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December 17, 2024

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

Re: Site Characterization and Remediation Work Plan
Devon Energy Production Company
Hackberry Trunk Line 1700 FT SW of Mimosa 24 Fed 1
Unit H, Section 23, Township 19S, Range 31E
Site Coordinates: 32.647379, -103.833283
Eddy County, New Mexico
Incident ID: nAPP2427861348

Introduction

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this Site Characterization and Remediation Work Plan for submittal to the New Mexico Oil Conservation Division (NMCOD) District 2 Office in Artesia, New Mexico to document site assessment, remedial action activities, and sample analysis results for the release number: nAPP2427861348– Hackberry Trunk Line 1700 FT SW of Mimosa 24 Fed 1 (Site). The Site is in Unit Letter H, Section 23, of Township 19 South and Range 31 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.647379° N latitude and 103.833283° W longitude. The site location with respect to the nearest town is shown on Figure 1 and the topography of the area is shown on Figure 2.

Background

Based on the Release Notification C-141 Form, the release was discovered on October 2, 2024, and was due to an equipment failure. Upon discovery, the Site was shut-in and repairs ensued. The spill resulted in a release of approximately seven (7) barrels (bbls) of produced water of which four (4) bbls were recovered for an approximate net loss of three (3) bbls of produced water. The release area is shown on Figure 3.

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Groundwater and Site Characterization

Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water wells within a 1/2-mile radius of the Site. No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or distance from the Site. According to the Karst Potential Map, the Site is located within a Low Karst area. The Site characterization documentation (Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) are attached to the report.

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

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (ft)
Low Karst	unknown

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

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	GRO+DRO	BTEX	Benzene
19.15.23.12 Remediation and Closure Criteria for Soils Impacted by a Release	600 mg/kg	---	100 mg/kg	50 mg/kg	10 mg/kg
Notes: --- = not defined					

Initial Soil Delineation Assessment Summary and Findings

On October 8, 2024, NTGE conducted site assessment activities to assess the extent of impacts at the Site. Four (4) vertical sample points (V-1 through V-4) were installed within the release area, while eight (8) horizontal sample points (H-1 through H-8) were installed adjacent to the release area in order to characterize the impacts. Soil samples were collected at half-foot (0.5) intervals from depths ranging from zero (0) to four and a half (4.5) ft below ground surface (bgs) with a geotechnical hand auger. The hand auger was decontaminated with Alconox[®] and deionized water between soil samples to prevent cross-contamination. Soil samples were placed directly into laboratory provided samples containers, placed on ice, and transported under proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico for analysis of benzene, toluene, ethylbenzene, and xylene (BTEX) (by EPA Method 8021B), total petroleum hydrocarbon (TPH) (by EPA method 8015 modified), and chloride (method SM4500Cl-B or EPA 300.0). Analytical results indicated Chloride concentrations were above NMOCD standards for all vertical sample points at all depths. Furthermore, TPH concentrations were above NMOCD standards for V-1 at depths surface to half a foot (0-0.5) ft bgs, two to two and a half (2-2.5) ft bgs, and V-4 at depths three to three and a half (3-3.5) ft bgs. All horizontal sample analytes were below NMOCD standards.

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On November 7, 2024, NTGE returned to the Site to continue with the vertical delineation assessment of the release. A total of three (3) test pits (TP-1 to TP-3) were installed within the release area and were collected at one (1) ft intervals at depths ranging from four (4) to seventeen (17) ft bgs utilizing mechanical equipment. Soil samples were delivered to Cardinal Laboratories in Hobbs, New Mexico for the analysis of BTEX, TPH, and chloride. Analytical results indicated that chloride concentrations exceed NMOCD standards at TP-1 at depths ranging from four (4) to eight (8) ft bgs, TP-2 at depths ranging from four (4) to eleven (11) ft bgs, and TP-3 at depths ranging from four (4) to sixteen (16) ft bgs.

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

Proposed Work Plan

After receiving and evaluating the soil boring data NTGE proposes to excavate the areas of V-1/TP-3 to a depth of seventeen (17) ft bgs, V-2, V-3/TP-2 to a depth of twelve (12) ft bgs, and V-4/TP-1 to a depth of nine (9) ft bgs to ensure that the impacted soil has been removed from the Site. Approximately 575 cubic yards of impacted material will be excavated and transported offsite for disposal at an NMOCD approved landfill. The proposed excavation map is shown on Figure 4.

Upon completion of the excavation, confirmation samples will be taken with a five (5) point composite sample and represent an area no greater than 200 square feet to comply with NMAC 19.15.23.12 and 19.15.29.13. Discrete soil samples will be collected from the sidewalls and bottom of the excavation if any staining is observed. All confirmation samples will be taken to a certified laboratory and analyzed for BTEX by EPA Method 8021B, TPH by EPA Method 8015B Modified and chloride by SM4500 Cl -B. If any of the confirmation samples collected exhibit concentrations above regulatory standards set by NMAC 19.15.23.12 and 19.15.23.13, the areas will be further excavated until concentrations are below Table 3.1 Closure Criteria.

