
June 4, 2026

EMNRD – Oil Conservation Division
506 W. Texas
Artesia, New Mexico 88210

SUBJECT: Remediation Work Plan for Hognose Viper 23 CTB 1

Incident ID: nAPP2600520327
Facility ID (Name): fAPP2527329875 (Hognose Viper 23 CTB 1)
Facility Location: Unit D of Section 23, Township 23 South, Range 33 East, New Mexico
Facility GPS Coordinates: 32.2945532, -103.5476102
Lea County, New Mexico

Objective

KLJ Engineering (KLJ) has prepared this remediation work plan on behalf of Devon Energy Production Company (Devon) to address the release that occurred on January 4, 2026, at the Hognose Viper 23 CTB 1 (Site). This plan outlines the initial characterization and delineation activities, and proposed remediation activities including excavation, sampling, and backfill activities necessary to meet closure requirements under 19.15.29 NMAC.

Site Information and Background

The Site is located approximately 20.85 miles west of Eunice, New Mexico, on Bureau of Land Management (BLM) property. The Site lies within Unit D, Section 23, Township 23 South, Range 33 East, in Lea County. In accordance with 19.15.29.11 and 19.15.29.12 NMAC, KLJ performed an initial site assessment and characterization to determine the extent of the release and to evaluate any resulting environmental impacts to soil and potential receptors.

Incident Description

On January 4, 2026, a Devon lease operator discovered that piping on a transfer pump failed, resulting in the release of approximately 1,098 barrels (bbls) of produced water. Approximately 1,084 bbls were recovered, and 14 bbls oversprayed the secondary containment wall and were not recovered. Initial response actions were conducted by the operator and included source elimination, photographic documentation of the affected area, volume estimation, and an attempt to recover released fluids. An aerial image and site schematic illustrating the release area is provided in **Appendix A**.

Devon submitted the initial Notice of Release (NOR) to the New Mexico Energy, Minerals, and Natural Resources Department – Oil Conservation Division (NMOCD) on January 5, 2026, via the Operator's Electronic Permitting and Payment Portal. The initial Form C-141 was subsequently submitted on January 12, 2026. Because the release exceeded the 25 bbls threshold, the spill is classified as a *major release* under 19.15.29.7(A)(1) NMAC, requiring enhanced notification procedures.

Closure Criteria Determination

The Site is located within Quaternary alluvium dating from the Holocene to lower Pleistocene. Terrain for the Site and immediate surrounding area includes uplands, plains, dunes, and piedmonts at elevations of 2,800 – 5,000 feet. Parent material consists of mixed alluvium and/or eolian sands, with 8 to 13 inches of average annual precipitation. Soil within the Site tends to be well-drained, with low runoff potential and moderate water-holding capacity.

The USDA – Web Soil Survey (WSS) identifies the predominant soil type at the Site as Berino fine sands that are moderately deep or very deep, with surface textures ranging from loamy fine sand, fine sandy loam, loamy very fine sand, to gravelly sandy loam. Subsurface layers include loamy fine sand, coarse sandy loam, fine sandy loam, or loam that averages <18% clay and <15% carbonates. Substratum includes a fine sandy loam, or gravelly fine sandy loam with <15% gravel and with <40% calcium carbonate, while some layers high in lime or caliche fragments may occur at depths of 20–30 inches. The soils are prone to wind erosion if left bare.

Vegetation reflects a grassland community dominated by black grama, dropseeds, and bluestems, with scattered shinnery oak and sand sage. Transitions to shrub-dominated states (e.g., mesquite or snakeweed) may occur with decreased grass cover and include grasses/honey mesquite, grasses/broom snakeweed, or grasses/sand sage. Heavy grazing and/or drought are influential drivers in decreasing grassland-dominated plant communities within proximity of the Site.

No surface water features were identified within 300 feet of the Site. The nearest significant watercourse and wetland is 0.23 miles east and the closest playa lake is 1.67 miles east (USFWS NWI, 2025). These distances comply with the requirements of 19.15.29.12(C)(4) NMAC.

Per the New Mexico Office of the State Engineer (NMOSE) Points of Diversion (POD) Map, the nearest POD is C-04929-POD1, located 0.78 miles south of the Site. The POD is identified as a temporary borehole used to determine depth to groundwater. Well records indicate that the temporary borehole was drilled to a depth of 55 ft below ground surface (bgs), and no groundwater was encountered. The nearest freshwater well used for stock water, POD C-03582, is located 1.06 miles north of the Site.

The Site is within a low karst potential zone, with the nearest area of medium karst potential located 15.4 miles to the west. The Site is in a FEMA flood hazard area identified as FEMA Zone D (undetermined hazard); the nearest identified FEMA flood hazard area, classified as Zone A, is 17 miles to the west.

Additional information detailing the results of the Site characterization findings can be found in **Appendix B**.

Table 1 summarizes key site and incident details relevant to the closure evaluation, as required under 19.15.29.12 NMAC. Included are factors such as the release source, location, containment conditions, and site-specific characteristics that may influence applicable closure requirements. Based on available data, the Site falls within the applicable threshold for depth to groundwater (DTGW) less than 50 feet bgs. Supporting documentation is provided in **Appendix B**.

Table 1: Release Information and Closure Criteria Limits			
Depth to Ground Water Determination: < 50 feet bgs			
Site Name	Hognose Viper 23 CTB 1	Company	Devon Energy Production Company, LP
Facility ID/API Number	fAPP2527329875	PLSS/GPS	D-23-23S-33E 32.2945532, -103.5476102
Lease ID	NMNM142144 NMNM138337	Land Status	Federal
Incident ID	nAPP2600520327	Date Of Release	1/4/2026
Source of Release	Transfer pump pipe fail	Volume Released/Recovered	1,098 bbls/1,084 bbls pw
Specific Features	Low Karst Potential, DTGW pod temporary borehole outside 0.5-mile radius, no surface water within proximity, and FEMA Zone D		

Initial Delineation Activities

KLJ conducted an initial visit to the site on January 15, 2026, to collect photographs of the spill and to document visible impacts. The extent of visible spill impacts and discoloration was recorded through site photographs and flagging. Photographs and field notes documenting the site conditions during the visit are provided in **Appendix D**.

Following the visit, KLJ submitted a New Mexico 811 One-Call notification in preparation of sample collection activities. Proposed work areas were marked in the field with white paint and flagging in accordance with ground disturbance requirements. GPS coordinates of the marked locations were collected for documentation and site reference. All One-Call procedures were followed to ensure proper identification and avoidance of underground utilities during site activities.

On February 18, 2026, KLJ returned to the site to perform characterization of the impacted area. Based on the initial observations of the impacted area, the dimensions of the spill were estimated to be approximately 182 feet long by 76 feet wide, and the total area was estimated to be approximately 4,720 square feet. An aerial photograph and site schematic of the spill investigation and sampling area is included in **Appendix A**. A total of 8 release delineation samples were collected at one-foot depth intervals bgs, or to the refusal layer if encountered. Sample locations were distributed spatially across the release area based off visual surface staining. All samples were field screened for chloride concentrations by using a soil electroconductivity meter. A summary of field screening values for each sample are included in Table 3 (**Appendix C**). Field notes and a photolog for the sampling event are included in **Appendix D**.

Collected samples were submitted to Eurofins Environmental Testing for analysis of total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene, and xylenes (BTEX), and chloride (Cl⁻) concentrations. Results of laboratory analysis are summarized in Table 3 (**Appendix C**). The laboratory issued analysis results report is included in **Appendix E**.

Proposed Remediation Activities

Based on analytical results for delineation soil samples, as shown in Table 3 (Appendix C), the horizontal and vertical extent of impacts have been successfully delineated with the exception of the far southwest corner of the release, including locations TP01 and TP03. In order to complete vertical and horizontal delineation of impacts, the sampling locations with analytical results exceeding closure criteria established under 19.15.29 NMAC will be stepped out in the appropriate direction, followed by confirmation sampling collected during subsequent excavation activities to verify complete removal of impacted soil.

Following the conclusion of delineation activities, proposed excavation activities will include the removal of impacted soils using mechanical equipment in accessible, open areas, and hand tools in tighter, less accessible spaces. A buffer zone of no less than 24 inches will be maintained around production equipment; within this zone, excavation will be performed manually to avoid damage to equipment, underground utilities, or electrical infrastructure. Impacted soils exceeding the closure criteria for 0 to 50 ft bgs DTGW range, as outlined in Table 1 – Closure Criteria for Soils Impacted by a Release (19.15.29.12 NMAC), will be removed.

Prior to the collection of confirmation samples, notification will be provided in accordance with regulatory requirements. Sampling will be performed in accordance with 19.15.29.11 NMAC, with five-point composite samples analyzed for Chloride (EPA 300.0), BTEX (EPA 8021B), and TPH (EPA 8015D). Each composite will represent no more than 200 square feet of excavated area, consistent with 19.15.29 NMAC. Analytical results from confirmation sampling will be used to verify that remediation activities meet closure criteria.

A final remediation report will be prepared and submitted to the NMOCD and BLM within the applicable regulatory timeframe upon completion of all remediation activities. The report will include a summary of excavation efforts, confirmatory sampling results, and supporting documentation demonstrating compliance with 19.15.29 NMAC closure requirements.

KLJ Engineering, on behalf of Devon Energy Production Company, respectfully requests approval to conduct these additional proposed remediation activities at the Hognose Viper 23 CTB 1 site (Incident ID nAPP2600520327).


Submitted and prepared by:

KLJ Engineering

Written By
Name: Monica Peppin
Title: Environmental Specialist II

Reviewed By
Name: Will Harmon, P.G.
Title: Environmental Project Manager

Signature: 

Signature: 

Included Appendices

Appendix A – AERIAL VIEW AND SITE SCHEMATIC

Appendix B – CLOSURE CRITERIA RESEARCH

Appendix C – SAMPLE FIELD SCREEN AND LABORATORY ANALYSIS RESULTS

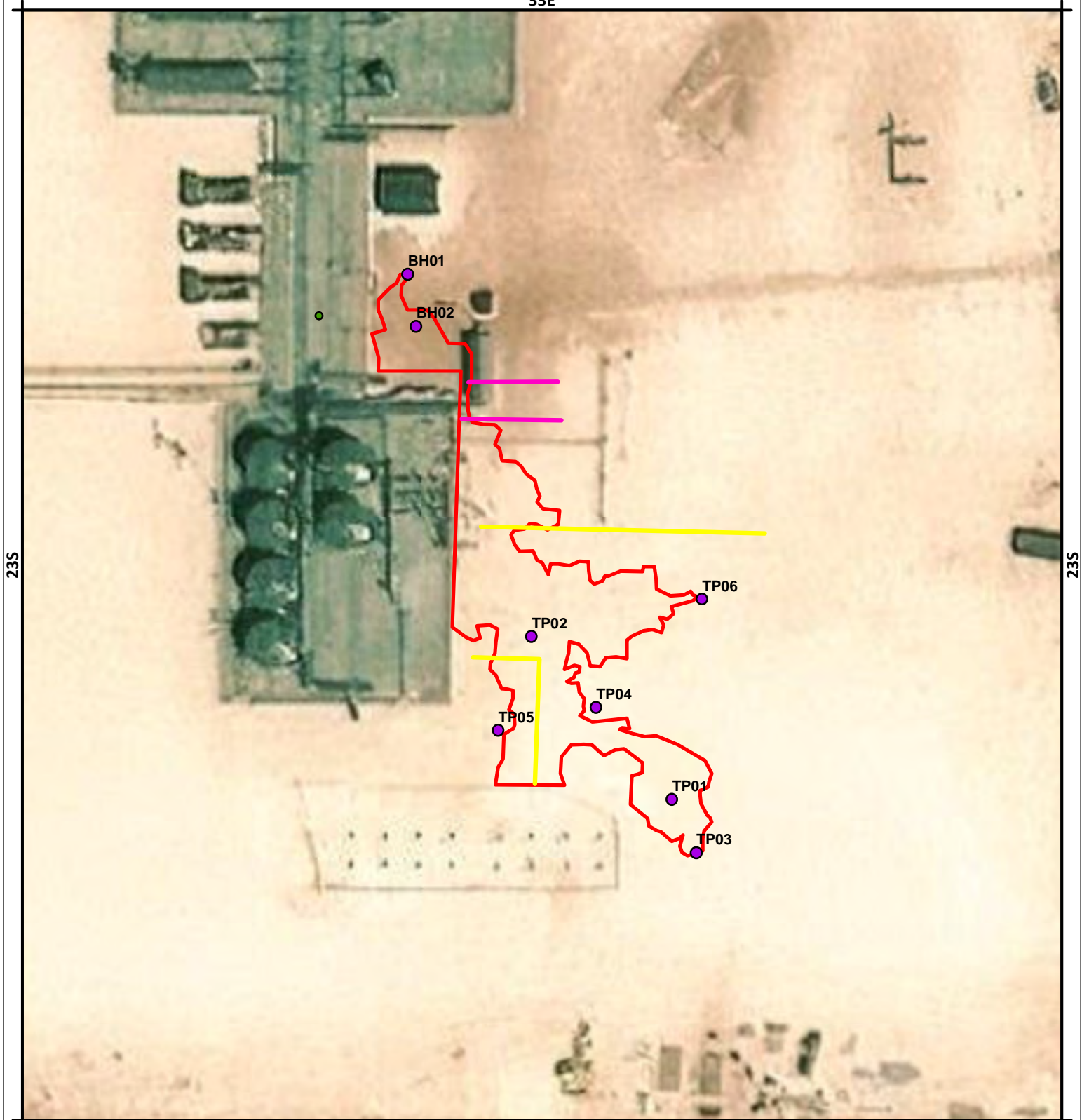
Appendix D – FIELD NOTES & PHOTOLOG REPORTS

Appendix E – LABORATORY ANALYSIS REPORT

Appendix F – CORRESPONDENCE


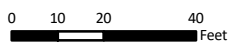


APPENDIX A

AERIAL VIEW AND SITE SCHEMATIC



Release Area:
Width: 76 Feet
Length: 182.3 Feet
4,720.81 Square Feet

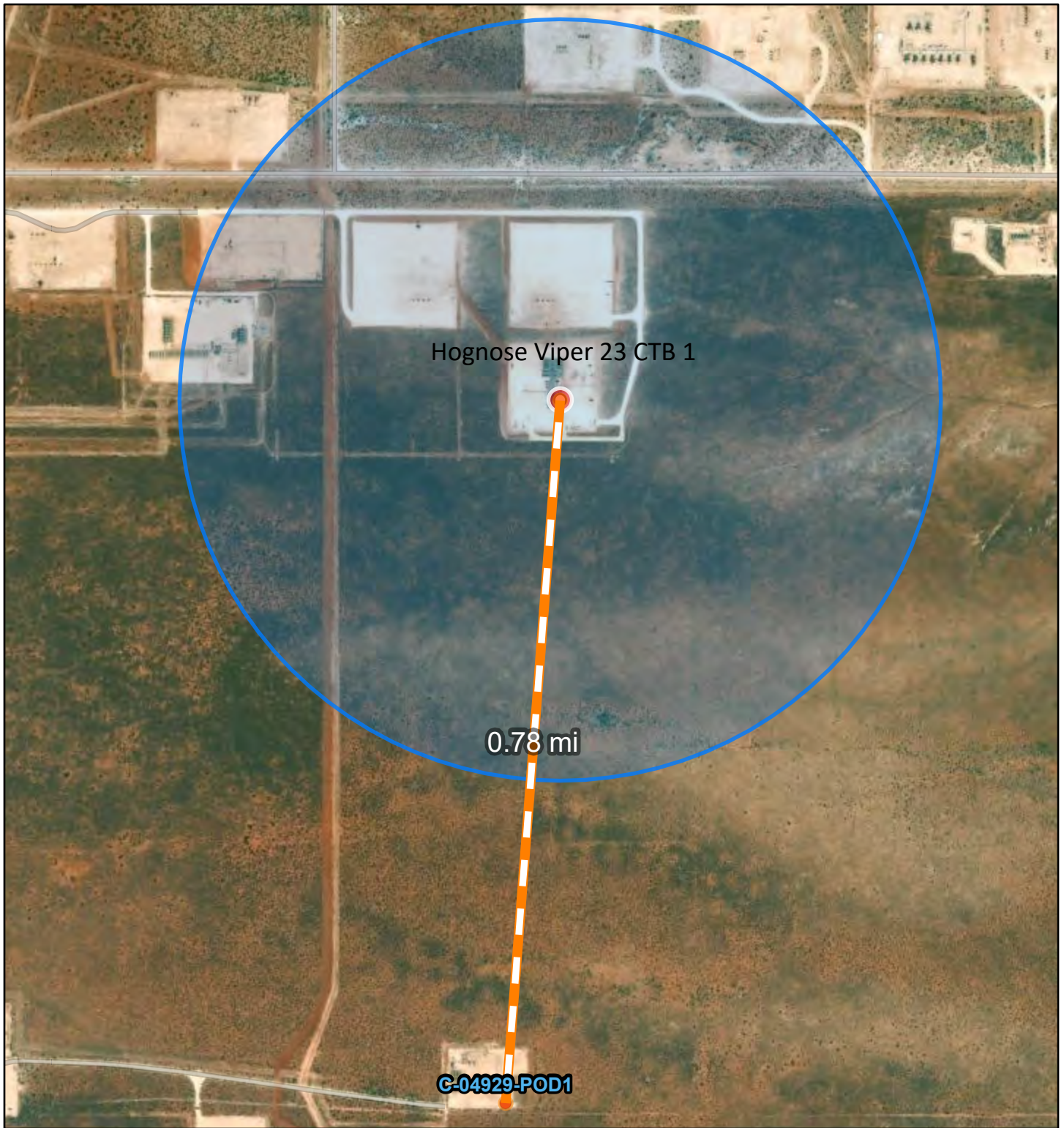
Maps and data are to be used for reference purposes only and KLJ is not responsible for any inaccuracies herein contained. No responsibility is assumed for damages or other liabilities due to the accuracy, availability, use or misuse of the information herein provided.

 Date Created: 6/8/2026	 1:500  Map Center Lat/Long: 32.294324, -103.547411	<p align="center">Hognose Viper 23 CTB 1 Devon Energy Production Company Eddy County, New Mexico</p>	<p align="center">Figure: 1</p>	
Document Location: K:\Projects\OilGas\DevonEnergy\2607-10026_Hognose_Viper_23_CTB_1\GIS\Environmental\Hognose_Viper_23_CharacterizationMap.mxd		Imagery Source: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community		

APPENDIX B

CLOSURE CRITERIA RESEARCH

Hognose Viper 23 CTB 1 - Depth to Groundwater Proximity Map



5/22/2026, 8:49:05 AM

GIS WATERS PODs

- Plugged
- World Imagery
- Low Resolution 15m Imagery

Hognose Viper 23 CTB 1

Nearest POD
C-04929-POD1

Distance

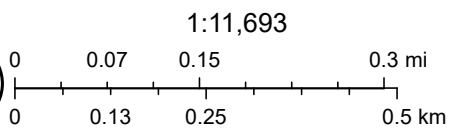
0.78 miles

Well Type

Temporary Borehole

Well Depth

55 ft bgs



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Vantor



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S) C-4929	
	WELL OWNER NAME(S) Devon Energy Production Company LP				PHONE (OPTIONAL)	
	WELL OWNER MAILING ADDRESS 5315 Buena Vista				CITY Carlsbad	STATE ZIP NM 88220
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 16	SECONDS 59.1	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84
		LONGITUDE 103	32	54.6	W	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Hognose Viper 23 Federal, SE SW SW Sec. 23 T23SR33E, NMPPM						

2. DRILLING & CASING INFORMATION	LICENSE NO. 1249	NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.			
	DRILLING STARTED 2/11/25	DRILLING ENDED 2/11/25	DEPTH OF COMPLETED WELL (FT) Temporary Well Material	BORE HOLE DEPTH (FT) ±55	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED) <small>Centralizer info below</small>				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 03/04/2025		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD				ADDITIVES - SPECIFY:			
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	55	±6.25	Soil Boring	--	--	--	--

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				N/A		

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)			
FILE NO. C-4929	POD NO. 1	TRN NO. 776877			
LOCATION 235-33E-23 433		WELL TAG ID NO.		PAGE 1 OF 2	

Hognose Viper 23 CTB 1 - Stock Water POD



6/8/2026, 2:37:10 PM

GIS WATERS PODs

- Active
- Plugged

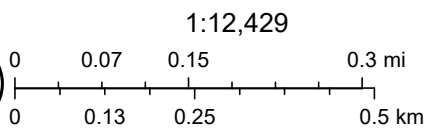
World Imagery

High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations

2.4m Resolution Metadata



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Vantor



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

2012 NOV 21 A 10:14

1. GENERAL AND WELL LOCATION	POD NUMBER (WELL NUMBER) C-03582				OSE FILE NUMBER(S) C03582							
	WELL OWNER NAME(S) Bill Angel				PHONE (OPTIONAL) 575-369-6303							
	WELL OWNER MAILING ADDRESS PO Box 190				CITY Rouington nm		STATE nm		ZIP 88260			
	WELL LOCATION (FROM GPS)		DEGREES 32	MINUTES 18	SECONDS 34.2	N		* ACCURACY REQUIRED: ONE TENTH OF A SECOND				
		LONGITUDE 103	32	57.0	W		* DATUM REQUIRED: WGS 84					
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS												
2. OPTIONAL	(2.5 ACRE) 1/4		(10 ACRE) 1/4		(40 ACRE) 1/4		(160 ACRE) 1/4		SECTION	TOWNSHIP	RANGE	
										<input type="checkbox"/> NORTH <input type="checkbox"/> SOUTH	<input type="checkbox"/> EAST <input type="checkbox"/> WEST	
	SUBDIVISION NAME				LOT NUMBER		BLOCK NUMBER		UNIT/TRACT			
	HYDROGRAPHIC SURVEY				MAP NUMBER		TRACT NUMBER					
3. DRILLING INFORMATION	LICENSE NUMBER WD1682		NAME OF LICENSED DRILLER John Nomis				NAME OF WELL DRILLING COMPANY Hunary Horse LLC					
	DRILLING STARTED 10-1-12		DRILLING ENDED 10-18-12		DEPTH OF COMPLETED WELL (FT) 590		BORE HOLE DEPTH (FT) 590		DEPTH WATER FIRST ENCOUNTERED (FT)			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)								STATIC WATER LEVEL IN COMPLETED WELL (FT)			
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD <input type="checkbox"/> ADDITIVES - SPECIFY:											
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:											
	DEPTH (FT)		BORE HOLE DIA. (IN)		CASING MATERIAL		CONNECTION TYPE (CASING)		INSIDE DIA. CASING (IN)		CASING WALL THICKNESS (IN)	SLOT SIZE (IN)
	FROM	TO										
	0	590	12"		PVC		glued		6"		3/8	1/8
4. WATER-BEARING STRATA	DEPTH (FT)		THICKNESS (FT)		FORMATION DESCRIPTION OF PRINCIPAL WATER-BEARING STRATA (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)					YIELD (GPM)		
	FROM	TO										
	18	65	47		Sand					4K		
	95	110	15		Sand					4K		
	230	236	6		Sand					4K		
	383	391	8		Sand					4K		
	410	416	6		Sand					4K		
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA N/A								TOTAL ESTIMATED WELL YIELD (GPM)				

FOR OSE INTERNAL USE				WELL RECORD & LOG (Version 6/9/08)			
FILE NUMBER C-3582		POD NUMBER 235.33E.14.114		TRN NUMBER 515767		PAGE 1 OF 2	
LOCATION STR							

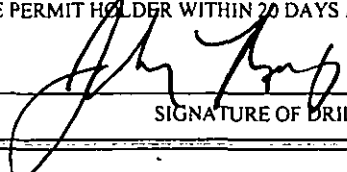
5. SEAL AND PUMP	TYPE OF PUMP: <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> JET <input type="checkbox"/> NO PUMP - WELL NOT EQUIPPED <input type="checkbox"/> TURBINE <input type="checkbox"/> CYLINDER <input type="checkbox"/> OTHER - SPECIFY: <u>unknown</u>						
	ANNULAR SEAL AND GRAVEL PACK	DEPTH (FT) FROM TO		BORE HOLE DIA. (IN)	MATERIAL TYPE AND SIZE	AMOUNT (CUBIC FT)	METHOD OF PLACEMENT
		0 20		12	grout / cement	8	top

DEPTH (FT)		THICKNESS (FT)	COLOR AND TYPE OF MATERIAL ENCOUNTERED (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	WATER BEARING?
FROM	TO			
0	7	7	topsoil	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
7	18	11	caliche	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
18	65	47	sand	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
65	80	15	rock	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
80	95	15	red clay	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
95	110	15	sand	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
110	230	120	red clay	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
230	236	6	sand	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
236	310	74	red clay	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
310	362	52	sand clay	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
362	383	21	red clay	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
383	391	8	sand	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
391	410	19	red clay	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
410	416	6	sand	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
416	513	97	red clay	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
513	520	107	sand	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
520	590	70	red clay	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

ATTACH ADDITIONAL PAGES AS NEEDED TO FULLY DESCRIBE THE GEOLOGIC LOG OF THE WELL

7. TEST & ADDITIONAL INFO	WELL TEST	METHOD: <input type="checkbox"/> BAILER <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> OTHER - SPECIFY: <u>N/A</u>
	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.	
ADDITIONAL STATEMENTS OR EXPLANATIONS:		

STATE ENGINEER OF ILLINOIS
NOV 21 10 11 AM '11

8. 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 20 DAYS AFTER COMPLETION OF WELL DRILLING:	
		11-19-12
	SIGNATURE OF DRILLER	DATE

FOR USE INTERNAL USE		WELL RECORD & LOG (Version 6/9/08)	
FILE NUMBER	<u>C-35582</u>	POD NUMBER	
LOCATION	<u>5TR</u>	TRN NUMBER	<u>570107</u>
			PAGE 2 OF 2

Nearest Significant Watercourse: Riverine

Distance: 0.23 miles



April 1, 2026

Wetlands

- | | | | | | |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland |  | Lake |
|  | Estuarine and Marine Wetland |  | Freshwater Forested/Shrub Wetland |  | Other |
| | |  | Freshwater Pond |  | 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.



