05/25

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	7.25		8.00		90.6	70-130			

LCS (2532030-BS1)

Prepared: 08/05/25 Analyzed: 08/05/25

Benzene	5.22	0.0250	5.00		104	70-130			
Ethylbenzene	5.12	0.0250	5.00		102	70-130			
Toluene	5.19	0.0250	5.00		104	70-130			
o-Xylene	5.15	0.0250	5.00		103	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.6	70-130			

Matrix Spike (2532030-MS1)

Source: E508006-05

Prepared: 08/05/25 Analyzed: 08/05/25

Benzene	5.51	0.0250	5.00	ND	110	70-130			
Ethylbenzene	5.42	0.0250	5.00	ND	108	70-130			
Toluene	5.51	0.0250	5.00	0.0283	110	70-130			
o-Xylene	5.46	0.0250	5.00	ND	109	70-130			
p,m-Xylene	10.9	0.0500	10.0	ND	109	70-130			
Total Xylenes	16.4	0.0250	15.0	ND	109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.50		8.00		93.7	70-130			

Matrix Spike Dup (2532030-MSD1)

Source: E508006-05

Prepared: 08/05/25 Analyzed: 08/05/25

Benzene	5.19	0.0250	5.00	ND	104	70-130	6.12	27	
Ethylbenzene	5.11	0.0250	5.00	ND	102	70-130	5.93	26	
Toluene	5.17	0.0250	5.00	0.0283	103	70-130	6.46	20	
o-Xylene	5.17	0.0250	5.00	ND	103	70-130	5.42	25	
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130	5.81	23	
Total Xylenes	15.5	0.0250	15.0	ND	103	70-130	5.68	26	
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.1	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 12:34:02PM
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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 (2532030-BLK1)

Prepared: 08/05/25 Analyzed: 08/05/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.2	70-130			

LCS (2532030-BS2)

Prepared: 08/05/25 Analyzed: 08/05/25

Gasoline Range Organics (C6-C10)	52.9	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.2	70-130			

Matrix Spike (2532030-MS2)

Source: E508006-05

Prepared: 08/05/25 Analyzed: 08/05/25

Gasoline Range Organics (C6-C10)	54.4	20.0	50.0	ND	109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.4	70-130			

Matrix Spike Dup (2532030-MSD2)

Source: E508006-05

Prepared: 08/05/25 Analyzed: 08/05/25

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130	4.78	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 12:34:02PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

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 (2532054-BLK1)

Prepared: 08/05/25 Analyzed: 08/07/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	55.7		50.0		111	61-141			

LCS (2532054-BS1)

Prepared: 08/05/25 Analyzed: 08/07/25

Diesel Range Organics (C10-C28)	285	25.0	250		114	66-144			
Surrogate: <i>n</i> -Nonane	56.1		50.0		112	61-141			

Matrix Spike (2532054-MS1)

Source: E508006-06

Prepared: 08/05/25 Analyzed: 08/07/25

Diesel Range Organics (C10-C28)	292	25.0	250	ND	117	56-156			
Surrogate: <i>n</i> -Nonane	55.0		50.0		110	61-141			

Matrix Spike Dup (2532054-MSD1)

Source: E508006-06

Prepared: 08/05/25 Analyzed: 08/07/25

Diesel Range Organics (C10-C28)	321	25.0	250	ND	128	56-156	9.44	20	
Surrogate: <i>n</i> -Nonane	58.5		50.0		117	61-141			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 8/8/2025 12:34:02PM
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Anions by EPA 300.0/9056A

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 (2532021-BLK1)

Prepared: 08/04/25 Analyzed: 08/05/25

Chloride	ND	20.0							
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LCS (2532021-BS1)

Prepared: 08/04/25 Analyzed: 08/05/25

Chloride	262	20.0	250		105	90-110			
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Matrix Spike (2532021-MS1)

Source: E508001-44

Prepared: 08/04/25 Analyzed: 08/05/25

Chloride	258	20.0	250	ND	103	80-120			
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Matrix Spike Dup (2532021-MSD1)

Source: E508001-44

Prepared: 08/04/25 Analyzed: 08/05/25

Chloride	256	20.0	250	ND	102	80-120	0.720	20	
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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 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 08/08/25 12:34
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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.



Envirotech Analytical Laboratory

Printed: 8/4/2025 8:07:29AM

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: 08/04/25 07:30 Work Order ID: E508006
Phone: (575) 748-0176 Date Logged In: 08/01/25 14:47 Logged In By: Caitlin Mars
Email: anna@etechnv.com Due Date: 08/08/25 07:00 (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

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

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? Yes

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instruction.

Comments/Resolution

Client name not provided on COC.

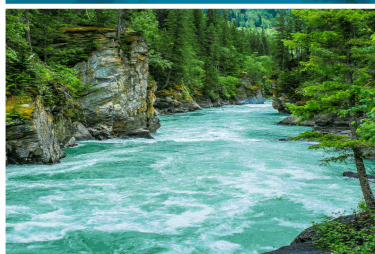
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Anna Byers



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Boundary Raider 5 Federal #231H

Work Order: E509132

Job Number: 01058-0007

Received: 9/12/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/19/25

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: 9/19/25



Anna Byers
333 W Sheridan Avenue
Oklahoma City, OK 73102-5010

Project Name: Boundary Raider 5 Federal #231H
Workorder: E509132
Date Received: 9/12/2025 10:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/12/2025 10:45:00AM, under the Project Name: Boundary Raider 5 Federal #231H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 5 Federal #231H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Cell: 775-287-1762
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Sample Summary

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 09/19/25 11:55
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
STKP01	E509132-01A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
STKP02	E509132-02A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 9/19/2025 11:55:47AM
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STKP01
E509132-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2538007
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	09/15/25	09/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2538007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.7 %	70-130	09/15/25	09/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2538001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
<i>Surrogate: n-Nonane</i>		88.9 %	61-141	09/15/25	09/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2538008
Chloride	ND	20.0	1	09/15/25	09/15/25	



Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 9/19/2025 11:55:47AM
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STKP02
E509132-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2538007
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	09/15/25	09/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2538007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.6 %	70-130	09/15/25	09/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2538001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
<i>Surrogate: n-Nonane</i>		92.0 %	61-141	09/15/25	09/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2538008
Chloride	ND	20.0	1	09/15/25	09/15/25	



QC Summary Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 9/19/2025 11:55:47AM
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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 (2538007-BLK1)

Prepared: 09/15/25 Analyzed: 09/15/25

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	7.38		8.00		92.2	70-130			

LCS (2538007-BS1)

Prepared: 09/15/25 Analyzed: 09/15/25

Benzene	4.75	0.0250	5.00		95.1	70-130			
Ethylbenzene	5.13	0.0250	5.00		103	70-130			
Toluene	5.01	0.0250	5.00		100	70-130			
o-Xylene	5.13	0.0250	5.00		103	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.26		8.00		90.8	70-130			

Matrix Spike (2538007-MS1)

Source: E509130-01

Prepared: 09/15/25 Analyzed: 09/15/25

Benzene	5.13	0.0250	5.00	ND	103	70-130			
Ethylbenzene	5.55	0.0250	5.00	ND	111	70-130			
Toluene	5.43	0.0250	5.00	ND	109	70-130			
o-Xylene	5.53	0.0250	5.00	ND	111	70-130			
p,m-Xylene	11.2	0.0500	10.0	ND	112	70-130			
Total Xylenes	16.7	0.0250	15.0	ND	111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			

Matrix Spike Dup (2538007-MSD1)