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

Sincerely,
NTG Environmental



Ethan Sessums
Project Manager

Attachments:

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

NTGE Project No.: 249221



TABLE

Table 1
Summary of Soil Analytical Data - Delineation Samples
HACKBERRY TRUNK LINE 1700 FT SW OF MIMOSA 24 FED 1
Devon Energy Production Company
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (C6-C28) (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (C6-C35) (mg/kg)	
								10 mg/kg	---	---	---	50 mg/kg	
Table 1 Closure Criteria for Soil 51-100 feet Depth to Groundwater 19.15.29 NMAC													
Vertical Delineation Samples													
V-1	10/8/2024	0-6"	<0.200	0.251	1	3.51	4.76	132	1,480	1,612	302	1,914	10,000
	10/8/2024	1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,600
	10/8/2024	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	116	116	23.2	139.2	12,000
	10/8/2024	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	10,800
	10/8/2024	4-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	24.6	24.6	<10.0	24.6	11,000
V-2	10/8/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	47.6	47.6	13.2	60.8	14,000
	10/8/2024	1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	12,200
	10/8/2024	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	15,600
	10/8/2024	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	19,200
	10/8/2024	4-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	40.4	40.4	11.0	51.4	21,200
V-3	10/8/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	12,800
	10/8/2024	1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	12,800
	10/8/2024	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	15,800
	10/8/2024	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16,000
	10/8/2024	4-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.1	12.1	<10.0	12.1	17,400
V-4	10/8/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	37.6	37.6	<10.0	37.6	12,600
	10/8/2024	1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	14,400
	10/8/2024	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	15,800
	10/8/2024	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	94.8	94.8	12.1	106.9	13,400
	10/8/2024	4-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16,800
TP-1	11/7/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	23,200
	11/7/2024	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16,000
	11/7/2024	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	20,800
	11/7/2024	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	15,600
	11/7/2024	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	800
	11/7/2024	9'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
	11/7/2024	10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
TP-2	11/7/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	18,600
	11/7/2024	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	17,600
	11/7/2024	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	20,600
	11/7/2024	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	12,000
	11/7/2024	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,240
	11/7/2024	9'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.2	18.2	<10.0	18.2	3,440
	11/7/2024	10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,070
	11/7/2024	11'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	624
11/7/2024	12'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0	

Table 1
Summary of Soil Analytical Data - Delineation Samples
HACKBERRY TRUNK LINE 1700 FT SW OF MIMOSA 24 FED 1
Devon Energy Production Company
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (C6-C28) (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (C6-C35) (mg/kg)	
								10 mg/kg	---	---	---	50 mg/kg	
Table I Closure Criteria for Soil 51-100 feet Depth to Groundwater 19.15.29 NMAC													
TP-3	11/7/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	17,600
	11/7/2024	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	27,000
	11/7/2024	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	15,000
	11/7/2024	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	14,600
	11/7/2024	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	22,800
	11/7/2024	9'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,480
	11/7/2024	10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,760
	11/7/2024	11'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	10,400
	11/7/2024	12'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,150
	11/7/2024	13'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	928
	11/7/2024	14'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	960
11/7/2024	15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	976	
11/7/2024	16'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	784	
11/7/2024	17'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0	
Horizontal Delineation Samples													
H-1	10/8/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-2	10/8/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-3	10/8/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-4	10/8/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-5	10/8/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-6	10/8/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-7	10/8/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-8	10/8/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

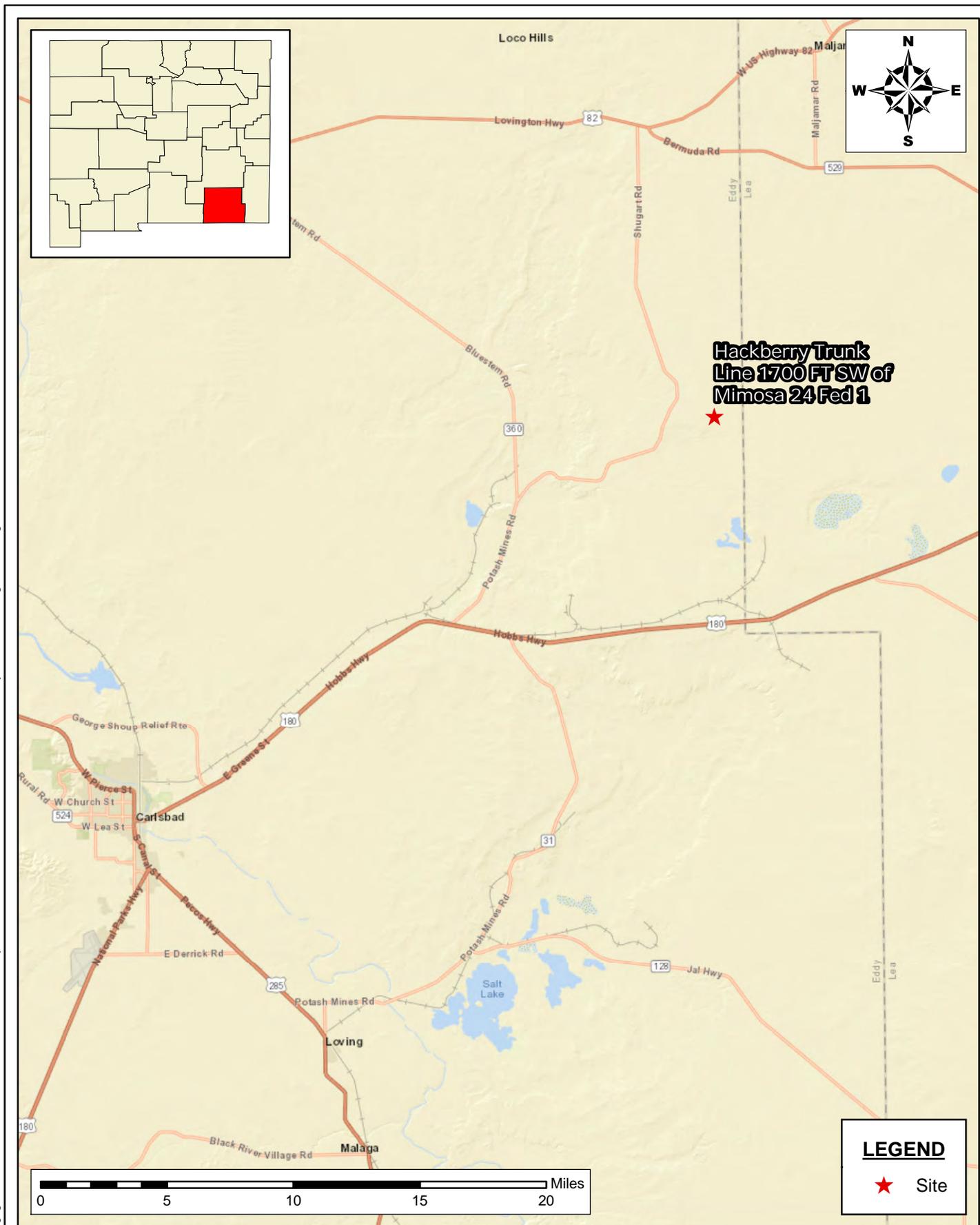
Notes:

1. Values reported in mg/kg
2. < = Value Less Than Reporting Limit (RL)
3. Bold indicates Analyte Detected
4. BTEX analyses by EPA Method SW 8021B
5. TPH analyses by EPA Method SW 8015 Mod.
6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).
9. --- Not Analyzed

SP-1 Sample Point Excavated

FIGURES

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SITE LOCATION MAP
SITE CHARACTERIZATION AND REMEDIATION WORK PLAN
 DEVON ENERGY PRODUCTION COMPANY
 HACKBERRY TRUNK LINE 1700 FT SW OF MIMOSA 24 FED 1
 EDDY COUNTY, NEW MEXICO

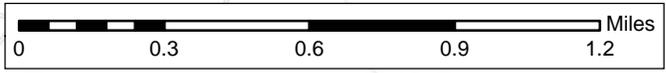
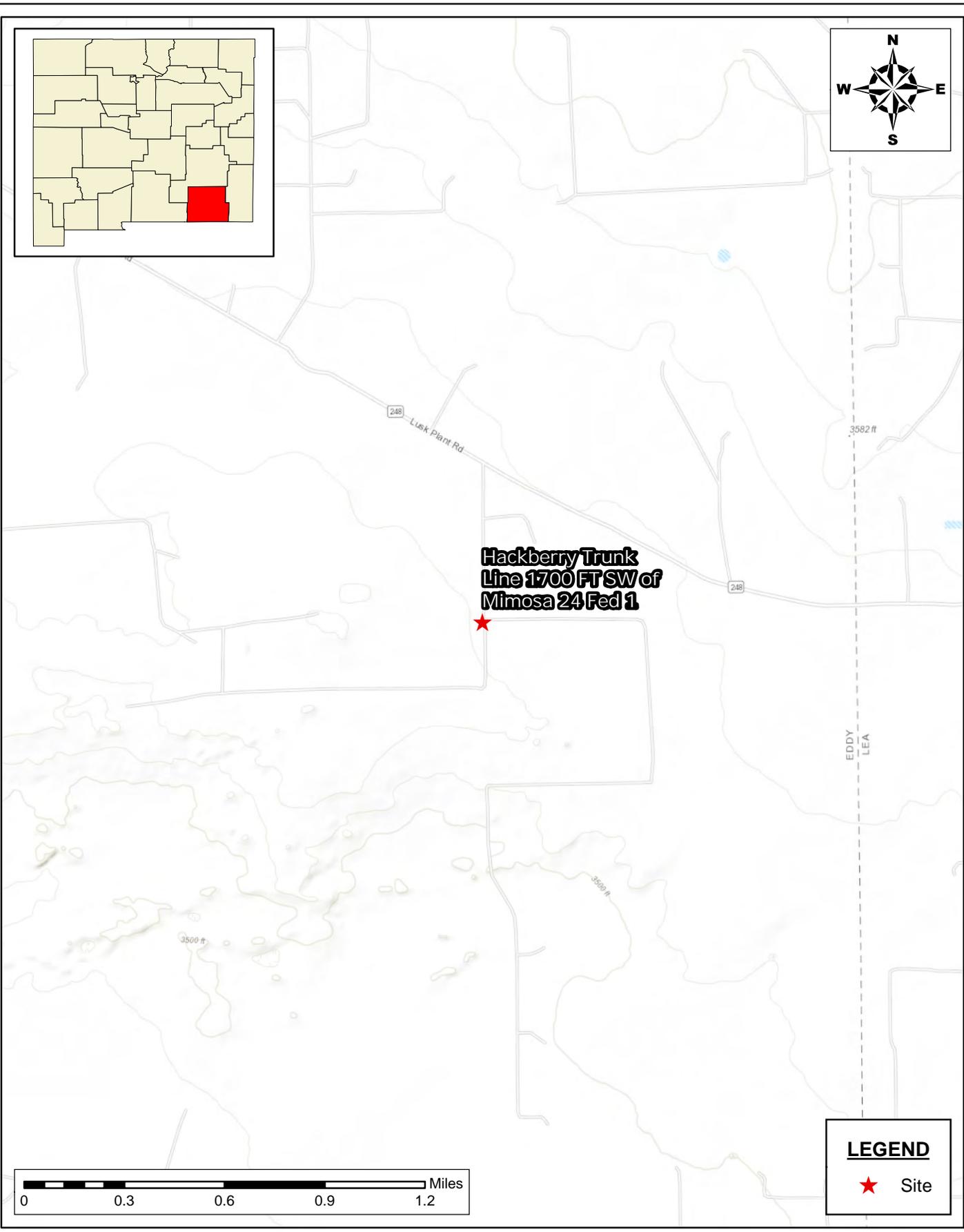
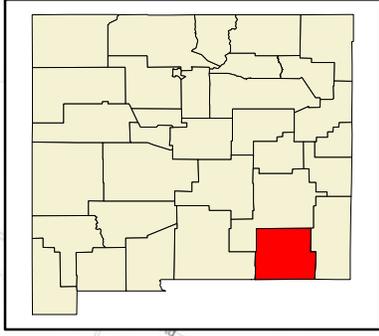
New Tech Global Environmental, LLC
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NOTES:
 1. Base Image: ESRI Maps & Data 2013
 2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1