U.S. Fish and Wildlife Service

National Wetlands Inventory

Hognose Viper 23 CTB 1

Nearest Playa: Freshwater Emergent Wetland

Distance: 1.67 miles



April 1, 2026

Wetlands

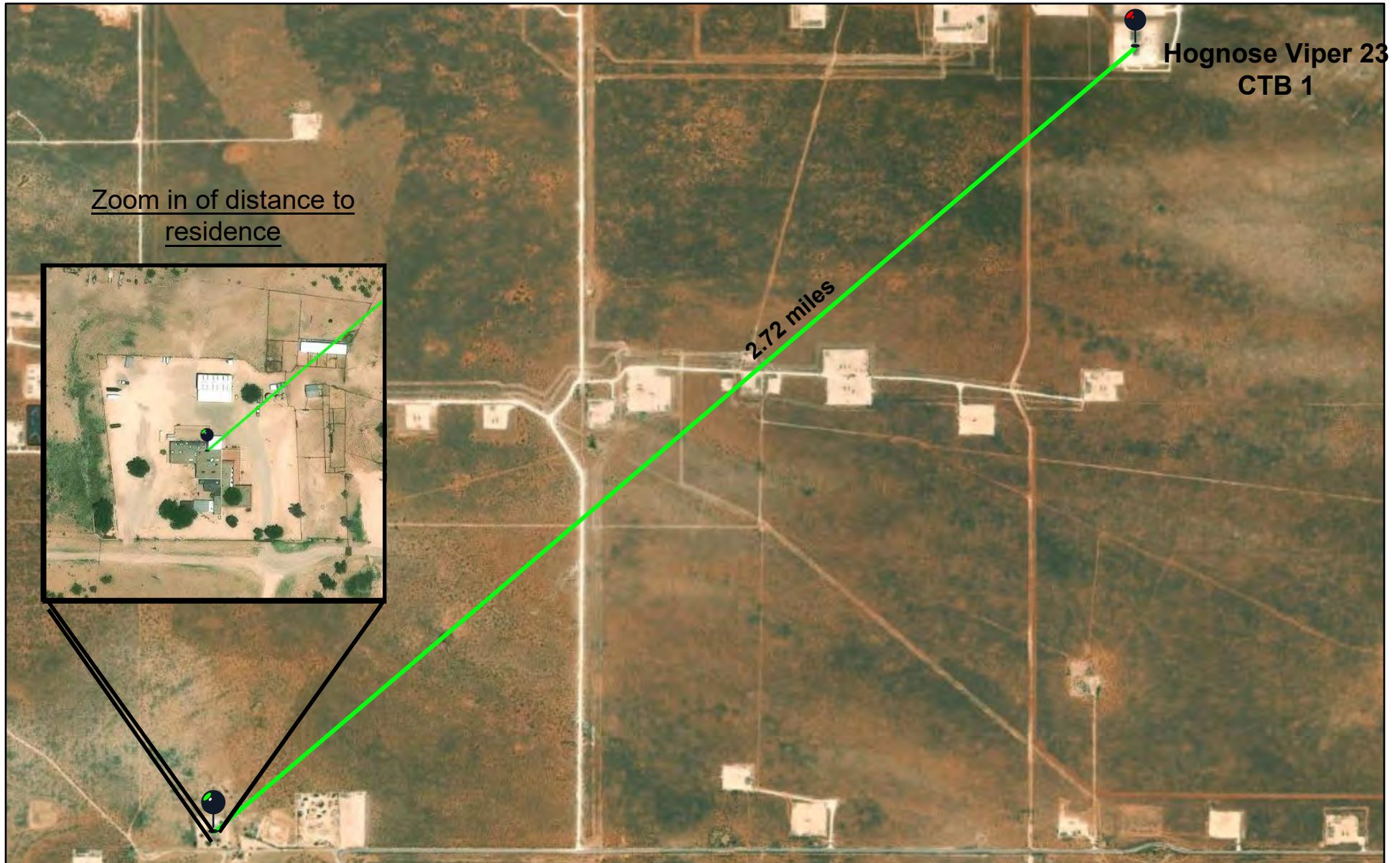
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

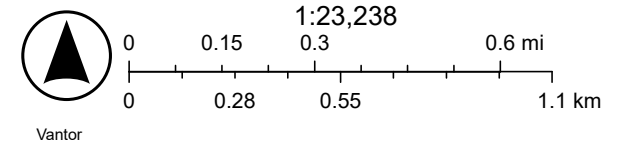
- Lake
- Other
- Riverine

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.

Hognose Viper 23 CTB 1 - Nearest Residence Map



4/2/2026





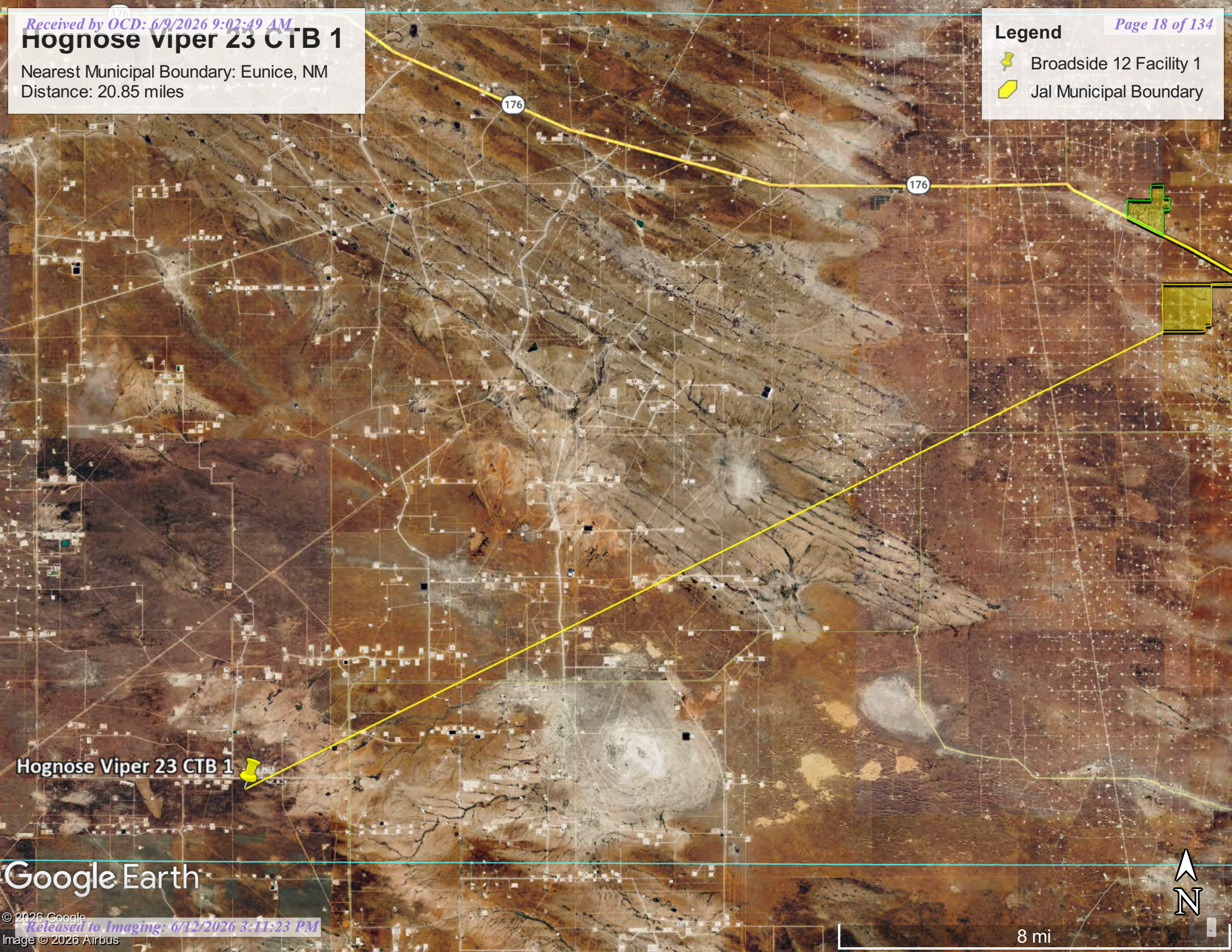
Monica Peppin


Hognose viper 23 CTB 1

Nearest Municipal Boundary: Eunice, NM
Distance: 20.85 miles

Legend

-  Broadside 12 Facility 1
-  Jal Municipal Boundary



Hognose Viper 23 CTB 1 

Google Earth



8 mi

Hognose Viper 23 CTB 1 Mines Proximity Map

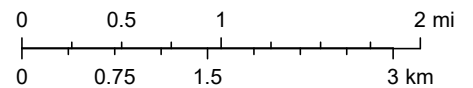


6/8/2026, 2:46:21 PM

Registered Mines

✕ Aggregate, Stone etc.

1:72,224






Esri, HERE, Garmin, Earthstar Geographics

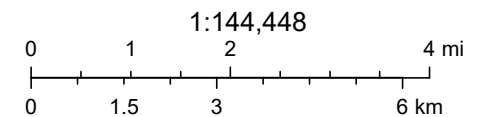
Hognose Viper 23 CTB 1 Karst Potential Map



6/8/2026, 2:49:28 PM

Karst Occurrence Potential

	High		Medium
	Low		

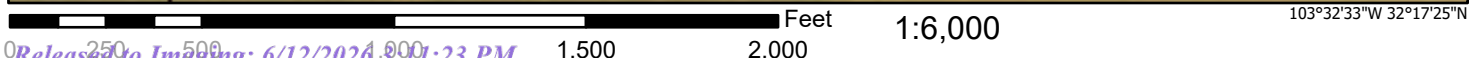
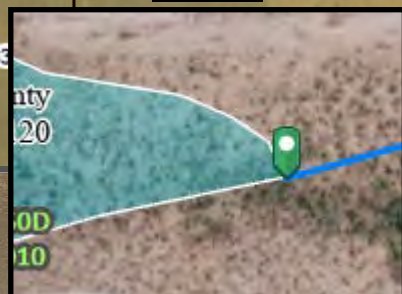
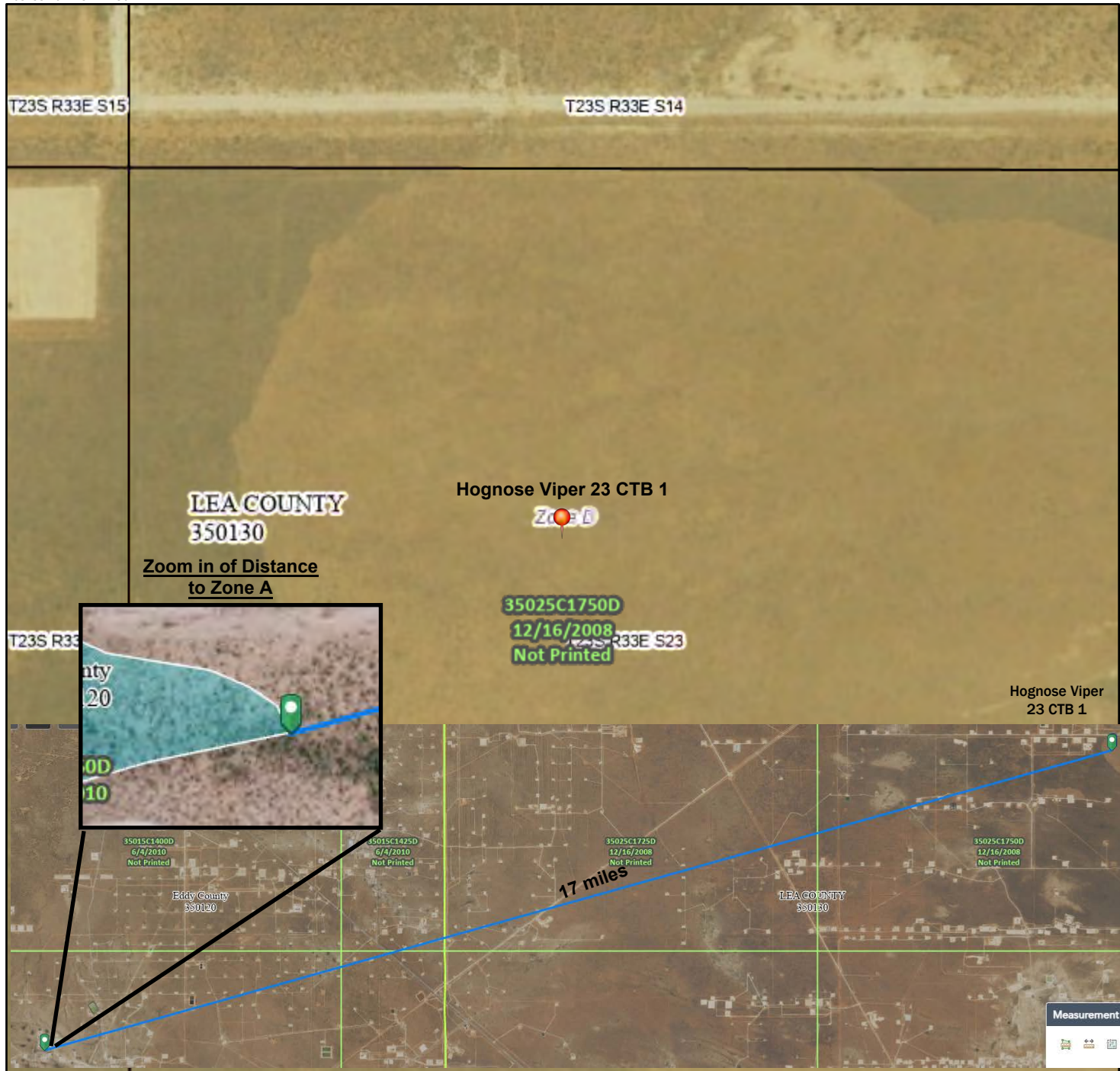


Esri, HERE, Garmin, BLM, OCD, New Mexico Tech, Earthstar Geographics

National Flood Hazard Layer FIRMette



103°33'10"W 32°17'56"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

- Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS

- Digital Data Available
- No Digital Data Available
- Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/1/2026 at 6:38 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.

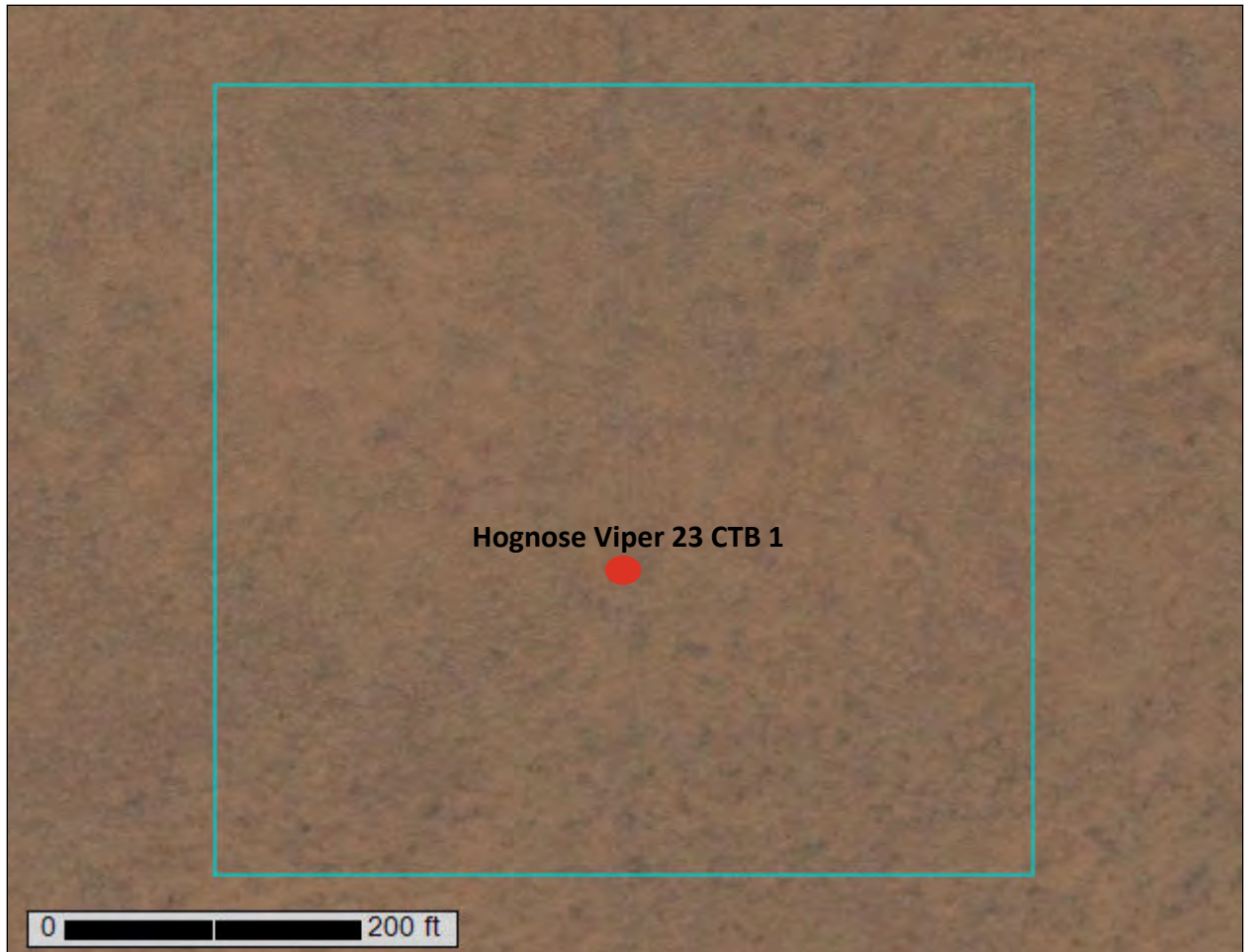
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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



A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Lea County, New Mexico

Hognose Viper 23 CTB 1



January 26, 2026

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

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scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

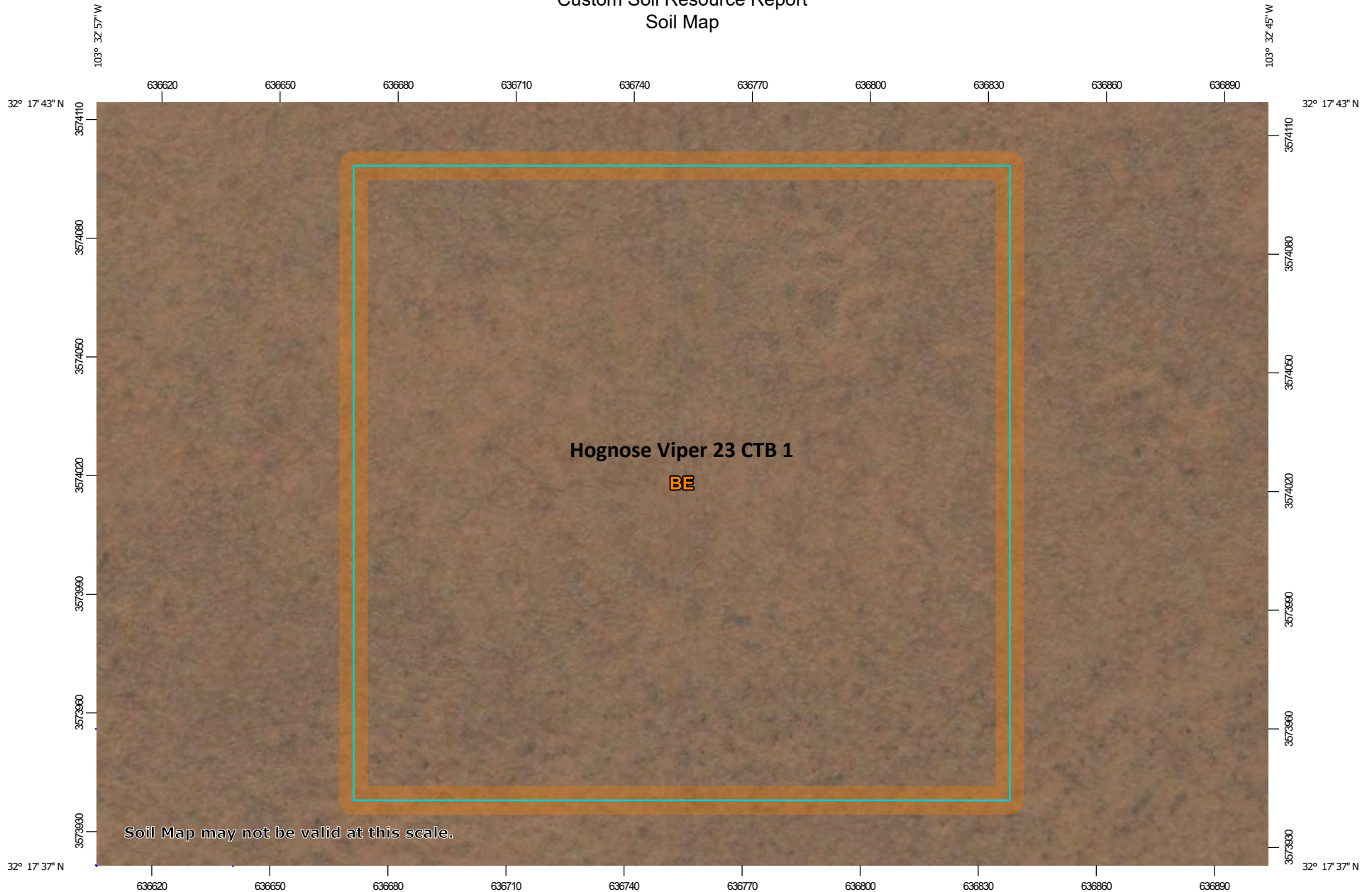
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identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report Soil Map

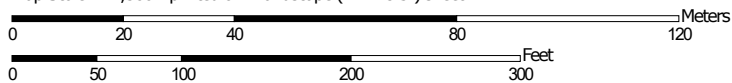


Hognose Viper 23 CTB 1

BE

Soil Map may not be valid at this scale.

Map Scale: 1:1,360 if printed on A landscape (11" x 8.5") sheet.




Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

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MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)




















Soils







 Soil Map Unit Polygons

 Soil Map Unit Lines


 Soil Map Unit Points

Special Point Features






-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features


Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Lea County, New Mexico
 Survey Area Data: Version 22, Sep 9, 2025

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

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

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

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Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BE	Berino-Cacique loamy fine sands association	6.6	100.0%
Totals for Area of Interest		6.6	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

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An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

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Lea County, New Mexico**BE—Berino-Cacique loamy fine sands association****Map Unit Setting**

National map unit symbol: dmpd
Landscape: Uplands
Elevation: 3,000 to 3,900 feet
Mean annual precipitation: 10 to 13 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 50 percent
Cacique and similar soils: 40 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino**Setting**

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

Typical profile

A - 0 to 6 inches: loamy fine sand
Btk - 6 to 60 inches: sandy clay loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Moderate (about 8.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7c
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand

Custom Soil Resource Report

Hydric soil rating: No

Description of Cacique**Setting**

Landscape: Uplands

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 12 inches: loamy fine sand

Bt - 12 to 28 inches: sandy clay loam

Bkm - 28 to 38 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 20 to 40 inches to petrocalcic

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 1 percent

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

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 3.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7c

Hydrologic Soil Group: C

Ecological site: R070BD004NM - Sandy

Hydric soil rating: No

Minor Components**Maljamar**

Percent of map unit: 6 percent

Ecological site: R077CY028TX - Limy Upland 16-21" PZ

Hydric soil rating: No

Palomas

Percent of map unit: 4 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

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Ecological site R070BD003NM Loamy Sand

Accessed: 04/01/2026

General information

Provisional. A provisional ecological site description has undergone quality control and quality assurance review. It contains a working state and transition model and enough information to identify the ecological site.

Figure 1. Mapped extent

Areas shown in blue indicate the maximum mapped extent of this ecological site. Other ecological sites likely occur within the highlighted areas. It is also possible for this ecological site to occur outside of highlighted areas if detailed soil survey has not been completed or recently updated.

Associated sites

R070BD004NM	Sandy Sandy
R070BD005NM	Deep Sand Deep Sand

Table 1. Dominant plant species

Tree	Not specified
Shrub	Not specified
Herbaceous	Not specified

Physiographic features

This site is on uplands, plains, dunes, fan piedmonts and in inter dunal areas. The parent material consists of mixed alluvium and or eolian sands derived from sedimentary rock. Slope range on this site range from 0 to 9 percent with the average of 5 percent.

Low stabilized dunes may occur occasionally on this site. Elevations range from 2,800 to 5,000 feet.

Table 2. Representative physiographic features

Landforms	(1) Fan piedmont (2) Alluvial fan (3) Dune
Elevation	2,800–5,000 ft
Slope	9%
Aspect	Aspect is not a significant factor

Climatic features

The average annual precipitation ranges from 8 to 13 inches. Variations of 5 inches, more or less, are common. Over 80 percent of the precipitation falls from April through October. Most of the summer precipitation comes in the form of high intensity-short duration thunderstorms.

Temperatures are characterized by distinct seasonal changes and large annual and diurnal temperature changes. The average annual temperature is 61 degrees with extremes of 25 degrees below zero in the winter to 112 degrees in the summer.

The average frost-free season is 207 to 220 days. The last killing frost being late March or early April and the first killing frost being in later October or early November.

Temperature and rainfall both favor warm season perennial plant growth. In years of abundant spring moisture, annual forbs and cool season grasses can make up an important component of this site. Strong winds blow from the southwest from January through June, which accelerates soil drying during a critical period for cool season plant growth.

Climate data was obtained from <http://www.wrcc.sage.dri.edu/summary/climsnm.html> web site using 50% probability for freeze-free and frost-free seasons using 28.5 degrees F and 32.5 degrees F respectively.