Source: E509130-01

Prepared: 09/15/25 Analyzed: 09/15/25

Benzene	4.70	0.0250	5.00	ND	93.9	70-130	8.92	27	
Ethylbenzene	5.05	0.0250	5.00	ND	101	70-130	9.44	26	
Toluene	4.94	0.0250	5.00	ND	98.9	70-130	9.32	20	
o-Xylene	5.08	0.0250	5.00	ND	102	70-130	8.53	25	
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130	9.17	23	
Total Xylenes	15.3	0.0250	15.0	ND	102	70-130	8.96	26	
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.1	70-130			



QC Summary Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 9/19/2025 11:55:47AM
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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 (2538007-BLK1)

Prepared: 09/15/25 Analyzed: 09/15/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.2	70-130			

LCS (2538007-BS2)

Prepared: 09/15/25 Analyzed: 09/15/25

Gasoline Range Organics (C6-C10)	45.3	20.0	50.0		90.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.1	70-130			

Matrix Spike (2538007-MS2)

Source: E509130-01

Prepared: 09/15/25 Analyzed: 09/15/25

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0	ND	96.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.7	70-130			

Matrix Spike Dup (2538007-MSD2)

Source: E509130-01

Prepared: 09/15/25 Analyzed: 09/15/25

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.1	70-130	2.24	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.2	70-130			



QC Summary Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 9/19/2025 11:55:47AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

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 (2538001-BLK1)

Prepared: 09/15/25 Analyzed: 09/16/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.4		50.0		92.7	61-141			

LCS (2538001-BS1)

Prepared: 09/15/25 Analyzed: 09/16/25

Diesel Range Organics (C10-C28)	242	25.0	250		96.7	66-144			
Surrogate: n-Nonane	47.2		50.0		94.5	61-141			

Matrix Spike (2538001-MS1)

Source: E509130-01

Prepared: 09/15/25 Analyzed: 09/16/25

Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.1	56-156			
Surrogate: n-Nonane	46.8		50.0		93.7	61-141			

Matrix Spike Dup (2538001-MSD1)

Source: E509130-01

Prepared: 09/15/25 Analyzed: 09/16/25

Diesel Range Organics (C10-C28)	245	25.0	250	ND	98.0	56-156	1.06	20	
Surrogate: n-Nonane	47.2		50.0		94.5	61-141			



QC Summary Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 9/19/2025 11:55:47AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2538008-BLK1)

Prepared: 09/15/25 Analyzed: 09/15/25

Chloride	ND	20.0							
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LCS (2538008-BS1)

Prepared: 09/15/25 Analyzed: 09/15/25

Chloride	258	20.0	250		103	90-110			
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Matrix Spike (2538008-MS1)

Source: E509130-02

Prepared: 09/15/25 Analyzed: 09/16/25

Chloride	463	200	250	201	105	80-120			
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Matrix Spike Dup (2538008-MSD1)

Source: E509130-02

Prepared: 09/15/25 Analyzed: 09/16/25

Chloride	449	200	250	201	99.3	80-120	3.16	20	
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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 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Boundary Raider 5 Federal #231H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 09/19/25 11:55
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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.



Client Information				Invoice Information				Lab Use Only				TAT				State			
Project: Boundary Raider 5 Federal #231H				Company: Devon Energy Production Co.				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Manager: Anna Byers				Address: 5315 Buena Vista Dr.				E509132		01059-0007		EK				x			
Etech Project #: 21689				City, State, Zip: Carlsbad, NM, 88220															
Address: 13000 W County Rd 100				Phone: 575-885-7502															
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@dvn.com															
Phone: 432-305-6415				Miscellaneous: WO#:21483855, Incident ID:															
Email: NMTXGeoGroup@etechenv.com				nAPP2501341167, Project Number:21689															

Sample Information					Analysis and Method										EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
10:30	9/11/2025	S	1	STKP01		1									X				
10:40	9/12/2025	S	1	STKP02		2									X				
09/12/2025																			

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: Haleigh Blume

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 on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: O/N
	09/12/25	10:45	Noe Sato	9-12-25	1045	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 9/15/2025 10:09:59AM

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: 09/12/25 10:45 Work Order ID: E509132
Phone: (575) 748-0176 Date Logged In: 09/12/25 11:56 Logged In By: Caitlin Mars
Email: anna@etechnv.com Due Date: 09/19/25 17:00 (5 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

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? Yes

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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

Date



envirotech Inc.

| Appendix F

P.O. Box 62228 Midland TX 79711 Tel: 432-563-2200 Fax: 432-563-2213

Seed Mixture for LPC Sand/Shinnery Sites

Holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed shall be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed shall be either certified or registered seed. The seed container shall be tagged in accordance with State law(s) and available for inspection by the Authorized Officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). Holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. Seeding shall be repeated until a satisfactory stand is established as determined by the Authorized Officer. Evaluation of growth may not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

<u>Species</u>	<u>lb/acre</u>
Plains Bristlegrass	5lbs/A
Sand Bluestem	5lbs/A
Little Bluestem	3lbs/A
Big Bluestem	6lbs/A
Plains Coreopsis	2lbs/A
Sand Dropseed	1lbs/A

*Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed

| Appendix G

P.O. Box 62228 Midland TX 79711 Tel: 432-563-2200 Fax: 432-563-2213

HoldAll[®]
Decorative Plant Accessories

40 TESTS
DIRECTIONS INSIDE

SOIL TEST KIT



Plants & Flowers



Grasses & Lawns



Fruits & Veggies



Trees & Shrubs

757860

HoldAll[®]
Decorative Plant Accessories

757860

SOIL TEST KIT

Tests Your Soil for a Healthy Garden

• pH • Nitrogen(N) • Phosphorus(P) • Potassium(K) •

PREPARING YOUR SOIL SAMPLES

For lawns, annuals or house plants, take the soil sample from about 2-3" below the surface. For perennials especially shrubs, vegetables and fruit, the sample should be from 4" deep.

Avoid touching the soil with your hands. Test different areas of your soil, as it may differ according to past cultivation, underlying soil differences or a localized condition. It is preferable to make individual tests on several samples from different areas, than to mix the samples together.

Place your soil sample into a clean container. Break the sample up with the trowel or spoon and allow it to dry out naturally. This is not essential, however it makes working with the sample easier. Remove any small stones, organic material such as grass, weeds or roots and hard particles of lime. Then crumble the sample finely and mix it thoroughly.

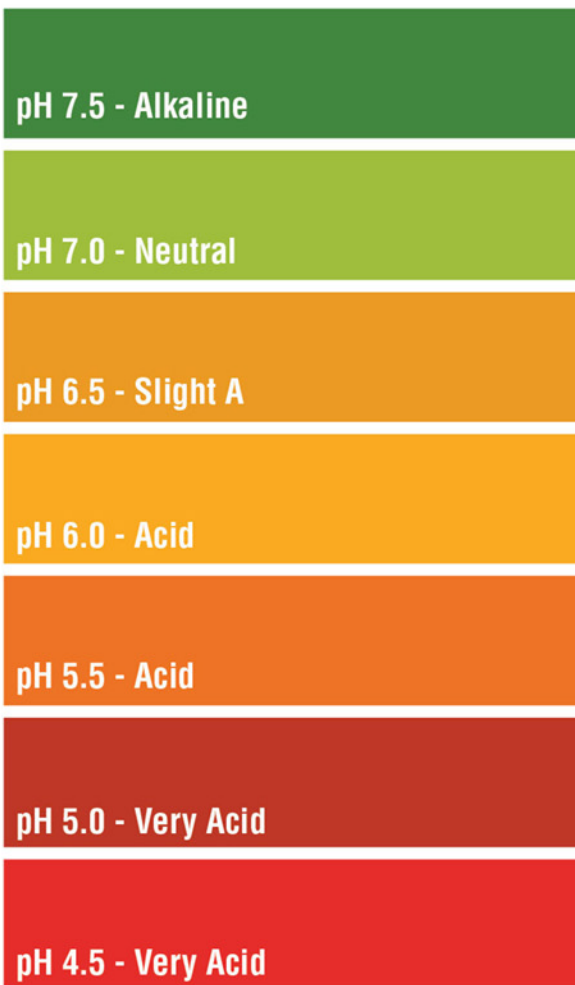
HOW TO TEST YOUR SOIL:

Tube caps and capsules are color-coded for simplicity:

Green = pH **Purple** = Nitrogen
Blue = Phosphorus **Orange** = Potash

pH TEST:

1. Remove cap from the green capped tube.
2. Fill tube with soil to the first line.
3. Carefully open a green capsule and pour powder into the tube.
4. Add water (preferably distilled) to the fourth line.
5. Cap tube and shake thoroughly.
6. Allow soil to settle and color to develop for about a minute.
7. Compare color of solution to the pH color chart. Repeat for remaining capsules.



