



209 W. McKay Street  
Carlsbad, New Mexico 88220  
Tel. 432-701-2159  
www.ntgenvironmental.com

April 22, 2025

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

Re: Site Characterization and Remediation Work Plan  
Devon Energy Production Company  
Boundary Raider 6-7 Federal Com #211H  
Unit D, Section 6, Township 23S, Range 32E  
Site Coordinates: 32.339248, -103.720365  
Lea County, New Mexico  
Incident ID: nAPP2504130500

## **Introduction**

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this Site Characterization and Remediation Work Plan for submittal to the New Mexico Oil Conservation Division (NMOCD) District 2 Office in Artesia, New Mexico to document site assessment, remedial action activities, and sample analysis results for release number: nAPP2504130500– Boundary Raider 6-7 Federal Com #211H (Site). The Site is in Unit Letter D, Section 6, of Township 23 South and Range 33 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.339248° N latitude and 103.720365° W longitude. The Site location with respect to the nearest town is shown on Figure 1 and the topography of the area is shown on Figure 2.

## **Background**

Based on the Release Notification C-141 Form, the release was discovered on February 7, 2025, and was due to an equipment failure. Upon discovery, the Site was shut-in and repairs ensued. The spill resulted in a release of approximately twenty-one (21) barrels (bbls) of crude oil of which twenty (20) bbls were recovered for an approximate net loss of one (1) bbls of crude oil. The release area is shown on Figure 3.

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## **Groundwater and Site Characterization**

Based on a review with the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) there is one known water well (C 04936) that was drilled in 2025, to a depth of fifty-five (55) feet (ft) below ground surface (bgs) where no ground water was encountered. No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or distance from the Site. According to the Karst Potential Map, the Site is located within a Low Karst area. The Site characterization documentation (Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) are attached to the report.

NTGE characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, from the New Mexico Administrative Code (NMCA) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12).

### ***General Site Characterization and Groundwater:***

Site Characterization	Average Groundwater Depth (ft)
Low Karst	>55

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

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	GRO+DRO	BTEX	Benzene
19.15.23.12 Remediation and Closure Criteria for Soils Impacted by a Release	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
Notes: --- = not defined					

## **Initial Soil Delineation Assessment Summary and Findings**

On March 24, 2025, NTGE conducted site assessment activities to assess the extent of impacts at the Site. Six (6) vertical sample points (V-1 through V-6) were installed within the release area, while ten (10) horizontal sample points (H-1 through H-10) were installed adjacent to the release area in order to characterize the impacts. Soil samples were collected at half-foot (0.5) intervals from depths ranging from zero (0) to four and a half (4.5) feet (ft) below ground surface (bgs) with a geotechnical hand auger. The hand auger was decontaminated with Alconox<sup>®</sup> and deionized water between soil samples to prevent cross-contamination. Soil samples were placed directly into laboratory provided samples containers, placed on ice, and transported under proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico for analysis of benzene, toluene, ethylbenzene, and xylene (BTEX) (by EPA Method 8021B), total petroleum hydrocarbon (TPH) (by EPA method 8015 modified), and chloride (method SM4500Cl-B or EPA 300.0). Analytical results indicated BTEX, TPH, and/or chloride concentrations were above NMOCD Table I Closure Criteria for soil samples V-1, V-3, and V-5 from surface to half a foot (0.5) ft bgs, V-2 and V-4 from surface to one and a half (1.5) ft, and V-6 from surface to two and a half (2.5) ft bgs. All other horizontal sample analytes were below NMOCD standards.

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Analytical results are included in Table 1, while soil boring locations are shown on Figure 3. The initial C-141, laboratory reports containing analytical methods and chain-of-custody documents are attached to the report.

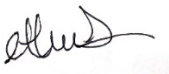
### **Proposed Work Plan**

After receiving and evaluating the soil boring data NTGE proposes to excavate the areas of V-1, V-3, and V-5 to a depth of one (1) ft bgs, the area of V-2 and V-4 excavated to a depth of two (2) ft bgs, and the area of V-6 to a depth of three (3) ft bgs to ensure that impacts exceeding the Table I criteria for 55 ft ground water are removed. NTGE proposes that all impacts from surface to four (4) ft bgs below the updated sampling criteria be left in situ and handled upon reclamation of the site. Approximately 329 cubic yards of impacted material will be excavated and transported offsite for disposal at an NMOCD approved landfill. The proposed excavation map is shown on Figure 4.

Upon completion of the excavation, confirmation samples will be taken with a five (5) point composite sample. Each sample will represent an area no greater than 200 square feet to comply with NMAC 19.15.23.12. Discrete soil samples will be collected from the sidewalls and bottom of the excavation if any staining is observed. All confirmation samples will be taken to a certified laboratory and analyzed for BTEX by EPA Method 8021B, TPH by EPA Method 8015B Modified, and chloride by SM4500 Cl -B. If any of the confirmation samples collected exhibit concentrations above regulatory standards set by NMAC 19.15.23.12, the areas will be further excavated until concentrations are below Table I Closure Criteria.

If you have any questions regarding this letter, please contact us at (432)-701-2159.

Sincerely,  
**NTG Environmental**



Ethan Sessums  
Jr. Field Ops Manager

Attachments:

- Tables
- Figures
- Photographic Log
- Site Characterization Documentation
- Laboratory Reports and Chain-of-Custody Documents

NTGE Project No.: 259740



## **TABLES**

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**Table 1**  
**Summary of Soil Analytical Data - Delineation Samples**  
**Boundary Raider 6-7 Federal Com #211H**  
**Devon Energy Production, LP**  
**Lea County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)		
			Table I Closure Criteria for Soil 55-100 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg		10,000 mg/kg
Vertical Delineation Samples														
V-1	3/24/2025	0-6"	<0.500	10.4	18.8	107	137	1,540	8,130	9,670	1,150	10,820	7,280	
	3/24/2025	1-1.5	0.112	2.23	1.31	7.42	11.1	140	828	968	162	1,130	336	
	3/24/2025	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	61.0	61.0	<10.0	61.0	96.0	
	3/24/2025	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160	
	3/24/2025	4-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0	
V-2	3/24/2025	0-6"	<0.500	10.2	19.2	109	138	1,570	8,380	9,950	1,200	11,150	6,400	
	3/24/2025	1-1.5	0.467	8.39	4.55	20.1	33.5	591	2,060	2,651	402	3,053	608	
	3/24/2025	2-2.5	<0.050	0.110	0.056	0.470	0.635	14.9	216	230.9	28.9	259.8	128	
	3/24/2025	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	25.9	25.9	<10.0	25.9	160	
	3/24/2025	4-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	52.0	52.0	<10.0	52.0	112	
V-3	3/24/2025	0-6"	21.6	145	56.3	241	464	5,290	16,200	21,490	3,030	24,520	6,400	
	3/24/2025	1-1.5	0.130	0.736	0.309	2.36	3.54	35.5	489.0	524.5	89	613.5	320	
	3/24/2025	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.0	15.0	<10.0	15.0	160	
	3/24/2025	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208	
	3/24/2025	4-4.5	<0.050	0.054	<0.050	0.172	0.226	<10.0	115	115	19.5	134.5	448	
V-4	3/24/2025	0-6"	21.6	130	49.1	218	418.7	4,370	20,400	24,770	4,290	29,060	12,200	
	3/24/2025	1-1.5	0.096	1.13	0.779	5.10	7.10	112	1,110	1,222	228	1,450	1,180	
	3/24/2025	2-2.5	<0.050	<0.050	<0.050	0.198	0.198	<10.0	132	132	28.8	160.8	288	
	3/24/2025	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272	
	3/24/2025	4-4.5	<0.050	0.156	0.128	0.778	1.062	21.9	290	311.9	55.4	367.3	608	
V-5	3/24/2025	0-6"	<2.00	27.5	16.2	74.4	118	1,470	4,040	5,510	742	6,252	1,200	
	3/24/2025	1-1.5	<0.050	0.171	0.118	0.640	0.929	14.8	192	206.8	34.1	240.9	176	
	3/24/2025	2-2.5	<0.050	0.345	0.369	2.04	2.754	66.8	633	699.8	131	830.8	1,540	
	3/24/2025	3-3.5	<0.050	0.074	0.091	0.624	0.789	19.8	428	448	88.3	536	896	
	3/24/2025	4-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	34.8	34.8	<10.0	34.8	96.0	
V-6	3/24/2025	0-6"	<0.050	0.687	1.14	7.41	9.237	341	26,900	27,241	7,270	34,511	11,000	
	3/24/2025	1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.2	18.2	<10.0	18.2	96.0	
	3/24/2025	2-2.5	0.093	2.14	1.73	9.00	13.0	177	1,470	1,647	308	1,955	448	
	3/24/2025	3-3.5	<0.050	0.155	0.152	0.952	1.26	23.4	649	672.4	184	856.4	400	
	3/24/2025	4-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	51.6	51.6	19.2	70.8	192	

**Table 1**  
**Summary of Soil Analytical Data - Delineation Samples**  
**Boundary Raider 6-7 Federal Com #211H**  
**Devon Energy Production, LP**  
**Lea County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil 55-100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	10,000 mg/kg
<b>Horizontal Delineation Samples</b>													
H-1	3/24/2025	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>26.3</b>	<b>26.3</b>	<b>13.4</b>	<b>39.7</b>	<b>288</b>
H-2	3/24/2025	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>97.3</b>	<b>97.3</b>	<b>45.1</b>	<b>142.4</b>	<b>400</b>
H-3	3/24/2025	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>29.9</b>	<b>29.9</b>	<b>10.5</b>	<b>40.4</b>	<b>272</b>
H-4	3/24/2025	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>130</b>	<b>130</b>	<b>32.9</b>	<b>162.9</b>	<b>496</b>
H-5	3/24/2025	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>87.2</b>	<b>87.2</b>	<b>21.8</b>	<b>109</b>	<b>416</b>
H-6	3/24/2025	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>97.4</b>	<b>97.4</b>	<b>27.6</b>	<b>125</b>	<b>384</b>
H-7	3/24/2025	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>178</b>	<b>178.0</b>	<b>58.9</b>	<b>236.9</b>	<b>560</b>
H-8	3/24/2025	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>140</b>	<b>140.0</b>	<b>39.4</b>	<b>179.4</b>	<b>448</b>
H-9	3/24/2025	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>75.7</b>	<b>75.7</b>	<b>14.7</b>	<b>90.4</b>	<b>384</b>
H-10	3/24/2025	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>73.7</b>	<b>73.7</b>	<b>19.0</b>	<b>92.7</b>	<b>336</b>