Table 3. Representative climatic features

Frost-free period (average)	221 days
Freeze-free period (average)	240 days
Precipitation total (average)	13 in

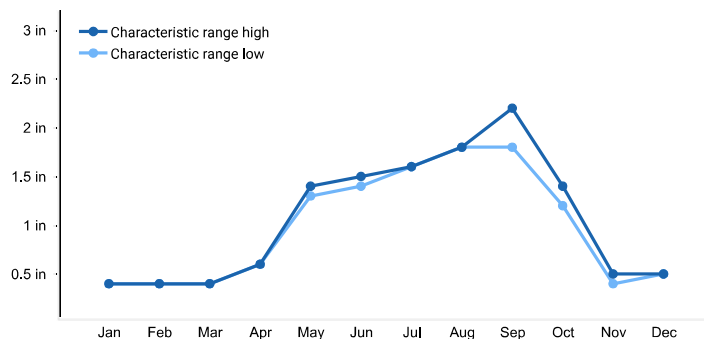


Figure 2. Monthly precipitation range

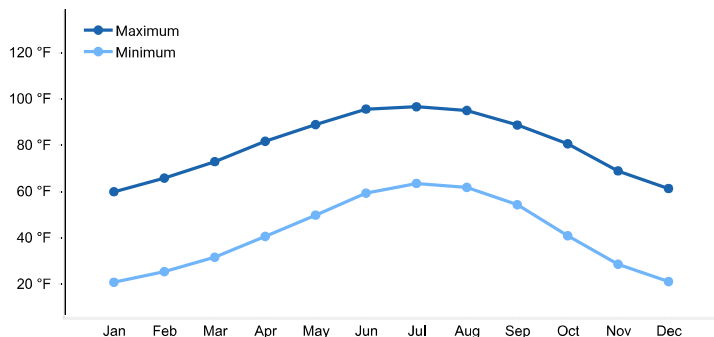


Figure 3. Monthly average minimum and maximum temperature

Influencing water features

This site is not influenced from water from wetlands or streams.

Soil features

Soils are moderately deep or very deep. Surface textures are loamy fine sand, fine sandy loam, loamy very fine sand or gravelly sandy loam.

Subsurface is a loamy fine sand, coarse sandy loam, fine sandy loam or loam that averages less than 18 percent clay and less than 15 percent carbonates.

Substratum is a fine sandy loam or gravelly fine sandy loam with less than 15 percent gravel and with less than 40 percent calcium carbonate. Some layers high in lime or with caliche fragments may occur at depths of 20 to 30 inches.

These soils, if unprotected by plant cover and organic residue, become wind blown and low hummocks are formed.

Minimum and maximum values listed below represent the characteristic soils for this site.

Characteristic soils are:

- Maljamar
- Berino
- Parjarito
- Palomas
- Wink
- Pyote

Table 4. Representative soil features

Surface texture	(1) Fine sand (2) Fine sandy loam (3) Loamy fine sand
Family particle size	(1) Sandy

Ecological dynamics

Overview

The Loamy Sand site intergrades with the Deep Sand and Sandy

Drainage class	Well drained to somewhat excessively drained
Permeability class	Moderate to moderately rapid
Soil depth	40–72 in
Surface fragment cover <=3"	10%
Surface fragment cover >3"	Not specified
Available water capacity (0–40in)	5–7 in
Calcium carbonate equivalent (0–40in)	3–40%
Electrical conductivity (0–40in)	2–4 mmhos/cm
Sodium adsorption ratio (0–40in)	2
Soil reaction (1:1 water) (0–40in)	6.6–8.4
Subsurface fragment volume <=3" (Depth not specified)	4–12%
Subsurface fragment volume >3" (Depth not specified)	Not specified

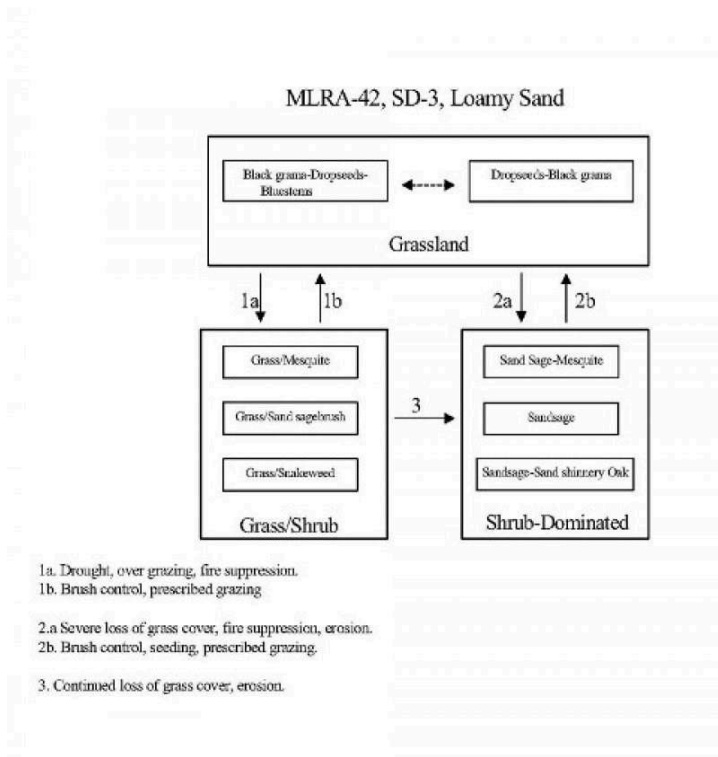
sites (SD-3). These sites can be differentiated by surface soil texture and depth to a textural change. Loamy Sand and Deep Sand sites have coarse textured (sands and loamy sand) surface soils while Sandy sites have moderately coarse textured (sandy loam and fine sandy loam) surfaces. Although Loamy Sand and

Deep Sand sites have similar surface textures, the depth to a textural change is different—Loamy Sand sub-surface textures typically increase in clay at approximately 20 to 30 inches, and Deep Sand sites not until around 40 inches.

The historic plant community of Loamy Sand sites is dominated by black grama (*Bouteloua eriopoda*), dropseeds (*Sporobolus flexuosus*, *S. contractus*, *S. cryptandrus*), and bluestems (*Schizachyrium scoparium* and *Andropogon hallii*), with scattered shinnery oak (*Quercus havardii*) and sand sage (*Artemisia filifolia*). Perennial and annual forb abundance and distribution are dependent on precipitation. Litter and to a lesser extent, bare ground, are a significant proportion of ground cover while grasses compose the remainder. Decreases in black grama indicate a transition to either a grass/shrub or shrub-dominated state. The grass/shrub state is composed of grasses/honey mesquite (*Prosopis glandulosa*), grasses/broom snakeweed (*Gutierrezia sarothrae*), or grasses/sand sage. The shrub-dominated state occurs after a severe loss of grass cover and a prevalence of sand sage with secondary shinnery oak and mesquite. Heavy grazing intensity and/or drought are influential drivers in decreasing black grama and bluestems and subsequently increasing shrub cover, erosion, and bare patches. Historical fire suppression also encourages shrub pervasiveness and a competitive advantage over grass species (McPherson 1995). Brush and grazing management, however, may reverse grass/shrub and shrub-dominated states toward the grassland-dominated historic plant community.

State and transition model

Plant Communities and Transitional Pathways (diagram):



**State 1
Historic Climax Plant Community**

**Community 1.1
Historic Climax Plant Community**

Grassland: The historic plant community is a uniformly distributed grassland dominated by black grama, dropseeds, and bluestems. Sand sage and shinnery oak are evenly dispersed throughout the grassland due to the coarse soil surface texture. Perennial and annual forbs are common but their abundance and distribution are reflective of precipitation. Bluestems initially, followed by black grama, decrease with drought and heavy grazing intensity. Historical fire frequency is unknown but likely occurred enough to remove small shrubs to the competitive advantage of grass species. Fire suppression, drought conditions, and excessive grazing drive most grass species out of competition with shrub species. Diagnosis: Grassland dominated by black grama, dropseeds, and bluestems. Shrubs, such as sand sage, shinnery oak, and mesquite are dispersed throughout the grassland. Forbs are present and populations fluctuate with precipitation variability.

Table 5. Annual production by plant type

Plant Type	Low (Lb/Acre)	Representative Value (Lb/Acre)	High (Lb/Acre)
Grass/Grasslike	442	833	1224
Forb	110	208	306
Shrub/Vine	98	184	270
Total	650	1225	1800

Table 6. Ground cover

Tree foliar cover	0%
Shrub/vine/liana foliar cover	0%
Grass/grasslike foliar cover	28%
Forb foliar cover	0%
Non-vascular plants	0%
Biological crusts	0%
Litter	50%
Surface fragments >0.25" and <=3"	0%
Surface fragments >3"	0%
Bedrock	0%
Water	0%
Bare ground	22%

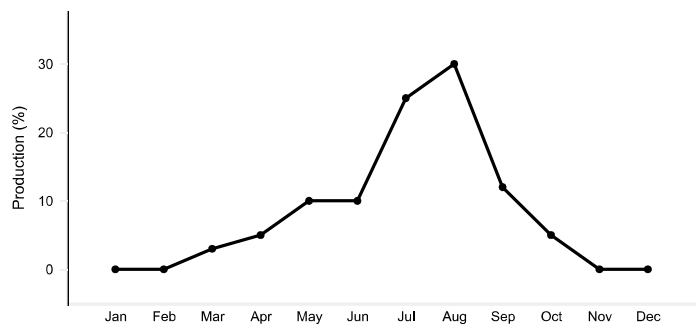


Figure 5. Plant community growth curve (percent production by month). NM2803, R042XC003NM-Loamy Sand-HCPC. SD-3 Loamy Sand - Warm season plant community .

State 2 Grass/Shrub

Community 2.1 Grass/Shrub

Grass/Shrub State: The grass/shrub state is dominated by communities of grasses/mesquite, grasses/snakeweed, or grasses/sand sage. Decreases in black grama and bluestem species lead to an increase in bare patches and mesquite which further competes with grass species. An increase of dropseeds and threeawns occurs. Grass distribution becomes more patchy with an absence or severe decrease in black grama and bluestems. Mesquite provides nitrogen and soil organic matter to co-dominant grasses (Ansley and Jacoby 1998, Ansley et al. 1998). Mesquite mortality when exposed to fire is low due to aggressive resprouting abilities. Herbicide application combined with subsequent prescribed fire may be more effective in mesquite reduction (Britton and Wright 1971). Diagnosis: This state is dominated by an increased abundance of communities including grass/mesquite, grass/snakeweed, or grass/sand sage. Dropseeds and threeawns have a patchy distribution. Transition to Grass/Shrub State (1a): The historic plant community begins to shift toward the grass/shrub state as drivers such as drought, fire suppression, interspecific competition, and excessive grazing contribute to alterations in soil properties and herbaceous cover. Cover loss and surface soil erosion are initial indicators of transition followed by a decrease in black grama with a subsequent increase of dropseeds, threeawns, mesquite, and snakeweed. Snakeweed has been documented to outcompete black grama especially under conditions of fire suppression and drought (McDaniel et al. 1984). Key indicators of approach to transition: • Loss of black grama cover • Surface soil erosion • Bare patch expansion • Increased dropseed/threeawn and mesquite, snakeweed, or sand sage abundances Transition to Historic Plant Community (1b): Brush and grazing management may restore the grassland component and reverse shrub or grass/shrub dominated states back toward the historic plant community.

State 3 Shrub Dominated

Community 3.1 Shrub Dominated

Shrub-Dominated State: The shrub-dominated state results from a severe loss of grass cover. This state's primary species is sand sage. Shinnery oak and mesquite also occur; however, grass cover is limited to intershrub distribution. Sand sage stabilizes light sandy soils from wind erosion, which enhances protected grass/forb cover (Davis and Bonham 1979). However, shinnery oak also responds to the sandy soils with dense stands due to an aggressive rhizome system. Shinnery oak's extensive root system promotes competitive exclusion of grasses and forbs. Sand sage, shinnery oak, and mesquite can be controlled with herbicide (Herbel et al. 1979, Pettit 1986). Transition to Shrub-Dominated (2a): Severe loss of grass species with increased erosion and fire suppression will result in a transition to a shrub-dominated state with sand sage, Shin oak, and honey mesquite directly from the grassland-dominated state. Key indicators of approach to transition: • Severe loss of grass species cover • Surface soil erosion • Bare patch expansion • Increased sand sage, shinnery oak, and mesquite abundance Transition to Historic Plant Community (2b): Brush and grazing management may restore the grassland component and reverse shrub or grass/shrub dominated states back toward the historic plant community. In addition, seeding with native grass species will augment the transition to a grassland-dominated state. Transition to Shrub-Dominated (3): If the grass/shrub site continues to lose grass cover with soil erosion, the site will transition to a shrub-dominated state with sand sage, shinnery oak, and honey mesquite. Key indicators of approach to transition: • Continual loss of dropseeds/threeawns cover • Surface soil erosion • Bare patch expansion • Increased sand sage, shinnery oak, and mesquite/dropseed/threeawn and mesquite/snakeweed abundance

Additional community tables

Table 7. Community 1.1 plant community composition

Group	Common Name	Symbol	Scientific Name	Annual Production (Lb/Acre)	Foliar Cover (%)
Grass/Grasslike					
1	Warm Season			61–123	
	little bluestem	SCSC	<i>Schizachyrium scoparium</i>	61–123	–
2	Warm Season			37–61	
	sand bluestem	ANHA	<i>Andropogon hallii</i>	37–61	–
3	Warm Season			37–61	
	cane bluestem	BOBA3	<i>Bothriochloa barbinodis</i>	37–61	–
	silver bluestem	BOSA	<i>Bothriochloa saccharoides</i>	37–61	–
4	Warm Season			123–184	
	black grama	BOER4	<i>Bouteloua eriopoda</i>	123–184	–
	bush muhly	MUPO2	<i>Muhlenbergia porteri</i>	123–184	–
5	Warm Season			123–184	
	thin paspalum	PASE5	<i>Paspalum setaceum</i>	123–184	–
	plains bristlegrass	SEVU2	<i>Setaria vulpisetia</i>	123–184	–
	fringed signalgrass	URCI	<i>Urochloa ciliatissima</i>	123–184	–
6	Warm Season			123–184	
	spike dropseed	SPCO4	<i>Sporobolus contractus</i>	123–184	–
	sand dropseed	SPCR	<i>Sporobolus cryptandrus</i>	123–184	–
	mesa dropseed	SPFL2	<i>Sporobolus flexuosus</i>	123–184	–
7	Warm Season			61–123	
	hooded windmill grass	CHCU2	<i>Chloris cucullata</i>	61–123	–
	Arizona cottontop	DICA8	<i>Digitaria californica</i>	61–123	–
9	Other Perennial Grasses			37–61	
	Grass, perennial	2GP	<i>Grass, perennial</i>	37–61	–
Shrub/Vine					
8	Warm Season			37–61	
	New Mexico feathergrass	HENE5	<i>Hesperostipa neomexicana</i>	37–61	–
	giant dropseed	SPGI	<i>Sporobolus giganteus</i>	37–61	–
10	Shrub			61–123	
	sand sagebrush	ARFI2	<i>Artemisia filifolia</i>	61–123	–
	Havard oak	QUHA3	<i>Quercus havardii</i>	61–123	–
11	Shrub			34–61	
	fourwing saltbush	ATCA2	<i>Atriplex canescens</i>	37–61	–
	featherplume	DAFO	<i>Dalea formosa</i>	37–61	–
12	Shrub			37–61	
	jointfir	EPHED	<i>Ephedra</i>	37–61	–
	littleleaf ratany	KRER	<i>Krameria erecta</i>	37–61	–
13	Other Shrubs			37–61	
	Shrub (>.5m)	2SHRUB	<i>Shrub (>.5m)</i>	37–61	–
Forb					
14	Forb			61–123	
	leatherweed	CRPOP	<i>Croton pottsii</i> var. <i>pottsii</i>	61–123	–
	Indian blanket	GAPU	<i>Gaillardia pulchella</i>	61–123	–

	globemallow	SPHAE	<i>Sphaeralcea</i>	61-123	-
15	Forb			12-37	
	woolly groundsel	PACA15	<i>Packera cana</i>	12-37	-
16	Forb			61-123	
	touristplant	DIWI2	<i>Dimorphocarpa wislizeni</i>	61-123	-
	woolly plantain	PLPA2	<i>Plantago patagonica</i>	61-123	-
17	Other Forbs			37-61	
	Forb (herbaceous, not grass nor grass-like)	2FORB	<i>Forb (herbaceous, not grass nor grass-like)</i>	37-61	-

Lithologic Units: Piedmont alluvial deposits

Zoom to

Label	Qp
Name	Piedmont alluvial deposits
LithClass	sedimentary
PrimLith	alluvium
UnitDesc	Piedmont alluvial deposits (Holocene to lower Pleistocene)



APPENDIX C

SAMPLE FIELD SCREEN AND LABORATORY ANALYSIS RESULTS

Client: Devon Energy Production Company

Site: Hognose Viper 23 CTB 1

Incident ID: nAPP2600520327

Project #: 2607-10026

Lab Reports: 885-43811-1

Table 3: Confirmation Field Screening & Laboratory Analysis Results

Sample Details		Preliminary Screening			Laboratory Analysis Results								
Sample ID	Date	Depth (ft bgs)	Volatile Organic Compounds (PID)	Extractable Organic Compounds (Petroflag)	Chloride Concentration (Electrical Conductivity Meter)	Method 8021B		Method 8015D				Method 300.0	
						Benzene	Total BTEX	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO +DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration (Cl ⁻)
Closure Criteria Limits			ppm	ppm	ppm	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
51-100 ft DTGW			-	-	-	10	50	-	-	-	1,000	2,500	10,000
TP01	2/18/2026	0	-	-	1034	<0.0020	0.0100	<50	<50	<50	<100	<150	1,600
		1	-	-	5810	-	-	-	-	-	-	-	-
		2	-	-	6185	<0.0020	0.0100	<50	<50	<50	<100	<150	4,800
		2.5	-	-	5300	-	-	-	-	-	-	-	-
		3	-	-	1823	<0.0020	0.0100	<50	<50	<50	<100	<150	1,700
TP02	2/18/2026	0	-	-	8904	<0.0020	0.0100	<50	<50	<50	<100	<150	7,700
		1	-	-	3587	-	-	-	-	-	-	-	-
		2	-	-	1320	<0.0020	0.0100	<50	<50	<50	<100	<150	1,100
		2.5	-	-	446	-	-	-	-	-	-	-	450
TP03	2/18/2026	0	-	-	2014	<0.0020	0.0100	<50	<50	<50	<100	<150	1,300
		1	-	-	3231	-	-	-	-	-	-	-	-
		2	-	-	1282	<0.0020	0.0100	<50	<50	<50	<100	<150	860
TP04	2/18/2026	0	-	-	73	<0.0020	0.0100	<50	<50	<50	<100	<150	59
		1	-	-	109	-	-	-	-	-	-	-	-
		2	-	-	105	<0.0020	0.0100	<50	<50	<50	<100	<150	85
		2.5	-	-	46	-	0.0020	<50	<50	<50	<100	<150	28
TP05	2/18/2026	0	-	-	151	<0.0020	0.0100	<50	<50	<50	<100	<150	74
		1	-	-	31	-	-	-	-	-	-	-	-
		2	-	-	34	<0.0020	0.0100	<50	<50	<50	<100	<150	<10
		2.5	-	-	26	<0.0020	0.0100	<50	<50	<50	<100	<150	14
TP06	2/18/2026	0	-	-	431	<0.0020	0.0100	<50	<50	<50	<100	<150	560
		1	-	-	0	-	-	-	-	-	-	-	-
		2	-	-	217	<0.0020	0.0100	<50	<50	<50	<100	<150	270
BH01	2/18/2026	0	-	-	709	<0.0020	0.0100	<50	<50	<50	<100	<150	540
		1	-	-	149	-	-	-	-	-	-	-	-
		2	-	-	68	<0.0020	0.0100	<50	<50	<50	<100	<150	51
		3.5	-	-	57	<0.0020	0.0100	<50	<50	<50	<100	<150	17
BH02	2/18/2026	0	-	-	2541	<0.0020	0.0100	<50	<50	<50	<100	<150	1,900
		1	-	-	3196	-	-	-	-	-	-	-	-
		2	-	-	107	<0.0020	0.0100	<50	<50	<50	<100	<150	58
		3	-	-	139	-	-	-	-	-	-	-	-
		4	-	-	0	<0.0020	0.0100	<50	<50	<50	<100	<150	21

"-" indicates not analyzed

"Red" Highlighted indicates above Closure Criteria Threshold

"Green" Indicates sample recollection below Closure Criteria Threshold

APPENDIX D

FIELD NOTES & PHOTOLOG REPORTS

Environmental Remediation Field Notes & Photolog Report



Site & Incident Information

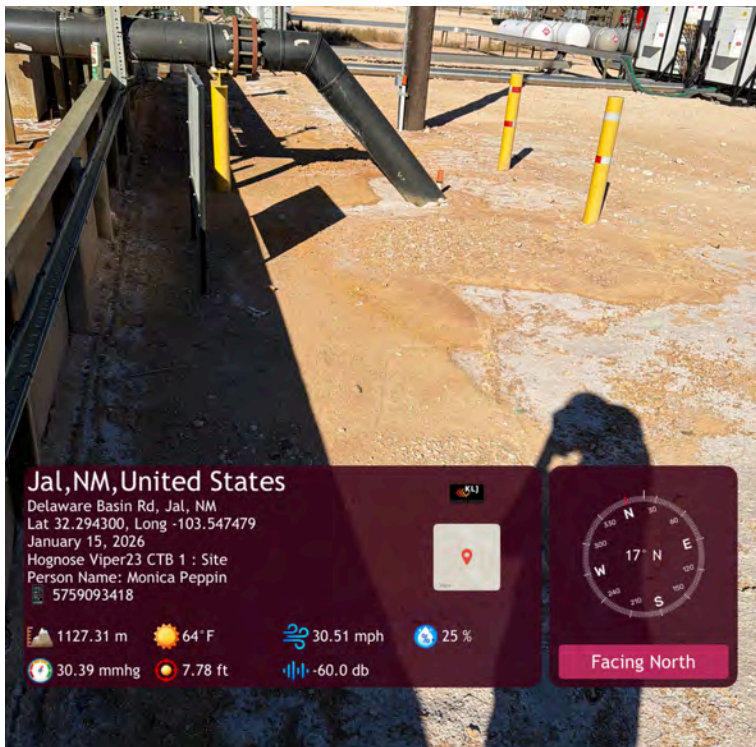
Client:	Devon Energy	Date:	January 15, 2026
Site:	Hognose Viper 23 CTB 1	Arrival Time:	2:10 PM
Incident ID:	nAPP2600520327	<p>Lease Sign:</p>	
Client Contact:	Jim Raley		
Land Status:	BLM		
County:	Lea		
Lease ID:	NMNM121489		
Facility ID:	fAPP2527329875		
Coordinates:	32.2945532, -103.5476102		

Observations and Field Notes

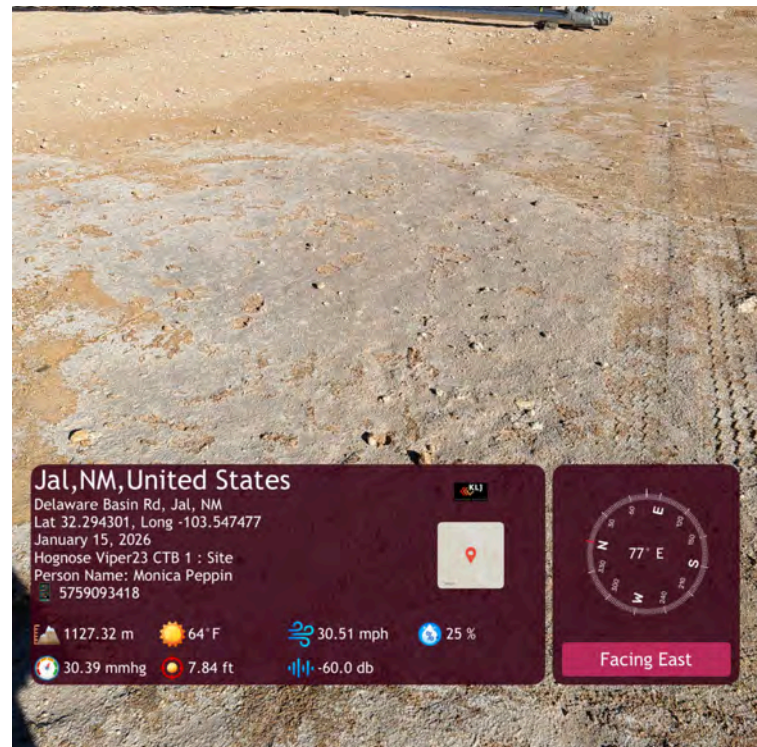
- 2:10 PM - Arrive on location, discuss with crew incident details, and begin walking release area.
- 2:15 PM - Surface has crystalline layer showing a defined area of where the extents of the release ran to and ended.
- 2:25 PM - Photos of area taken in different directions around the release to show where surface staining is present.
- 2:36 PM - Marked around release area with paint for one call. Going to use equipment for delineation.
- 2: 50 PM - Check around containment area to see where flowlines go underground.
- 3:00 PM - Directions to site for one call submission.