NITROGEN, PHOSPHORUS & POTASH TESTS:

Fill a clean jar or can with 1 part soil and 5 parts water. Thoroughly shake or stir the soil and water together for at least one minute and then allow the mixture to stand undisturbed until it settles (30 minutes to 24 hours, dependent on soil). A fine clay soil will take much longer to settle out than a coarse sandy soil. The clarity of the solution will also vary, the clearer the better, however cloudiness will not affect the accuracy of the test.

PLANT FOOD CHART		
Nitrogen	Phosphorous	Potash
High	High	High
Medium	Medium	Medium
Low	Low	Low
Very Low	Very Low	Very Low

1. Remove the cap from the tube. (Please note that the color of the capsules should match the color of the tube cap.) Using dropper provided, fill the tube to the fourth line with liquid from your soil mixture. Avoid disturbing the sediment
2. Carefully separate the two halves of one of the capsules. Pour the powder into the tube.
3. Cap the tube and shake thoroughly. Allow color to develop for 10 minutes.
4. Compare color of solution to the appropriate portion of the plant food color chart. For best results allow daylight, not direct sunlight, to illuminate the solution. Note your results. Repeat for remaining capsules.

TO RAISE OR LOWER pH OF YOUR SOIL

Raising and lowering pH is not an exact science & most plants have a reasonably wide tolerance, certainly to within 1 pH point. Consult the pH Preference List and you will see that the majority can manage well on a pH around 6.5 but some need an alkaline soil

and some a particularly acid soil. Altering pH takes time so do not expect rapid changes; rather, work steadily towards giving a plant its ideal conditions.

ADJUSTING pH

pH can be adjusted to provide more suitable growing conditions for the different plants you wish to grow. Or, you can leave the pH of the soil as it is and select plants that like the level revealed by your test. Once you have your pH reading, check the pH Preference List for the pH levels of over 450 popular plants, trees, shrubs, vegetables and fruits. If your pH reading differs significantly from the list's recommended levels, follow instructions below for adjusting soil pH. You can correct pH at any time of the year but it

is best to start in the Fall and check progress in the Spring. After working to adjust your soil, retest for pH level in 40-60 days. If results are still significantly off, retreat your soil, not exceeding recommended application levels. Allow one month to pass between adding lime and adding fertilizers.

SOIL TYPES

Sandy Soils: A light, coarse soil comprised of crumbling and alluvial debris.

Loam Soils: A medium friable soil, consisting of a blend of coarse (sand) alluvium and fine (clay) particles mixed within fairly broad limits with a little lime and humus.

Clay Soils: A heavy, clinging, impermeable

soil, comprised of very fine particles with little lime and humus and tending to be waterlogged in winter and very dry in summer.

ADJUSTING SOIL pH - HOW MUCH TO APPLY

Material	phChange	Sandy	Loamy	Clay
Dolomitic or Calcic Limestone	+0.5 unit (0.5 pH) +1.0 unit (1.0 pH)	2.5 5.0	2.5 5.0	2.5 5.0
Hydrated Lime	+0.5 unit (0.5 pH)	1.25 - 2.0	1.25 - 2.0	1.25 - 2.0
	+1.0 unit (1.0 pH)	3.5 - 4.0	3.5 - 4.0	3.5 - 4.0
Iron Sulfate	-0.5 unit (0.5 pH)	0.75	0.75	0.75
	-1.0 unit (1.0 pH)	1.5	1.5	1.5
Aluminum Sulfate	-0.5 unit (0.5 pH)	0.5 - 0.75	0.5 - 0.75	0.5 - 0.75
	-1.0 unit (1.0 pH)	1 - 1.25	1 - 1.25	1 - 1.25

Amounts listed are pounds per 100 square feet. Do not add more than 5lbs. of lime or sulfur in one application.

FERTILIZER RECOMMENDATIONS

FEEDING PRIOR TO PLANTING

Adequate reserves of plant food should be available in the soil before planting vegetables, preparing a seed or flower bed, sodding or seeding a lawn, or planting shrubs and trees. To make up any deficiencies, apply fertilizers from the following chart according to your soil test result.

TEST RESULTS	Very Low	Low	Medium	High
Nitrogen Fertilizers (%N)				
Dried Blood (11%)	36	19	6	N/A
Nitrate of Soda (16%)	27	14	3	N/A
Phosphate Fertilizers (%P)				
Bone Meal (19%)	27	14	6	N/A
Triple Superphosphate (46%)	10.25	5.25-5.5	2.25	N/A
Potash Fertilizers (%K)				
Muriate of Potash (60%)	8.75-9	4.75-5	2.25-2.5	N/A

Amounts listed are ounces per 100 square feet. (Ounces referred to are by weight)

FEEDING ESTABLISHED PLANTS AND BEDS

Based on your test results, apply the appropriate fertilizer(s) in the amounts recommended in the following chart.

RECOMMENDATIONS FOR N, P AND K RESULTS

	Very Low			Low			Medium		
	N	P	K	N	P	K	N	P	K
Lawn	22.0-22.5	0.75-1.0	4.75-5.0	14.0-14.5	1.0-1.5	2.25-2.5	3.75-4.0	0	0
Fruit	14.0-14.5	6.5	13.5-14.0	7.75-8.0	4.0-4.25	8.75-9.0	3.75-4.0	2.25	4.75-5.0
Flower	14.0-14.25	6.5	13.5-14.0	7.75-8.0	4.0-4.25	8.75-9.0	3.75-4.0	2.25	4.75-5.0
Shrubs (flowering)	14.0-14.25	8.25-8.5	13.5-14.0	7.75-8.0	4.0-4.25	8.75-9.0	3.75-4.0	1.0-1.25	4.75-5.0
Shrubs (foliage)	22.0-22.5	10.5-10.75	8.75-9.0	14.0-14.5	5.25-5.5	4.75-5.0	3.75-4.0	2.25	2.25-2.5
Veggies (root)	14.0-14.25	12.0-12.25	8.75-9.0	14.0-14.5	5.25-5.5	4.75-5.0	3.75-4.0	3.0	2.25-2.5
Veggies (leafy)	28.25-29.0	10.25	8.75-9.0	14.0-14.5	5.25-5.5	4.75-5.0	7.75-8.0	2.25	2.25-2.5
Tree	14.0-14.5	10.25	8.75-9.0	7.75-8.0	5.25-5.5	4.75-5.0	3.75-4.0	2.25	2.25-2.5
General Feed	22.0-22.5	8.25-8.5	8.75-9.0	10.5-11.0	4.0-4.25	4.75-5.0	3.75-4.0	1.0-1.25	2.25-2.5

High

	N	P	K
Lawn	N/A	N/A	N/A
Fruit	N/A	N/A	N/A
Flower	N/A	N/A	N/A
Shrubs (flowering)	N/A	N/A	N/A
Shrubs (foliage)	N/A	N/A	N/A
Veggies (root)	N/A	N/A	N/A
Veggies (leafy)	N/A	N/A	N/A
Tree	N/A	N/A	N/A
General Feed	N/A	N/A	N/A

The recommendations are based on the following fertilizer sources: Nitrate of Soda (16% N), Triple Superphosphate (46% P2O5) and Muriate of Potassium (60% K2O). The amounts listed are in oz. /100 sq. ft. (Ounces referred to are by weight, not volume.) If you wish to use other fertilizer, simply check the package for the percentage of nutrients for N, P, & K and adjust the application level accordingly.