SCALE: As Shown Date: 11/20/2024 PROJECT #:249221

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LEGEND

★ Site

TOPOGRAPHIC MAP
SITE CHARACTERIZATION AND REMEDIATION WORK PLAN
 DEVON ENERGY PRODUCTION COMPANY
 HACKBERRY TRUNK LINE 1700 FT SW OF MIMOSA 24 FED 1
 EDDY COUNTY, NEW MEXICO

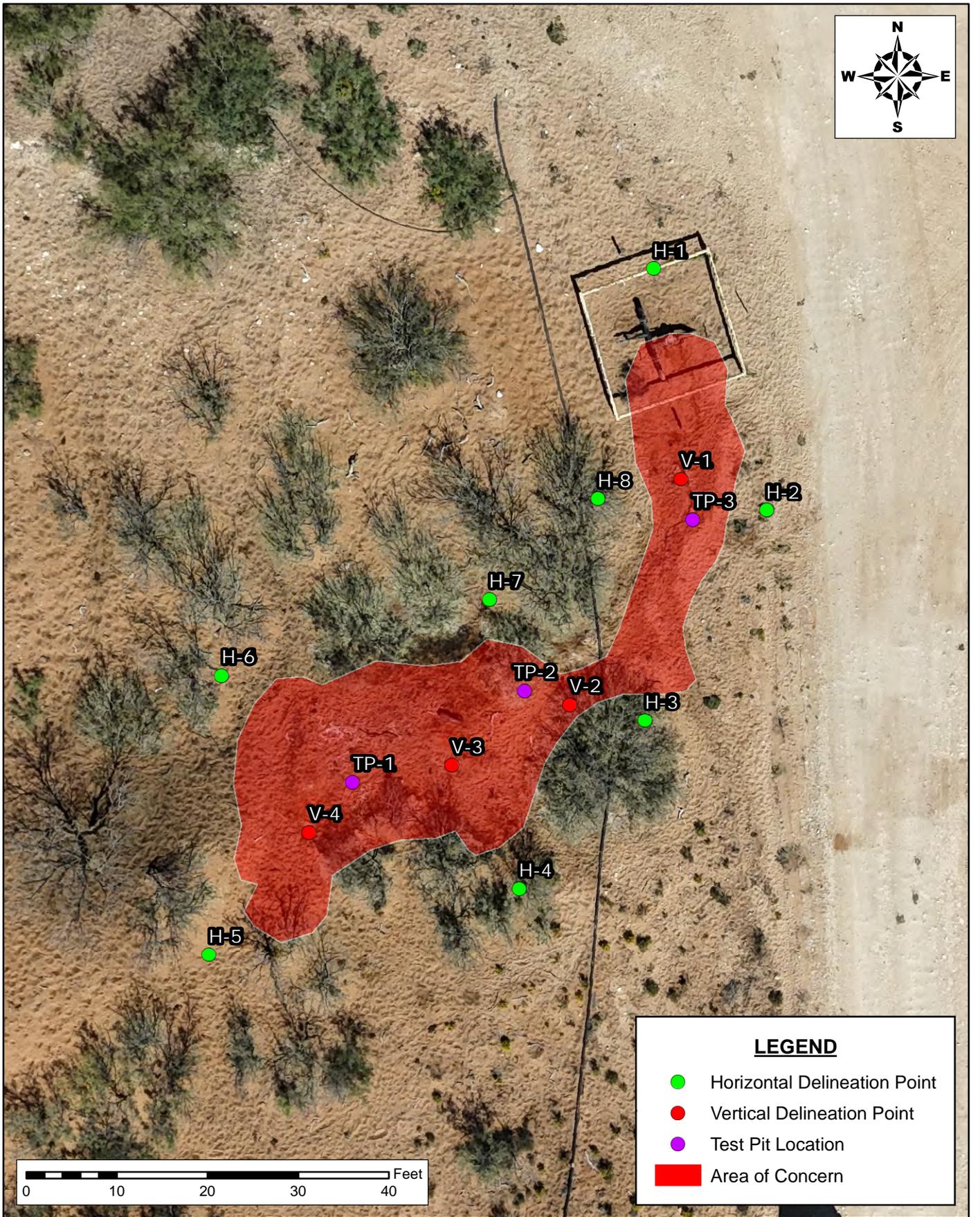

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NOTES:
 1. Base Image: ESRI Maps & Data 2013
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DRAWING NUMBER:
FIGURE 2
 SHEET NUMBER:
1 of 1

SCALE: As Shown Date: 11/20/2024 PROJECT #:249221

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INITIAL ASSESSMENT MAP
SITE CHARACTERIZATION AND REMEDIATION WORK PLAN
 DEVON ENERGY PRODUCTION COMPANY
 HACKBERRY TRUNK LINE 1700 FT SW OF MIMOSA 24 FED 1
 EDDY COUNTY, NEW MEXICO