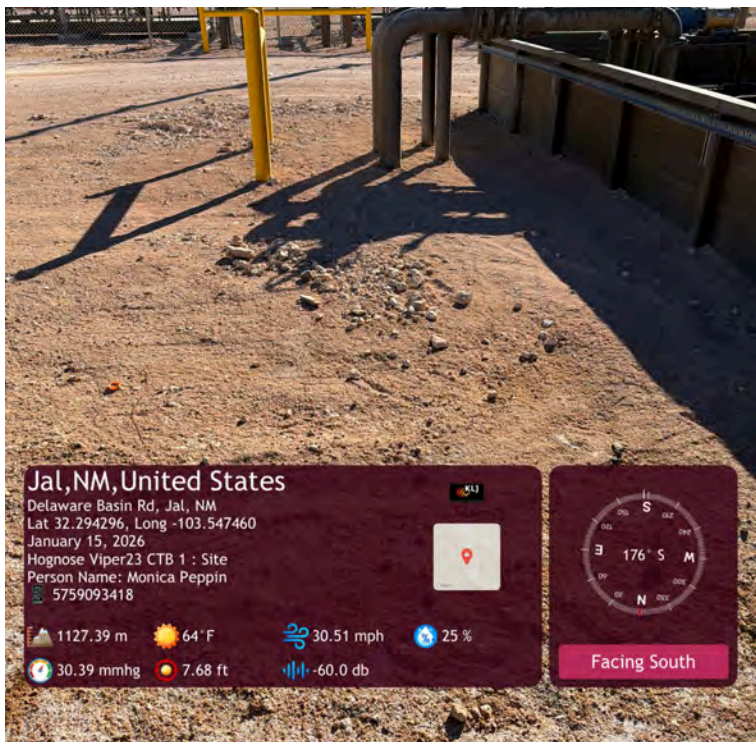
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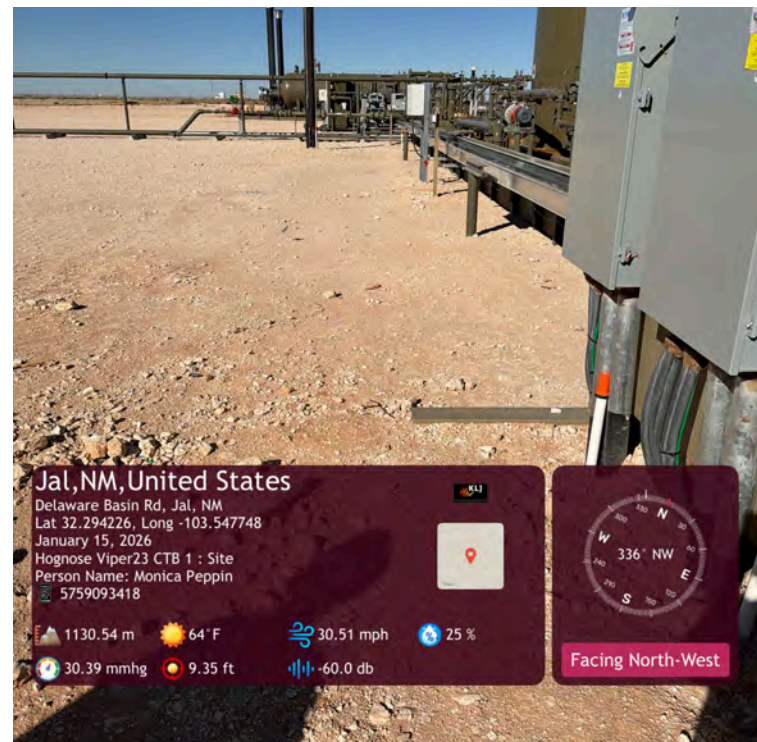
Area along containment wall.



Surface staining.



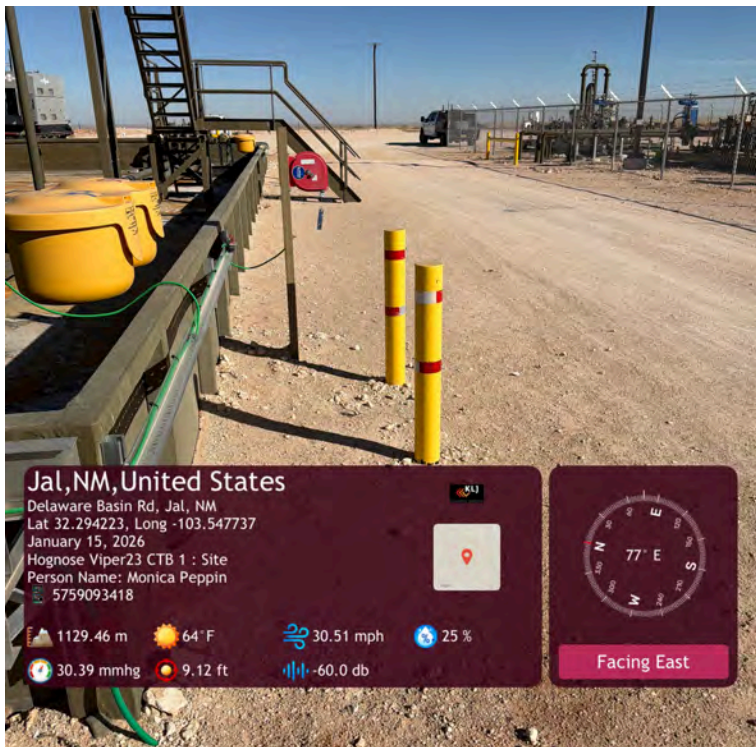
Staining around riser and containment.



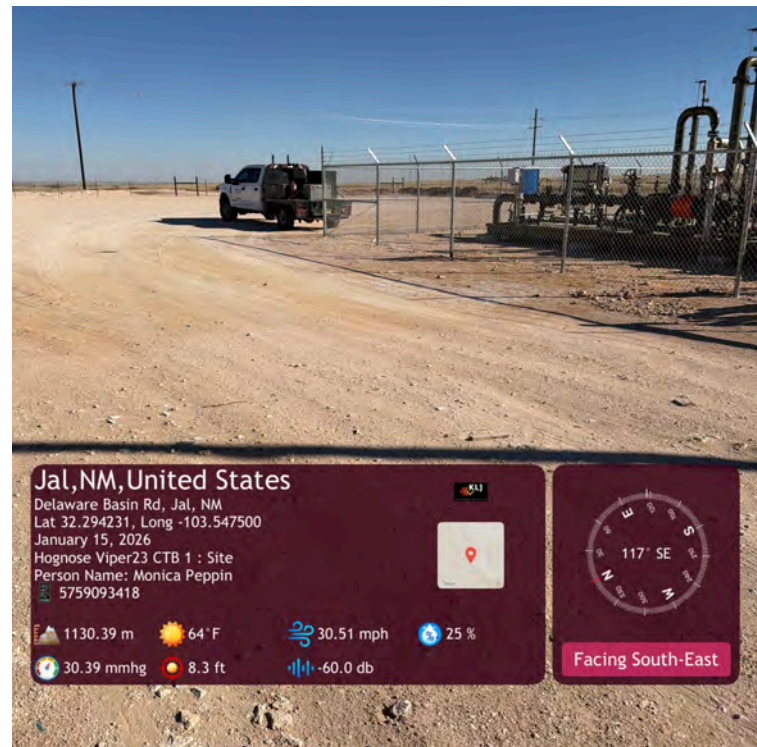
Area near electrical.



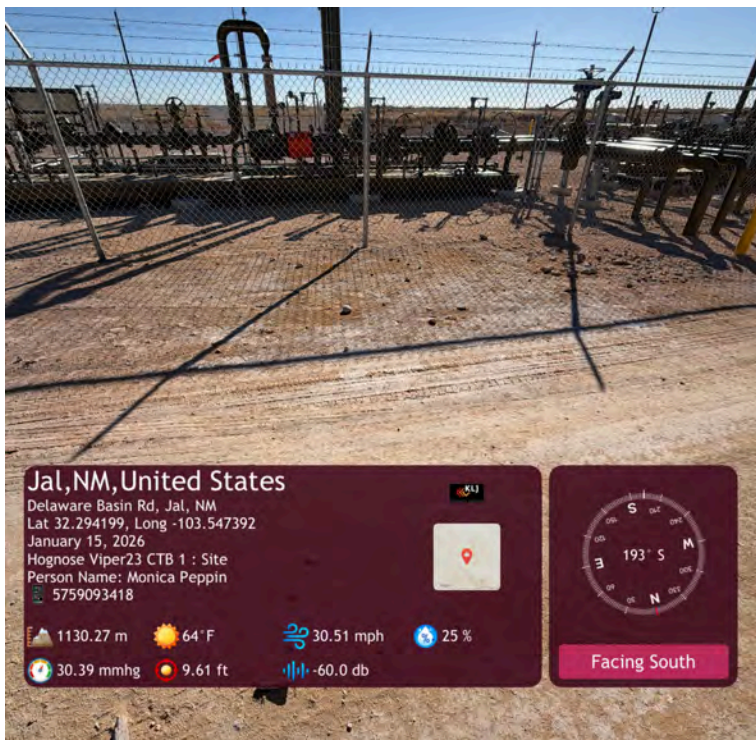
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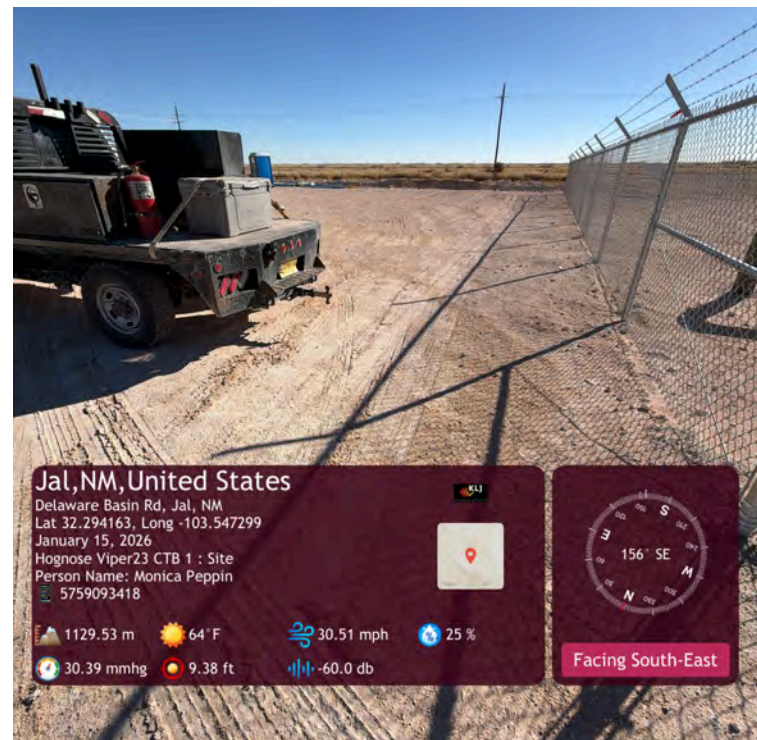
South side of containment.



Area where release ran towards southeast.



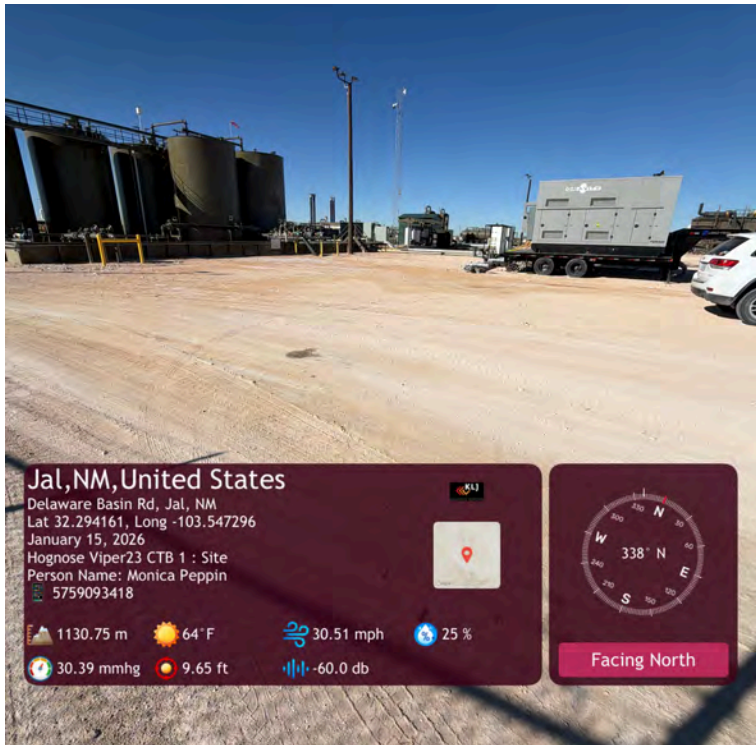
Staining around fence line.



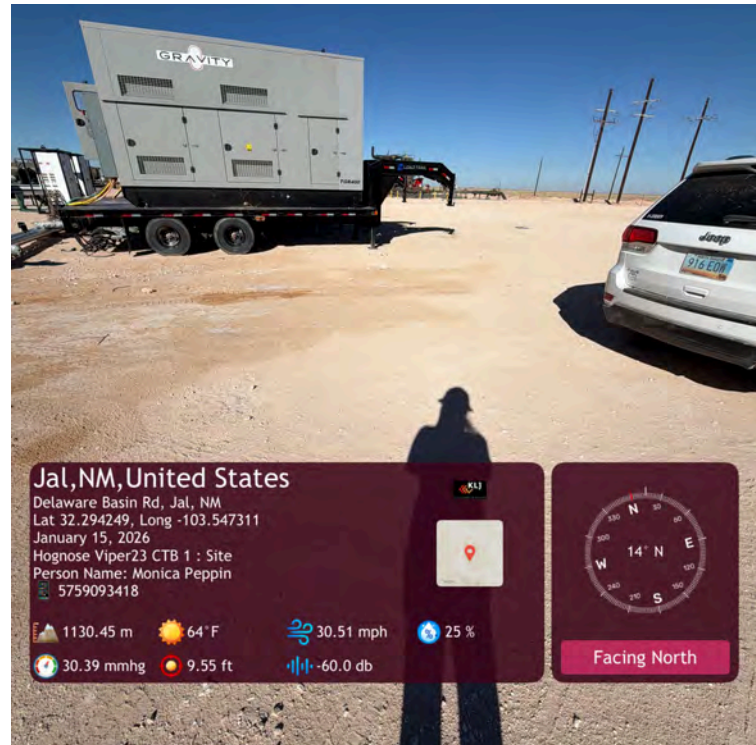
Southeast area where release stopped.



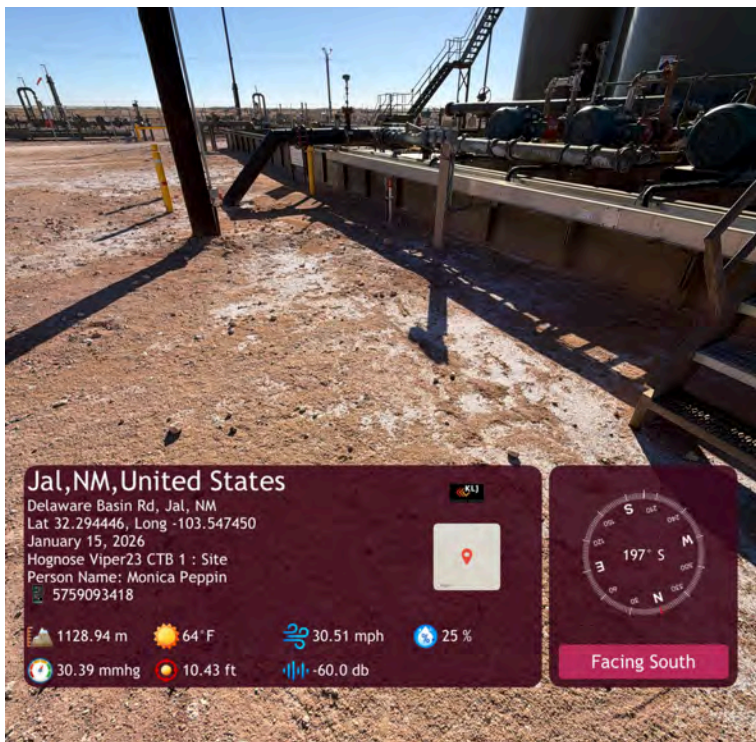
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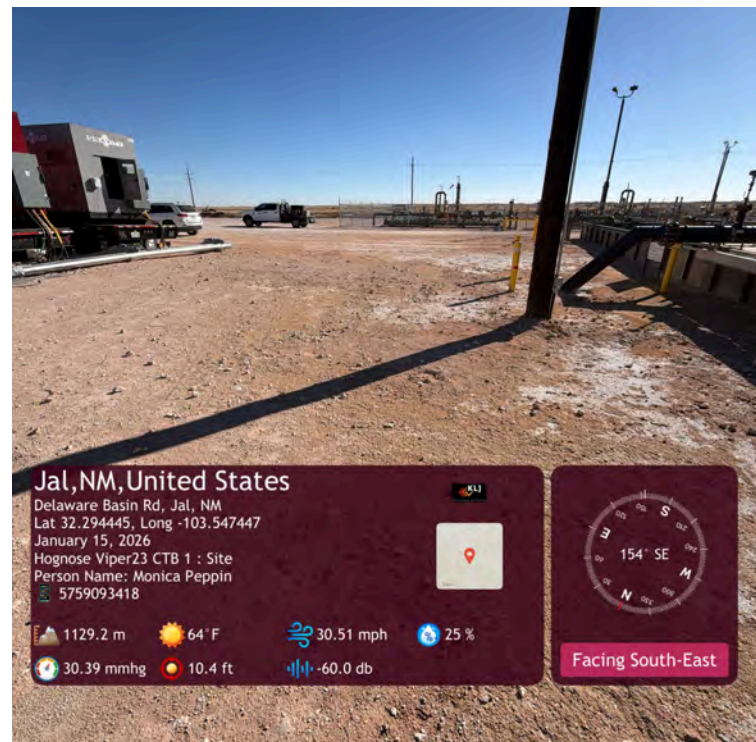
Looking back towards containment.



East area of release.



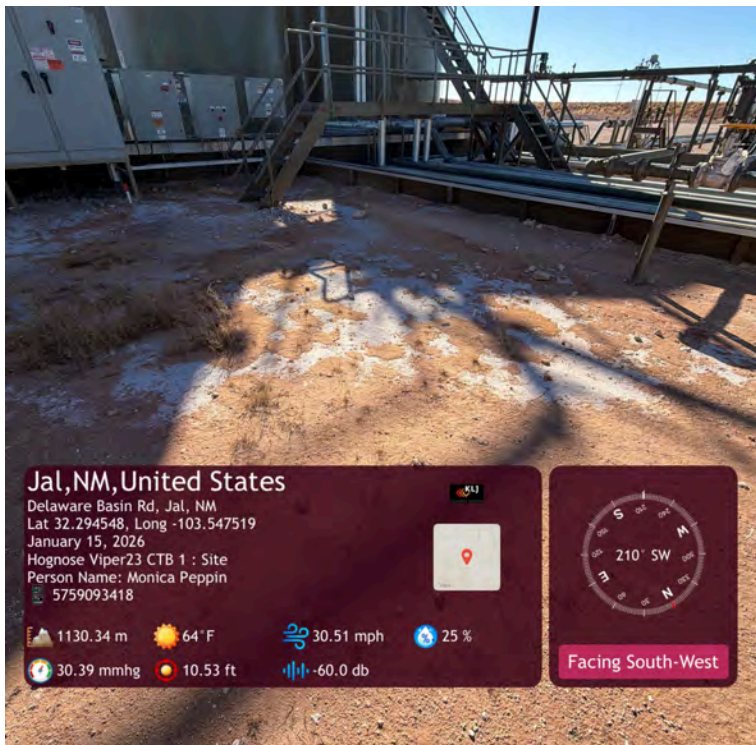
Heavy crystalline staining around containment.



East area from north end.



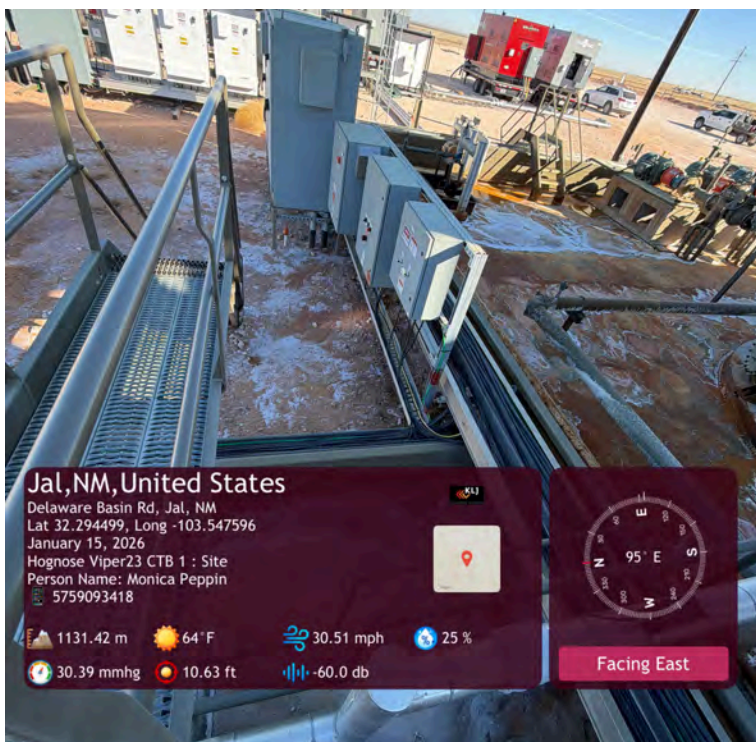
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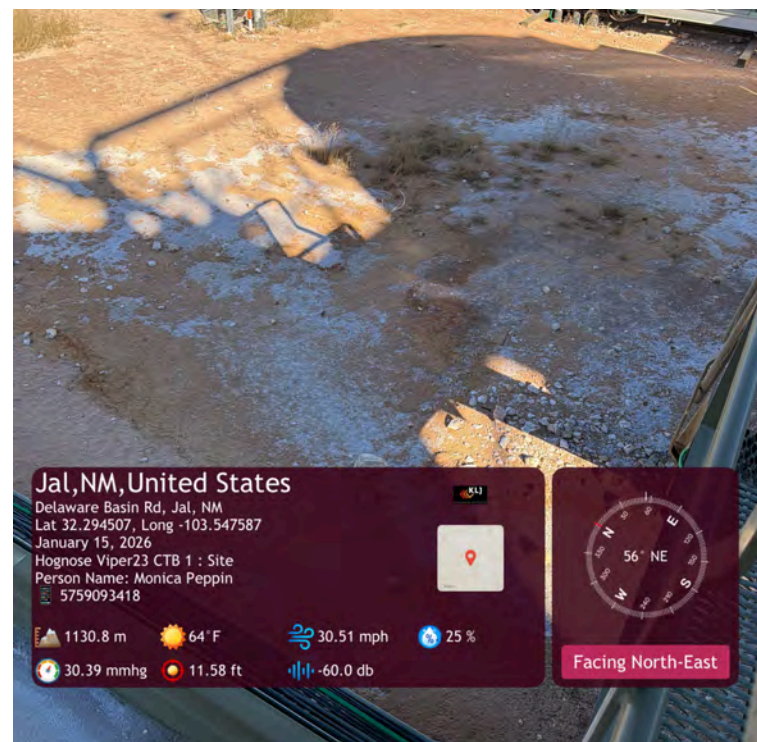
North side of containment.



Staining around electrical.



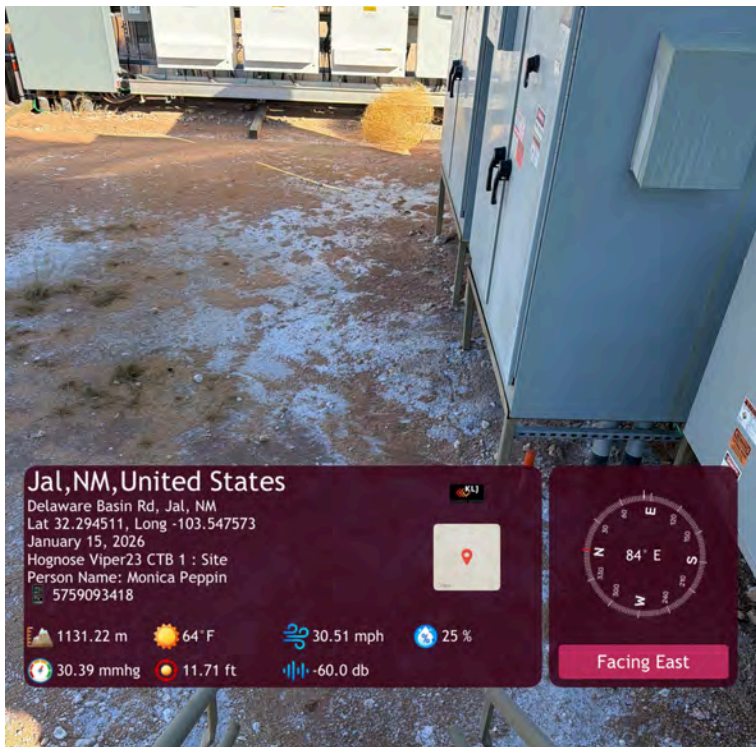
Staining near congested area of equipment.



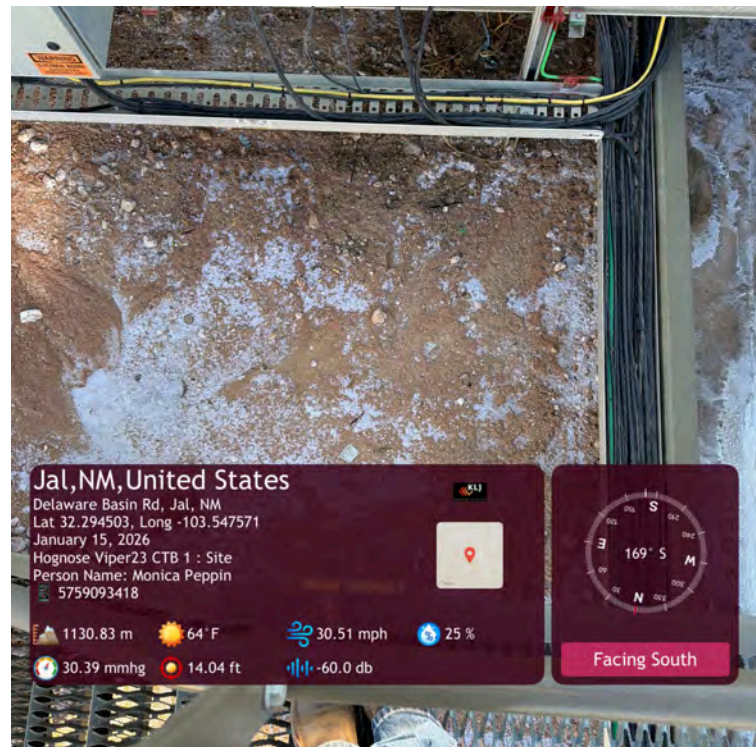
Staining on ground surface.