SPECIAL RECOMMENDATIONS FOR LAWNS

For a new lawn, pay special attention to soil preparation before planting. Proper soil preparation for any size lawn will have a significant impact on the amount of water and care it demands in the future. Till the soil to a depth of at least 12" and incorporate plenty of organic material (9" or more). Test your soil for pH and adjust to the levels recommended on pH Preference List for your type of grass. Refer to the Adjusting Soil pH chart for recommended lime or sulfate applications.

For established lawns, Nitrogen is the most essential nutrient to promote lush growth and deep, green color. Phosphorus and Potassium, in lesser quantities, are also important for strong root formation and growth. Compound fertilizers will supply all 3 nutrients, or you can select an individual fertilizer, such as Nitrate of Soda. The following chart gives recommended application levels specifically for lawns, based on your Nitrogen soil test results.

RECOMMENDATIONS FOR LAWNS

Fertilizer Type	Very Low	Low
24-4-4	4.0 lbs.	2.0 lbs.
24-3-4	3.1 lbs.	1.55 lbs.
30-4-4	3.0 lbs.	1.5 lbs.
	Medium	High
24-4-4	1.0 lbs.	N/A
24-3-4	.77 lbs.	N/A
30-4-4	.75 lbs.	N/A

Amounts listed are pounds per 1000 square feet.

SAFETY & HYGIENE

Dispose of test solutions by rinsing down the sink. Empty gelatin capsules should be disposed of immediately with household waste. Wash the test tubes and caps in warm, soapy water immediately after each use. Make sure any sediment or color staining is removed. Rinse well and dry. Each bag of capsules should be stored inside the blister. Fit the caps on each test tube. Place all components back into the package. The blister pack has been specially designed to be reused as a storage container.

Store your kit in clean, dry conditions, indoors. The powders are safe in normal domestic terms but like all chemicals and pharmaceuticals, they should be put away and kept out of reach of children. Try to avoid touching the powders. Always wash your hands thoroughly after making your tests. Do not eat, drink or smoke while using the soil test kit. Keep powders away from food, drink and animal feed. If taken internally, drink copious amounts of water and seek medical advice.

CAUTIONS

Where a lot of fertilizer is needed to correct one plant food, divide the applications over several weeks. Do not add lime and fertilizer together; lime first. Allow at least one month to pass before applying fertilizer. Retest 30 days after applying fertilizer.