## Notes:

- Values reported in mg/kg
- < = Value Less Than Reporting Limit (RL)
- Bold indicates Analyte Detected
- BTEX analyses by EPA Method SW 8021B

5. TPH analyses by EPA Method SW 8015 Mod.

6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

8. --- Not Analyzed

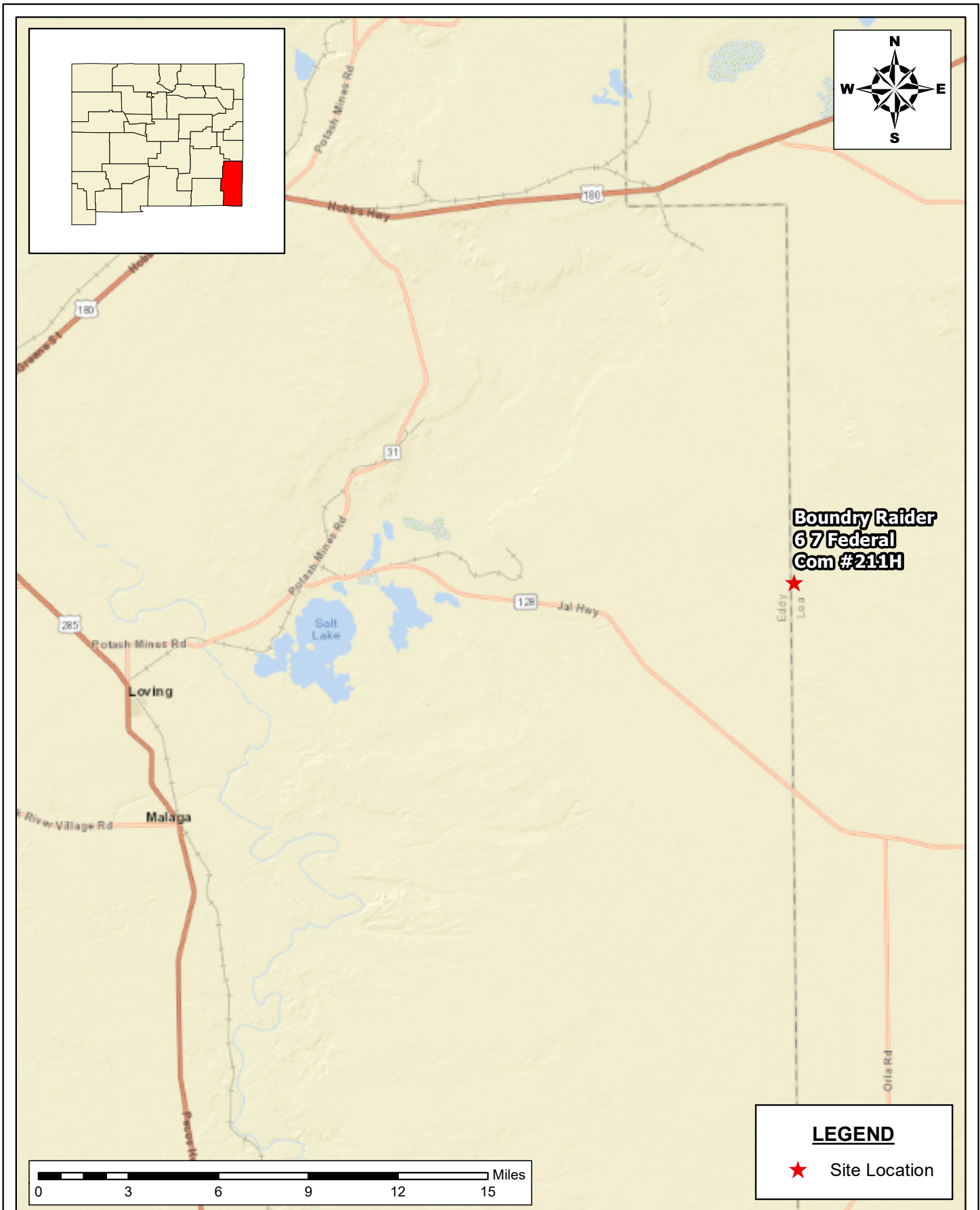
**SP-1**

Sample Point Excavated

## **FIGURES**

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**SITE LOCATION MAP  
SITE CHARACTERIZATION AND  
REMEDATION WORKPLAN  
BOUNDARY RAIDER 6-7 FED COM 211H  
DEVON ENERGY PRODUCTION CORPORATION  
LEA COUNTY, NEW MEXICO**

SCALE: As Shown Date: 2/12/2025 PROJECT #: 259740

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



**NOTES:**

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

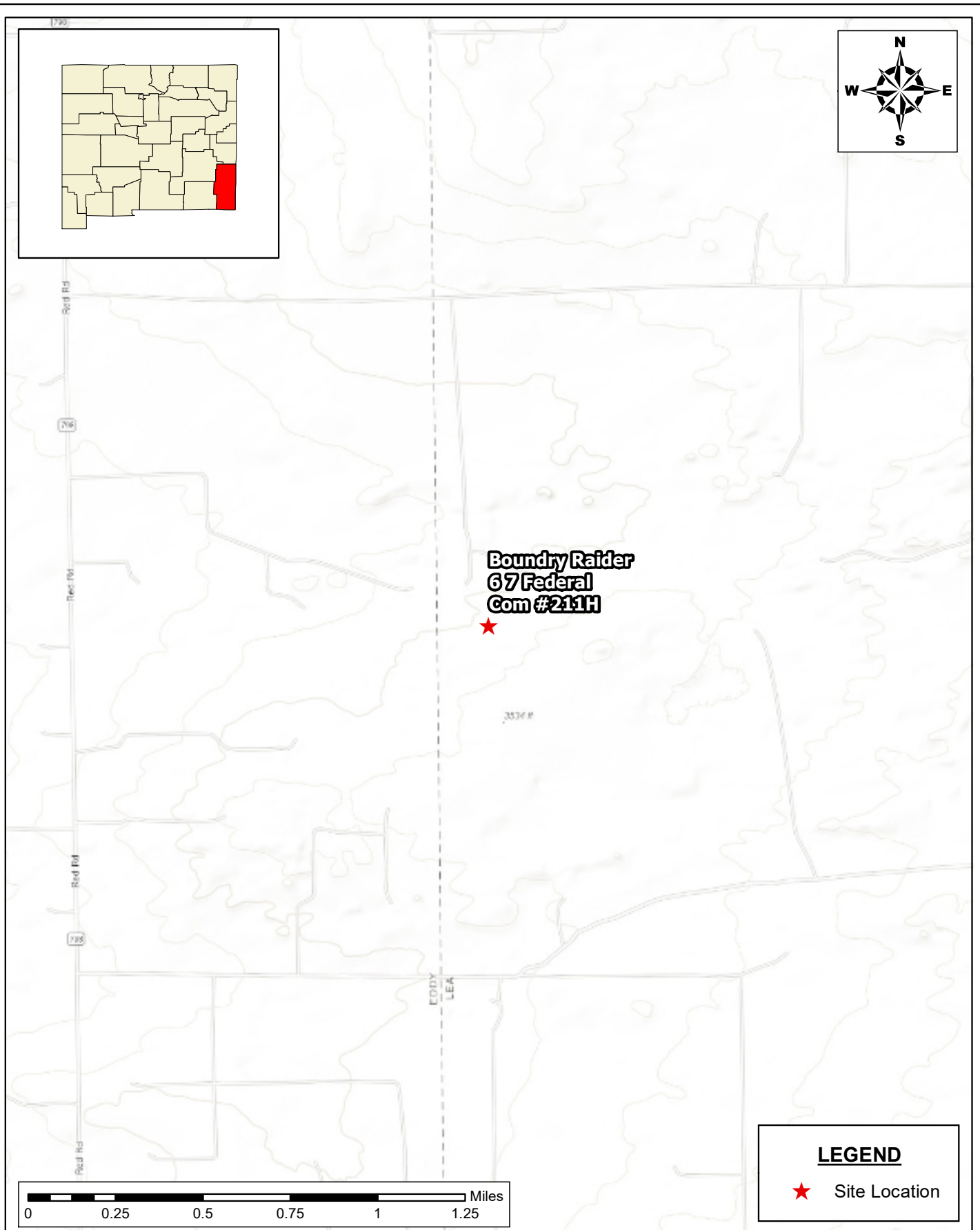
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**FIGURE 1**

SHEET NUMBER:

**1 of 1**

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**TOPOGRAPHIC MAP  
SITE CHARACTERIZATION AND  
REMEDATION WORKPLAN**  
BOUNDARY RAIDER 6-7 FED COM 211H  
DEVON ENERGY PRODUCTION CORPORATION  
LEA COUNTY, NEW MEXICO