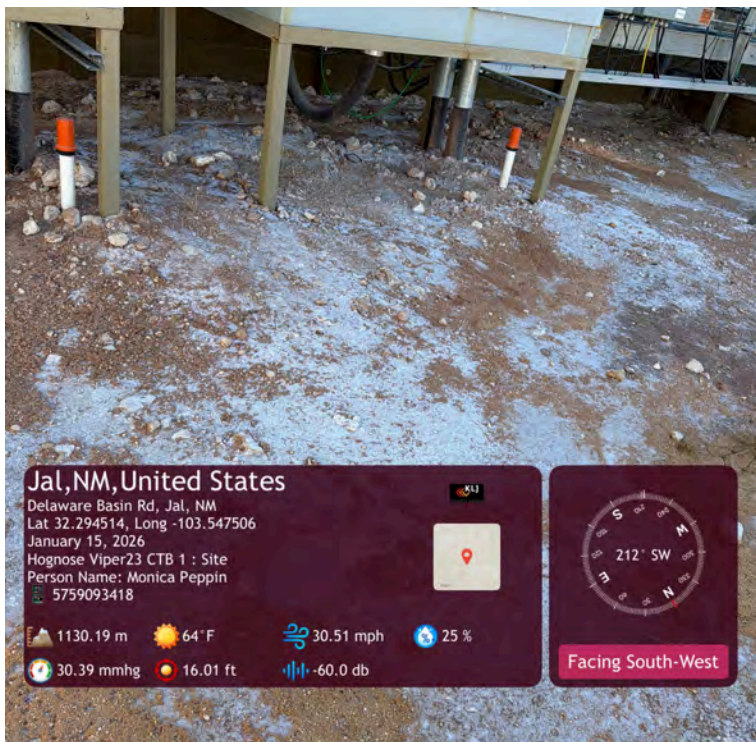
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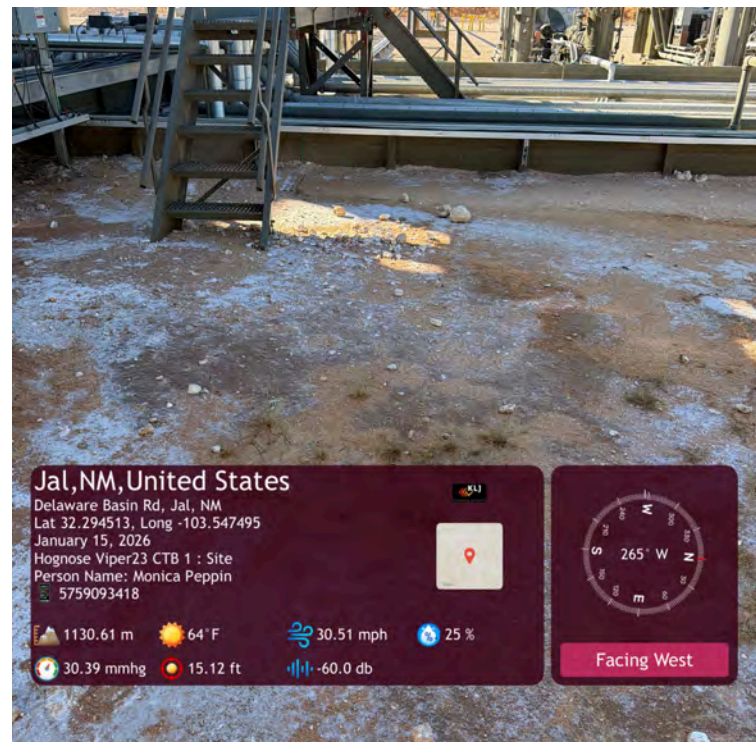
Staining under electrical.



Staining near electrical.



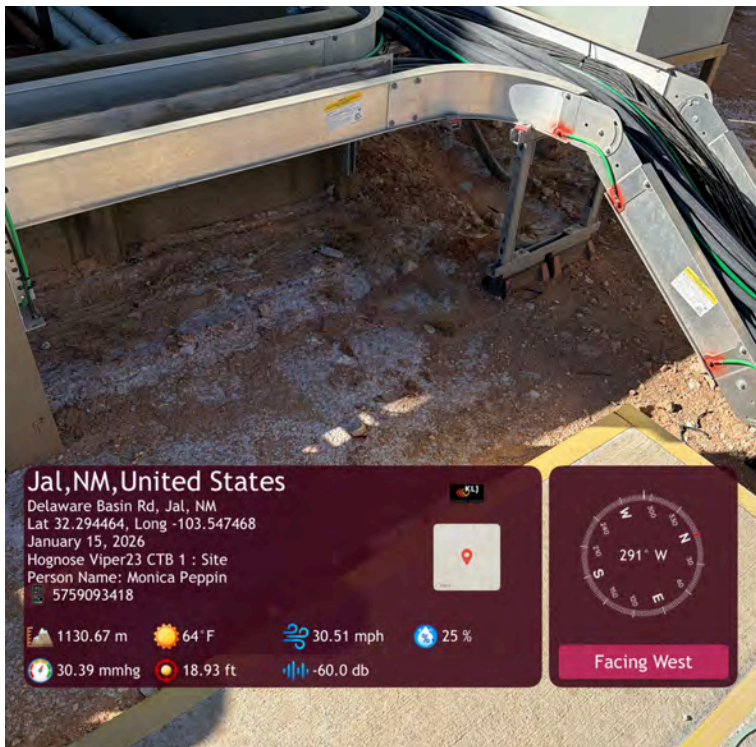
Surface staining around electrical.



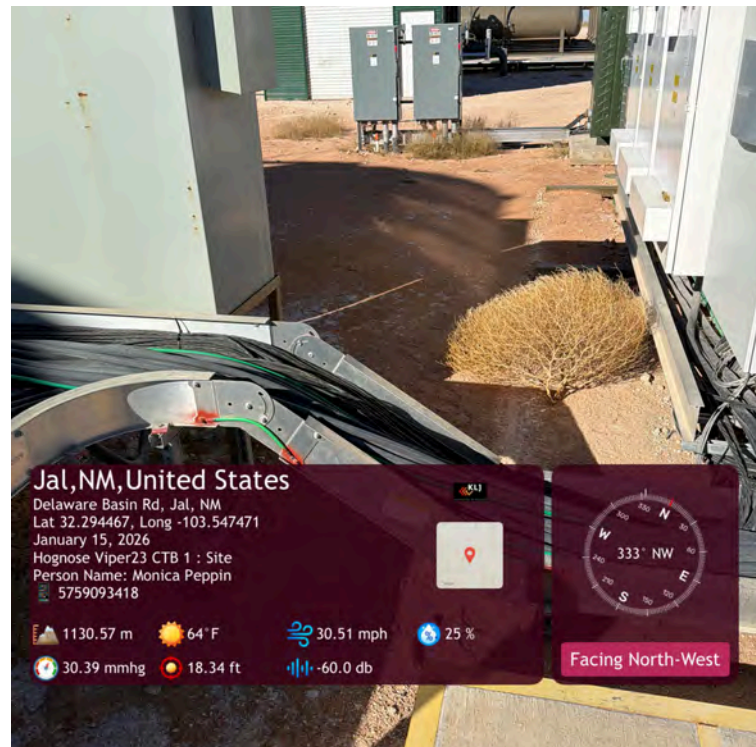
Surface staining.



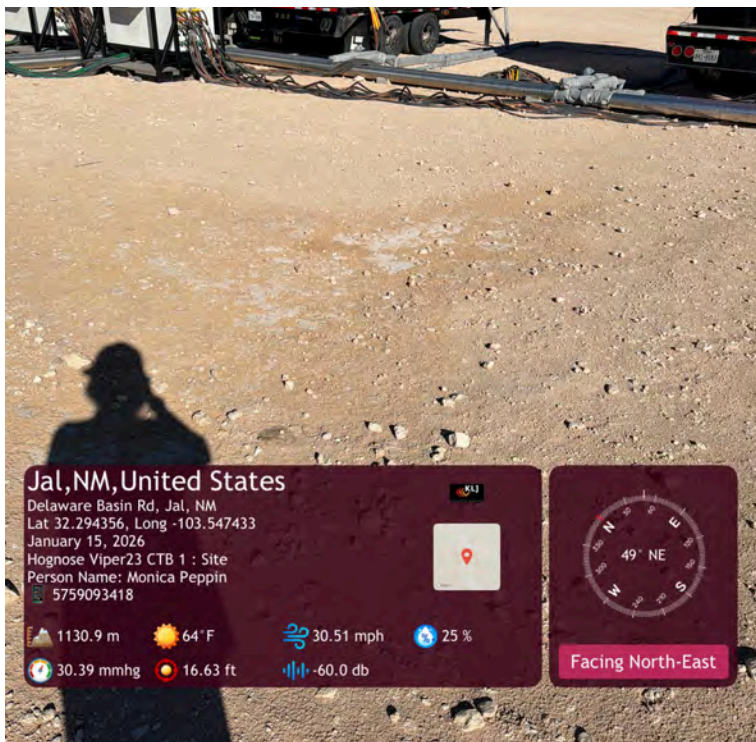
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Crystalline residue on surface under electrical conduit.



Surface staining under and around equipment and electrical panels.



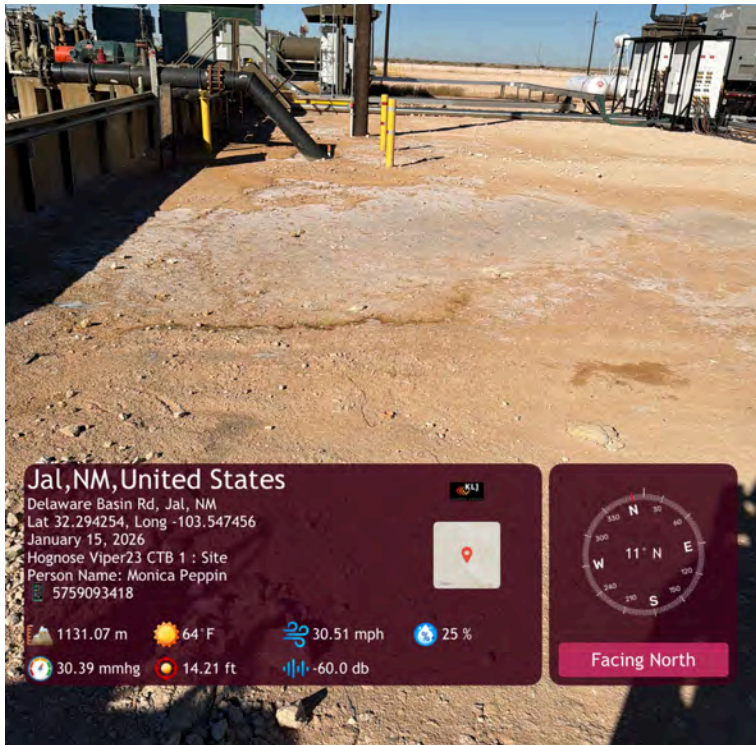
Staining near generator.



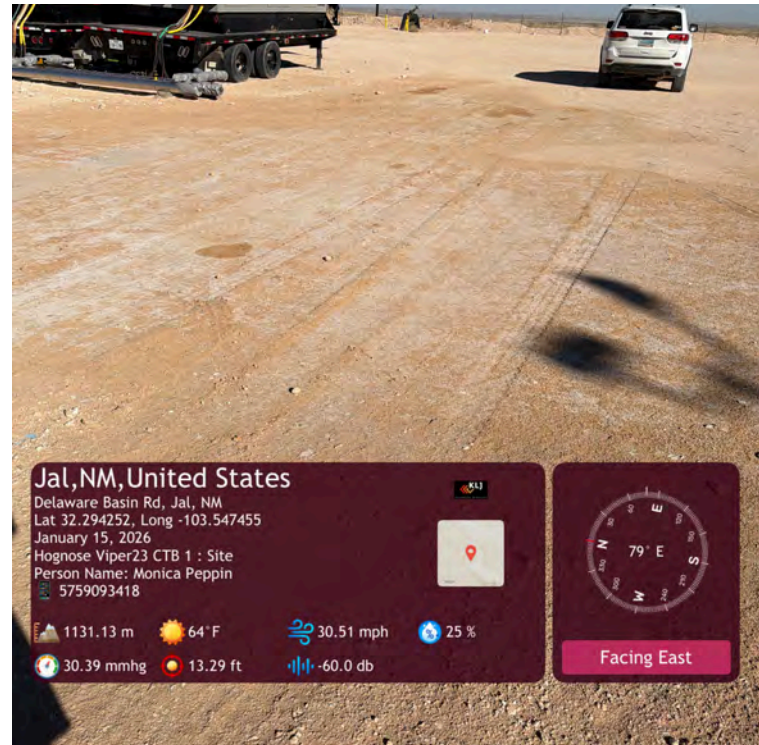
Area where fluids ran over containment wall.



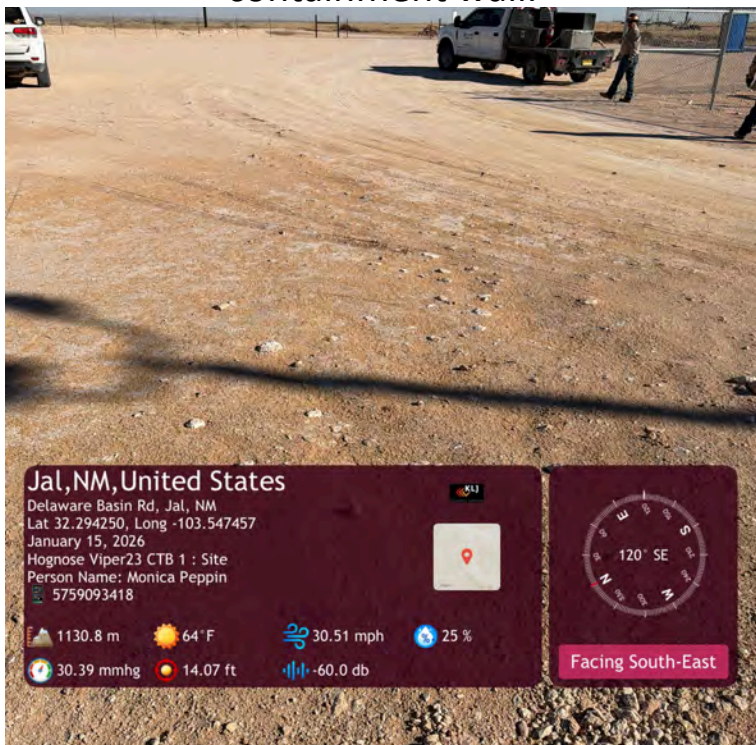
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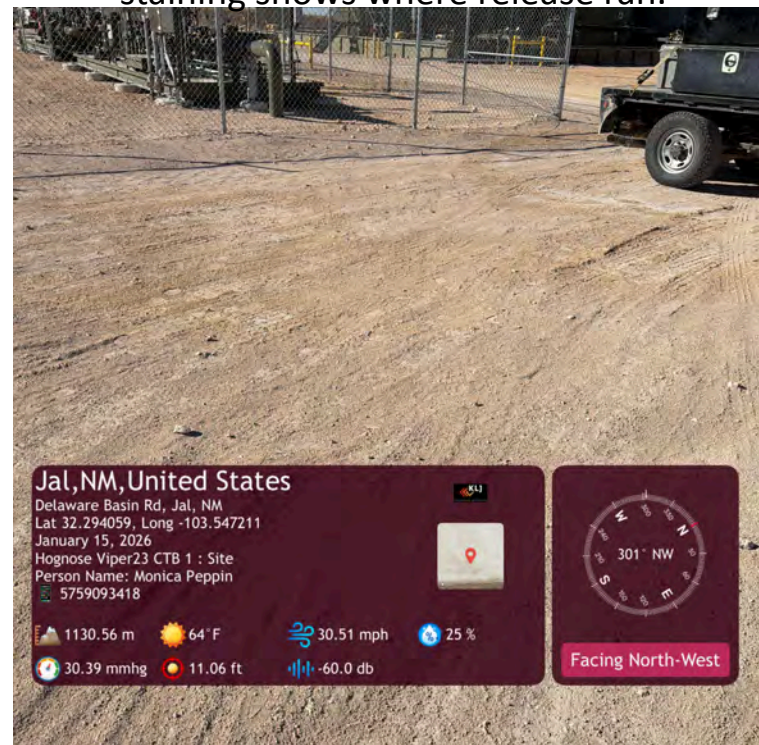
East area where release went over containment wall.



East area of contamination where visual staining shows where release ran.



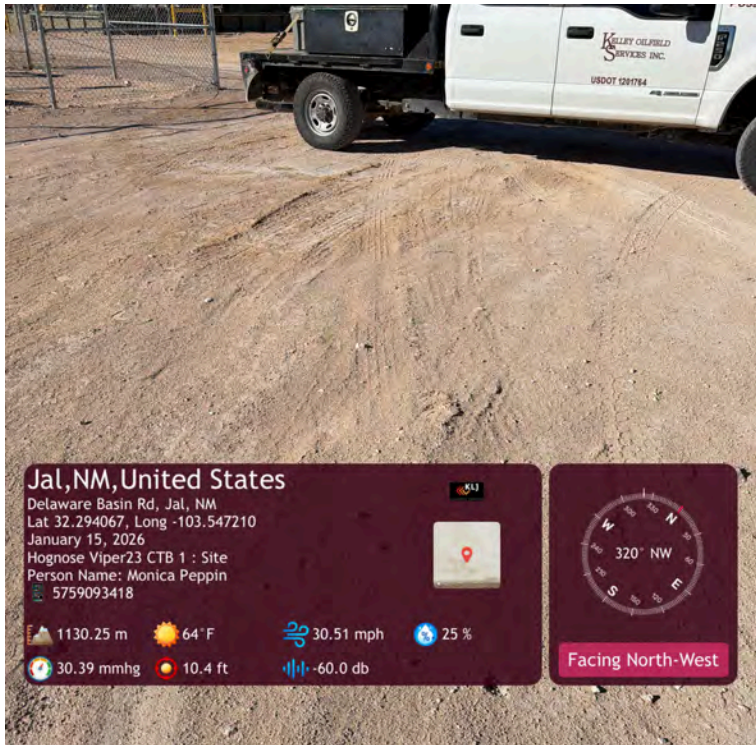
Staining on surface to the southeast.



South end of release near fencing.



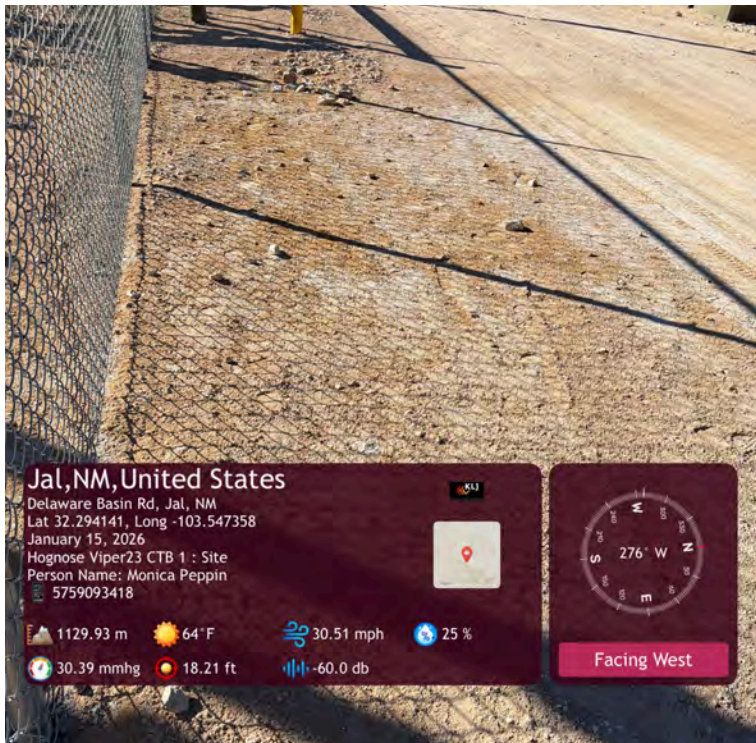
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South area of release where it stopped.



Visual staining along fence line.



Visual staining near fence.




Additional Notes & Recommendations

- Submit one call and prepare to delineate area.
- Wait for one call to clear and begin delineation.
- Collect samples and field screen to find extents of release.

Acknowledgement & Signature

Technician: Monica Peppin

Date: January 15, 2026

Signature: 

Departure
Time: 3:36 PM

Environmental Remediation Field Notes & Photolog Report



Site & Incident Information

Client:	Devon Energy	Date:	February 18, 2026
Site:	Hognose Viper 23 CTB 1	Arrival Time:	8:00 AM
Incident ID:	nAPP2600520327	County:	Eddy
GPS:	32.2945532, -103.5476102	Lease ID:	NMNM121489
Land Status:	Federal	Facility ID:	fAPP2527329875

Observations and Field Notes



PROJECT Hognose Viper 23 CTB1
 SHEET NO. 1 OF 2
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____

Field Notes 2/18/26

- Arrive on site, complete JHA & tailgate meeting
- Equipment on site to complete test pit sample location to find extents of the release area.
- Pack caliche used for pad surface on top of native ground.
- Background soils are sandy to sandy loam
- Begin collection of samples starting at Southeast area and work back to the North.
- Samples collected at 1ft depth intervals.
- Refusal layer hit at 2 ft bgs to 2.5 ft bgs with a hard pan rock layer.
- Attempting to collect samples to the vertical depth of 4 ft bgs.
- Prior to a test pit being dug, utilities were swept for again and one call was clear with everything marked.
- Use of a hand auger to collect samples in areas more congested and equipment cannot access.
- Two boreholes dug on North end of release near electrical.
- Samples have no odor to them, but texture varies from what is clean to what is contaminated.



PROJECT Hognose Viper 23 CTB1
 SHEET NO. 2 OF 2
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____

Field Notes cont. 2/18/26

- Field screening samples w/ EC meter to determine if sample location needs to be stepped out for horizontal extents or further vertically for max depth of contamination.
- TPO1 & TPO2 hit refusal layer. TPO1 refusal at 3 ft bgs. TPO2 hit refusal at 2.5 ft bgs
- TPO3 field screen did not come down in chlorides and hit refusal at 2 ft bgs. Will need to step out again.
- BHO1 & BHO2 both clean up at vertical depths.
- Will need to step out more to finish horizontal delineation.
- Closure criteria research shows nowells are w/in 1/2 mile radius.
- All extents will be found during remediation activities.
- Send samples to lab for analysis
- Complete mapping of equipment and sample locations
- Upload photos and notes

Date: 2/18/26



Photolog



Lease sign of location.



Borehole sample location on north end of release area.



Photolog



Test pit location TP01 on southeast end of stained surface area.



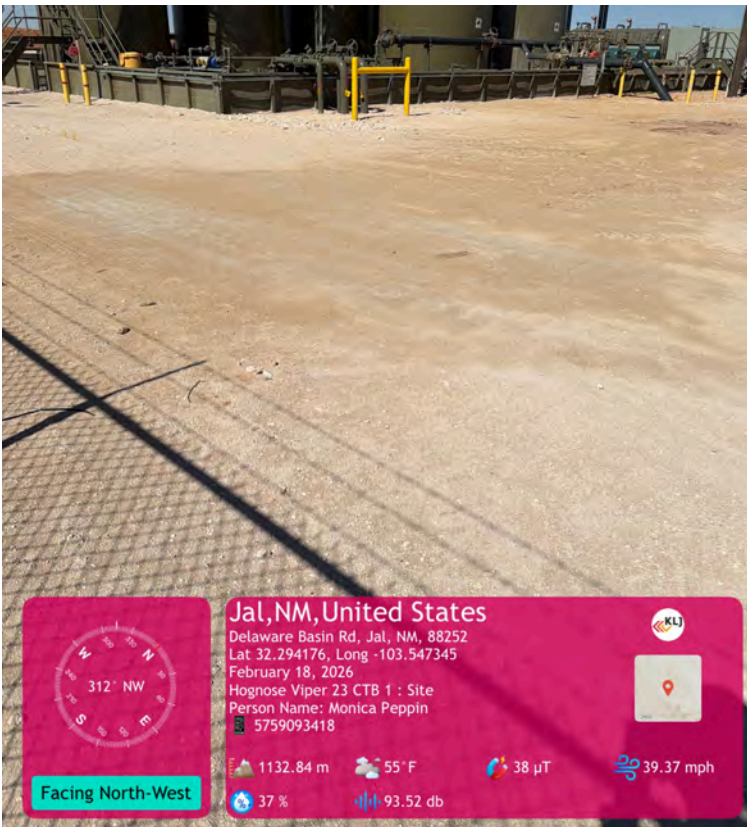
Test pit location TP01 closest to backhoe and TP03 in the top right corner.



Photolog



Test pit location TP04.



Viewing release area where TP05 and TP02 will be sampled.



Photolog



Backfill of test pit location TP02 within middle of release area after samples were collected.



Backfill of test pit locations TP04 and TP06.



Photolog



Backfill of test pit locations after collecting samples at each depth interval.



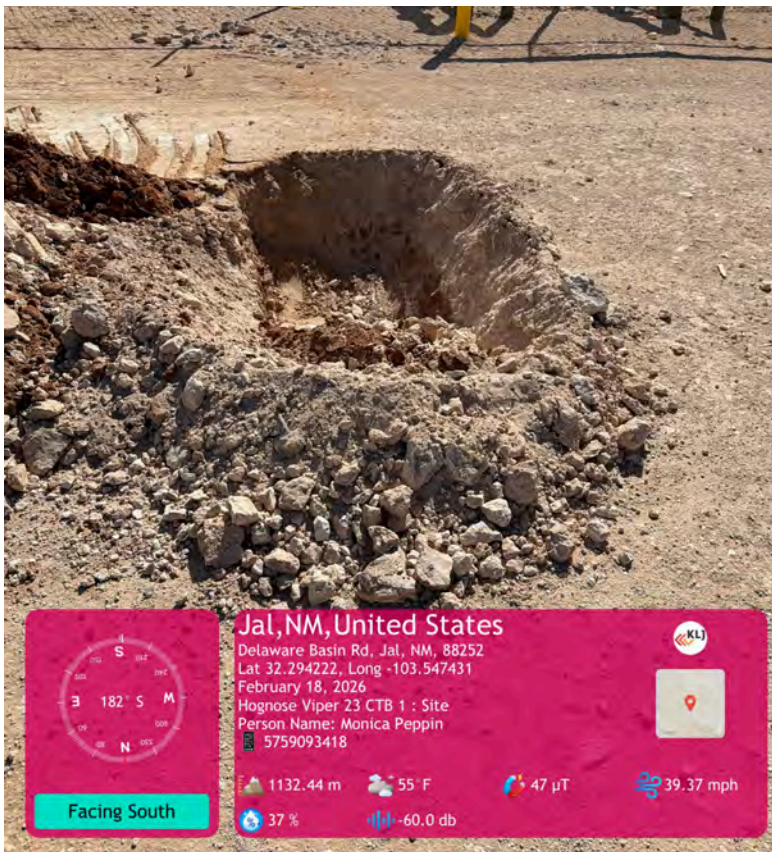
Test pit location TP06 on east end of release area.