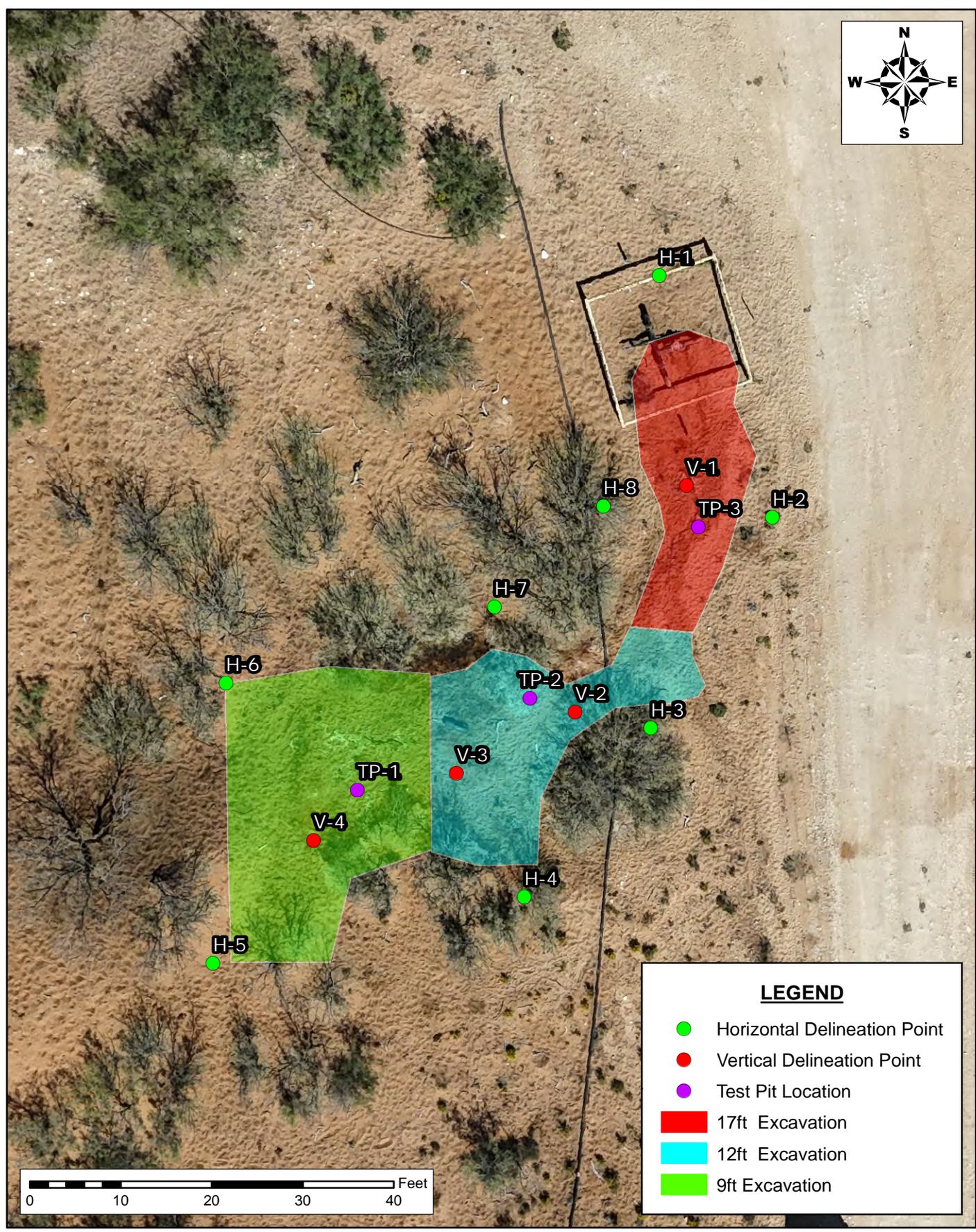
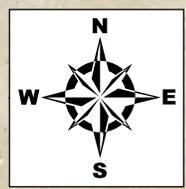
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NOTES:
 1. Base Image: ESRI Maps & Data 2013
 2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 3
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LEGEND

- Horizontal Delineation Point
- Vertical Delineation Point
- Test Pit Location
- 17ft Excavation
- 12ft Excavation
- 9ft Excavation

PROPOSED EXCAVATION MAP
SITE CHARACTERIZATION AND REMEDIATION WORK PLAN
 DEVON ENERGY PRODUCTION COMPANY
 HACKBERRY TRUNK LINE 1700 FT SW OF MIMOSA 24 FED 1
 EDDY COUNTY, NEW MEXICO

SCALE: As Shown Date: 11/20/2024 PROJECT #:249221

NTG
 Environmental

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NOTES:

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

DRAWING NUMBER:
FIGURE 4

SHEET NUMBER:
1 of 1

Proposed Excavation Map

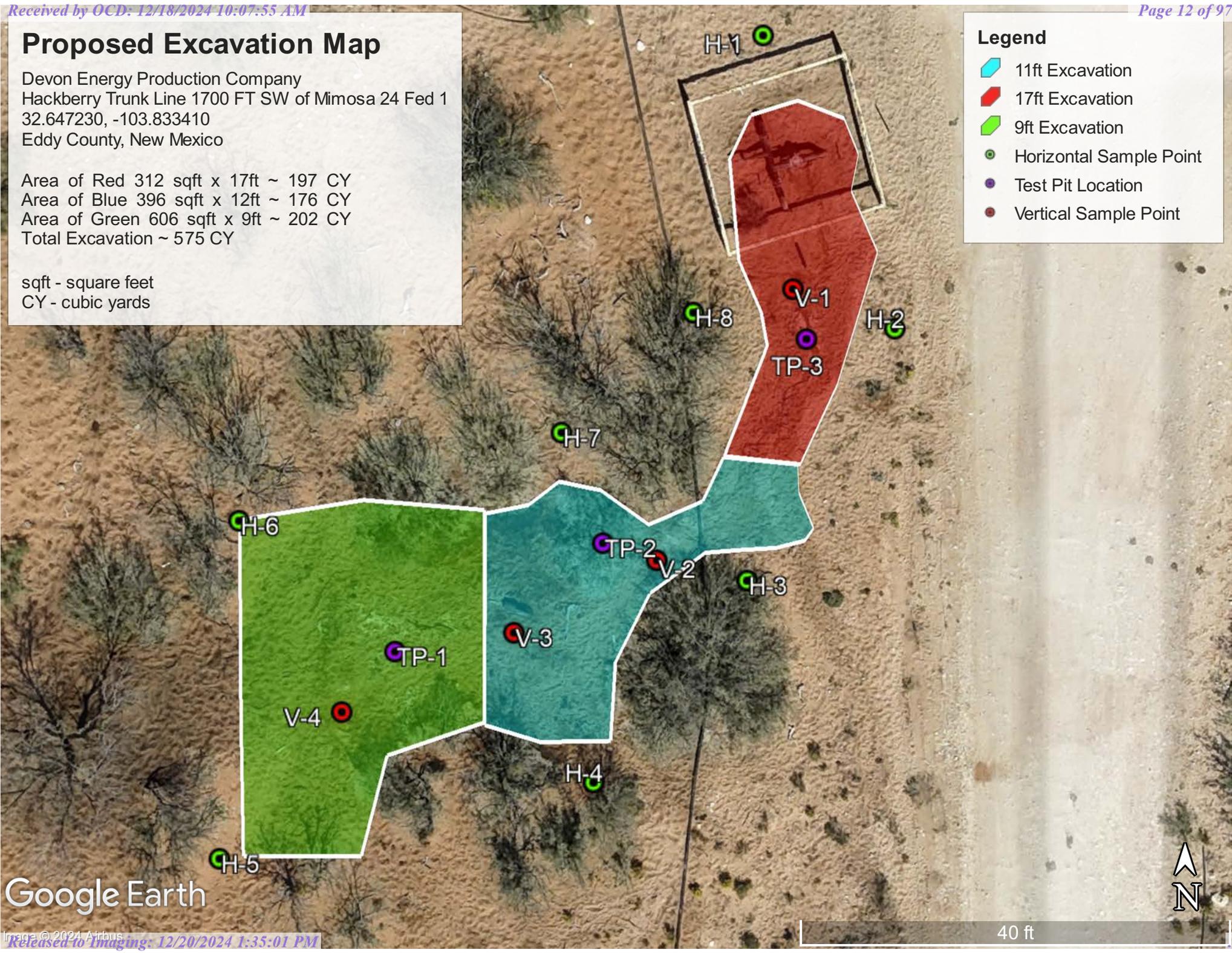
Devon Energy Production Company
Hackberry Trunk Line 1700 FT SW of Mimosa 24 Fed 1
32.647230, -103.833410
Eddy County, New Mexico

Area of Red 312 sqft x 17ft ~ 197 CY
Area of Blue 396 sqft x 12ft ~ 176 CY
Area of Green 606 sqft x 9ft ~ 202 CY
Total Excavation ~ 575 CY

sqft - square feet
CY - cubic yards

Legend

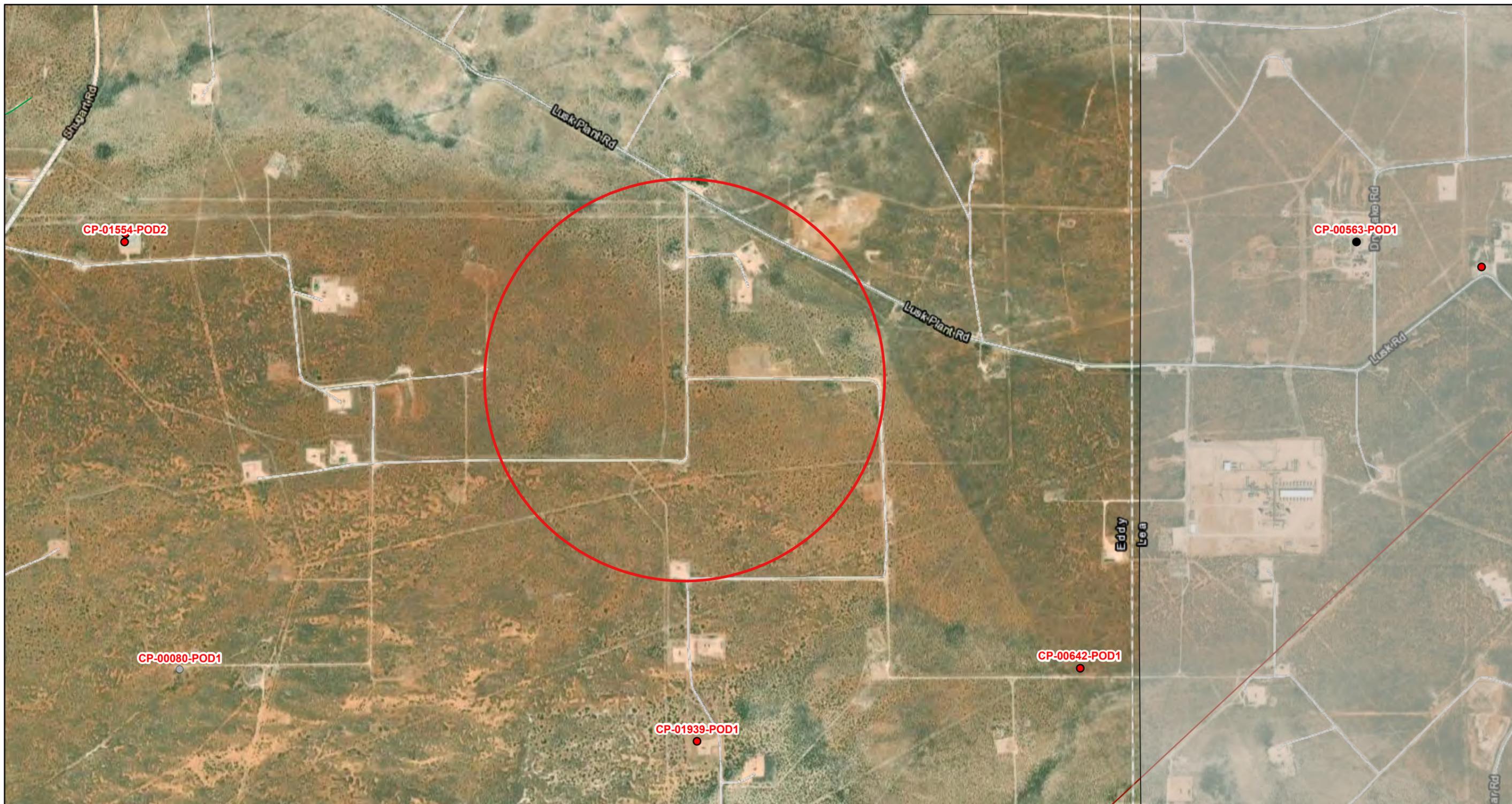
-  11ft Excavation
-  17ft Excavation
-  9ft Excavation
-  Horizontal Sample Point
-  Test Pit Location
-  Vertical Sample Point