SCALE: As Shown    Date: 2/12/2025    PROJECT #: 259740

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

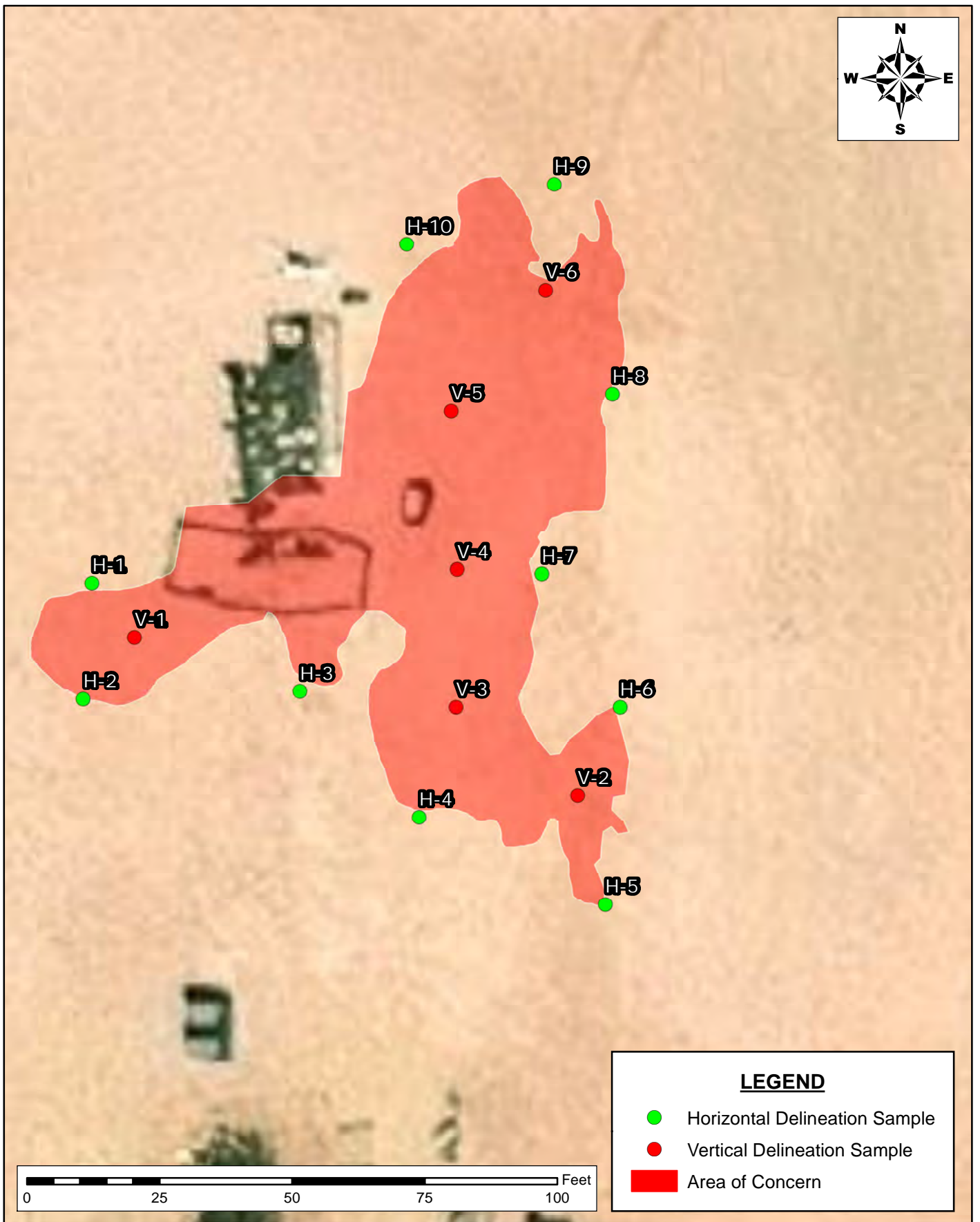
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**FIGURE 2**

SHEET NUMBER:

**1 of 1**

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**INITIAL ASSESSMENT MAP  
SITE CHARACTERIZATION AND  
REMEDATION WORKPLAN**  
DEVON ENERGY PRODUCTION COMPANY  
BOUNDARY RAIDER 6-7 FEDERAL COM #211H  
LEA COUNTY, NEW MEXICO

SCALE: As Shown Date: 4/4/2025 PROJECT #:259740

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**NOTES:**

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

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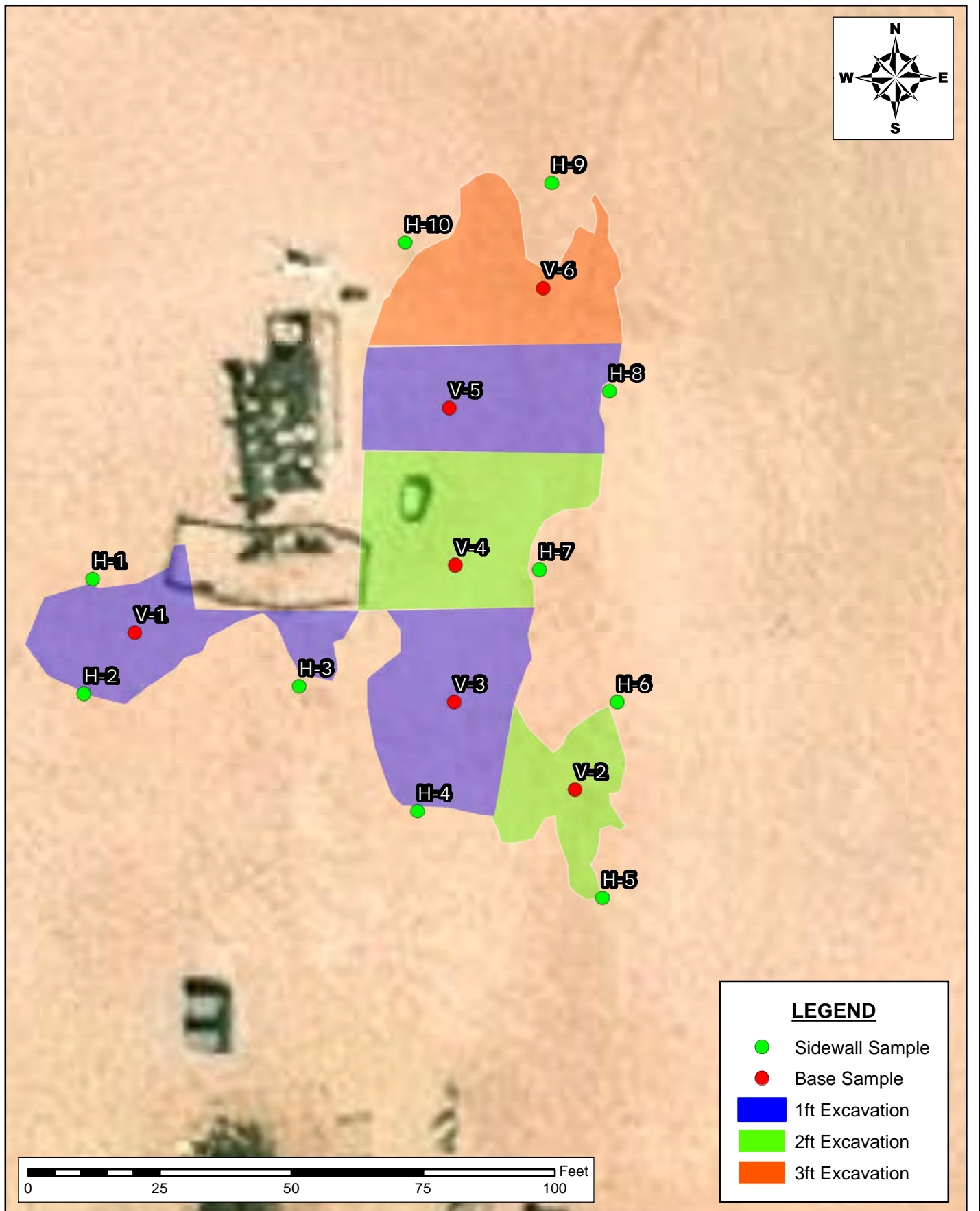
**FIGURE 3**

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**1 of 1**



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**PROPOSED EXCAVATION MAP  
SITE CHARACTERIZATION AND  
REMEDATION WORKPLAN**  
DEVON ENERGY PRODUCTION COMPANY  
BOUNDARY RAIDER 6-7 FEDERAL COM #211H  
LEA COUNTY, NEW MEXICO

SCALE: As Shown    Date: 4/4/2025    PROJECT #:259740

**New Tech Global Environmental, LLC**  
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Houston, Texas 77060  
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**NOTES:**

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

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**FIGURE 4**

SHEET NUMBER:

**1 of 1**

## Proposed Excavation Map

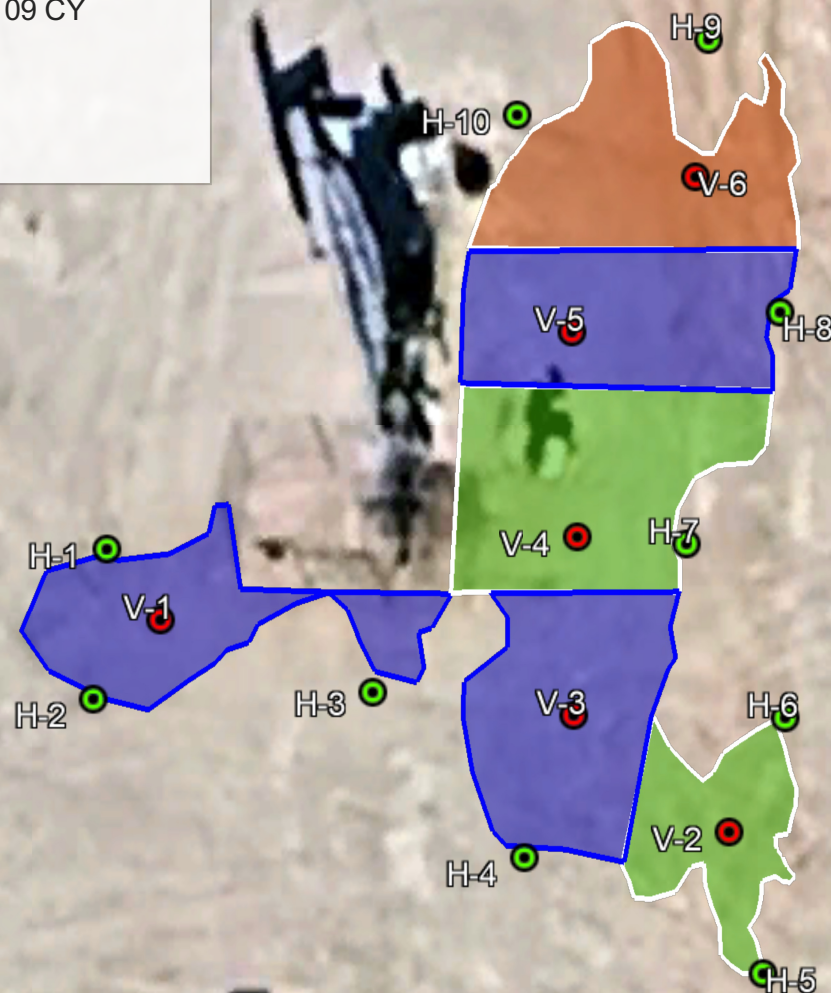
Devon Energy Production Company  
Boundary Raider 6-7 Federal Com #211H  
32.339243°, -103.720292°  
Lea County, New Mexico

Area of Blue: 2,620 sqft x 1ft ~ 97 CY  
Area of Green: 1,665 sqft x 2ft ~ 123 CY  
Area of Orange: 983 sqft x 3ft ~ 109 CY  
Total Excavated Volume: 329 CY

sqft - Square Feet  
CY - Cubic Yardage

### Legend

- 1ft Excavation
- 2ft Excavation
- 3ft Excavation
- Horizontal Delineation Sample Point
- Vertical Delineation Sample Point