Photolog



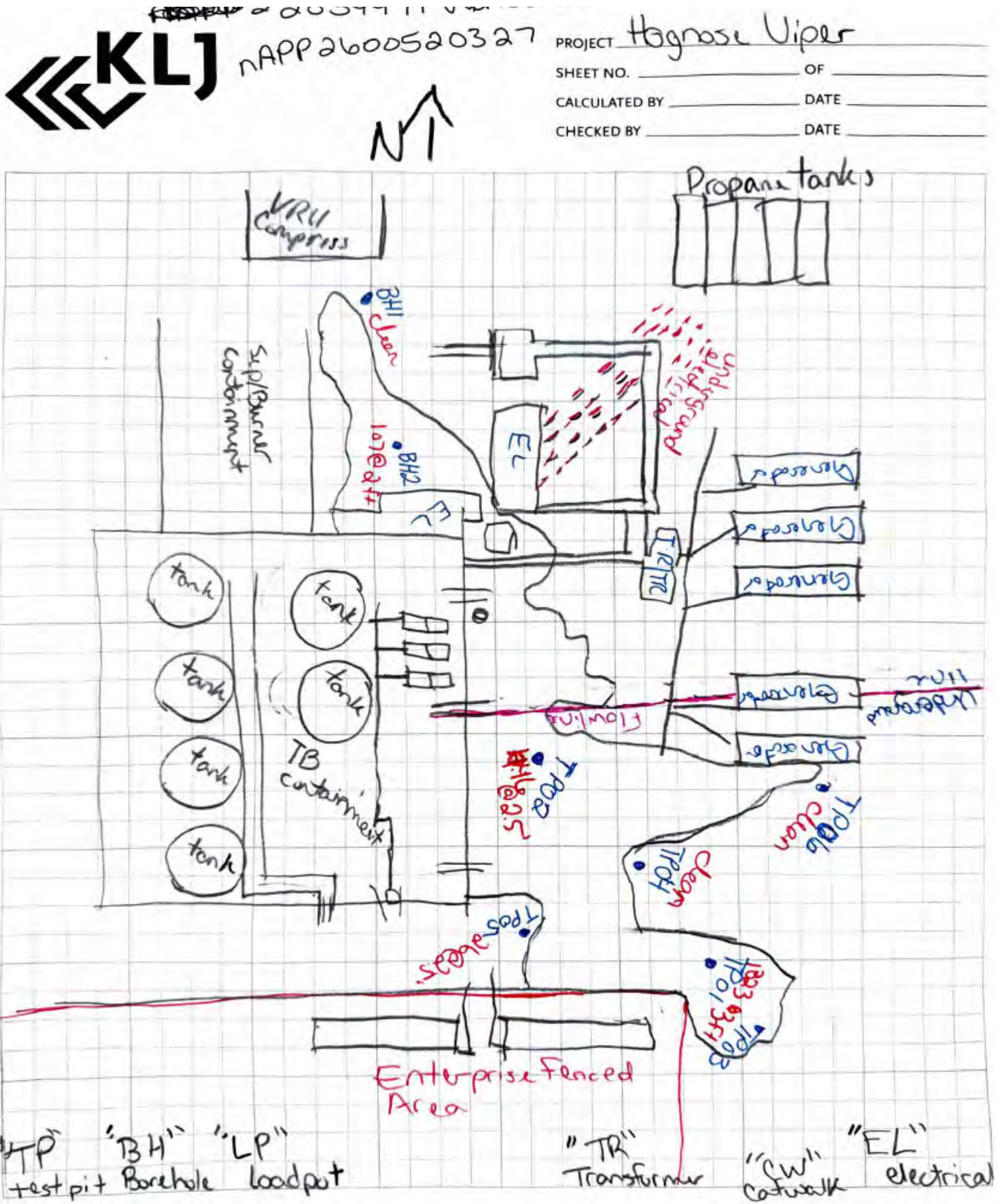
Test pit location TP04 on east side of release area between TP01 and TP06.



Test pit location TP05 on west side of release area between containment and fence.



Photolog





Additional Notes & Recommendations

- Label sample jars and fill out COC.
- Pack samples and prepare for handoff to courier for lab analysis.
- Complete mapping of sample locations, release area, and equipment.
- Wait for lab results.
- Create yardage estimate for area to be excavated.

Acknowledgement & Signature

Technician: Monica Peppin

Date: Feburary 18, 2026

Signature: 

Departure Time: 4:41 PM

APPENDIX E

LABORATORY ANALYSIS REPORT



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Monica Peppin
 Devon Energy Corporation
 6488 Seven Rivers Hwy
 Artesia, New Mexico 88210

Generated 2/26/2026 9:13:37 PM

JOB DESCRIPTION

Hognose Viper 23 CTB1

JOB NUMBER

885-43811-1

Eurofins Albuquerque
 4901 Hawkins NE
 Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
2/26/2026 9:13:37 PM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Devon Energy Corporation
Project/Site: Hognose Viper 23 CTB1

Laboratory Job ID: 885-43811-1

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Definitions/Glossary

Client: Devon Energy Corporation
Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Devon Energy Corporation
Project: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Job ID: 885-43811-1

Eurofins Albuquerque

Job Narrative 885-43811-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 2/20/2026 10:23 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: TP05 2' (885-43811-13), TP05 2.5' (885-43811-14), TP06 0' (885-43811-15), TP06 2' (885-43811-16), BH01 0' (885-43811-17) and BH01 3.5' (885-43811-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-132880 and analytical batch 880-132912 was outside the upper control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: TP01 0'

Lab Sample ID: 885-43811-1

Date Collected: 02/18/26 09:36

Matrix: Solid

Date Received: 02/20/26 10:23

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 16:56	1
Toluene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 16:56	1
Ethylbenzene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 16:56	1
Xylenes, Total	ND		0.0040	mg/Kg		02/24/26 15:51	02/25/26 16:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	02/24/26 15:51	02/25/26 16:56	1
1,4-Difluorobenzene (Surr)	104		70 - 130	02/24/26 15:51	02/25/26 16:56	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		02/23/26 13:24	02/24/26 23:16	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 13:24	02/24/26 23:16	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 13:24	02/24/26 23:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	02/23/26 13:24	02/24/26 23:16	1
o-Terphenyl	98		70 - 130	02/23/26 13:24	02/24/26 23:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1600		50	mg/Kg			02/25/26 14:27	5

Client Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: TP01 2'

Lab Sample ID: 885-43811-2

Date Collected: 02/18/26 09:40

Matrix: Solid

Date Received: 02/20/26 10:23

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 17:16	1
Toluene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 17:16	1
Ethylbenzene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 17:16	1
Xylenes, Total	ND		0.0040	mg/Kg		02/24/26 15:51	02/25/26 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	02/24/26 15:51	02/25/26 17:16	1
1,4-Difluorobenzene (Surr)	103		70 - 130	02/24/26 15:51	02/25/26 17:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		02/23/26 13:24	02/24/26 23:29	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 13:24	02/24/26 23:29	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 13:24	02/24/26 23:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	02/23/26 13:24	02/24/26 23:29	1
o-Terphenyl	98		70 - 130	02/23/26 13:24	02/24/26 23:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4800		99	mg/Kg			02/25/26 14:34	10

Client Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: TP01 3'

Lab Sample ID: 885-43811-3

Date Collected: 02/18/26 09:53

Matrix: Solid

Date Received: 02/20/26 10:23

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 17:37	1
Toluene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 17:37	1
Ethylbenzene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 17:37	1
Xylenes, Total	ND		0.0040	mg/Kg		02/24/26 15:51	02/25/26 17:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	02/24/26 15:51	02/25/26 17:37	1
1,4-Difluorobenzene (Surr)	104		70 - 130	02/24/26 15:51	02/25/26 17:37	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		02/23/26 13:24	02/24/26 23:43	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 13:24	02/24/26 23:43	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 13:24	02/24/26 23:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	02/23/26 13:24	02/24/26 23:43	1
o-Terphenyl	88		70 - 130	02/23/26 13:24	02/24/26 23:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1700		50	mg/Kg			02/25/26 14:40	5

Client Sample Results

Client: Devon Energy Corporation
Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: TP02 0'

Lab Sample ID: 885-43811-4

Date Collected: 02/18/26 09:55

Matrix: Solid

Date Received: 02/20/26 10:23

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 17:57	1
Toluene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 17:57	1
Ethylbenzene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 17:57	1
Xylenes, Total	ND		0.0040	mg/Kg		02/24/26 15:51	02/25/26 17:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	02/24/26 15:51	02/25/26 17:57	1
1,4-Difluorobenzene (Surr)	101		70 - 130	02/24/26 15:51	02/25/26 17:57	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		02/23/26 13:27	02/25/26 10:38	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 13:27	02/25/26 10:38	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 13:27	02/25/26 10:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	02/23/26 13:27	02/25/26 10:38	1
o-Terphenyl	100		70 - 130	02/23/26 13:27	02/25/26 10:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7700		99	mg/Kg			02/25/26 15:00	10

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Client Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: TP02 2'

Lab Sample ID: 885-43811-5

Date Collected: 02/18/26 09:59

Matrix: Solid

Date Received: 02/20/26 10:23

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 18:18	1
Toluene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 18:18	1
Ethylbenzene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 18:18	1
Xylenes, Total	ND		0.0040	mg/Kg		02/24/26 15:51	02/25/26 18:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	02/24/26 15:51	02/25/26 18:18	1
1,4-Difluorobenzene (Surr)	103		70 - 130	02/24/26 15:51	02/25/26 18:18	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		02/23/26 13:27	02/25/26 15:24	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 13:27	02/25/26 15:24	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 13:27	02/25/26 15:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	02/23/26 13:27	02/25/26 15:24	1
o-Terphenyl	102		70 - 130	02/23/26 13:27	02/25/26 15:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1100		10	mg/Kg			02/25/26 15:07	1

Client Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: TP02 2.5'

Lab Sample ID: 885-43811-6

Date Collected: 02/18/26 10:04

Matrix: Solid

Date Received: 02/20/26 10:23

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 18:38	1
Toluene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 18:38	1
Ethylbenzene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 18:38	1
Xylenes, Total	ND		0.0040	mg/Kg		02/24/26 15:51	02/25/26 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	02/24/26 15:51	02/25/26 18:38	1
1,4-Difluorobenzene (Surr)	99		70 - 130	02/24/26 15:51	02/25/26 18:38	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		02/23/26 13:27	02/25/26 15:39	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 13:27	02/25/26 15:39	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 13:27	02/25/26 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	02/23/26 13:27	02/25/26 15:39	1
o-Terphenyl	98		70 - 130	02/23/26 13:27	02/25/26 15:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	450		9.9	mg/Kg			02/25/26 15:27	1

Client Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: TP03 0'

Lab Sample ID: 885-43811-7

Date Collected: 02/18/26 11:00

Matrix: Solid

Date Received: 02/20/26 10:23

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 18:59	1
Toluene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 18:59	1
Ethylbenzene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 18:59	1
Xylenes, Total	ND		0.0040	mg/Kg		02/24/26 15:51	02/25/26 18:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	02/24/26 15:51	02/25/26 18:59	1
1,4-Difluorobenzene (Surr)	105		70 - 130	02/24/26 15:51	02/25/26 18:59	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		02/23/26 13:27	02/25/26 15:55	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 13:27	02/25/26 15:55	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 13:27	02/25/26 15:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	02/23/26 13:27	02/25/26 15:55	1
o-Terphenyl	97		70 - 130	02/23/26 13:27	02/25/26 15:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1300		10	mg/Kg			02/25/26 15:34	1

Client Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: TP03 2'

Lab Sample ID: 885-43811-8

Date Collected: 02/18/26 11:10

Matrix: Solid

Date Received: 02/20/26 10:23

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 19:19	1
Toluene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 19:19	1
Ethylbenzene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 19:19	1
Xylenes, Total	ND		0.0040	mg/Kg		02/24/26 15:51	02/25/26 19:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	02/24/26 15:51	02/25/26 19:19	1
1,4-Difluorobenzene (Surr)	103		70 - 130	02/24/26 15:51	02/25/26 19:19	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		02/23/26 13:27	02/25/26 16:10	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 13:27	02/25/26 16:10	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 13:27	02/25/26 16:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	02/23/26 13:27	02/25/26 16:10	1
o-Terphenyl	102		70 - 130	02/23/26 13:27	02/25/26 16:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	860		10	mg/Kg			02/25/26 15:41	1

Client Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: TP04 0'

Lab Sample ID: 885-43811-9

Date Collected: 02/18/26 11:30

Matrix: Solid

Date Received: 02/20/26 10:23

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 19:40	1
Toluene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 19:40	1
Ethylbenzene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 19:40	1
Xylenes, Total	ND		0.0040	mg/Kg		02/24/26 15:51	02/25/26 19:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	02/24/26 15:51	02/25/26 19:40	1
1,4-Difluorobenzene (Surr)	102		70 - 130	02/24/26 15:51	02/25/26 19:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		02/23/26 13:27	02/25/26 16:25	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 13:27	02/25/26 16:25	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 13:27	02/25/26 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	02/23/26 13:27	02/25/26 16:25	1
o-Terphenyl	97		70 - 130	02/23/26 13:27	02/25/26 16:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59		10	mg/Kg			02/25/26 15:47	1

Client Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: TP04 2'

Lab Sample ID: 885-43811-10

Date Collected: 02/18/26 11:33

Matrix: Solid

Date Received: 02/20/26 10:23

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 20:00	1
Toluene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 20:00	1
Ethylbenzene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 20:00	1
Xylenes, Total	ND		0.0040	mg/Kg		02/24/26 15:51	02/25/26 20:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	02/24/26 15:51	02/25/26 20:00	1
1,4-Difluorobenzene (Surr)	104		70 - 130	02/24/26 15:51	02/25/26 20:00	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		02/23/26 16:09	02/25/26 12:11	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 12:11	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 12:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	02/23/26 16:09	02/25/26 12:11	1
o-Terphenyl	93		70 - 130	02/23/26 16:09	02/25/26 12:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85		10	mg/Kg			02/25/26 15:54	1

Client Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: TP04 2.5'

Lab Sample ID: 885-43811-11

Date Collected: 02/18/26 11:37

Matrix: Solid

Date Received: 02/20/26 10:23

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 17:27	1
Toluene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 17:27	1
Ethylbenzene	0.0020		0.0020	mg/Kg		02/24/26 15:49	02/25/26 17:27	1
Xylenes, Total	ND		0.0040	mg/Kg		02/24/26 15:49	02/25/26 17:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	02/24/26 15:49	02/25/26 17:27	1
1,4-Difluorobenzene (Surr)	105		70 - 130	02/24/26 15:49	02/25/26 17:27	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		02/23/26 16:09	02/25/26 12:25	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 12:25	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 12:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	02/23/26 16:09	02/25/26 12:25	1
o-Terphenyl	91		70 - 130	02/23/26 16:09	02/25/26 12:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28		9.9	mg/Kg			02/25/26 16:01	1

Client Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: TP05 0'

Lab Sample ID: 885-43811-12

Date Collected: 02/18/26 11:41

Matrix: Solid

Date Received: 02/20/26 10:23

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 17:47	1
Toluene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 17:47	1
Ethylbenzene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 17:47	1
Xylenes, Total	ND		0.0040	mg/Kg		02/24/26 15:49	02/25/26 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	02/24/26 15:49	02/25/26 17:47	1
1,4-Difluorobenzene (Surr)	107		70 - 130	02/24/26 15:49	02/25/26 17:47	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		02/23/26 16:09	02/25/26 12:39	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 12:39	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 12:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	02/23/26 16:09	02/25/26 12:39	1
o-Terphenyl	86		70 - 130	02/23/26 16:09	02/25/26 12:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74		10	mg/Kg			02/25/26 16:07	1

Client Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: TP05 2'

Lab Sample ID: 885-43811-13

Date Collected: 02/18/26 11:44

Matrix: Solid

Date Received: 02/20/26 10:23

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 18:08	1
Toluene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 18:08	1
Ethylbenzene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 18:08	1
Xylenes, Total	ND		0.0040	mg/Kg		02/24/26 15:49	02/25/26 18:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	02/24/26 15:49	02/25/26 18:08	1
1,4-Difluorobenzene (Surr)	108		70 - 130	02/24/26 15:49	02/25/26 18:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		02/23/26 16:09	02/25/26 13:07	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 13:07	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 13:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	02/23/26 16:09	02/25/26 13:07	1
o-Terphenyl	91		70 - 130	02/23/26 16:09	02/25/26 13:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		10	mg/Kg			02/25/26 15:59	1

Client Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: TP05 2.5'

Lab Sample ID: 885-43811-14

Date Collected: 02/18/26 11:47

Matrix: Solid

Date Received: 02/20/26 10:23

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 18:28	1
Toluene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 18:28	1
Ethylbenzene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 18:28	1
Xylenes, Total	ND		0.0040	mg/Kg		02/24/26 15:49	02/25/26 18:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	02/24/26 15:49	02/25/26 18:28	1
1,4-Difluorobenzene (Surr)	124		70 - 130	02/24/26 15:49	02/25/26 18:28	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		02/23/26 16:09	02/25/26 13:22	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 13:22	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 13:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	02/23/26 16:09	02/25/26 13:22	1
o-Terphenyl	89		70 - 130	02/23/26 16:09	02/25/26 13:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14		10	mg/Kg			02/25/26 16:16	1

Client Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: TP06 0'

Lab Sample ID: 885-43811-15

Date Collected: 02/18/26 11:49

Matrix: Solid

Date Received: 02/20/26 10:23

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 18:49	1
Toluene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 18:49	1
Ethylbenzene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 18:49	1
Xylenes, Total	ND		0.0040	mg/Kg		02/24/26 15:49	02/25/26 18:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	02/24/26 15:49	02/25/26 18:49	1
1,4-Difluorobenzene (Surr)	111		70 - 130	02/24/26 15:49	02/25/26 18:49	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		02/23/26 16:09	02/25/26 13:36	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 13:36	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130	02/23/26 16:09	02/25/26 13:36	1
o-Terphenyl	82		70 - 130	02/23/26 16:09	02/25/26 13:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	560		10	mg/Kg			02/25/26 16:21	1

Client Sample Results

Client: Devon Energy Corporation
Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: TP06 2'

Lab Sample ID: 885-43811-16

Date Collected: 02/18/26 11:53

Matrix: Solid

Date Received: 02/20/26 10:23

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 19:09	1
Toluene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 19:09	1
Ethylbenzene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 19:09	1
Xylenes, Total	ND		0.0040	mg/Kg		02/24/26 15:49	02/25/26 19:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	02/24/26 15:49	02/25/26 19:09	1
1,4-Difluorobenzene (Surr)	111		70 - 130	02/24/26 15:49	02/25/26 19:09	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		02/23/26 16:09	02/25/26 13:50	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 13:50	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 13:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	02/23/26 16:09	02/25/26 13:50	1
o-Terphenyl	90		70 - 130	02/23/26 16:09	02/25/26 13:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		10	mg/Kg			02/25/26 16:27	1

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Client Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: BH01 0'

Lab Sample ID: 885-43811-17

Date Collected: 02/18/26 13:20

Matrix: Solid

Date Received: 02/20/26 10:23

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 19:30	1
Toluene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 19:30	1
Ethylbenzene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 19:30	1
Xylenes, Total	ND		0.0040	mg/Kg		02/24/26 15:49	02/25/26 19:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130			02/24/26 15:49	02/25/26 19:30	1
1,4-Difluorobenzene (Surr)	115		70 - 130			02/24/26 15:49	02/25/26 19:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		02/23/26 16:09	02/25/26 14:04	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 14:04	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 14:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130			02/23/26 16:09	02/25/26 14:04	1
o-Terphenyl	92		70 - 130			02/23/26 16:09	02/25/26 14:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	540		9.9	mg/Kg			02/25/26 16:33	1

Client Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: BH01 2'

Lab Sample ID: 885-43811-18

Date Collected: 02/18/26 13:25

Matrix: Solid

Date Received: 02/20/26 10:23

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 19:50	1
Toluene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 19:50	1
Ethylbenzene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 19:50	1
Xylenes, Total	ND		0.0040	mg/Kg		02/24/26 15:49	02/25/26 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	02/24/26 15:49	02/25/26 19:50	1
1,4-Difluorobenzene (Surr)	112		70 - 130	02/24/26 15:49	02/25/26 19:50	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		02/23/26 16:09	02/25/26 14:18	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 14:18	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	02/23/26 16:09	02/25/26 14:18	1
o-Terphenyl	97		70 - 130	02/23/26 16:09	02/25/26 14:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51		10	mg/Kg			02/25/26 16:50	1

Client Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: BH01 3.5'

Lab Sample ID: 885-43811-19

Date Collected: 02/18/26 13:32

Matrix: Solid

Date Received: 02/20/26 10:23

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 20:11	1
Toluene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 20:11	1
Ethylbenzene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 20:11	1
Xylenes, Total	ND		0.0040	mg/Kg		02/24/26 15:49	02/25/26 20:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130			02/24/26 15:49	02/25/26 20:11	1
1,4-Difluorobenzene (Surr)	102		70 - 130			02/24/26 15:49	02/25/26 20:11	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		02/23/26 16:09	02/25/26 14:32	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 14:32	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 14:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130			02/23/26 16:09	02/25/26 14:32	1
o-Terphenyl	99		70 - 130			02/23/26 16:09	02/25/26 14:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17		10	mg/Kg			02/25/26 16:55	1

Client Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: BH02 0'

Lab Sample ID: 885-43811-20

Date Collected: 02/18/26 13:40

Matrix: Solid

Date Received: 02/20/26 10:23

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 20:31	1
Toluene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 20:31	1
Ethylbenzene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 20:31	1
Xylenes, Total	ND		0.0040	mg/Kg		02/24/26 15:49	02/25/26 20:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	02/24/26 15:49	02/25/26 20:31	1
1,4-Difluorobenzene (Surr)	108		70 - 130	02/24/26 15:49	02/25/26 20:31	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		02/23/26 16:09	02/25/26 14:47	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 14:47	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	02/23/26 16:09	02/25/26 14:47	1
o-Terphenyl	90		70 - 130	02/23/26 16:09	02/25/26 14:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1900		50	mg/Kg			02/25/26 17:01	5

Client Sample Results

Client: Devon Energy Corporation
Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: BH02 2'

Lab Sample ID: 885-43811-21

Date Collected: 02/18/26 13:45

Matrix: Solid

Date Received: 02/20/26 10:23

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		02/24/26 15:47	02/25/26 15:35	1
Toluene	ND		0.0020	mg/Kg		02/24/26 15:47	02/25/26 15:35	1
Ethylbenzene	ND		0.0020	mg/Kg		02/24/26 15:47	02/25/26 15:35	1
Xylenes, Total	ND		0.0040	mg/Kg		02/24/26 15:47	02/25/26 15:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	02/24/26 15:47	02/25/26 15:35	1
1,4-Difluorobenzene (Surr)	114		70 - 130	02/24/26 15:47	02/25/26 15:35	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		02/23/26 16:09	02/25/26 15:01	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 15:01	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 15:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	02/23/26 16:09	02/25/26 15:01	1
o-Terphenyl	96		70 - 130	02/23/26 16:09	02/25/26 15:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58		9.9	mg/Kg			02/25/26 17:07	1

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Client Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: BH02 4'

Lab Sample ID: 885-43811-22

Date Collected: 02/18/26 13:48

Matrix: Solid

Date Received: 02/20/26 10:23

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		02/25/26 10:01	02/25/26 16:52	1
Toluene	ND		0.0020	mg/Kg		02/25/26 10:01	02/25/26 16:52	1
Ethylbenzene	ND		0.0020	mg/Kg		02/25/26 10:01	02/25/26 16:52	1
Xylenes, Total	ND		0.0040	mg/Kg		02/25/26 10:01	02/25/26 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	02/25/26 10:01	02/25/26 16:52	1
1,4-Difluorobenzene (Surr)	102		70 - 130	02/25/26 10:01	02/25/26 16:52	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		02/23/26 16:09	02/25/26 15:15	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 15:15	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	02/23/26 16:09	02/25/26 15:15	1
o-Terphenyl	91		70 - 130	02/23/26 16:09	02/25/26 15:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21		10	mg/Kg			02/25/26 17:12	1

QC Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-132878/5-A
 Matrix: Solid
 Analysis Batch: 132913

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 132878

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		0.0020	mg/Kg		02/24/26 15:47	02/25/26 09:43	1
Toluene	ND		0.0020	mg/Kg		02/24/26 15:47	02/25/26 09:43	1
Ethylbenzene	ND		0.0020	mg/Kg		02/24/26 15:47	02/25/26 09:43	1
Xylenes, Total	ND		0.0040	mg/Kg		02/24/26 15:47	02/25/26 09:43	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	99		70 - 130	02/24/26 15:47	02/25/26 09:43	1
1,4-Difluorobenzene (Surr)	108		70 - 130	02/24/26 15:47	02/25/26 09:43	1

Lab Sample ID: LCS 880-132878/1-A
 Matrix: Solid
 Analysis Batch: 132913

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 132878

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Benzene	0.100	0.104		mg/Kg		104	70 - 130
Toluene	0.100	0.0970		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.101		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.200		mg/Kg		100	70 - 130
o-Xylene	0.100	0.0961		mg/Kg		96	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: LCSD 880-132878/2-A
 Matrix: Solid
 Analysis Batch: 132913