Google Earth

SITE CHARACTERIZATION DOCUMENTATION

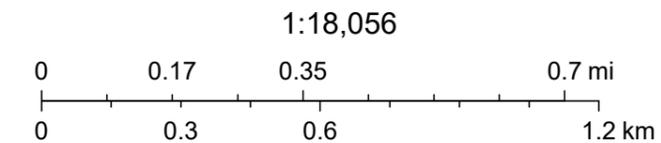
OSE POD Location Map



10/25/2024, 9:31:48 AM

- Override 1
- Plugged
- Inactive
- OSE District Boundary

- Water Right Regulations
- Closure Area
- New Mexico State Trust Lands
- Subsurface Estate
- NHD Flowlines
- Pipeline
- Stream River



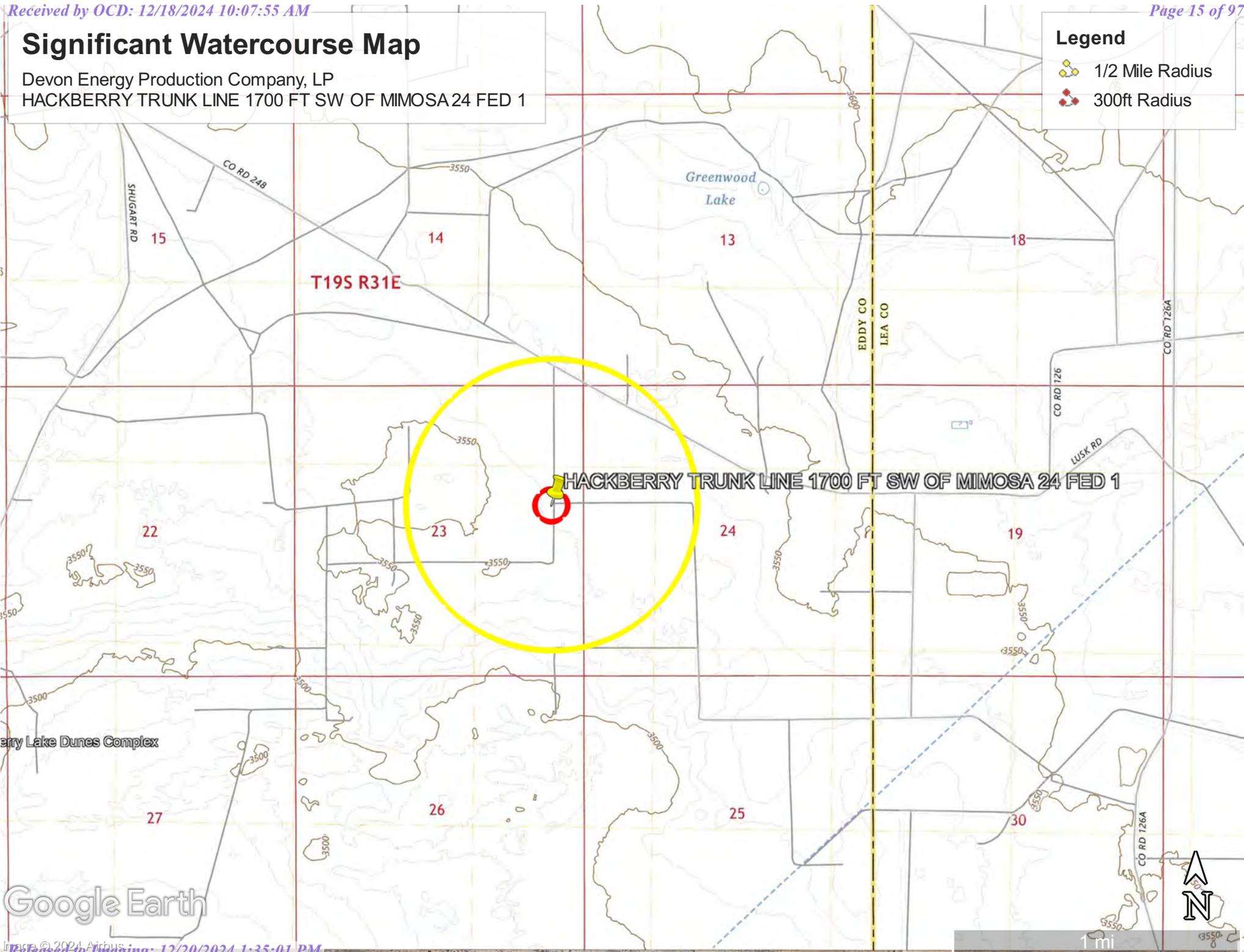
Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar

Significant Watercourse Map

Devon Energy Production Company, LP
HACKBERRY TRUNK LINE 1700 FT SW OF MIMOSA 24 FED 1