Plant pH Preference List

NAME	pH	NAME	pH	NAME	pH	NAME	pH	NAME	pH
FRUIT		VEGETABLES AND HERBS		HOUSE and GREENHOUSE PLANTS		FLOWERS, TREES AND SHRUBS		FLOWERS, TREES AND SHRUBS	
APPLE	5.0 - 6.5	SAGE	5.5 - 6.5	GENISTA	6.5 - 7.5	ASPERULA	6.0 - 8.0	LAUREL	6.5 - 7.5
APRICOT	6.0 - 7.0	SHALLOT	5.5 - 7.0	GERANIUM	6.0 - 8.0	ASPHODOLINE	6.0 - 8.0	LAVENDER	6.5 - 7.5
AVOCADO	6.0 - 7.5	SORGHUM	5.5 - 7.5	GLOXINIA	5.5 - 6.5	ASTER	5.5 - 7.5	LIATRIS	5.5 - 7.5
BANANA	5.0 - 7.0	SOYBEAN	5.5 - 6.5	GRAPE IVY	5.0 - 6.5	AUBRITA	6.0 - 7.5	LIGUSTRUM	5.0 - 7.5
BLACKBERRY	5.0 - 6.0	SPEARMINT	5.5 - 7.5	GRAPE HYACINTH	6.0 - 7.5	AZALEA	4.5 - 6.0	LILAC	6.0 - 7.5
BLUEBERRY	4.0 - 6.0	SPINACH	6.0 - 7.5	GREVILLEA	5.5 - 6.5	BALLOON FLOWER	6.0 - 6.5	LILY OF THE VALLEY	4.5 - 6.0
CANTALOUPE	6.5 - 7.5	SWEDE	5.0 - 7.0	GYNURA	5.5 - 6.5	BAYBERRY	4.0 - 6.0	LITHOSPERMUM	5.0 - 6.5
CHERRY	6.0 - 7.5	THYME	5.5 - 7.0	HEDERA (IVY)	6.0 - 8.0	BERGENIA	6.0 - 7.5	LOBELIA	6.5 - 7.5
CRANBERRY	5.5 - 6.5	TOMATO	5.5 - 7.5	HELIOTROPIUM	5.0 - 6.0	BLEEDING HEART	6.0 - 7.5	LUPINUS	5.5 - 7.0
CURRENT: Black	6.0 - 8.0	TURNIP	5.5 - 7.0	HENS AND CHICKENS	6.0 - 7.0	BLUEBELL	6.0 - 7.6	MAGNOLIA	5.0 - 6.0
Red	5.5 - 7.0	WATER CRESS	6.0 - 8.0	HERRINGBONE PLANT	6.0 - 6.0	BROOM	5.0 - 6.0	MAHONIA	6.0 - 7.0
White	6.0 - 8.0	HOUSE and GREENHOUSE PLANTS		HIBISCUS PLANT	6.0 - 8.0	BUDDLEIA	6.0 - 7.0	MARIGOLD	5.5 - 7.0
DAMSON	6.0 - 7.5	ABUTILON	5.5 - 6.5	HOYA	5.0 - 6.5	BUPHTHALUM	6.0 - 8.0	MOLINIA	4.0 - 5.0
GOOSEBERRY	5.0 - 6.5	ACORUS	5.0 - 6.5	IMPATIENS	5.5 - 6.5	BUTTERFLY BUSH	4.0 - 6.0	MORAEA	5.5 - 6.5
GRAPEVINE	6.0 - 7.0	AECHMEA	5.0 - 5.5	IVY TREE	6.0 - 7.0	CALENDULA	5.5 - 7.0	MORNING GLORY	6.0 - 7.5
GRAPEFRUIT	6.0 - 7.5	AFRICAN VIOLET	6.0 - 7.0	JACARANDA	6.0 - 7.5	CAMASSIA	6.0 - 8.0	MOSS	6.0 - 8.0
HAZELNUT	6.0 - 7.0	AGLAONEMA	5.0 - 6.0	JAPANESE SEDGE	6.0 - 8.0	CANDYTUFT	6.0 - 7.5	MOSS, SPHAGNUM	3.5 - 5.0
HOP	6.0 - 7.5	AMARYLLIS	5.5 - 6.5	JASMINUM	5.5 - 7.0	CANNA	6.0 - 8.0	MYOSOTIS	6.0 - 7.0
HUCKLEBERRY	4.0 - 6.0	ANTHURIUM	5.0 - 6.0	JERUSALEM CHERRY	5.5 - 6.5	CANTERBURY BELLS	7.0 - 7.5	NARCISSUS	6.0 - 8.5
LEMON	6.0 - 7.0	APHELANDRA	5.0 - 6.0	JESSAMONE	5.0 - 6.0	CARDINAL FLOWER	4.0 - 6.0	NASTURTIUM	5.5 - 7.5
LYCHEE	6.0 - 7.0	ARAUCARIA	5.0 - 6.0	KALANCHOE	6.0 - 7.5	CARNATION	6.0 - 7.5	NICOTIANA	5.5 - 6.5
MANGO	5.0 - 6.0	ASPARAGUS FERN	6.0 - 8.0	KANGAROO THORN	6.0 - 8.0	CATALPA	6.0 - 8.0	PACHYSANDRA	5.0 - 8.0
MELON	5.5 - 6.5	ASPIDISTRA	4.0 - 5.5	KANGAROO VINE	5.0 - 6.5	CELOSIA	6.0 - 7.0	PAEONIA	6.0 - 7.5
MULBERRY	6.0 - 7.5	AZAEA	4.5 - 6.0	LANTANA	5.5 - 7.0	CENTAUREA	5.0 - 6.5	PANSY	5.5 - 7.0
NECTARINE	6.0 - 7.5	BABY'S BREATH	6.0 - 7.5	LAURUS (BAY TREE)	5.0 - 6.0	CERASTIUM	6.0 - 7.0	PASSION FLOWER	6.0 - 8.0
PEACH	6.0 - 7.5	BABY'S TEARS	5.0 - 6.0	LEMON PLANT	6.0 - 7.5	CHRYSANTHEMUM	6.0 - 7.0	PASQUE FLOWER	5.0 - 6.0
PEAR	6.0 - 7.5	BEGONIA	5.5 - 7.0	MIMOSA	5.0 - 7.0	CISSUS	6.0 - 7.5	PAULOWNIA	6.0 - 8.0
PINEAPPLE	5.0 - 6.0	BIRD OF PARADISE	6.0 - 6.5	MIND YOUR OWN BUSINESS	5.0 - 5.5	CISTUS	6.0 - 7.5	PENSTEMON	5.5 - 7.0
PLUM	6.0 - 7.5	BISHOP'S CAP	5.0 - 6.0	MONSTERA	5.0 - 6.0	CLARKIA	6.0 - 6.5	PERIWINKLE	6.0 - 7.5
POMEGRANATE	5.5 - 6.5	BLACK-EYED SUSAN	5.5 - 7.5	MYRTLE	6.0 - 8.0	CLIANTHUS	6.0 - 7.5	PETUNIA	6.0 - 7.5
QUINCE	6.0 - 7.5	BLOOD LEAF	5.5 - 6.5	NEVER NEVER PLANT	5.0 - 6.0	CLEMATIS	5.5 - 7.0	PINKS	6.0 - 7.5
RASPBERRY	5.0 - 7.5	BOTTLEBRUSH	6.0 - 7.5	NICODEMIA (INDOOR OAK)	6.0 - 8.0	COLCHICUM	5.5 - 6.5	POLYGONUM	6.0 - 7.5
RHUBARB	5.5 - 7.0	BOUGAINVILLEA	5.5 - 7.5	NORFOLK ISLAND PINE	5.0 - 6.0	COLUMBINE	6.0 - 7.0	POLYANTHUS	6.0 - 7.5
STRAWBERRY	5.0 - 7.5	BOXWOOD	6.0 - 7.5	OLEANDER	6.0 - 7.5	CONVOLVULUS	6.0 - 8.0	POPPY	6.0 - 7.5
WATERMELON	5.5 - 6.5	BROMELIADS	5.0 - 7.5	OPLISMENUS	5.0 - 6.0	COREOPSIS	5.0 - 6.0	PORTULACA	5.5 - 7.5
VEGETABLES AND HERBS		BUTTERFLY FLOWER	6.0 - 7.5	ORCHID	4.5 - 5.5	DAHLIA	6.0 - 7.5	PRIMROSE	5.5 - 6.5
ARTICHOKE	6.5 - 7.5	CACTI	4.5 - 6.0	OXALIS	6.0 - 8.0	CORYDALIS	6.0 - 8.0	PRIMULA	6.0 - 7.5
ASPARAGUS	6.0 - 8.0	CALCAOLARIA	6.0 - 7.0	PALMS	6.0 - 7.5	COSMOS	5.0 - 8.0	PRIVET	5.0 - 7.5
BASIL	5.5 - 6.5	CALADIUM	5.0 - 6.0	PANDANUS	5.0 - 6.0	COTTONEASTER	6.0 - 8.0	PRUNELLA	6.0 - 7.5
BEAN	6.0 - 7.5	CALLA LILY	6.0 - 7.0	PEACOCK PLANT	5.0 - 6.0	CRAB APPLE	6.0 - 7.5	PRUNUS	6.5 - 7.5
(Runner, Broad, French)		CAMELIA	4.5 - 5.5	PELLIONIA	5.0 - 6.0	CROCUS	6.0 - 8.0	PYRETHRUM	6.0 - 7.5