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 132878

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	Limits	RPD	
		Result	Qualifier					RPD	Limit
Benzene	0.100	0.105		mg/Kg		105	70 - 130	1	35
Toluene	0.100	0.0957		mg/Kg		96	70 - 130	1	35
Ethylbenzene	0.100	0.103		mg/Kg		103	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.195		mg/Kg		98	70 - 130	2	35
o-Xylene	0.100	0.0946		mg/Kg		95	70 - 130	2	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: MB 880-132880/5-A
 Matrix: Solid
 Analysis Batch: 132912

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 132880

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 12:03	1
Toluene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 12:03	1
Ethylbenzene	ND		0.0020	mg/Kg		02/24/26 15:49	02/25/26 12:03	1
Xylenes, Total	ND		0.0040	mg/Kg		02/24/26 15:49	02/25/26 12:03	1

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QC Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	195	S1+	70 - 130	02/24/26 15:49	02/25/26 12:03	1
1,4-Difluorobenzene (Surr)	122		70 - 130	02/24/26 15:49	02/25/26 12:03	1

Lab Sample ID: LCS 880-132880/1-A
 Matrix: Solid
 Analysis Batch: 132912

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 132880

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Benzene	0.100	0.102		mg/Kg		102	70 - 130
Toluene	0.100	0.103		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.107		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.227		mg/Kg		114	70 - 130
o-Xylene	0.100	0.111		mg/Kg		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: LCSD 880-132880/2-A
 Matrix: Solid
 Analysis Batch: 132912

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 132880

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.100		mg/Kg		100	70 - 130	1	35
Toluene	0.100	0.0986		mg/Kg		99	70 - 130	4	35
Ethylbenzene	0.100	0.0986		mg/Kg		99	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.213		mg/Kg		107	70 - 130	6	35
o-Xylene	0.100	0.105		mg/Kg		105	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-132881/5-A
 Matrix: Solid
 Analysis Batch: 132910

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 132881

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 11:56	1
Toluene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 11:56	1
Ethylbenzene	ND		0.0020	mg/Kg		02/24/26 15:51	02/25/26 11:56	1
Xylenes, Total	ND		0.0040	mg/Kg		02/24/26 15:51	02/25/26 11:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	02/24/26 15:51	02/25/26 11:56	1
1,4-Difluorobenzene (Surr)	99		70 - 130	02/24/26 15:51	02/25/26 11:56	1

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QC Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-132881/1-A
Matrix: Solid
Analysis Batch: 132910

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132881

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.0916		mg/Kg		92	70 - 130
Toluene	0.100	0.0870		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.0853		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.195		mg/Kg		97	70 - 130
o-Xylene	0.100	0.101		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-132881/2-A
Matrix: Solid
Analysis Batch: 132910

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 132881

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.0960		mg/Kg		96	70 - 130	5	35
Toluene	0.100	0.0885		mg/Kg		89	70 - 130	2	35
Ethylbenzene	0.100	0.0887		mg/Kg		89	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.201		mg/Kg		100	70 - 130	3	35
o-Xylene	0.100	0.104		mg/Kg		104	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: MB 880-132938/5-A
Matrix: Solid
Analysis Batch: 132911

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 132938

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		02/25/26 10:01	02/25/26 12:49	1
Toluene	ND		0.0020	mg/Kg		02/25/26 10:01	02/25/26 12:49	1
Ethylbenzene	ND		0.0020	mg/Kg		02/25/26 10:01	02/25/26 12:49	1
Xylenes, Total	ND		0.0040	mg/Kg		02/25/26 10:01	02/25/26 12:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	02/25/26 10:01	02/25/26 12:49	1
1,4-Difluorobenzene (Surr)	94		70 - 130	02/25/26 10:01	02/25/26 12:49	1

Lab Sample ID: LCS 880-132938/1-A
Matrix: Solid
Analysis Batch: 132911

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132938

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.101		mg/Kg		101	70 - 130
Toluene	0.100	0.0841		mg/Kg		84	70 - 130
Ethylbenzene	0.100	0.0891		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.200	0.170		mg/Kg		85	70 - 130

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QC Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-132938/1-A
 Matrix: Solid
 Analysis Batch: 132911

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 132938

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.0831		mg/Kg		83	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-132938/2-A
 Matrix: Solid
 Analysis Batch: 132911

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 132938

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.0962		mg/Kg		96	70 - 130	5	35
Toluene	0.100	0.0882		mg/Kg		88	70 - 130	5	35
Ethylbenzene	0.100	0.0978		mg/Kg		98	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.193		mg/Kg		96	70 - 130	13	35
o-Xylene	0.100	0.0951		mg/Kg		95	70 - 130	13	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-132723/1-A
 Matrix: Solid
 Analysis Batch: 132798

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 132723

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		02/23/26 13:24	02/24/26 17:26	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 13:24	02/24/26 17:26	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 13:24	02/24/26 17:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	02/23/26 13:24	02/24/26 17:26	1
o-Terphenyl	103		70 - 130	02/23/26 13:24	02/24/26 17:26	1

Lab Sample ID: LCS 880-132723/2-A
 Matrix: Solid
 Analysis Batch: 132798

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 132723

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	951		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	873		mg/Kg		87	70 - 130

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QC Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-132723/2-A
Matrix: Solid
Analysis Batch: 132798

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132723

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: LCSD 880-132723/3-A
Matrix: Solid
Analysis Batch: 132798

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 132723

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	939		mg/Kg		94	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	833		mg/Kg		83	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: MB 880-132724/1-A
Matrix: Solid
Analysis Batch: 132933

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 132724

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		02/23/26 13:27	02/25/26 07:34	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 13:27	02/25/26 07:34	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 13:27	02/25/26 07:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	02/23/26 13:27	02/25/26 07:34	1
o-Terphenyl	90		70 - 130	02/23/26 13:27	02/25/26 07:34	1

Lab Sample ID: LCS 880-132724/2-A
Matrix: Solid
Analysis Batch: 132933

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132724

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	936		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	951		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	98		70 - 130

Eurofins Albuquerque

QC Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-132724/3-A
Matrix: Solid
Analysis Batch: 132933

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 132724

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	942		mg/Kg		94	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	1000	953		mg/Kg		95	70 - 130	0	20	
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	97		70 - 130							
o-Terphenyl	99		70 - 130							

Lab Sample ID: 885-43811-4 MS
Matrix: Solid
Analysis Batch: 132933

Client Sample ID: TP02 0'
Prep Type: Total/NA
Prep Batch: 132724

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	ND		999	1060		mg/Kg		105	70 - 130			
Diesel Range Organics (Over C10-C28)	ND		999	964		mg/Kg		96	70 - 130			
		MS	MS									
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	107		70 - 130									
o-Terphenyl	105		70 - 130									

Lab Sample ID: 885-43811-4 MSD
Matrix: Solid
Analysis Batch: 132933

Client Sample ID: TP02 0'
Prep Type: Total/NA
Prep Batch: 132724

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	ND		999	1080		mg/Kg		106	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	ND		999	994		mg/Kg		99	70 - 130	3	20	
		MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	106		70 - 130									
o-Terphenyl	104		70 - 130									

Lab Sample ID: MB 880-132746/1-A
Matrix: Solid
Analysis Batch: 132929

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 132746

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 06:56	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		02/23/26 16:09	02/25/26 06:56	1

Eurofins Albuquerque

QC Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-132746/1-A
 Matrix: Solid
 Analysis Batch: 132929

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 132746

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	97		70 - 130	02/23/26 16:09	02/25/26 06:56	1
o-Terphenyl	111		70 - 130	02/23/26 16:09	02/25/26 06:56	1

Lab Sample ID: LCS 880-132746/2-A
 Matrix: Solid
 Analysis Batch: 132929

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 132746

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	828		mg/Kg		83	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	88		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: LCSD 880-132746/3-A
 Matrix: Solid
 Analysis Batch: 132929

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 132746

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	899		mg/Kg		90	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	825		mg/Kg		83	70 - 130	0	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	88		70 - 130
o-Terphenyl	84		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-132891/1-A
 Matrix: Solid
 Analysis Batch: 132939

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Chloride	ND		10	mg/Kg			02/25/26 12:47	1

Lab Sample ID: LCS 880-132891/2-A
 Matrix: Solid
 Analysis Batch: 132939

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

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QC Sample Results

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-132891/3-A
Matrix: Solid
Analysis Batch: 132939

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	234		mg/Kg		93	90 - 110	2	20

Lab Sample ID: 885-43811-3 MS
Matrix: Solid
Analysis Batch: 132939

Client Sample ID: TP01 3'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1700		1240	2940		mg/Kg		103	90 - 110

Lab Sample ID: 885-43811-3 MSD
Matrix: Solid
Analysis Batch: 132939

Client Sample ID: TP01 3'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1700		1240	2940		mg/Kg		103	90 - 110	0	20

Lab Sample ID: MB 880-132893/1-A
Matrix: Solid
Analysis Batch: 132949

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		10	mg/Kg			02/25/26 15:42	1

Lab Sample ID: LCS 880-132893/2-A
Matrix: Solid
Analysis Batch: 132949

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	238		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-132893/3-A
Matrix: Solid
Analysis Batch: 132949

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	240		mg/Kg		96	90 - 110	1	20

Lab Sample ID: 885-43811-13 MS
Matrix: Solid
Analysis Batch: 132949

Client Sample ID: TP05 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	ND		251	251		mg/Kg		97	90 - 110

Lab Sample ID: 885-43811-13 MSD
Matrix: Solid
Analysis Batch: 132949

Client Sample ID: TP05 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		251	253		mg/Kg		97	90 - 110	1	20

Eurofins Albuquerque

QC Association Summary

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

GC VOA

Prep Batch: 132878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43811-21	BH02 2'	Total/NA	Solid	5030B	
MB 880-132878/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-132878/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-132878/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Prep Batch: 132880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43811-11	TP04 2.5'	Total/NA	Solid	5030B	
885-43811-12	TP05 0'	Total/NA	Solid	5030B	
885-43811-13	TP05 2'	Total/NA	Solid	5030B	
885-43811-14	TP05 2.5'	Total/NA	Solid	5030B	
885-43811-15	TP06 0'	Total/NA	Solid	5030B	
885-43811-16	TP06 2'	Total/NA	Solid	5030B	
885-43811-17	BH01 0'	Total/NA	Solid	5030B	
885-43811-18	BH01 2'	Total/NA	Solid	5030B	
885-43811-19	BH01 3.5'	Total/NA	Solid	5030B	
885-43811-20	BH02 0'	Total/NA	Solid	5030B	
MB 880-132880/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-132880/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-132880/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Prep Batch: 132881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43811-1	TP01 0'	Total/NA	Solid	5030B	
885-43811-2	TP01 2'	Total/NA	Solid	5030B	
885-43811-3	TP01 3'	Total/NA	Solid	5030B	
885-43811-4	TP02 0'	Total/NA	Solid	5030B	
885-43811-5	TP02 2'	Total/NA	Solid	5030B	
885-43811-6	TP02 2.5'	Total/NA	Solid	5030B	
885-43811-7	TP03 0'	Total/NA	Solid	5030B	
885-43811-8	TP03 2'	Total/NA	Solid	5030B	
885-43811-9	TP04 0'	Total/NA	Solid	5030B	
885-43811-10	TP04 2'	Total/NA	Solid	5030B	
MB 880-132881/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-132881/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-132881/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 132910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43811-1	TP01 0'	Total/NA	Solid	8021B	132881
885-43811-2	TP01 2'	Total/NA	Solid	8021B	132881
885-43811-3	TP01 3'	Total/NA	Solid	8021B	132881
885-43811-4	TP02 0'	Total/NA	Solid	8021B	132881
885-43811-5	TP02 2'	Total/NA	Solid	8021B	132881
885-43811-6	TP02 2.5'	Total/NA	Solid	8021B	132881
885-43811-7	TP03 0'	Total/NA	Solid	8021B	132881
885-43811-8	TP03 2'	Total/NA	Solid	8021B	132881
885-43811-9	TP04 0'	Total/NA	Solid	8021B	132881
885-43811-10	TP04 2'	Total/NA	Solid	8021B	132881
MB 880-132881/5-A	Method Blank	Total/NA	Solid	8021B	132881
LCS 880-132881/1-A	Lab Control Sample	Total/NA	Solid	8021B	132881

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QC Association Summary

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

GC VOA (Continued)

Analysis Batch: 132910 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-132881/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	132881

Analysis Batch: 132911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43811-22	BH02 4'	Total/NA	Solid	8021B	132938
MB 880-132938/5-A	Method Blank	Total/NA	Solid	8021B	132938
LCS 880-132938/1-A	Lab Control Sample	Total/NA	Solid	8021B	132938
LCSD 880-132938/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	132938

Analysis Batch: 132912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43811-11	TP04 2.5'	Total/NA	Solid	8021B	132880
885-43811-12	TP05 0'	Total/NA	Solid	8021B	132880
885-43811-13	TP05 2'	Total/NA	Solid	8021B	132880
885-43811-14	TP05 2.5'	Total/NA	Solid	8021B	132880
885-43811-15	TP06 0'	Total/NA	Solid	8021B	132880
885-43811-16	TP06 2'	Total/NA	Solid	8021B	132880
885-43811-17	BH01 0'	Total/NA	Solid	8021B	132880
885-43811-18	BH01 2'	Total/NA	Solid	8021B	132880
885-43811-19	BH01 3.5'	Total/NA	Solid	8021B	132880
885-43811-20	BH02 0'	Total/NA	Solid	8021B	132880
MB 880-132880/5-A	Method Blank	Total/NA	Solid	8021B	132880
LCS 880-132880/1-A	Lab Control Sample	Total/NA	Solid	8021B	132880
LCSD 880-132880/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	132880

Analysis Batch: 132913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43811-21	BH02 2'	Total/NA	Solid	8021B	132878
MB 880-132878/5-A	Method Blank	Total/NA	Solid	8021B	132878
LCS 880-132878/1-A	Lab Control Sample	Total/NA	Solid	8021B	132878
LCSD 880-132878/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	132878

Prep Batch: 132938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43811-22	BH02 4'	Total/NA	Solid	5030B	
MB 880-132938/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-132938/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-132938/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

GC Semi VOA

Prep Batch: 132723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43811-1	TP01 0'	Total/NA	Solid	8015NM Prep	
885-43811-2	TP01 2'	Total/NA	Solid	8015NM Prep	
885-43811-3	TP01 3'	Total/NA	Solid	8015NM Prep	
MB 880-132723/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-132723/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-132723/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

GC Semi VOA

Prep Batch: 132724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43811-4	TP02 0'	Total/NA	Solid	8015NM Prep	
885-43811-5	TP02 2'	Total/NA	Solid	8015NM Prep	
885-43811-6	TP02 2.5'	Total/NA	Solid	8015NM Prep	
885-43811-7	TP03 0'	Total/NA	Solid	8015NM Prep	
885-43811-8	TP03 2'	Total/NA	Solid	8015NM Prep	
885-43811-9	TP04 0'	Total/NA	Solid	8015NM Prep	
MB 880-132724/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-132724/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-132724/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
885-43811-4 MS	TP02 0'	Total/NA	Solid	8015NM Prep	
885-43811-4 MSD	TP02 0'	Total/NA	Solid	8015NM Prep	

Prep Batch: 132746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43811-10	TP04 2'	Total/NA	Solid	8015NM Prep	
885-43811-11	TP04 2.5'	Total/NA	Solid	8015NM Prep	
885-43811-12	TP05 0'	Total/NA	Solid	8015NM Prep	
885-43811-13	TP05 2'	Total/NA	Solid	8015NM Prep	
885-43811-14	TP05 2.5'	Total/NA	Solid	8015NM Prep	
885-43811-15	TP06 0'	Total/NA	Solid	8015NM Prep	
885-43811-16	TP06 2'	Total/NA	Solid	8015NM Prep	
885-43811-17	BH01 0'	Total/NA	Solid	8015NM Prep	
885-43811-18	BH01 2'	Total/NA	Solid	8015NM Prep	
885-43811-19	BH01 3.5'	Total/NA	Solid	8015NM Prep	
885-43811-20	BH02 0'	Total/NA	Solid	8015NM Prep	
885-43811-21	BH02 2'	Total/NA	Solid	8015NM Prep	
885-43811-22	BH02 4'	Total/NA	Solid	8015NM Prep	
MB 880-132746/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-132746/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-132746/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 132798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43811-1	TP01 0'	Total/NA	Solid	8015B NM	132723
885-43811-2	TP01 2'	Total/NA	Solid	8015B NM	132723
885-43811-3	TP01 3'	Total/NA	Solid	8015B NM	132723
MB 880-132723/1-A	Method Blank	Total/NA	Solid	8015B NM	132723
LCS 880-132723/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	132723
LCSD 880-132723/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	132723

Analysis Batch: 132929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43811-10	TP04 2'	Total/NA	Solid	8015B NM	132746
885-43811-11	TP04 2.5'	Total/NA	Solid	8015B NM	132746
885-43811-12	TP05 0'	Total/NA	Solid	8015B NM	132746
885-43811-13	TP05 2'	Total/NA	Solid	8015B NM	132746
885-43811-14	TP05 2.5'	Total/NA	Solid	8015B NM	132746
885-43811-15	TP06 0'	Total/NA	Solid	8015B NM	132746
885-43811-16	TP06 2'	Total/NA	Solid	8015B NM	132746
885-43811-17	BH01 0'	Total/NA	Solid	8015B NM	132746
885-43811-18	BH01 2'	Total/NA	Solid	8015B NM	132746

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QC Association Summary

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

GC Semi VOA (Continued)

Analysis Batch: 132929 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43811-19	BH01 3.5'	Total/NA	Solid	8015B NM	132746
885-43811-20	BH02 0'	Total/NA	Solid	8015B NM	132746
885-43811-21	BH02 2'	Total/NA	Solid	8015B NM	132746
885-43811-22	BH02 4'	Total/NA	Solid	8015B NM	132746
MB 880-132746/1-A	Method Blank	Total/NA	Solid	8015B NM	132746
LCS 880-132746/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	132746
LCSD 880-132746/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	132746

Analysis Batch: 132933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43811-4	TP02 0'	Total/NA	Solid	8015B NM	132724
885-43811-5	TP02 2'	Total/NA	Solid	8015B NM	132724
885-43811-6	TP02 2.5'	Total/NA	Solid	8015B NM	132724
885-43811-7	TP03 0'	Total/NA	Solid	8015B NM	132724
885-43811-8	TP03 2'	Total/NA	Solid	8015B NM	132724
885-43811-9	TP04 0'	Total/NA	Solid	8015B NM	132724
MB 880-132724/1-A	Method Blank	Total/NA	Solid	8015B NM	132724
LCS 880-132724/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	132724
LCSD 880-132724/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	132724
885-43811-4 MS	TP02 0'	Total/NA	Solid	8015B NM	132724
885-43811-4 MSD	TP02 0'	Total/NA	Solid	8015B NM	132724

HPLC/IC

Leach Batch: 132891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43811-1	TP01 0'	Soluble	Solid	DI Leach	
885-43811-2	TP01 2'	Soluble	Solid	DI Leach	
885-43811-3	TP01 3'	Soluble	Solid	DI Leach	
885-43811-4	TP02 0'	Soluble	Solid	DI Leach	
885-43811-5	TP02 2'	Soluble	Solid	DI Leach	
885-43811-6	TP02 2.5'	Soluble	Solid	DI Leach	
885-43811-7	TP03 0'	Soluble	Solid	DI Leach	
885-43811-8	TP03 2'	Soluble	Solid	DI Leach	
885-43811-9	TP04 0'	Soluble	Solid	DI Leach	
885-43811-10	TP04 2'	Soluble	Solid	DI Leach	
885-43811-11	TP04 2.5'	Soluble	Solid	DI Leach	
885-43811-12	TP05 0'	Soluble	Solid	DI Leach	
MB 880-132891/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-132891/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-132891/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
885-43811-3 MS	TP01 3'	Soluble	Solid	DI Leach	
885-43811-3 MSD	TP01 3'	Soluble	Solid	DI Leach	

Leach Batch: 132893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43811-13	TP05 2'	Soluble	Solid	DI Leach	
885-43811-14	TP05 2.5'	Soluble	Solid	DI Leach	
885-43811-15	TP06 0'	Soluble	Solid	DI Leach	
885-43811-16	TP06 2'	Soluble	Solid	DI Leach	
885-43811-17	BH01 0'	Soluble	Solid	DI Leach	

Eurofins Albuquerque

QC Association Summary

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

HPLC/IC (Continued)

Leach Batch: 132893 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43811-18	BH01 2'	Soluble	Solid	DI Leach	
885-43811-19	BH01 3.5'	Soluble	Solid	DI Leach	
885-43811-20	BH02 0'	Soluble	Solid	DI Leach	
885-43811-21	BH02 2'	Soluble	Solid	DI Leach	
885-43811-22	BH02 4'	Soluble	Solid	DI Leach	
MB 880-132893/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-132893/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-132893/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
885-43811-13 MS	TP05 2'	Soluble	Solid	DI Leach	
885-43811-13 MSD	TP05 2'	Soluble	Solid	DI Leach	

Analysis Batch: 132939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43811-1	TP01 0'	Soluble	Solid	300.0	132891
885-43811-2	TP01 2'	Soluble	Solid	300.0	132891
885-43811-3	TP01 3'	Soluble	Solid	300.0	132891
885-43811-4	TP02 0'	Soluble	Solid	300.0	132891
885-43811-5	TP02 2'	Soluble	Solid	300.0	132891
885-43811-6	TP02 2.5'	Soluble	Solid	300.0	132891
885-43811-7	TP03 0'	Soluble	Solid	300.0	132891
885-43811-8	TP03 2'	Soluble	Solid	300.0	132891
885-43811-9	TP04 0'	Soluble	Solid	300.0	132891
885-43811-10	TP04 2'	Soluble	Solid	300.0	132891
885-43811-11	TP04 2.5'	Soluble	Solid	300.0	132891
885-43811-12	TP05 0'	Soluble	Solid	300.0	132891
MB 880-132891/1-A	Method Blank	Soluble	Solid	300.0	132891
LCS 880-132891/2-A	Lab Control Sample	Soluble	Solid	300.0	132891
LCSD 880-132891/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	132891
885-43811-3 MS	TP01 3'	Soluble	Solid	300.0	132891
885-43811-3 MSD	TP01 3'	Soluble	Solid	300.0	132891

Analysis Batch: 132949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-43811-13	TP05 2'	Soluble	Solid	300.0	132893
885-43811-14	TP05 2.5'	Soluble	Solid	300.0	132893
885-43811-15	TP06 0'	Soluble	Solid	300.0	132893
885-43811-16	TP06 2'	Soluble	Solid	300.0	132893
885-43811-17	BH01 0'	Soluble	Solid	300.0	132893
885-43811-18	BH01 2'	Soluble	Solid	300.0	132893
885-43811-19	BH01 3.5'	Soluble	Solid	300.0	132893
885-43811-20	BH02 0'	Soluble	Solid	300.0	132893
885-43811-21	BH02 2'	Soluble	Solid	300.0	132893
885-43811-22	BH02 4'	Soluble	Solid	300.0	132893
MB 880-132893/1-A	Method Blank	Soluble	Solid	300.0	132893
LCS 880-132893/2-A	Lab Control Sample	Soluble	Solid	300.0	132893
LCSD 880-132893/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	132893
885-43811-13 MS	TP05 2'	Soluble	Solid	300.0	132893
885-43811-13 MSD	TP05 2'	Soluble	Solid	300.0	132893

Eurofins Albuquerque

Lab Chronicle

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: TP01 0'

Lab Sample ID: 885-43811-1

Date Collected: 02/18/26 09:36

Matrix: Solid

Date Received: 02/20/26 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			132881	MNR	EET MID	02/24/26 15:51
Total/NA	Analysis	8021B		1	132910	MNR	EET MID	02/25/26 16:56
Total/NA	Prep	8015NM Prep			132723	EL	EET MID	02/23/26 13:24
Total/NA	Analysis	8015B NM		1	132798	FC	EET MID	02/24/26 23:16
Soluble	Leach	DI Leach			132891	SA	EET MID	02/24/26 16:19
Soluble	Analysis	300.0		5	132939	CS	EET MID	02/25/26 14:27

Client Sample ID: TP01 2'

Lab Sample ID: 885-43811-2

Date Collected: 02/18/26 09:40

Matrix: Solid

Date Received: 02/20/26 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			132881	MNR	EET MID	02/24/26 15:51
Total/NA	Analysis	8021B		1	132910	MNR	EET MID	02/25/26 17:16
Total/NA	Prep	8015NM Prep			132723	EL	EET MID	02/23/26 13:24
Total/NA	Analysis	8015B NM		1	132798	FC	EET MID	02/24/26 23:29
Soluble	Leach	DI Leach			132891	SA	EET MID	02/24/26 16:19
Soluble	Analysis	300.0		10	132939	CS	EET MID	02/25/26 14:34

Client Sample ID: TP01 3'

Lab Sample ID: 885-43811-3

Date Collected: 02/18/26 09:53

Matrix: Solid

Date Received: 02/20/26 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			132881	MNR	EET MID	02/24/26 15:51
Total/NA	Analysis	8021B		1	132910	MNR	EET MID	02/25/26 17:37
Total/NA	Prep	8015NM Prep			132723	EL	EET MID	02/23/26 13:24
Total/NA	Analysis	8015B NM		1	132798	FC	EET MID	02/24/26 23:43
Soluble	Leach	DI Leach			132891	SA	EET MID	02/24/26 16:19
Soluble	Analysis	300.0		5	132939	CS	EET MID	02/25/26 14:40

Client Sample ID: TP02 0'

Lab Sample ID: 885-43811-4

Date Collected: 02/18/26 09:55

Matrix: Solid

Date Received: 02/20/26 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			132881	MNR	EET MID	02/24/26 15:51
Total/NA	Analysis	8021B		1	132910	MNR	EET MID	02/25/26 17:57
Total/NA	Prep	8015NM Prep			132724	EL	EET MID	02/23/26 13:27
Total/NA	Analysis	8015B NM		1	132933	FC	EET MID	02/25/26 10:38
Soluble	Leach	DI Leach			132891	SA	EET MID	02/24/26 16:19
Soluble	Analysis	300.0		10	132939	CS	EET MID	02/25/26 15:00

Lab Chronicle

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: TP02 2'