Google Earth

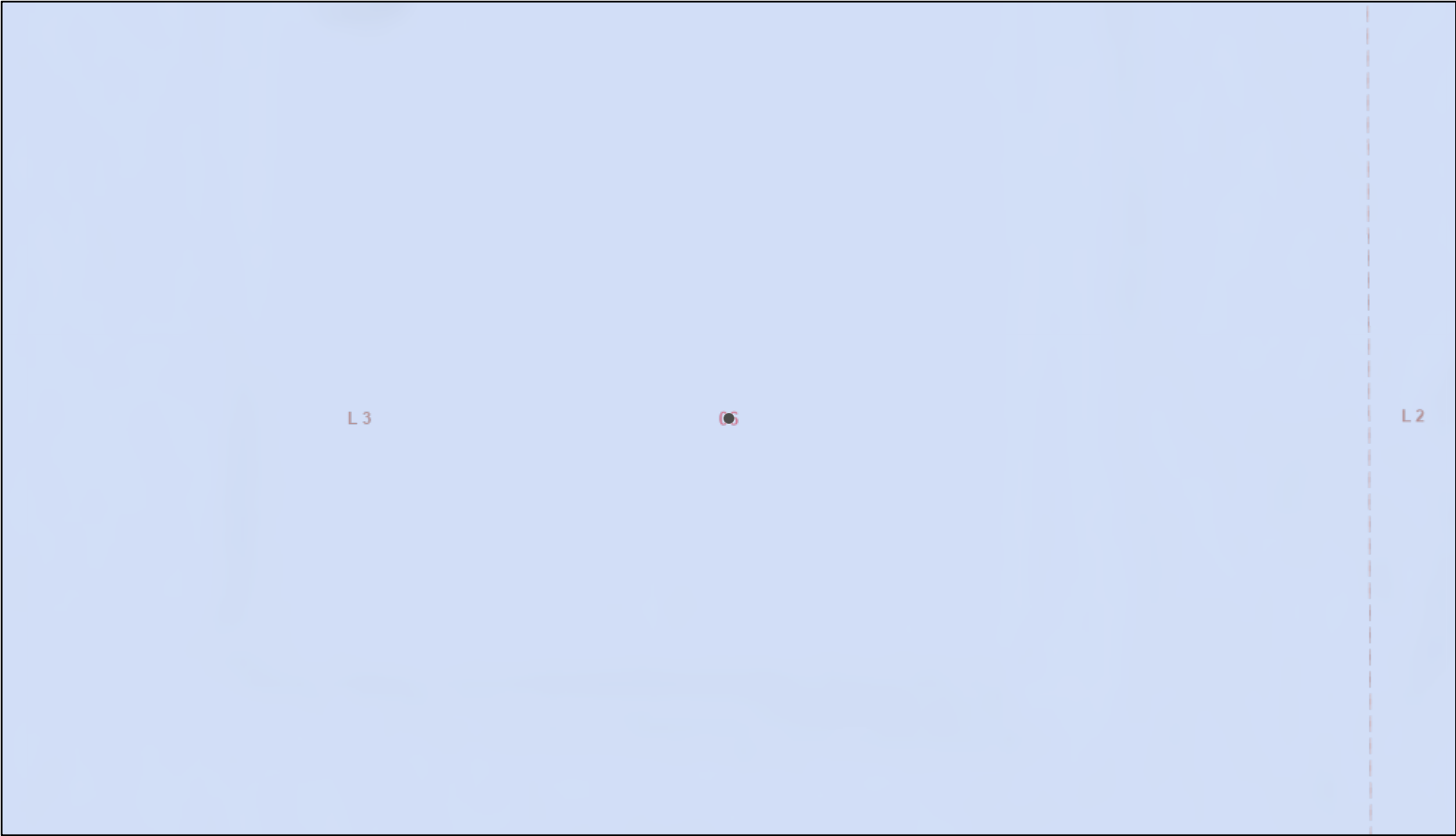




## **SITE CHARACTERIZATION INFORMATION**

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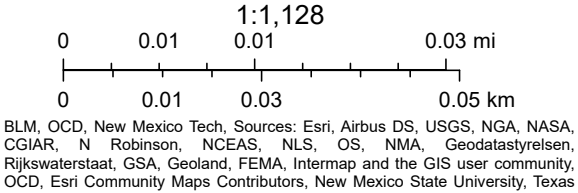
# Karst Potential Map



2/12/2025, 9:17:17 AM

Karst Occurrence Potential

	Low		PLSS Second Division
			PLSS First Division



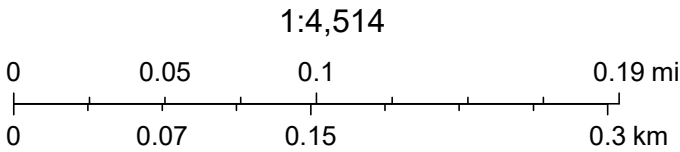


# OSE POD Location Map



4/22/2025, 11:46:28 AM

Override 1      ● Plugged  
GIS WATERS PODs New Mexico State Trust Lands  
● Pending       Both Estates



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community





# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod-1		WELL TAG ID NO.		OSE FILE NO(S) C-04936		
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-885-7541		
	WELL OWNER MAILING ADDRESS 5315 Buena Vista Dr.				CITY Carlsbad		STATE NM
					ZIP 88220		
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 20	SECONDS 22.88	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
	LONGITUDE 103	42	58.77	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE U/L C S-6 T-23S R-32E							
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 2/25/25		DRILLING ENDED 2/25/25		DEPTH OF COMPLETED WELL (FT) 55'	BORE HOLE DEPTH (FT) 55'	DEPTH WATER FIRST ENCOUNTERED (FT) Dry
	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) DRY	DATE STATIC MEASURED 3/3/25
	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) FROM TO		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)
				No casing left in hole			
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)		AMOUNT (cubic feet)	METHOD OF PLACEMENT
				N/A			

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

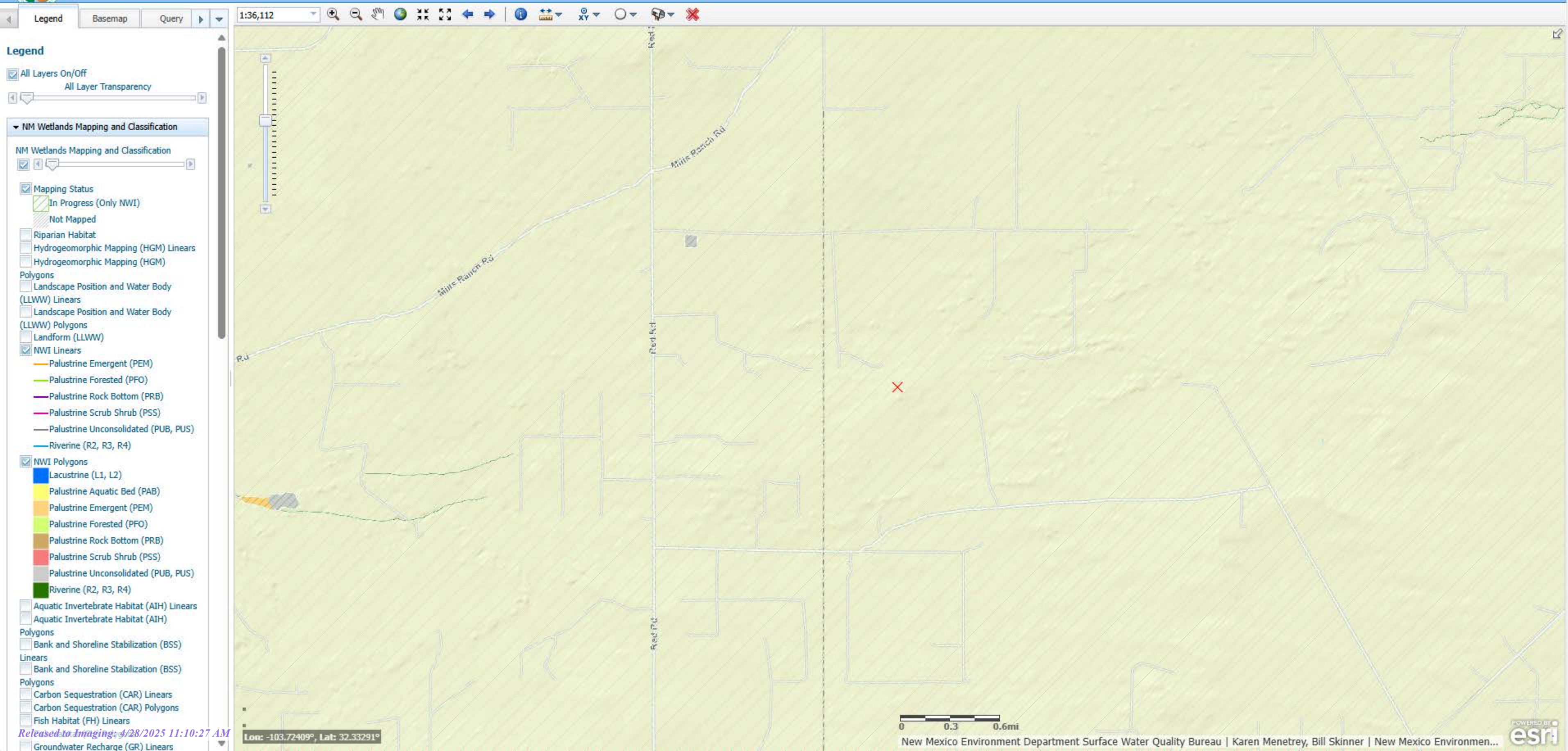
FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES <b>(attach supplemental sheets to fully describe all units)</b>	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)	
	FROM	TO					
4. HYDROGEOLOGIC LOG OF WELL	0	5	5	loose sandy caliche	Y    ✓ N		
	5	10	5	caliche	Y    ✓ N		
	10	40	30	gray loose sandy clay	Y    ✓ N		
	40	45	5	reddish gray sandy clay	Y    ✓ N		
	45	50	5	pinkish gray clay	Y    ✓ N		
	50	55	5	red consolidated clay	Y    ✓ N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):	
	<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					0	

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: Well bore was drilled 2/25/25, gauged on 3/3/25, well bore was dry, casing was removed and bore was plugged in accordance with the approved PPOO on 3/3/25	
	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:	
	 James Hawley	3/4/25
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME	DATE







Legend

Basemap

Query

1:144,448

Legend

All Layers On/Off

All Layer Transparency

NM Wetlands Mapping and Classification

M Wetlands Mapping and Classification

Mapping Status

In Progress (Only NWI)

Not Mapped

Riparian Habitat

Hydrogeomorphic Mapping (HGM) Linears

Riverine

Hydrogeomorphic Mapping (HGM) Polygons

Depressional

Flats

Lacustrine Fringe

Riverine

Slope

Landscape Position and Water Body (LLWW) Linears

Lentic (LE)