BEETROOT	6.0 - 7.5	CAMPANULA	5.5 - 6.5	PEPEROMIA	5.0 - 6.0	CYNOGLOSSUM	6.0 - 7.5	RED HOT POKER	6.0 - 7.5
BROCCOLI	6.0 - 7.0	CAPSICUM	5.0 - 6.5	PHILODENDRON	5.0 - 6.0	DAFFODIL	6.0 - 6.5	RHODODENDREN	4.5 - 6.0
BRUSSELS SPROUTS	6.0 - 7.5	CARDINAL FLOWER	5.0 - 6.0	PILEA	6.0 - 8.0	DAY LILY	6.0 - 8.0	ROSES:	
CABBAGE	6.0 - 7.5	CASTOR OIL PLANT	5.5 - 6.5	PLUMBAGO	5.5 - 6.5	DELPHINIUM	6.0 - 7.5	HYBRID TEA	5.5 - 7.0
CALABRESE	6.5 - 7.5	CANTURY PLANT	5.0 - 6.5	PODACARPUS	5.0 - 6.5	DEUTZIA	6.0 - 7.5	CLIMBING	6.0 - 7.0
CARROT	5.5 - 7.0	CHINESE EVERGREEN	5.0 - 6.0	POINTSETTIA	6.0 - 7.5	DIANTHUS	6.0 - 7.5	RAMBLING	5.5 - 7.0
CAULIFLOWER	5.5 - 7.5	CHINESE PRIMROSE	6.0 - 7.5	POLYSCIAS	6.0 - 7.5	DOGWOOD	5.0 - 7.0	SALVIA	6.0 - 7.5
CELERY	6.0 - 7.0	CHRISTMAS CACTUS	5.0 - 6.5	POTHOS	5.0 - 6.0	EDELWEISS	6.5 - 7.5	SCABIOSA	5.0 - 7.5
CHICORY	5.0 - 6.5	CINERARIA	5.5 - 7.0	PRAYER PLANT	5.0 - 6.0	ELAEAGNUS	5.0 - 7.5	SEDUM	6.0 - 7.5
CHINESE CABBAGE	6.0 - 7.5	CLERODENDRUM	5.0 - 6.0	PUNICA	5.5 - 6.5	ENKIANTHUS	5.0 - 6.0	SNAPDRAGON	5.5 - 7.0
CHIVES	6.0 - 7.0	CLIVIA	5.5 - 6.5	SANSERIERIA	4.5 - 7.0	ERICA	4.5 - 6.0	SNOWDROP	6.0 - 8.0
CORN - SWEET	5.5 - 7.0	COCKSCOMB	6.0 - 7.0	SAXIFRAGA	6.0 - 8.0	EUPHORBIA	6.0 - 7.0	SOAPWORT	6.0 - 7.5
CRESS	6.0 - 7.0	COFFEE PLANT	5.0 - 6.0	SCINDAPSUS	5.0 - 6.0	EVERLASTINGS	5.0 - 6.0	SPEEDWELL	5.5 - 6.5
COURGETTES	5.5 - 7.0	COLEUS	6.0 - 7.0	SHRIMP PLANT	6.0 - 7.0	FIRETHORN	6.0 - 8.0	SPIRAEA	6.0 - 7.5
CUCUMBER	5.5 - 7.5	COLUMNNEA	4.5 - 5.5	SPANISH BAYONET	6.0 - 7.5	FORGET-ME-NOTS	6.0 - 7.0	SPRUCE	4.0 - 5.0
FENNEL	5.0 - 6.0	CORAL BERRY	5.5 - 7.5	SPIDER PLANT	6.0 - 7.5	FORSYTHIA	6.0 - 8.0	STOCK	6.0 - 7.5
GARLIC	5.5 - 7.5	CRASSULA	5.0 - 6.0	SUCCULENTS	5.0 - 6.5	FOXGLOVE	6.0 - 7.5	STONECROP	6.5 - 7.5
GINGER	6.0 - 8.0	CREEPING FIG	5.0 - 6.0	SYNOGONIUM	5.0 - 6.0	FRITILLARIA	6.0 - 7.5	SUMACK	5.0 - 6.5
HORSERADISH	6.0 - 7.0	CROTON	5.0 - 6.0	TOLMIEA	5.0 - 6.0	FUCHSIA	5.5 - 7.5	SUNFLOWER	5.0 - 7.0
KALE	6.0 - 7.5	CROWN OF THORNS	6.0 - 7.5	TRADESCANTIA	5.0 - 6.0	GAILLARDIA	6.0 - 7.5	SWEET PEA	6.0 - 7.5
KOHLRABI	6.0 - 7.5	CUPHEA	6.0 - 7.5	UMBRELLA TREE	5.0 - 7.5	GAZANIA	5.5 - 7.0	SWEET WILLIAM	6.0 - 7.5
LEEK	6.0 - 8.0	CYCLAMEN	6.0 - 7.0	VENUS FLYTRAP	4.0 - 5.0	GENTIANA	5.0 - 7.5	TAMARIX	6.5 - 8.0
LENTIL	5.5 - 7.0	CYPERUS	5.0 - 7.5	WEeping FIG	5.0 - 6.0	GEUM	6.0 - 7.5	TRILLIUM	5.0 - 6.5
LETTUCE	6.0 - 7.0	DIEFFENBACHIA	5.0 - 6.0	YUCCA	6.0 - 7.5	GLADIOOLI	6.0 - 7.0	TULIP	6.0 - 7.0
MARJORAM	6.0 - 8.0	DIPLADENIA	6.0 - 7.5	ZEBRINA	5.0 - 6.0	GLOBULARIA	5.5 - 7.0	VIBERNUM	5.0 - 7.5
MARROW	6.0 - 7.5	DIZGOTHECA	6.0 - 7.5	FLOWERS, TREES AND SHRUBS		ABELIA	6.0 - 8.0	VIOLA	5.5 - 6.5
MILLET	6.0 - 6.5	DRACAENA	5.0 - 6.0	ABELIA	6.0 - 8.0	ACACIA	6.0 - 8.0	VIRGINIA CREEPER	5.0 - 7.5
MINT	7.0 - 8.0	EASTER LILY	6.0 - 7.0	ACANTHUS	6.0 - 7.0	ACONITUM	5.0 - 6.0	WALLFLOWER	5.5 - 7.5
MUSHROOM	6.5 - 7.5	ELEPHANT'S EAR	5.0 - 6.0	ADONIS	6.0 - 8.0	ADONIS	6.0 - 8.0	WATER LILY	5.5 - 6.5
MUSTARD	6.0 - 7.5	EPISCIA	6.0 - 7.0	AGERATUM	6.0 - 7.5	AILANTHUS	6.0 - 7.5	WEIGELIA	6.0 - 7.5
OLIVE	5.5 - 6.5	EUONYMUS	6.0 - 8.0	AILANTHUS	6.0 - 7.5	ALANTHUS	6.0 - 7.5	WISTARIA	6.0 - 8.0
ONION	6.0 - 7.0	FERNS:		AJUGA	4.0 - 6.0	ALTHEA	6.0 - 7.5	ZINNIA	5.5 - 7.5
PAPRIKA	7.0 - 8.5	BIRD'S NEST	5.0 - 5.5	ALYSSUM	6.0 - 7.5	ALYSSUM	6.0 - 7.5	TURF AND ORNAMENTAL GRASSES	
PARSLEY	5.0 - 7.0	BOSTON	5.5 - 6.5	AMARANTHUS	6.0 - 6.5	ANCHUSA	6.0 - 7.5	BAHAI	6.5 - 7.5
PARSNIP	5.5 - 7.5	BUTTON	6.0 - 8.0	ANDROSACE	5.0 - 6.0	ANEMONE	6.0 - 7.5	BENT	5.5 - 6.5
PEA	6.0 - 7.5	CHRISTMAS	6.0 - 7.5	ANTHYLLIS	5.0 - 6.0	ANEMONE	6.0 - 7.5	BERMUDA	6.0 - 7.0
PEANUT	5.0 - 6.5	CLOAK	6.0 - 7.5	ARBUTUS	4.0 - 6.0	ARENARIA	6.0 - 8.0	CANADA BLUE	4.5 - 6.4
PECAN	4.0 - 6.0	FEATHER	5.5 - 6.5	ARENARIA	6.0 - 8.0	ARISTEA	6.0 - 7.5	CLOVER	6.0 - 7.0
PEPPER	5.5 - 7.0	HART'S TONGUE	7.0 - 8.0	ARISTEA	6.0 - 7.5	ARNICA	5.0 - 6.5	KENTUCKY BLUE	6.0 - 7.5
PEPPERMINT	6.0 - 7.5	HOLLY	4.5 - 6.0	ARNICA	5.0 - 6.5	LABURNUM	6.0 - 7.0	MEADOWY	6.0 - 7.5
PISTACHIO	5.0 - 6.0	MAIDENHAIR	6.0 - 8.0	LABURNUM	6.0 - 7.0			PAMPAS	6.0 - 8.0
POTATO	4.5 - 6.0	RABBITS FOOT	6.0 - 7.5					RED TOP	6.0 - 6.5
POTATO - SWEET	5.5 - 6.0	SPLEENWORT	6.0 - 7.5					RYE	6.0 - 7.0
PUMPKIN	5.5 - 7.5	FIG	5.0 - 6.0					ST. AUGUSTINE	6.5 - 7.5
RADISH	6.0 - 7.0	FITTONIA	5.5 - 6.5					TALL FESCUE	6.0 - 7.0
RICE	5.0 - 6.5	FREESIA	6.0 - 7.5					VELVET BENT	5.0 - 6.0
ROSEMARY	5.0 - 6.0	GARDENIA	5.0 - 6.0					ZOYSIA	6.0 - 7.0