Lab Sample ID: 885-43811-5

Date Collected: 02/18/26 09:59

Matrix: Solid

Date Received: 02/20/26 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			132881	MNR	EET MID	02/24/26 15:51
Total/NA	Analysis	8021B		1	132910	MNR	EET MID	02/25/26 18:18
Total/NA	Prep	8015NM Prep			132724	EL	EET MID	02/23/26 13:27
Total/NA	Analysis	8015B NM		1	132933	FC	EET MID	02/25/26 15:24
Soluble	Leach	DI Leach			132891	SA	EET MID	02/24/26 16:19
Soluble	Analysis	300.0		1	132939	CS	EET MID	02/25/26 15:07

Client Sample ID: TP02 2.5'

Lab Sample ID: 885-43811-6

Date Collected: 02/18/26 10:04

Matrix: Solid

Date Received: 02/20/26 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			132881	MNR	EET MID	02/24/26 15:51
Total/NA	Analysis	8021B		1	132910	MNR	EET MID	02/25/26 18:38
Total/NA	Prep	8015NM Prep			132724	EL	EET MID	02/23/26 13:27
Total/NA	Analysis	8015B NM		1	132933	FC	EET MID	02/25/26 15:39
Soluble	Leach	DI Leach			132891	SA	EET MID	02/24/26 16:19
Soluble	Analysis	300.0		1	132939	CS	EET MID	02/25/26 15:27

Client Sample ID: TP03 0'

Lab Sample ID: 885-43811-7

Date Collected: 02/18/26 11:00

Matrix: Solid

Date Received: 02/20/26 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			132881	MNR	EET MID	02/24/26 15:51
Total/NA	Analysis	8021B		1	132910	MNR	EET MID	02/25/26 18:59
Total/NA	Prep	8015NM Prep			132724	EL	EET MID	02/23/26 13:27
Total/NA	Analysis	8015B NM		1	132933	FC	EET MID	02/25/26 15:55
Soluble	Leach	DI Leach			132891	SA	EET MID	02/24/26 16:19
Soluble	Analysis	300.0		1	132939	CS	EET MID	02/25/26 15:34

Client Sample ID: TP03 2'

Lab Sample ID: 885-43811-8

Date Collected: 02/18/26 11:10

Matrix: Solid

Date Received: 02/20/26 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			132881	MNR	EET MID	02/24/26 15:51
Total/NA	Analysis	8021B		1	132910	MNR	EET MID	02/25/26 19:19
Total/NA	Prep	8015NM Prep			132724	EL	EET MID	02/23/26 13:27
Total/NA	Analysis	8015B NM		1	132933	FC	EET MID	02/25/26 16:10
Soluble	Leach	DI Leach			132891	SA	EET MID	02/24/26 16:19
Soluble	Analysis	300.0		1	132939	CS	EET MID	02/25/26 15:41

Eurofins Albuquerque

Lab Chronicle

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: TP04 0'

Lab Sample ID: 885-43811-9

Date Collected: 02/18/26 11:30

Matrix: Solid

Date Received: 02/20/26 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			132881	MNR	EET MID	02/24/26 15:51
Total/NA	Analysis	8021B		1	132910	MNR	EET MID	02/25/26 19:40
Total/NA	Prep	8015NM Prep			132724	EL	EET MID	02/23/26 13:27
Total/NA	Analysis	8015B NM		1	132933	FC	EET MID	02/25/26 16:25
Soluble	Leach	DI Leach			132891	SA	EET MID	02/24/26 16:19
Soluble	Analysis	300.0		1	132939	CS	EET MID	02/25/26 15:47

Client Sample ID: TP04 2'

Lab Sample ID: 885-43811-10

Date Collected: 02/18/26 11:33

Matrix: Solid

Date Received: 02/20/26 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			132881	MNR	EET MID	02/24/26 15:51
Total/NA	Analysis	8021B		1	132910	MNR	EET MID	02/25/26 20:00
Total/NA	Prep	8015NM Prep			132746	EL	EET MID	02/23/26 16:09
Total/NA	Analysis	8015B NM		1	132929	FC	EET MID	02/25/26 12:11
Soluble	Leach	DI Leach			132891	SA	EET MID	02/24/26 16:19
Soluble	Analysis	300.0		1	132939	CS	EET MID	02/25/26 15:54

Client Sample ID: TP04 2.5'

Lab Sample ID: 885-43811-11

Date Collected: 02/18/26 11:37

Matrix: Solid

Date Received: 02/20/26 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			132880	MNR	EET MID	02/24/26 15:49
Total/NA	Analysis	8021B		1	132912	MNR	EET MID	02/25/26 17:27
Total/NA	Prep	8015NM Prep			132746	EL	EET MID	02/23/26 16:09
Total/NA	Analysis	8015B NM		1	132929	FC	EET MID	02/25/26 12:25
Soluble	Leach	DI Leach			132891	SA	EET MID	02/24/26 16:19
Soluble	Analysis	300.0		1	132939	CS	EET MID	02/25/26 16:01

Client Sample ID: TP05 0'

Lab Sample ID: 885-43811-12

Date Collected: 02/18/26 11:41

Matrix: Solid

Date Received: 02/20/26 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			132880	MNR	EET MID	02/24/26 15:49
Total/NA	Analysis	8021B		1	132912	MNR	EET MID	02/25/26 17:47
Total/NA	Prep	8015NM Prep			132746	EL	EET MID	02/23/26 16:09
Total/NA	Analysis	8015B NM		1	132929	FC	EET MID	02/25/26 12:39
Soluble	Leach	DI Leach			132891	SA	EET MID	02/24/26 16:19
Soluble	Analysis	300.0		1	132939	CS	EET MID	02/25/26 16:07

Eurofins Albuquerque

Lab Chronicle

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: TP05 2'

Lab Sample ID: 885-43811-13

Date Collected: 02/18/26 11:44

Matrix: Solid

Date Received: 02/20/26 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			132880	MNR	EET MID	02/24/26 15:49
Total/NA	Analysis	8021B		1	132912	MNR	EET MID	02/25/26 18:08
Total/NA	Prep	8015NM Prep			132746	EL	EET MID	02/23/26 16:09
Total/NA	Analysis	8015B NM		1	132929	FC	EET MID	02/25/26 13:07
Soluble	Leach	DI Leach			132893	SA	EET MID	02/24/26 16:21
Soluble	Analysis	300.0		1	132949	CS	EET MID	02/25/26 15:59

Client Sample ID: TP05 2.5'

Lab Sample ID: 885-43811-14

Date Collected: 02/18/26 11:47

Matrix: Solid

Date Received: 02/20/26 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			132880	MNR	EET MID	02/24/26 15:49
Total/NA	Analysis	8021B		1	132912	MNR	EET MID	02/25/26 18:28
Total/NA	Prep	8015NM Prep			132746	EL	EET MID	02/23/26 16:09
Total/NA	Analysis	8015B NM		1	132929	FC	EET MID	02/25/26 13:22
Soluble	Leach	DI Leach			132893	SA	EET MID	02/24/26 16:21
Soluble	Analysis	300.0		1	132949	CS	EET MID	02/25/26 16:16

Client Sample ID: TP06 0'

Lab Sample ID: 885-43811-15

Date Collected: 02/18/26 11:49

Matrix: Solid

Date Received: 02/20/26 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			132880	MNR	EET MID	02/24/26 15:49
Total/NA	Analysis	8021B		1	132912	MNR	EET MID	02/25/26 18:49
Total/NA	Prep	8015NM Prep			132746	EL	EET MID	02/23/26 16:09
Total/NA	Analysis	8015B NM		1	132929	FC	EET MID	02/25/26 13:36
Soluble	Leach	DI Leach			132893	SA	EET MID	02/24/26 16:21
Soluble	Analysis	300.0		1	132949	CS	EET MID	02/25/26 16:21

Client Sample ID: TP06 2'

Lab Sample ID: 885-43811-16

Date Collected: 02/18/26 11:53

Matrix: Solid

Date Received: 02/20/26 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			132880	MNR	EET MID	02/24/26 15:49
Total/NA	Analysis	8021B		1	132912	MNR	EET MID	02/25/26 19:09
Total/NA	Prep	8015NM Prep			132746	EL	EET MID	02/23/26 16:09
Total/NA	Analysis	8015B NM		1	132929	FC	EET MID	02/25/26 13:50
Soluble	Leach	DI Leach			132893	SA	EET MID	02/24/26 16:21
Soluble	Analysis	300.0		1	132949	CS	EET MID	02/25/26 16:27

Eurofins Albuquerque

Lab Chronicle

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: BH01 0'

Lab Sample ID: 885-43811-17

Date Collected: 02/18/26 13:20

Matrix: Solid

Date Received: 02/20/26 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			132880	MNR	EET MID	02/24/26 15:49
Total/NA	Analysis	8021B		1	132912	MNR	EET MID	02/25/26 19:30
Total/NA	Prep	8015NM Prep			132746	EL	EET MID	02/23/26 16:09
Total/NA	Analysis	8015B NM		1	132929	FC	EET MID	02/25/26 14:04
Soluble	Leach	DI Leach			132893	SA	EET MID	02/24/26 16:21
Soluble	Analysis	300.0		1	132949	CS	EET MID	02/25/26 16:33

Client Sample ID: BH01 2'

Lab Sample ID: 885-43811-18

Date Collected: 02/18/26 13:25

Matrix: Solid

Date Received: 02/20/26 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			132880	MNR	EET MID	02/24/26 15:49
Total/NA	Analysis	8021B		1	132912	MNR	EET MID	02/25/26 19:50
Total/NA	Prep	8015NM Prep			132746	EL	EET MID	02/23/26 16:09
Total/NA	Analysis	8015B NM		1	132929	FC	EET MID	02/25/26 14:18
Soluble	Leach	DI Leach			132893	SA	EET MID	02/24/26 16:21
Soluble	Analysis	300.0		1	132949	CS	EET MID	02/25/26 16:50

Client Sample ID: BH01 3.5'

Lab Sample ID: 885-43811-19

Date Collected: 02/18/26 13:32

Matrix: Solid

Date Received: 02/20/26 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			132880	MNR	EET MID	02/24/26 15:49
Total/NA	Analysis	8021B		1	132912	MNR	EET MID	02/25/26 20:11
Total/NA	Prep	8015NM Prep			132746	EL	EET MID	02/23/26 16:09
Total/NA	Analysis	8015B NM		1	132929	FC	EET MID	02/25/26 14:32
Soluble	Leach	DI Leach			132893	SA	EET MID	02/24/26 16:21
Soluble	Analysis	300.0		1	132949	CS	EET MID	02/25/26 16:55

Client Sample ID: BH02 0'

Lab Sample ID: 885-43811-20

Date Collected: 02/18/26 13:40

Matrix: Solid

Date Received: 02/20/26 10:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			132880	MNR	EET MID	02/24/26 15:49
Total/NA	Analysis	8021B		1	132912	MNR	EET MID	02/25/26 20:31
Total/NA	Prep	8015NM Prep			132746	EL	EET MID	02/23/26 16:09
Total/NA	Analysis	8015B NM		1	132929	FC	EET MID	02/25/26 14:47
Soluble	Leach	DI Leach			132893	SA	EET MID	02/24/26 16:21
Soluble	Analysis	300.0		5	132949	CS	EET MID	02/25/26 17:01

Lab Chronicle

Client: Devon Energy Corporation
 Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Client Sample ID: BH02 2'

Date Collected: 02/18/26 13:45

Date Received: 02/20/26 10:23

Lab Sample ID: 885-43811-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			132878	MNR	EET MID	02/24/26 15:47
Total/NA	Analysis	8021B		1	132913	MNR	EET MID	02/25/26 15:35
Total/NA	Prep	8015NM Prep			132746	EL	EET MID	02/23/26 16:09
Total/NA	Analysis	8015B NM		1	132929	FC	EET MID	02/25/26 15:01
Soluble	Leach	DI Leach			132893	SA	EET MID	02/24/26 16:21
Soluble	Analysis	300.0		1	132949	CS	EET MID	02/25/26 17:07

Client Sample ID: BH02 4'

Date Collected: 02/18/26 13:48

Date Received: 02/20/26 10:23

Lab Sample ID: 885-43811-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030B			132938	MNR	EET MID	02/25/26 10:01
Total/NA	Analysis	8021B		1	132911	MNR	EET MID	02/25/26 16:52
Total/NA	Prep	8015NM Prep			132746	EL	EET MID	02/23/26 16:09
Total/NA	Analysis	8015B NM		1	132929	FC	EET MID	02/25/26 15:15
Soluble	Leach	DI Leach			132893	SA	EET MID	02/24/26 16:21
Soluble	Analysis	300.0		1	132949	CS	EET MID	02/25/26 17:12

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Devon Energy Corporation
Project/Site: Hognose Viper 23 CTB1

Job ID: 885-43811-1

Laboratory: Eurofins Midland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

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* Direct Bill

Chain-of-Custody Record

Client Duron Energy
 Mailing Address Jim Bailey

Phone # _____
 email or Fax# _____
 QA/QC Package Standard Level 4 (Full Validation)
 Accreditation Az Compliance Other
 NELAC Other
 EDD (Type) _____

Turn-Around Time. Standard Rush DLW
 Project Name: Hognose Viper 23CIB1
 Project # 2607-100 26
 Project Manager Will Harmon / Monica Peppin
 Sampler: MSP
 On Ice: Yes No

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
9/18	9:36	Soil	TP01 0'	500 402	ice	
	9:46		2'			
	9:53		3'			
	9:55		TP02 0'			
	9:59		2'			
	10:04		2.5'			
	11:00		TP03 0'			
	11:10		2'			
	11:30		TP04 0'			
	11:33		2'			
	11:37		2.5'			
	11:41		TP05 0'			

Relinquished by [Signature] Date 6/26/2026 Time 10:25
 Relinquished by [Signature] Date 6/26/2026 Time 10:25

Pg 1 of 2

HALL ENVIRONMENTAL ANALYSIS LABORATORY
 www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel 505-345-3975 Fax 505-345-4107

Analysis Request	
<input checked="" type="checkbox"/> BTEX / MTBE / TMS (8021)	
<input checked="" type="checkbox"/> TPH 8015D (GRO / DRO / MRO)	
8081 Pesticides/8082 PCB's	
EDB (Method 504 1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
<input checked="" type="checkbox"/> Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	

Remarks WLO # 20034771
cc: M. Peppin final report
Direct bill DLW

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

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* Direct Bill

Chain-of-Custody Record

Client: Dillon Gargy
 Mailing Address: J. M. Bailey
 Project Name: Hognose Viper 23 CTB 1
 Project #: 2607-10026
 Turn-Around Time: 5 Day
 Standard Rush

QA/QC Package: Standard Level 4 (Full Validation)
 Accreditation: Az Compliance Other
 On Ice: Yes No
 Sampler: MSP
 Project Manager: Will Harmon / Monica Peppin

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No
2/18	11:44	Soil	TP05 2'	4oz	Ice	
	11:47		2.5'			
	11:49		TP06 0'			
	11:53		2'			
	1:20		BH01 0'			
	1:25		2'			
	1:32		3.5'			
	1:40		BH02 0'			
	1:45		2'			
	1:48		4'			

Relinquished by: [Signature]
 Date: 2/18/26 Time: 10:33
 Received by: [Signature]
 Date: 2/26/26 Time: 10:33

Pg 2 of 2

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel 505-345-3975 Fax 505-345-4107

Analysis Request

Analysis Request	Remarks
<input checked="" type="checkbox"/> BTEX / MTBE / TMBs (8021)	
<input checked="" type="checkbox"/> TPH 8015D (GRO / DRO / MRO)	
8081 Pesticides/8082 PCBs	
EDB (Method 504 1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
<input checked="" type="checkbox"/> Cl ⁻ , F ⁻ , Br ⁻ , NO ₃ ⁻ , NO ₂ ⁻ , PO ₄ ³⁻ , SO ₄ ²⁻	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	

WLO #: 20034471
 CC: M. Peppin Final Report
 Direct bill Devon

If necessary samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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* Direct Bill

Chain-of-Custody Record

Client: Duon Energy

Mailing Address: Jim Paley

Phone #:

email or Fax#:

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other

EDD (Type)

Turn-Around Time:

Standard Rush 5 PM

Project Name:

Hognose Viper 23 QRB 1

Project #:

2607-100 av

Project Manager:

Will Harmon / Monica Rippin

Sampler: MSP

On Ice: Yes No

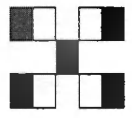
of Coolers:

Cooler Temp (including CF): 17.5 °C (°C)

Container Type and # 4oz Preservative Type ice HEAL No.

Date	Time	Matrix	Sample Name	Depth	Container Type and #	Preservative Type	HEAL No.
2/18	9:30	Soil	TP01	0'			
	9:40			2'			
	9:53			3'			
	9:55		TP02	0'			
	9:59			2'			
	10:04			2.5'			
	11:00		TP03	0'			
	11:10			2'			
	11:30		TP04	0'			
	11:33			2'			
	11:37			2.5'			
	11:41		TP05	0'			
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time	
2/18/20	19:00	<u>Murphy</u>	<u>Murphy</u>		2/26/26	10:33	

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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pg 1 of 2

Analysis Request

<input checked="" type="checkbox"/> BTEX/ MTBE / TMB's (8021)
<input checked="" type="checkbox"/> TPH:8015D(GRO / DRO / MRO)
<input checked="" type="checkbox"/> 8081 Pesticides/8082 PCB's
<input checked="" type="checkbox"/> EDB (Method 504.1)
<input checked="" type="checkbox"/> PAHs by 8310 or 8270SIMS
<input checked="" type="checkbox"/> RCRA 8 Metals
<input checked="" type="checkbox"/> Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄
<input checked="" type="checkbox"/> 8260 (VOA)
<input checked="" type="checkbox"/> 8270 (Semi-VOA)
<input checked="" type="checkbox"/> Total Coliform (Present/Absent)



885-43811 Chain of Custody

Remarks: NO #1 2034471
CC: M. Rippin final report
Direct bill Duon

* * Direct Bill

Chain-of-Custody Record

Client: Dunton Energy
 Mailing Address: Jim Paley

Phone #:

email or Fax#:

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: AZ Compliance

NELAC Other

EDD (Type)

Turn-Around Time: 5 Day
 Standard Rush
 Project Name: Hognose Viper 23 CR 1
 Project #: 2607-10826

Project Manager: Will Harmon / Monica Peppin

Sampler: MSP

On Ice: Yes No


of Coolers: 1

Cooler Temp (including CF): 17.5 (°C)

Container Type and # 4oz Ice Preservative Type Ice HEAL No.

Date	Time	Matrix	Sample Name	Depth		
2/18	11:44	Soil	TP05	2'		
	11:47		TP06	2.5'		
	11:49		TP06	0'		
	11:53		TP06	2'		
	11:20		BH01	0'		
	11:25		BH01	2'		
	11:32		BH02	3.5'		
	11:40		BH02	0'		
	11:45		BH02	2'		
	11:48		BH02	4'		
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
2/18/26	11:00	<u>[Signature]</u>	<u>[Signature]</u>		2/26/26	10:03

Pg 2 of 2



HALL ENVIRONMENTAL ANALYSIS LABORATORY
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 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

<input checked="" type="checkbox"/>	BTEX / MTBE / TMB's (8021)
<input checked="" type="checkbox"/>	TPH:8015D(GRO / DRO / MRO)
<input type="checkbox"/>	8081 Pesticides/8082 PCB's
<input type="checkbox"/>	EDB (Method 504.1)
<input type="checkbox"/>	PAHs by 8310 or 8270SIMS
<input type="checkbox"/>	RCRA 8 Metals
<input checked="" type="checkbox"/>	Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄
<input type="checkbox"/>	8260 (VOA)
<input type="checkbox"/>	8270 (Semi-VOA)
<input type="checkbox"/>	Total Coliform (Present/Absent)

Remarks: WFO #: 22034471
CC: M. Peppin Final Report
Direct Bill Dunton

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Pg 1 of 2

Chain-of-Custody Record

Client: Devon Energy

Jim Bailey

Mailing Address:

Phone #:

email or Fax#:

QAVQC Package:

Standard Level 4 (Full Validation)

Accreditation: AZ Compliance

NELAC Other

EDD (Type)

Turn-Around Time:

Standard Rush

Project Name:

Hognose Viper 23 CIB 1

Project #:

2607-100 26

Project Manager:

Will Harmon / Monica Peppin

Sampler: MTP

On Ice: Yes No

of Coolers:

Cooler Temp (including CP): 17.5 °C

Container Type and #

402

Preservative Type

ice

HEAL No.

Date Time Matrix Sample Name

2/18 9:36 Soil TP01 0'

9:40 2'

9:53 3'

9:55 TP02 0'

9:59 2'

10:04 2.5'

11:00 TP03 0'

11:10 2'

11:30 TP04 0'

11:33 2'

11:57 2.5'

11:41 TP05 0'

Date Time Relinquished by:

2/19/2006 1900

Relinquished by:

Jim Bailey

Date Time Relinquished by:

2/26/2026

Relinquished by:

Will Harmon

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl⁻, Br⁻, NO₃⁻, NO₂⁻, PO₄⁻, SO₄⁻

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)



885-43811 Chain of Custody

Remarks:

WFO # 22034771

CC: M. Peppin final report

Direct bill Devon

Received by: Via: Date Time

Will Harmon 2/20/26 1023

Received by: Via: Date Time

Eric Dyer 2/23/26 800



Pg 2 of 2

Chain-of-Custody Record

Client: Oliver Farley
 Mailing Address: Jim Bailey

Turn-Around Time: 5 Day
 Standard Rush
 Project Name: Hognose Viper 23 CTB 1
 Project #: 2607-10026

Phone #: _____
 email or Fax#: _____
 QA/QC Package: Standard Level 4 (Full Validation)
 Accreditation: Az Compliance Other
 NELAC Other
 EDD (Type) _____

Project Manager: Will Harmon / Monica Peppin
 Sampler: MSP
 On Ice: Yes No
 # of Coolers: 1
 Cooler Temp (including cp): 7.5 (°C)



HALL ENVIRONMENTAL ANALYSIS LABORATORY
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 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

<input checked="" type="checkbox"/> BTEX / MTBE / TMB's (8021)	<input checked="" type="checkbox"/>
TPH:8015D(GRO / DRO / MRO)	<input checked="" type="checkbox"/>
8081 Pesticides/8082 PCB's	<input type="checkbox"/>
EDB (Method 504.1)	<input type="checkbox"/>
PAHs by 8310 or 8270SIMS	<input type="checkbox"/>
RCRA 8 Metals	<input checked="" type="checkbox"/>
Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	<input checked="" type="checkbox"/>
8260 (VOA)	<input type="checkbox"/>
8270 (Semi-VOA)	<input type="checkbox"/>
Total Coliform (Present/Absent)	<input type="checkbox"/>

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
2/18	11:44	Soil	TP05 2'	4oz	Ice	
	11:47		2.5'			
	11:49		TP06 0'			
	11:53		2'			
	1:20		BH01 0'			
	1:25		2'			
	1:32		3.5'			
	1:40		BH02 0'			
	1:45		2'			
	1:48		4'			

Date: _____ Time: _____ Relinquished by: [Signature]
 Date: 2/26/2026 Time: 1:00 Relinquished by: [Signature]
 Received by: [Signature] Date: 2/26/2026 Time: 10:03
 Received by: [Signature] Date: 2/23/2026 Time: 8:00

Remarks:
WLO #: 20034471
CC: M. Peppin Final Report
Direct bill Devon

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Login Sample Receipt Checklist

Client: Devon Energy Corporation

Job Number: 885-43811-1

Login Number: 43811

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	



Login Sample Receipt Checklist

Client: Devon Energy Corporation

Job Number: 885-43811-1

Login Number: 43811

List Number: 2

Creator: Dyal, Erica

List Source: Eurofins Midland

List Creation: 02/23/26 09:22 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



APPENDIX F

CORRESPONDENCE

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 539784

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 539784
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	HOGNOSE VIPER 23 CTB 1
Date Release Discovered	01/04/2026
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pump Produced Water Released: 2,783 BBL Recovered: 2,770 BBL Lost: 13 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Failure of piping on transfer pump. Majority of fluids contained, 13 bbls oversprayed containment wall.

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Phone: (505) 476-3441

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Phone: (505) 629-6116

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

QUESTIONS, Page 2

Action 539784

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 539784
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

Initial Response

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

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

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

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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**

ACKNOWLEDGMENTS

Action 539784

ACKNOWLEDGMENTS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 539784
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that 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.
<input checked="" type="checkbox"/>	I acknowledge the fact that, 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.

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

CONDITIONS

Action 539784

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 539784
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jraley	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	1/5/2026

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

General Information
Phone: (505) 629-6116

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

QUESTIONS

Action 593576

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 593576
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2600520327
Incident Name	NAPP2600520327 HOGNOSE VIPER 23 CTB 1 @ FAPP2527329875
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Facility	[fAPP2527329875] HOGNOSE VIPER 23 CTB 1

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	HOGNOSE VIPER 23 CTB 1
Date Release Discovered	01/04/2026
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Refinery Produced Water Released: 1,098 BBL Recovered: 1,084 BBL Lost: 14 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Failure of piping on transfer pump. Majority of fluids contained, 13 bbls oversprayed containment wall.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 593576

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 593576
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<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@dvn.com Date: 06/09/2026
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Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 593576

QUESTIONS (continued)

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QUESTIONS

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (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)	4800
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	05/11/2026
On what date will (or did) the final sampling or liner inspection occur	05/11/2026
On what date will (or was) the remediation complete(d)	05/11/2026
What is the estimated surface area (in square feet) that will be reclaimed	4720
What is the estimated volume (in cubic yards) that will be reclaimed	200
What is the estimated surface area (in square feet) that will be remediated	4720
What is the estimated volume (in cubic yards) that will be remediated	200

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 593576

QUESTIONS (continued)

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	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)

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

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

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 06/09/2026
--	--

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 593576

QUESTIONS (continued)

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	Action Number: 593576
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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Action 593576

QUESTIONS (continued)

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	Action Number: 593576
	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	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 593576

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 593576
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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 ft. A liner inspection report will need to be completed. The work will need to occur in 90 days after the work plan has been reviewed.	6/12/2026