Lotic River (LR)

Lotic Stream (LS)

Pond (PD)

River (RV)

Stream (ST)

Terrene (TE)

Landscape Position and Water Body (LLWW) Polygons

Lentic (LE)

Lake (LK)

Lotic River (LR)

Lotic Stream (LS)

Pond (PD)

River (RV)

Stream (ST)

Terrene (TE)

Landform (LLWW)

Basin

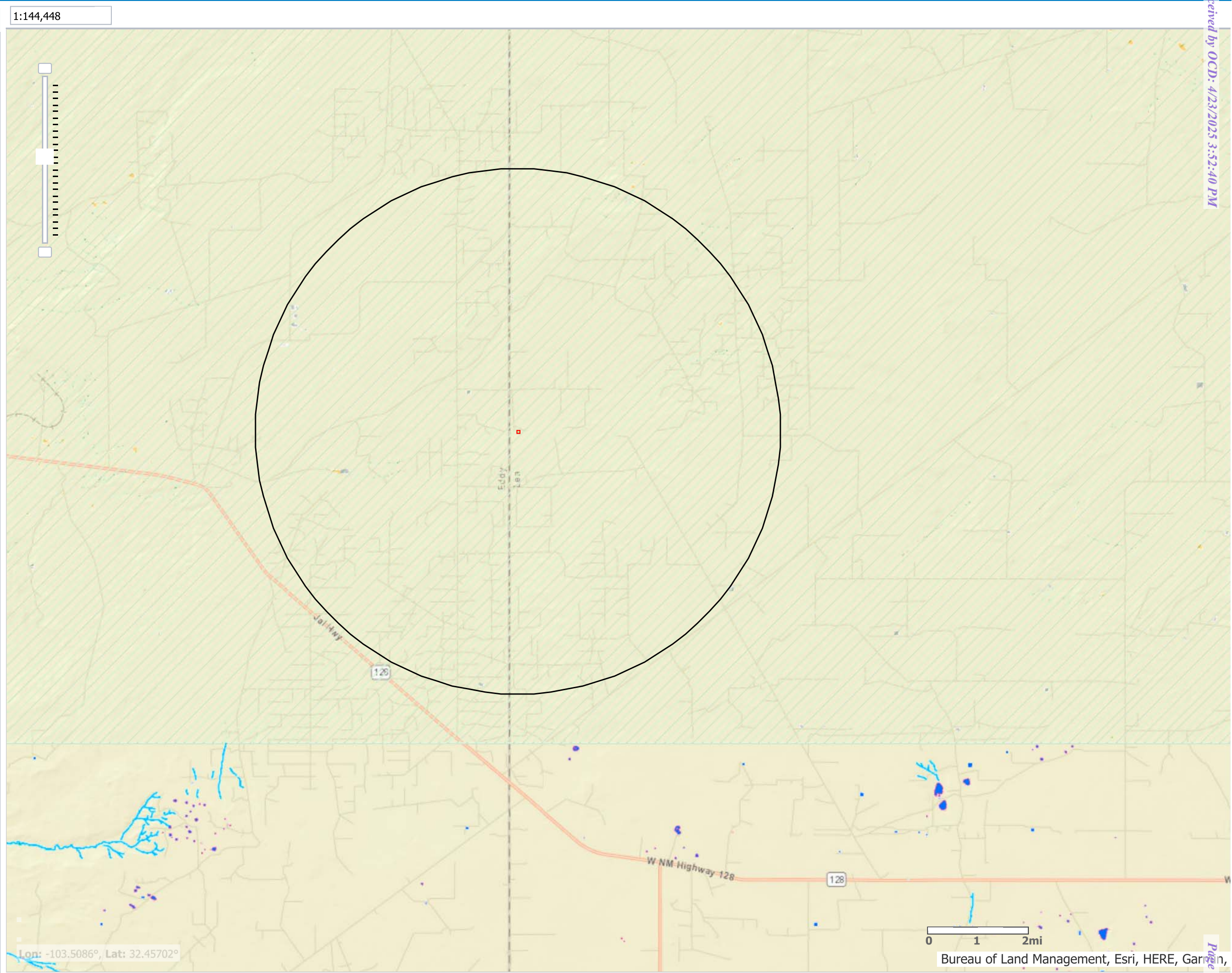
Flat

Floodplain

Fringe

Island

Slope





# National Flood Hazard Layer FIRMette



103°43'13"W 32°20'36"N



1:6,000

103°42'36"W 32°20'6"N

## Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/12/2025 at 3:05 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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





U.S. Fish and Wildlife Service

## National Wetlands Inventory

## Wetlands Map



February 12, 2025

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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

## **PHOTOGRAPHIC LOG**

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## PHOTOGRAPHIC LOG

### Devon Energy Production Company

---

#### Photograph No. 1

**Facility:** Boundary Raider 6-7 Federal Com  
#211H

**County:** Lea County, New Mexico

**Description:**  
Aerial View of release (Drone Imagery)



---

#### Photograph No. 2

**Facility:** Boundary Raider 6-7 Federal Com  
#211H

**County:** Lea County, New Mexico

**Description:**  
Aerial View of release (Drone Imagery)



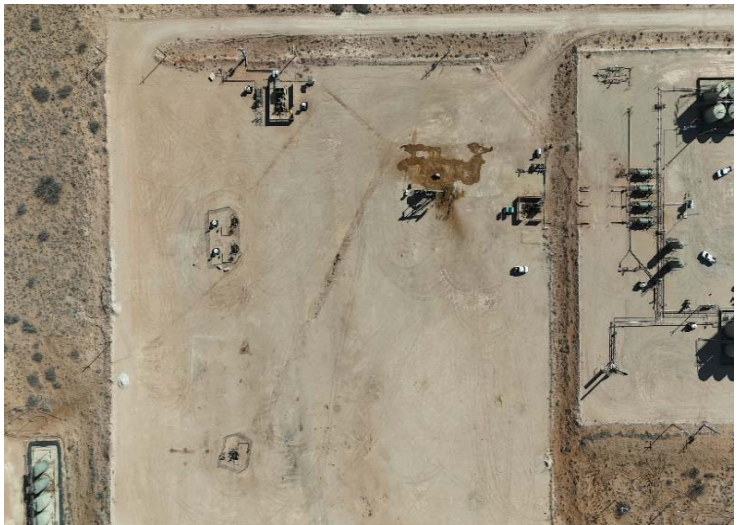
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#### Photograph No. 3

**Facility:** Boundary Raider 6-7 Federal Com  
#211H

**County:** Lea County, New Mexico

**Description:**  
Aerial View of release (Drone Imagery)



## PHOTOGRAPHIC LOG

### Devon Energy Production Company

#### Photograph No. 4

**Facility:** Boundary Raider 6-7 Federal Com #211H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern



#### Photograph No. 5

**Facility:** Boundary Raider 6-7 Federal Com #211H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern



#### Photograph No. 6

**Facility:** Boundary Raider 6-7 Federal Com #211H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern





# PHOTOGRAPHIC LOG

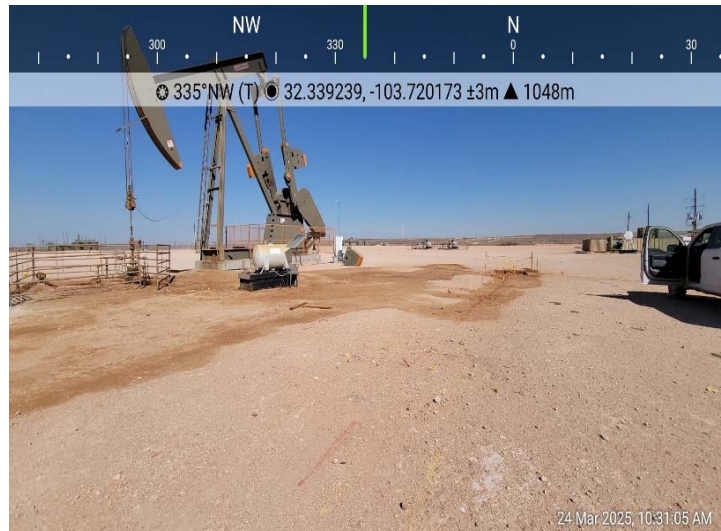
## Devon Energy Production Company

**Photograph No. 7**

**Facility:** Boundary Raider 6-7 Federal Com #211H

**County:** Lea County, New Mexico

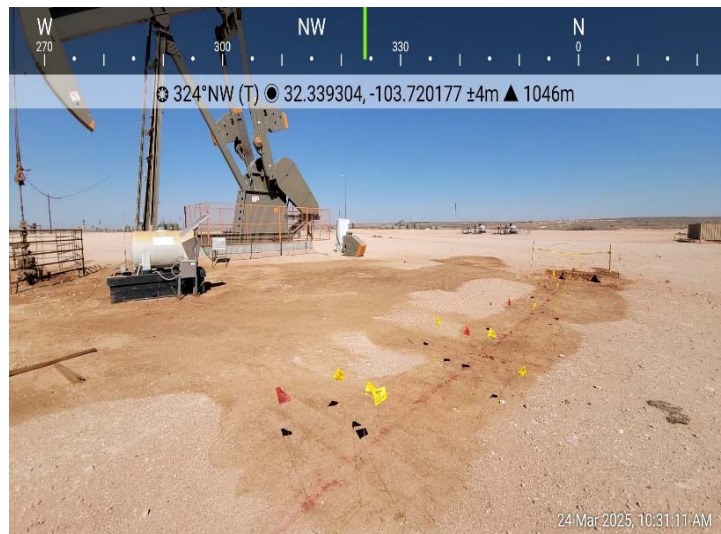
**Description:**  
Area of Concern

**Photograph No. 8**

**Facility:** Boundary Raider 6-7 Federal Com #211H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern

**Photograph No. 9**

**Facility:** Boundary Raider 6-7 Federal Com #211H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern



## PHOTOGRAPHIC LOG

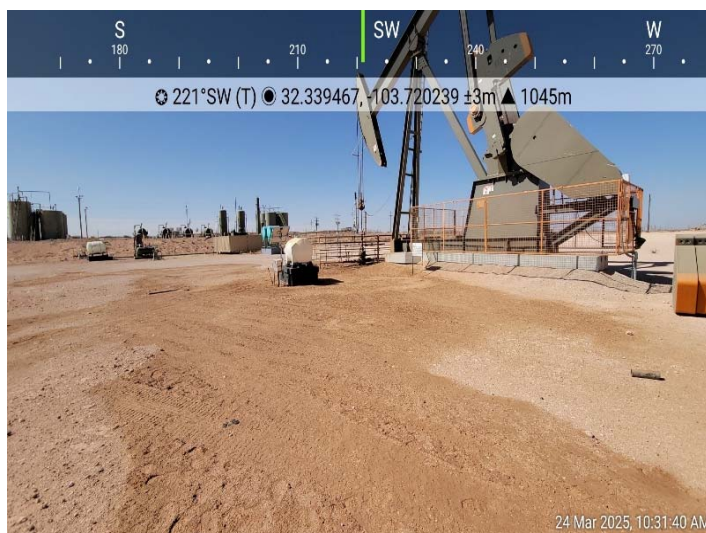
### Devon Energy Production Company

#### Photograph No. 10

**Facility:** Boundary Raider 6-7 Federal Com #211H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern



#### Photograph No. 11

**Facility:** Boundary Raider 6-7 Federal Com #211H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern



#### Photograph No. 12

**Facility:** Boundary Raider 6-7 Federal Com #211H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern



## **LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS**



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

March 28, 2025

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: BOUNDARY RAIDER 6 - 7 FED 211