Soil Test Kit Questions and Answers

Question: I tested my soil, the pH test worked, but the rest of the results are clear. What's wrong?

1. An error has been made in the testing process.
2. Nutrient levels are too low for the test to indicate.
3. The capsules have absorbed too much moisture prior to being used. The reaction has already occurred within the capsule itself.

Question: My pH test result came out dark blue, there is no blue on the pH color chart.

1. The water being used to perform the test is alkaline. Recommend distilled water for the testing process.
2. The soil pH is higher than 7.5. The color results change from greens to blues to purples as the pH rises.

Question: I got results on all but the Nitrogen portion of the kit.

1. Nitrogen leaches out of the soil very quickly, especially in sandy soil.
2. The form of Nitrogen the kit tests for is Nitrate, the form used by plants. Nitrate is formed through the natural Nitrogen cycle within the soil. It is possible to have Nitrogen present in the soil in a non-testable form.

Question: I tested fertilizer with the kit and still got no reaction!

The kit detects only the form of the nutrient used by the plant. These nutrients must break down to the form tested for, through the natural bacterial action and decay processes in the soil. In most cases fertilizers will not test correctly.

Question: I fertilized my soil as recommended in your instructions and then re-tested. My readings didn't change.

Because the nutrients need to break down, we recommend two to four weeks between fertilizing and re-testing.

Question: My soil will not settle to the bottom in the soil/water solution I've mixed.

Although the directions read the soil and water should settle for at least 10 minutes before proceeding, there is no harm in letting the soil settle much longer. Suggest the consumer mix the soil and water the evening or even the day before testing. Some very fine clay soil will not settle. For these few homeowners, the kit will not work.

Question: The testing capsule didn't dissolve.

The capsules must be opened and the testing powder poured into the test tube. There isn't enough water present to dissolve the capsule.

Question: The color result I got doesn't match any on the color chart.

1. If the result is the same "color" but a different "shade" it's a matter of a judgment decision between the different nutrient levels.
2. The consumer may have inadvertently used the wrong capsule for the test in question.

In most cases we offer to send the consumer additional reagent capsules for re-testing. If an error was made in the first testing process, it's generally corrected the second time through.

HoldAll®
Decorative Plant Accessories

40 TESTS
DIRECTIONS INSIDE

SOIL TEST KIT

Tests Your Soil for a Healthy Garden

• pH • Nitrogen(N) • Phosphorus(P) • Potassium(K) •

WHY TEST YOUR SOIL?

Plants need food (nutrients) for healthy growth. Nitrogen, Phosphorus and Potash (N, P and K for short), play a vital role in plant growth just as vitamins, minerals, carbohydrates and protein do in our health.

HOW TO TEST YOUR SOIL

For the new and experienced soil testers alike, you will appreciate this easy, fast and fun way to achieve better growing results from your gardening efforts!

Everything is color-coded, including the tubes and capsules. All you do is take a sample of soil, mix with water, add powder from capsule, shake and watch the color develop. Then, note your test results. Fast, easy and it only takes a few minutes!

WHEN TO TEST YOUR SOIL

Soil should be tested periodically throughout the growing season, but it is especially recommended to test before planting in Spring and when preparing beds in Fall. And, if you feel your plants are not growing well, a soil test may help.

Included in the kit are:

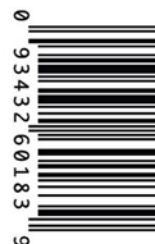
40 test capsules, 10 each for pH, N, P and K, Four (4) Color-coded Test Tubes, Test Tube Storage Dock, complete instructions for adjusting soil pH, fertilization guidelines and pH preference list for over 450 plants for the home, yard and garden.

Soil Test Kit Components
Complete Instruction booklet Inside.



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Assembled in USA from
Foreign and Domestic parts



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| Appendix H

P.O. Box 62228 Midland TX 79711 Tel: 432-563-2200 Fax: 432-563-2213

Abe Valladares

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, February 3, 2026 12:10 PM
To: Erick Herrera
Cc: Raley, Jim; geo; Bratcher, Michael, EMNRD; Hall, Brittany, EMNRD
Subject: RE: [EXTERNAL] Happy Valley Compressor Station (nAPP2520425249), Boundary Raider 5 Federal #231H (nAPP2501341167)

Hi Erick,

OCD will accept the updated site maps and the explanation for the square footage discrepancies below. Please include the actual field notes and/or data that was collected on November 12, 2025 when you went out to the field to verify the measurements and submit those with the closure reports.

Kind regards,

Shelly

Shelly Wells * Senior Environmental Scientist
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Erick Herrera <erick@etechenv.com>
Sent: Wednesday, January 28, 2026 12:59 PM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Raley, Jim <jim.rale@dv.com>; geo <geo@etechenv.com>
Subject: [EXTERNAL] Happy Valley Compressor Station (nAPP2520425249), Boundary Raider 5 Federal #231H (nAPP2501341167)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon Shelly,

Following a thorough review, Etech Environmental & Safety Solutions (Etech), on behalf of Devon Energy Production Co. LP (Devon) has identified the root cause of the discrepancies between the GIS measurements and the values reported by the PDF measurement tool used to calculate the approximate square feet (sqft) for the Happy Valley Compressor Station Incident Number (nAPP2520425249) and the Boundary Raider 5 Federal #231H Incident Number (nAPP2501341167). Etech had been using the standard Web Mercator Auxiliary Sphere 1984 projection, as noted in the NMOCD Oil and Gas Map User Guide (**Attachment 1** pg. 1), which is the standard projection for web mapping for on-site workflow. We identified a projection-related discrepancy between GIS measurements and PDF area measurements for both sites. The root cause was the use of the WGS 1984 Web Mercator Auxiliary Sphere Projection Coordinate System for PDF exports. Exporting to PDF under this projection can distort the area which produces incorrect coordinates and measurements in

the PDF file. As a result, there are apparent discrepancies between the PDF measuring tool results and the GIS-based measurements, as noted in the following GIS technical support link ([ESRI Technical Support](#)).

To further evaluate the excavation measurements, Etech conducted a field-based verification on November 12th, 2025, measuring the excavation area using a Rolatape distance measuring wheel at the Happy Valley Compressor Station. The observed field measurements were consistent with the GIS measurements, indicating that the GIS data is a reliable basis for measurement. As such, it is apparent that the PDF projection export contributed to the misalignment and/or area distortion, and as a result, the PDF measurements did not reflect the same GIS measurements. At the request of the NMOCD, Devon and Etech would be highly receptive to coordinating an on-site verification of measurement for the sites. It should be noted that the GIS measurements (areas and distances) remain accurate when used with the approved GIS projection for field operations. However, if the PDF export uses the Web Mercator Auxiliary Sphere, then the PDF area measurements may differ.

We updated the export workflow to ensure that PDF exports reflect measurements consistent with our GIS data and field data collection. We have corrected the issue in the attached PDFs for the excavations located on the pad at the Happy Valley Compressor Station and Boundary Raider 5 Federal #231H. Based on field verification and GIS square footage measurements, the total square footage for the excavation(s) at the Happy Valley Compressor Station measured approximately 8,028 sqft. Etech acknowledges that, given this total, three confirmation soil sampling floors were missing from the original 38 collected floors. Etech has since collected these samples from the backfilled excavation(s) and has achieved vertical delineation for PH11; both vertical and horizontal delineation at the Site is complete. Etech will submit a follow-up Site Characterization Remediation Work Plan (SCRP) reflecting these updates and respectfully requests that the NMOCD acknowledge the excavation dimensions shown in the attached PDF (approximately 8,028 sqft) prior to submitting the follow-up report for the Happy Valley Compressor Station. Based on the total sqft at Boundary Raider 5 Federal #231H, the combined excavations total approximately 12,023 sqft. A sampling variance request was approved for 400 sqft per soil floor sample in the [SCRP](#), on May 7th, 2025, which required approximately 31 floor samples to be collected from the excavations. Etech respectfully requests that the sqft shown in the attached PDF (approximately 12,023 sqft) at the Boundary Raider 5 Federal #231H be acknowledged and accepted by the NMOCD prior to submitting a follow-up Closure Request Report addressing the other conditions from the most recent rejection.