Enclosed are the results of analyses for samples received by the laboratory on 03/24/25 13:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 1 0-6" (H251709-01)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	03/26/2025	ND	1.89	94.7	2.00	2.38	
<b>Toluene*</b>	<b>10.4</b>	0.500	03/26/2025	ND	1.97	98.5	2.00	1.32	
<b>Ethylbenzene*</b>	<b>18.8</b>	0.500	03/26/2025	ND	1.95	97.7	2.00	0.429	
<b>Total Xylenes*</b>	<b>107</b>	1.50	03/26/2025	ND	6.06	101	6.00	0.459	
<b>Total BTEX</b>	<b>137</b>	3.00	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 166 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>7280</b>	16.0	03/25/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>1540</b>	10.0	03/25/2025	ND	197	98.5	200	0.0462	
<b>DRO &gt;C10-C28*</b>	<b>8130</b>	10.0	03/25/2025	ND	186	93.0	200	1.12	
<b>EXT DRO &gt;C28-C36</b>	<b>1150</b>	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 271 % 44.4-145

Surrogate: 1-Chlorooctadecane 173 % 40.6-153

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 1 1-1.5' (H251709-02)**

BTX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.112</b>	0.050	03/26/2025	ND	1.89	94.7	2.00	2.38	
<b>Toluene*</b>	<b>2.23</b>	0.050	03/26/2025	ND	1.97	98.5	2.00	1.32	
<b>Ethylbenzene*</b>	<b>1.31</b>	0.050	03/26/2025	ND	1.95	97.7	2.00	0.429	
<b>Total Xylenes*</b>	<b>7.42</b>	0.150	03/26/2025	ND	6.06	101	6.00	0.459	
<b>Total BTX</b>	<b>11.1</b>	0.300	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 151 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>336</b>	16.0	03/25/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>140</b>	10.0	03/25/2025	ND	197	98.5	200	0.0462	
<b>DRO &gt;C10-C28*</b>	<b>828</b>	10.0	03/25/2025	ND	186	93.0	200	1.12	
<b>EXT DRO &gt;C28-C36</b>	<b>162</b>	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 114 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 1 2-2.5' (H251709-03)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.89	94.7	2.00	2.38		
Toluene*	<0.050	0.050	03/26/2025	ND	1.97	98.5	2.00	1.32		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	1.95	97.7	2.00	0.429		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.06	101	6.00	0.459		
Total BTX	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/25/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	197	98.5	200	0.0462	
DRO >C10-C28*	61.0	10.0	03/25/2025	ND	186	93.0	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 90.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.4 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 1 3-3.5' (H251709-04)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.89	94.7	2.00	2.38		
Toluene*	<0.050	0.050	03/26/2025	ND	1.97	98.5	2.00	1.32		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	1.95	97.7	2.00	0.429		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.06	101	6.00	0.459		
Total BTX	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/25/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	197	98.5	200	0.0462	
DRO >C10-C28*	<10.0	10.0	03/25/2025	ND	186	93.0	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 96.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.6 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 1 4-4.5' (H251709-05)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.89	94.7	2.00	2.38		
Toluene*	<0.050	0.050	03/26/2025	ND	1.97	98.5	2.00	1.32		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	1.95	97.7	2.00	0.429		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.06	101	6.00	0.459		
Total BTX	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/25/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	197	98.5	200	0.0462	
DRO >C10-C28*	<10.0	10.0	03/25/2025	ND	186	93.0	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 95.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.7 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 2 0-6" (H251709-06)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	03/26/2025	ND	1.89	94.7	2.00	2.38	
<b>Toluene*</b>	<b>10.2</b>	0.500	03/26/2025	ND	1.97	98.5	2.00	1.32	
<b>Ethylbenzene*</b>	<b>19.2</b>	0.500	03/26/2025	ND	1.95	97.7	2.00	0.429	
<b>Total Xylenes*</b>	<b>109</b>	1.50	03/26/2025	ND	6.06	101	6.00	0.459	
<b>Total BTEX</b>	<b>138</b>	3.00	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 169 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>6400</b>	16.0	03/25/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>1570</b>	10.0	03/25/2025	ND	197	98.5	200	0.0462	
<b>DRO &gt;C10-C28*</b>	<b>8380</b>	10.0	03/25/2025	ND	186	93.0	200	1.12	
<b>EXT DRO &gt;C28-C36</b>	<b>1200</b>	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 274 % 44.4-145

Surrogate: 1-Chlorooctadecane 181 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 2 1-1.5' (H251709-07)**

BTX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.467</b>	0.050	03/26/2025	ND	1.89	94.7	2.00	2.38	
<b>Toluene*</b>	<b>8.39</b>	0.050	03/26/2025	ND	1.97	98.5	2.00	1.32	
<b>Ethylbenzene*</b>	<b>4.55</b>	0.050	03/26/2025	ND	1.95	97.7	2.00	0.429	
<b>Total Xylenes*</b>	<b>20.1</b>	0.150	03/26/2025	ND	6.06	101	6.00	0.459	
<b>Total BTX</b>	<b>33.5</b>	0.300	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 182 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>608</b>	16.0	03/25/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>591</b>	10.0	03/25/2025	ND	197	98.5	200	0.0462	
<b>DRO &gt;C10-C28*</b>	<b>2060</b>	10.0	03/25/2025	ND	186	93.0	200	1.12	
<b>EXT DRO &gt;C28-C36</b>	<b>402</b>	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 139 % 44.4-145

Surrogate: 1-Chlorooctadecane 116 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 2 2-2.5' (H251709-08)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2025	ND	1.89	94.7	2.00	2.38	
Toluene*	0.110	0.050	03/26/2025	ND	1.97	98.5	2.00	1.32	
Ethylbenzene*	0.056	0.050	03/26/2025	ND	1.95	97.7	2.00	0.429	
Total Xylenes*	0.470	0.150	03/26/2025	ND	6.06	101	6.00	0.459	
Total BTX	0.635	0.300	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/25/2025	ND	416	104	400	7.41	

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	14.9	10.0	03/25/2025	ND	197	98.5	200	0.0462	
DRO >C10-C28*	216	10.0	03/25/2025	ND	186	93.0	200	1.12	
EXT DRO >C28-C36	28.9	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 95.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 2 3-3.5' (H251709-09)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2025	ND	1.89	94.7	2.00	2.38	
Toluene*	<0.050	0.050	03/26/2025	ND	1.97	98.5	2.00	1.32	
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	1.95	97.7	2.00	0.429	
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.06	101	6.00	0.459	
Total BTX	<0.300	0.300	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/25/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	197	98.5	200	0.0462	
DRO >C10-C28*	25.9	10.0	03/25/2025	ND	186	93.0	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 98.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 2 4-4.5' (H251709-10)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.89	94.7	2.00	2.38		
Toluene*	<0.050	0.050	03/26/2025	ND	1.97	98.5	2.00	1.32		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	1.95	97.7	2.00	0.429		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.06	101	6.00	0.459		
Total BTX	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/25/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	197	98.5	200	0.0462	
DRO >C10-C28*	52.0	10.0	03/25/2025	ND	186	93.0	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 99.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.8 % 40.6-153

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 3 0-6" (H251709-11)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>21.6</b>	1.00	03/26/2025	ND	1.89	94.7	2.00	2.38	
<b>Toluene*</b>	<b>145</b>	1.00	03/26/2025	ND	1.97	98.5	2.00	1.32	
<b>Ethylbenzene*</b>	<b>56.3</b>	1.00	03/26/2025	ND	1.95	97.7	2.00	0.429	
<b>Total Xylenes*</b>	<b>241</b>	3.00	03/26/2025	ND	6.06	101	6.00	0.459	
<b>Total BTEX</b>	<b>464</b>	6.00	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 140 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>6400</b>	16.0	03/25/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>5290</b>	100	03/26/2025	ND	197	98.5	200	0.0462	
<b>DRO &gt;C10-C28*</b>	<b>16200</b>	100	03/26/2025	ND	186	93.0	200	1.12	
<b>EXT DRO &gt;C28-C36</b>	<b>3030</b>	100	03/26/2025	ND					

Surrogate: 1-Chlorooctane 594 % 44.4-145

Surrogate: 1-Chlorooctadecane 339 % 40.6-153

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 3 1-1.5' (H251709-12)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.130	0.050	03/26/2025	ND	1.89	94.7	2.00	2.38	
Toluene*	0.736	0.050	03/26/2025	ND	1.97	98.5	2.00	1.32	
Ethylbenzene*	0.309	0.050	03/26/2025	ND	1.95	97.7	2.00	0.429	
Total Xylenes*	2.36	0.150	03/26/2025	ND	6.06	101	6.00	0.459	
Total BTEX	3.54	0.300	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	03/25/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	35.5	10.0	03/25/2025	ND	197	98.5	200	0.0462	
DRO >C10-C28*	489	10.0	03/25/2025	ND	186	93.0	200	1.12	
EXT DRO >C28-C36	89.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 98.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.0 % 40.6-153

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 3 2-2.5' (H251709-13)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.89	94.7	2.00	2.38		
Toluene*	<0.050	0.050	03/26/2025	ND	1.97	98.5	2.00	1.32		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	1.95	97.7	2.00	0.429		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.06	101	6.00	0.459		
Total BTX	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/25/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	197	98.5	200	0.0462	
DRO >C10-C28*	15.0	10.0	03/25/2025	ND	186	93.0	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 97.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.2 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 3 3-3.5' (H251709-14)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.89	94.7	2.00	2.38		
Toluene*	<0.050	0.050	03/26/2025	ND	1.97	98.5	2.00	1.32		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	1.95	97.7	2.00	0.429		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.06	101	6.00	0.459		
Total BTX	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	03/25/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	190	95.2	200	0.102	
DRO >C10-C28*	<10.0	10.0	03/25/2025	ND	171	85.6	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 89.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 3 4-4.5' (H251709-15)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.89	94.7	2.00	2.38		
Toluene*	0.054	0.050	03/26/2025	ND	1.97	98.5	2.00	1.32		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	1.95	97.7	2.00	0.429		
Total Xylenes*	0.172	0.150	03/26/2025	ND	6.06	101	6.00	0.459		
Total BTX	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	03/25/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	190	95.2	200	0.102	
DRO >C10-C28*	115	10.0	03/25/2025	ND	171	85.6	200	2.26	
EXT DRO >C28-C36	19.5	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 80.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 4 0-6" (H251709-16)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>21.6</b>	1.00	03/26/2025	ND	1.89	94.7	2.00	2.38	
<b>Toluene*</b>	<b>130</b>	1.00	03/26/2025	ND	1.97	98.5	2.00	1.32	
<b>Ethylbenzene*</b>	<b>49.1</b>	1.00	03/26/2025	ND	1.95	97.7	2.00	0.429	
<b>Total Xylenes*</b>	<b>218</b>	3.00	03/26/2025	ND	6.06	101	6.00	0.459	
<b>Total BTEX</b>	<b>418</b>	6.00	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 137 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>12200</b>	16.0	03/25/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>4370</b>	100	03/26/2025	ND	190	95.2	200	0.102	
<b>DRO &gt;C10-C28*</b>	<b>20400</b>	100	03/26/2025	ND	171	85.6	200	2.26	
<b>EXT DRO &gt;C28-C36</b>	<b>4290</b>	100	03/26/2025	ND					

Surrogate: 1-Chlorooctane 192 % 44.4-145

Surrogate: 1-Chlorooctadecane 318 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 4 1-1.5' (H251709-17)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.096</b>	0.050	03/26/2025	ND	1.89	94.7	2.00	2.38	
<b>Toluene*</b>	<b>1.13</b>	0.050	03/26/2025	ND	1.97	98.5	2.00	1.32	
<b>Ethylbenzene*</b>	<b>0.779</b>	0.050	03/26/2025	ND	1.95	97.7	2.00	0.429	
<b>Total Xylenes*</b>	<b>5.10</b>	0.150	03/26/2025	ND	6.06	101	6.00	0.459	
<b>Total BTEX</b>	<b>7.10</b>	0.300	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 146 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1180</b>	16.0	03/25/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>122</b>	10.0	03/25/2025	ND	190	95.2	200	0.102	
<b>DRO &gt;C10-C28*</b>	<b>1110</b>	10.0	03/25/2025	ND	171	85.6	200	2.26	
<b>EXT DRO &gt;C28-C36</b>	<b>228</b>	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 97.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.2 % 40.6-153

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 4 2-2.5' (H251709-18)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.97	98.5	2.00	3.93		
Toluene*	<0.050	0.050	03/26/2025	ND	2.03	102	2.00	0.633		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.27	114	2.00	2.45		
<b>Total Xylenes*</b>	<b>0.198</b>	0.150	03/26/2025	ND	6.85	114	6.00	2.63		
Total BTEX	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	03/25/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	190	95.2	200	0.102	
DRO >C10-C28*	132	10.0	03/25/2025	ND	171	85.6	200	2.26	
EXT DRO >C28-C36	28.8	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 88.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 4 3-3.5' (H251709-19)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2025	ND	1.97	98.5	2.00	3.93	
Toluene*	<0.050	0.050	03/26/2025	ND	2.03	102	2.00	0.633	
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.27	114	2.00	2.45	
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.85	114	6.00	2.63	
Total BTEx	<0.300	0.300	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	03/25/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	190	95.2	200	0.102	
DRO >C10-C28*	<10.0	10.0	03/25/2025	ND	171	85.6	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 80.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 4 4-4.5' (H251709-20)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2025	ND	1.97	98.5	2.00	3.93	
Toluene*	0.156	0.050	03/26/2025	ND	2.03	102	2.00	0.633	
Ethylbenzene*	0.128	0.050	03/26/2025	ND	2.27	114	2.00	2.45	
Total Xylenes*	0.778	0.150	03/26/2025	ND	6.85	114	6.00	2.63	
Total BTX	1.06	0.300	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	03/25/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	21.9	10.0	03/25/2025	ND	190	95.2	200	0.102	
DRO >C10-C28*	290	10.0	03/25/2025	ND	171	85.6	200	2.26	
EXT DRO >C28-C36	55.4	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 82.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.5 % 40.6-153

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 5 0-6" (H251709-21)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/26/2025	ND	1.97	98.5	2.00	3.93	
Toluene*	27.5	2.00	03/26/2025	ND	2.03	102	2.00	0.633	
Ethylbenzene*	16.2	2.00	03/26/2025	ND	2.27	114	2.00	2.45	
Total Xylenes*	74.4	6.00	03/26/2025	ND	6.85	114	6.00	2.63	
Total BTEX	118	12.0	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	03/25/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1470	10.0	03/25/2025	ND	190	95.2	200	0.102	
DRO >C10-C28*	4040	10.0	03/25/2025	ND	171	85.6	200	2.26	
EXT DRO >C28-C36	742	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 142 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 5 1-1.5' (H251709-22)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.97	98.5	2.00	3.93		
Toluene*	0.171	0.050	03/26/2025	ND	2.03	102	2.00	0.633		
Ethylbenzene*	0.118	0.050	03/26/2025	ND	2.27	114	2.00	2.45		
Total Xylenes*	0.640	0.150	03/26/2025	ND	6.85	114	6.00	2.63		
Total BTEX	0.929	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/25/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	14.8	10.0	03/25/2025	ND	190	95.2	200	0.102	
DRO >C10-C28*	192	10.0	03/25/2025	ND	171	85.6	200	2.26	
EXT DRO >C28-C36	34.1	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 86.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 5 2-2.5' (H251709-23)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.97	98.5	2.00	3.93		
Toluene*	0.345	0.050	03/26/2025	ND	2.03	102	2.00	0.633		
Ethylbenzene*	0.369	0.050	03/26/2025	ND	2.27	114	2.00	2.45		
Total Xylenes*	2.04	0.150	03/26/2025	ND	6.85	114	6.00	2.63		
Total BTEx	2.76	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1540	16.0	03/25/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	66.8	10.0	03/25/2025	ND	190	95.2	200	0.102	
DRO >C10-C28*	633	10.0	03/25/2025	ND	171	85.6	200	2.26	
EXT DRO >C28-C36	131	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 83.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 5 3-3.5' (H251709-24)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2025	ND	1.97	98.5	2.00	3.93	
Toluene*	<b>0.074</b>	0.050	03/26/2025	ND	2.03	102	2.00	0.633	
Ethylbenzene*	<b>0.091</b>	0.050	03/26/2025	ND	2.27	114	2.00	2.45	
Total Xylenes*	<b>0.624</b>	0.150	03/26/2025	ND	6.85	114	6.00	2.63	
Total BTX	<b>0.789</b>	0.300	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>896</b>	16.0	03/25/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<b>19.8</b>	10.0	03/25/2025	ND	190	95.2	200	0.102	
DRO >C10-C28*	<b>428</b>	10.0	03/25/2025	ND	171	85.6	200	2.26	
EXT DRO >C28-C36	<b>88.3</b>	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 84.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 5 4-4.5' (H251709-25)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2025	ND	1.97	98.5	2.00	3.93	
Toluene*	<0.050	0.050	03/26/2025	ND	2.03	102	2.00	0.633	
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.27	114	2.00	2.45	
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.85	114	6.00	2.63	
Total BTEx	<0.300	0.300	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/25/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	190	95.2	200	0.102	
DRO >C10-C28*	34.8	10.0	03/25/2025	ND	171	85.6	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 80.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.5 % 40.6-153

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 6 0-6" (H251709-26)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/27/2025	ND	1.97	98.5	2.00	3.93	
<b>Toluene*</b>	<b>0.687</b>	0.050	03/27/2025	ND	2.03	102	2.00	0.633	
<b>Ethylbenzene*</b>	<b>1.14</b>	0.050	03/27/2025	ND	2.27	114	2.00	2.45	
<b>Total Xylenes*</b>	<b>7.41</b>	0.150	03/27/2025	ND	6.85	114	6.00	2.63	
<b>Total BTEX</b>	<b>9.24</b>	0.300	03/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 160 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>11000</b>	16.0	03/25/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>341</b>	100	03/26/2025	ND	190	95.2	200	0.102	
<b>DRO &gt;C10-C28*</b>	<b>26900</b>	100	03/26/2025	ND	171	85.6	200	2.26	
<b>EXT DRO &gt;C28-C36</b>	<b>7270</b>	100	03/26/2025	ND					

Surrogate: 1-Chlorooctane 123 % 44.4-145

Surrogate: 1-Chlorooctadecane 541 % 40.6-153

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 6 1-1.5' (H251709-27)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.97	98.5	2.00	3.93		
Toluene*	<0.050	0.050	03/26/2025	ND	2.03	102	2.00	0.633		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.27	114	2.00	2.45		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.85	114	6.00	2.63		
Total BTEx	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/25/2025	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	190	95.2	200	0.102	
DRO >C10-C28*	18.2	10.0	03/25/2025	ND	171	85.6	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 77.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.0 % 40.6-153

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 6 2-2.5' (H251709-28)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.093	0.050	03/27/2025	ND	1.97	98.5	2.00	3.93	
Toluene*	2.14	0.050	03/27/2025	ND	2.03	102	2.00	0.633	
Ethylbenzene*	1.73	0.050	03/27/2025	ND	2.27	114	2.00	2.45	
Total Xylenes*	9.00	0.150	03/27/2025	ND	6.85	114	6.00	2.63	
Total BTEX	13.0	0.300	03/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	03/25/2025	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	177	10.0	03/25/2025	ND	190	95.2	200	0.102	
DRO >C10-C28*	1470	10.0	03/25/2025	ND	171	85.6	200	2.26	
EXT DRO >C28-C36	308	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 99.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.7 % 40.6-153