Etech has re-exported the PDF site maps using the appropriate map projection and respectfully requests a secondary review from the NMOCD for both Incidents in question. Please do not hesitate to reach out with any questions and/or set up a meeting to discuss this further to help advance remediation progress related to these incidents.

Thank you,



Erick Herrera

Operations Manager, EGTG

Consultant, Geologist

Etech Environmental & Safety Solutions, Inc.

W: (432) 305-6416

C: (281) 777-4152

Abe Valladares

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Friday, December 19, 2025 4:41 PM
To: Erick Herrera
Cc: Raley, Jim; geo; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] Devon Energy Extension Request - Boundary Raider 5 Federal #231H (nAPP2501341167)

Hi Erick,

A 90-day extension is approved for nAPP2501341167 BOUNDARY RAIDER 5 FEDERAL #231H. A remediation closure report must be submitted to the OCD Permitting website no later than March 24, 2026. Please include a copy of this and all notifications in the report to ensure the notifications are documented in the project file.

As for the meeting, I will reach out to both you and Anna Byers next week in order to set up a time that works for all parties.

Kind regards,

Shelly

Shelly Wells * Senior Environmental Scientist
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Erick Herrera <erick@etechenv.com>
Sent: Friday, December 19, 2025 9:20 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; ocdonline, emnrd, EMNRD <emnrd.ocdonline@emnrd.nm.gov>
Cc: Raley, Jim <jim.rale@dmv.com>; geo <geo@etechenv.com>
Subject: [EXTERNAL] Devon Energy Extension Request - Boundary Raider 5 Federal #231H (nAPP2501341167)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good morning,

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Devon Energy Production Co. LP (Devon), respectfully requests a 90-day extension for a report currently due on December 24th, 2025, associated with Incident Number nAPP2501341167 at the Boundary Raider 5 Federal #231H (Site). Etech would like to schedule a meeting to discuss the methodology used for square footage calculations associated with the most recent denial response and compare it with those in Etech's Site Characterization Remediation Plan (SCRIP). Etech is currently awaiting meeting schedule details with the NMOCD for a separate incident to confirm how square footage is being calculated. Since the reviewers of both incidents are the same, Etech would be glad to address any related questions or align on approaches during that meeting, if convenient.

To allow sufficient time to schedule a meeting and prepare a complete corrective action report based on the meeting outcome, Devon requests a 90-day extension of the deadline to December 24th, 2025, to March 24th, 2026, for Incident Number nAPP2501341167.

Thank you,



Erick Herrera

Operations Manager, EGTG

Consultant, Geologist

Etech Environmental & Safety Solutions, Inc.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
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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 447372

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 447372
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2501341167
Incident Name	NAPP2501341167 BOUNDARY RAIDER 5 FEDERAL #231H @ 30-025-45068
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-45068] BOUNDARY RAIDER 5 FEDERAL #231H

Location of Release Source	
Site Name	BOUNDARY RAIDER 5 FEDERAL #231H
Date Release Discovered	01/12/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	15,863
What is the estimated number of samples that will be gathered	90
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/03/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions.
Please provide any information necessary for navigation to sampling site	From the intersection of Red Rd and Mills Ranch Rd head East for approximately 0.4 mi, continue straight on Mills Ranch Rd for 1.9 mi to arrive at the Boundary Raider 5 Federal #231H (32.32603,-103.7018)

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CONDITIONS

Action 447372

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 447372
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	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.	3/31/2025

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QUESTIONS

Action 488345

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 488345
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2501341167
Incident Name	NAPP2501341167 BOUNDARY RAIDER 5 FEDERAL #231H @ 30-025-45068
Incident Type	Oil Release
Incident Status	Remediation Plan Approved
Incident Well	[30-025-45068] BOUNDARY RAIDER 5 FEDERAL #231H

Location of Release Source	
Site Name	BOUNDARY RAIDER 5 FEDERAL #231H
Date Release Discovered	01/12/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	11,854
What is the estimated number of samples that will be gathered	35
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/30/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions.
Please provide any information necessary for navigation to sampling site	From the intersection of Red Rd and Mills Ranch Rd head East for approximately 0.4 mi, continue straight on Mills Ranch Rd for 1.9 mi to arrive at the Boundary Raider 5 Federal #231H (32.32603,-103.7018)

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CONDITIONS

Action 488345

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 488345
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	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.	7/24/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	7/24/2025

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QUESTIONS

Action 495164

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 495164
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2501341167
Incident Name	NAPP2501341167 BOUNDARY RAIDER 5 FEDERAL #231H @ 30-025-45068
Incident Type	Oil Release
Incident Status	Remediation Plan Approved
Incident Well	[30-025-45068] BOUNDARY RAIDER 5 FEDERAL #231H

Location of Release Source	
Site Name	BOUNDARY RAIDER 5 FEDERAL #231H
Date Release Discovered	01/12/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	11,854
What is the estimated number of samples that will be gathered	5
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/15/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions.
Please provide any information necessary for navigation to sampling site	From the intersection of Red Rd and Mills Ranch Rd head East for approximately 0.4 mi, continue straight on Mills Ranch Rd for 1.9 mi to arrive at the Boundary Raider 5 Federal #231H (32.32603,-103.7018)

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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505**

CONDITIONS

Action 495164

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 495164
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	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.	8/12/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	8/12/2025

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Santa Fe, NM 87505

QUESTIONS

Action 566200

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 566200
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2501341167
Incident Name	NAPP2501341167 BOUNDARY RAIDER 5 FEDERAL #231H @ 30-025-45068
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-45068] BOUNDARY RAIDER 5 FEDERAL #231H

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	BOUNDARY RAIDER 5 FEDERAL #231H
Date Release Discovered	01/12/2025
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Well Crude Oil Released: 10 BBL Recovered: 9 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Well Produced Water Released: 26 BBL Recovered: 24 BBL Lost: 2 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)	Packing leak on wellhead allowed release of approx 36 bbls to pad surface. Majority of fluids recovered. No impacts offsite.

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QUESTIONS, Page 2

Action 566200

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 566200
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 03/25/2026
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QUESTIONS, Page 3

Action 566200

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 566200
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	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	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	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	Yes

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

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

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

Chloride (EPA 300.0 or SM4500 Cl B)	65600
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	25500
GRO+DRO (EPA SW-846 Method 8015M)	18800
BTEX (EPA SW-846 Method 8021B or 8260B)	4.1
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	07/31/2025
On what date will (or did) the final sampling or liner inspection occur	08/31/2025
On what date will (or was) the remediation complete(d)	08/31/2025
What is the estimated surface area (in square feet) that will be reclaimed	5450
What is the estimated volume (in cubic yards) that will be reclaimed	101
What is the estimated surface area (in square feet) that will be remediated	11854
What is the estimated volume (in cubic yards) that will be remediated	286

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed. The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 566200

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 566200
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

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

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

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
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

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 03/25/2026
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 566200

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 566200
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 566200

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 566200
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	495170
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/18/2025
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	11854

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	12023
What was the total volume (cubic yards) remediated	292
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	5450
What was the total volume (in cubic yards) reclaimed	101
Summarize any additional remediation activities not included by answers (above)	The Site was remediated in accordance with and approved Remediation Plan, ultimately removing approximately 292 CY of residual impacted soil and has been backfilled with clean, locally sourced material, and recontoured to match the original conditions as close as possible. Prior to backfilling, stockpile soil samples were collected and submitted for lab analysis for constituents of concern identified by Table I.

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@dmv.com Date: 03/25/2026
--	--

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QUESTIONS, Page 7

Action 566200

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 566200
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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	No

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 566200

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 566200
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	4/6/2026