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 6 3-3.5' (H251709-29)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2025	ND	1.97	98.5	2.00	3.93	
Toluene*	0.155	0.050	03/26/2025	ND	2.03	102	2.00	0.633	
Ethylbenzene*	0.152	0.050	03/26/2025	ND	2.27	114	2.00	2.45	
Total Xylenes*	0.952	0.150	03/26/2025	ND	6.85	114	6.00	2.63	
Total BTX	1.26	0.300	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	03/25/2025	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	23.4	10.0	03/25/2025	ND	190	95.2	200	0.102	
DRO >C10-C28*	649	10.0	03/25/2025	ND	171	85.6	200	2.26	
EXT DRO >C28-C36	184	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 84.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 6 4-4.5' (H251709-30)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2025	ND	1.97	98.5	2.00	3.93	
Toluene*	<0.050	0.050	03/26/2025	ND	2.03	102	2.00	0.633	
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.27	114	2.00	2.45	
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.85	114	6.00	2.63	
Total BTEX	<0.300	0.300	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/25/2025	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	190	95.2	200	0.102	
DRO >C10-C28*	51.6	10.0	03/25/2025	ND	171	85.6	200	2.26	
EXT DRO >C28-C36	19.2	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 79.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: H - 1 0-6" (H251709-31)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.97	98.5	2.00	3.93		
Toluene*	<0.050	0.050	03/26/2025	ND	2.03	102	2.00	0.633		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.27	114	2.00	2.45		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.85	114	6.00	2.63		
Total BTEX	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	03/25/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	190	95.2	200	0.102	
DRO >C10-C28*	26.3	10.0	03/25/2025	ND	171	85.6	200	2.26	
EXT DRO >C28-C36	13.4	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 65.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 61.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: H - 2 0-6" (H251709-32)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.97	98.5	2.00	3.93		
Toluene*	<0.050	0.050	03/26/2025	ND	2.03	102	2.00	0.633		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.27	114	2.00	2.45		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.85	114	6.00	2.63		
Total BTEX	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	03/25/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	190	95.2	200	0.102	
DRO >C10-C28*	97.3	10.0	03/25/2025	ND	171	85.6	200	2.26	
EXT DRO >C28-C36	45.1	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 78.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: H - 3 0-6" (H251709-33)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.97	98.5	2.00	3.93		
Toluene*	<0.050	0.050	03/26/2025	ND	2.03	102	2.00	0.633		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.27	114	2.00	2.45		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.85	114	6.00	2.63		
Total BTEx	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	03/25/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	190	95.2	200	0.102	
DRO >C10-C28*	29.9	10.0	03/25/2025	ND	171	85.6	200	2.26	
EXT DRO >C28-C36	10.5	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 86.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.7 % 40.6-153

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: H - 4 0-6" (H251709-34)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.97	98.5	2.00	3.93		
Toluene*	<0.050	0.050	03/26/2025	ND	2.03	102	2.00	0.633		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.27	114	2.00	2.45		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.85	114	6.00	2.63		
Total BTEx	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	03/25/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	192	95.8	200	3.35	
DRO >C10-C28*	130	10.0	03/25/2025	ND	182	91.2	200	2.51	
EXT DRO >C28-C36	32.9	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 62.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 64.1 % 40.6-153

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: H - 5 0-6" (H251709-35)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.97	98.5	2.00	3.93		
Toluene*	<0.050	0.050	03/26/2025	ND	2.03	102	2.00	0.633		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.27	114	2.00	2.45		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.85	114	6.00	2.63		
Total BTEx	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	03/25/2025	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	192	95.8	200	3.35	
DRO >C10-C28*	87.2	10.0	03/25/2025	ND	182	91.2	200	2.51	
EXT DRO >C28-C36	21.8	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 67.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.4 % 40.6-153

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: H - 6 0-6" (H251709-36)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.97	98.5	2.00	3.93		
Toluene*	<0.050	0.050	03/26/2025	ND	2.03	102	2.00	0.633		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.27	114	2.00	2.45		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.85	114	6.00	2.63		
Total BTEx	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	03/25/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	192	95.8	200	3.35	
DRO >C10-C28*	97.4	10.0	03/25/2025	ND	182	91.2	200	2.51	
EXT DRO >C28-C36	27.6	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 83.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: H - 7 0-6" (H251709-37)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	1.97	98.5	2.00	3.93		
Toluene*	<0.050	0.050	03/26/2025	ND	2.03	102	2.00	0.633		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.27	114	2.00	2.45		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.85	114	6.00	2.63		
Total BTEx	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	03/25/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	192	95.8	200	3.35	
DRO >C10-C28*	178	10.0	03/25/2025	ND	182	91.2	200	2.51	
EXT DRO >C28-C36	58.9	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 72.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: H - 8 0-6" (H251709-38)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2025	ND	2.08	104	2.00	10.7		
Toluene*	<0.050	0.050	03/26/2025	ND	2.12	106	2.00	4.41		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.27	113	2.00	2.41	QM-07	
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.93	116	6.00	2.38	QM-07	
Total BTX	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 129 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	03/25/2025	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	192	95.8	200	3.35	
DRO >C10-C28*	140	10.0	03/25/2025	ND	182	91.2	200	2.51	
EXT DRO >C28-C36	39.4	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 84.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.2 % 40.6-153

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: H - 9 0-6" (H251709-39)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2025	ND	2.08	104	2.00	10.7	
Toluene*	<0.050	0.050	03/26/2025	ND	2.12	106	2.00	4.41	
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.27	113	2.00	2.41	
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.93	116	6.00	2.38	
Total BTEX	<0.300	0.300	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	03/25/2025	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	192	95.8	200	3.35	
DRO >C10-C28*	75.7	10.0	03/25/2025	ND	182	91.2	200	2.51	
EXT DRO >C28-C36	14.7	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 71.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.8 % 40.6-153

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 03/24/2025  
 Reported: 03/28/2025  
 Project Name: BOUNDARY RAIDER 6 - 7 FED 211  
 Project Number: 259740  
 Project Location: DEVON - LEA COUNTY, NM

Sampling Date: 03/24/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: H - 10 0-6" (H251709-40)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2025	ND	2.08	104	2.00	10.7	
Toluene*	<0.050	0.050	03/26/2025	ND	2.12	106	2.00	4.41	
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.27	113	2.00	2.41	
Total Xylenes*	<0.150	0.150	03/26/2025	ND	6.93	116	6.00	2.38	
Total BTX	<0.300	0.300	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/25/2025	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2025	ND	192	95.8	200	3.35	
DRO >C10-C28*	73.7	10.0	03/25/2025	ND	182	91.2	200	2.51	
EXT DRO >C28-C36	19.0	10.0	03/25/2025	ND					

Surrogate: 1-Chlorooctane 77.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.1 % 40.6-153

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### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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**BILL TO**

## ANALYSIS REQUEST

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**CARDINAL**  
Laboratories

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>NTG-E</b> Project Manager: <b>Ethan Sessums</b> Address: <b>209 W. McKay St</b> City: <b>Curitiba</b> Phone #: <b>254-266-5456</b> Fax #: _____ Project #: <b>259740</b> Project Owner: <b>Bern</b> Project Name: <b>Bondary Raider 6-7 Fed Com all</b> Project Location: <b>Lea Co, NM</b> Sampler Name: <b>Kenny Han</b> FOR LAB USE ONLY							<b>BILL TO</b> P.O. #: <b>21510171</b> Company: <b>Bern</b> Attn: <b>Jim Kealey</b> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____							<b>ANALYSIS REQUEST</b>						
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.	SAMPLING										
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME				
HS709		V-3		G	1			X				X			3/24		BTJEX TPH Chloride			
11	0-6"																			
12	1-1.5'																			
13	2-2.5'																			
14	3-3.5'																			
15	4-4.5'																			
16	0-6"																			
17	1-1.5'																			
18	2-2.5'																			
19	3-3.5'																			
20	4-4.5'																			

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Relinquished By: _____		Date: <b>3/24/25</b>	Received By: <b>Steele Kneeney</b>
Reinquinshed By: _____		Date: _____	Received By: _____
Delivered By: (Circle One) <b>Sampler - UPS - Bus - Other:</b>		Observed Temp. °C: <b>3.4</b>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
		Corrected Temp. °C: <b>3.7</b>	Checked BY: (Initials) <b>SK</b>
Turnaround Time: _____		Standard Rush <input checked="" type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
		Thermometer ID #140	Observed Temp. °C: _____
		Correction Factor +0.3°C	Corrected Temp. °C: _____

Verbal Result: ☐ Yes ☐ No Add'l Phone #: \_\_\_\_\_  
All Results are emailed. Please provide Email address: \_\_\_\_\_

REMARKS: \_\_\_\_\_

\* Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



3/24  
K.H. (575) 393-2326 FAX (575) 393-2476

## ANALYSIS REQUEST

Page 45 of 46



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## ANALYSIS REQUEST

Page 46 of 46



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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 455064

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 455064
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2504130500
Incident Name	NAPP2504130500 BOUNDARY RAIDER 6 7 FEDERAL COM #211H @ 30-025-44145
Incident Type	Oil Release
Incident Status	Remediation Plan Received
Incident Well	[30-025-44145] BOUNDARY RAIDER 6 7 FEDERAL COM #211H

**Location of Release Source***Please answer all the questions in this group.*

Site Name	BOUNDARY RAIDER 6 7 FEDERAL COM #211H
Date Release Discovered	02/07/2025
Surface Owner	Federal

**Incident Details***Please answer all the questions in this group.*

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***Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Cause: Equipment Failure   Well   Crude Oil   Released: 21 BBL   Recovered: 20 BBL   Lost: 1 BBL.
Produced Water Released (bbls) Details	Not answered.
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)	Stuffing box failure released fluids to pad surface.

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QUESTIONS, Page 2

Action 455064

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 455064
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

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

**Initial Response**

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

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

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvsn.com Date: 04/23/2025
--	---

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**Oil Conservation Division**  
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**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 455064

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 455064
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**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
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

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

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

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

Chloride (EPA 300.0 or SM4500 Cl B)	12200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	34511
GRO+DRO (EPA SW-846 Method 8015M)	27241
BTEX (EPA SW-846 Method 8021B or 8260B)	464
Benzene (EPA SW-846 Method 8021B or 8260B)	21.6

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	05/19/2025
On what date will (or did) the final sampling or liner inspection occur	05/23/2025
On what date will (or was) the remediation complete(d)	05/30/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	5268
What is the estimated volume (in cubic yards) that will be remediated	329

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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**Santa Fe, NM 87505**

QUESTIONS, Page 4

Action 455064

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 455064
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 04/23/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	



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

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 5

Action 455064

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 455064
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<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 455064

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 455064
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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

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CONDITIONS

Action 455064

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 455064
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples should be collected every 200 ft2. The work will need to occur in 90 days after the work plan has been reviewed.	4/28/2025