Legend

-  1/2 Mile Radius
-  300ft Radius



Google Earth

1 mi



Legend Basemap Query Source

1:144,448

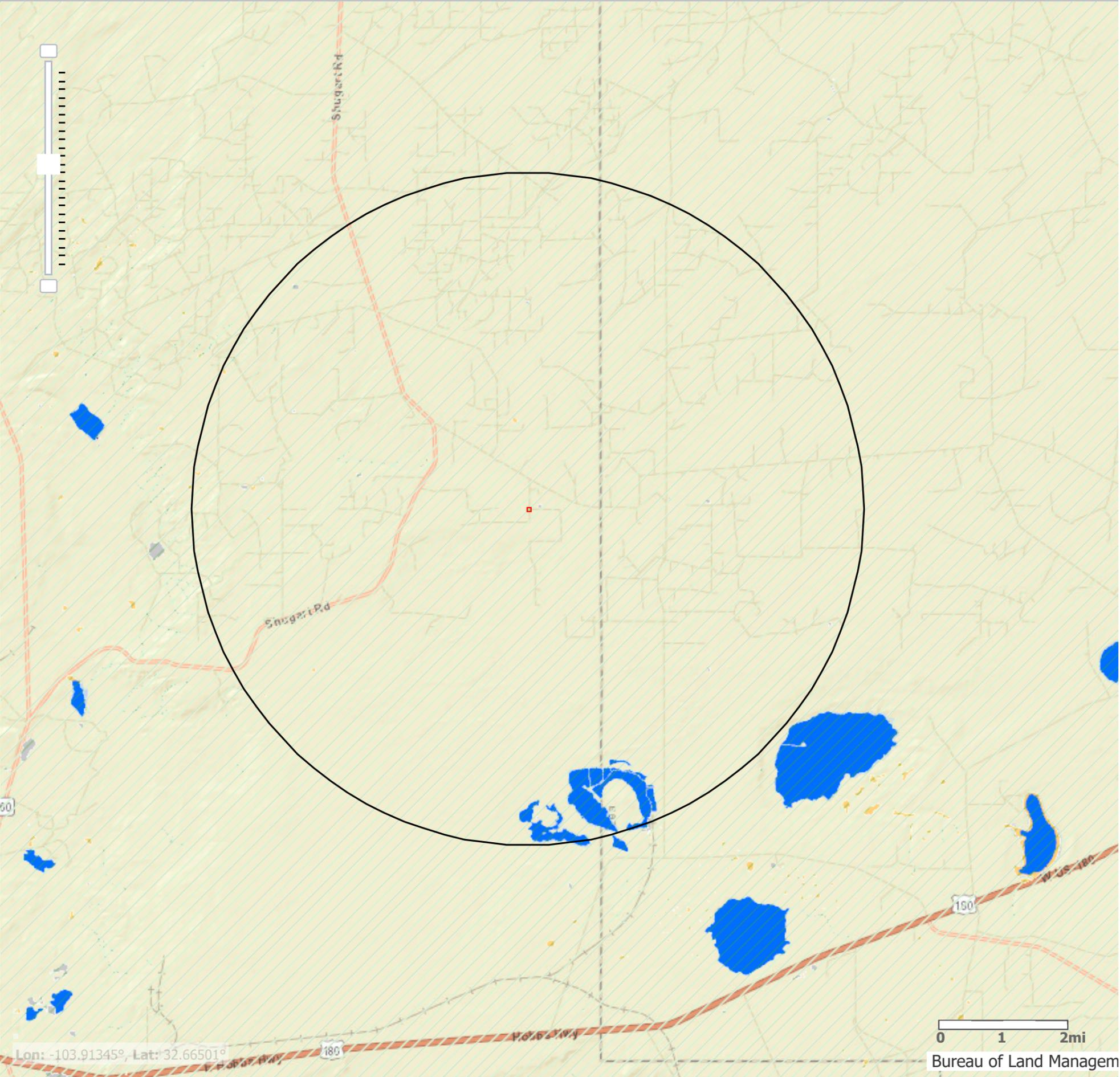
Legend

All Layers On/Off
All Layer Transparency

NM Wetlands Mapping and Classification

NM Wetlands Mapping and Classification

- Mapping Status
 - In Progress (Only NWI)
 - Not Mapped
- Riparian Habitat
- Hydrogeomorphic Mapping (HGM) Linears
- Hydrogeomorphic Mapping (HGM) Polygons
- Landscape Position and Water Body (LLWW) Linears
- Landscape Position and Water Body (LLWW) Polygons
- Landform (LLWW)
- NWI Linears
 - Palustrine Emergent (PEM)
 - Palustrine Forested (PFO)
 - Palustrine Rock Bottom (PRB)
 - Palustrine Scrub Shrub (PSS)
 - Palustrine Unconsolidated (PUB, PUS)
 - Riverine (R2, R3, R4)
- NWI Polygons
 - Lacustrine (L1, L2)
 - Palustrine Aquatic Bed (PAB)
 - Palustrine Emergent (PEM)
 - Palustrine Forested (PFO)
 - Palustrine Rock Bottom (PRB)
 - Palustrine Scrub Shrub (PSS)
 - Palustrine Unconsolidated (PUB, PUS)
 - Riverine (R2, R3, R4)
- Aquatic Invertebrate Habitat (AIH) Linears
- Aquatic Invertebrate Habitat (AIH) Polygons
- Bank and Shoreline Stabilization (BSS) Linears
- Bank and Shoreline Stabilization (BSS) Polygons
- Carbon Sequestration (CAR) Linears
- Carbon Sequestration (CAR) Polygons
- Fish Habitat (FH) Linears
- Fish Habitat (FH) Polygons
- Groundwater Recharge (GR) Linears
- Groundwater Recharge (GR) Polygons
- Nutrient Transformation (NT) Linears
- Nutrient Transformation (NT) Polygons



0 1 2mi

Bureau of Land Management

National Flood Hazard Layer FIRMette



103°50'19"W 32°39'6"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		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 <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
		Area of Undetermined Flood Hazard <i>Zone D</i>

GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Base Flood Elevation Line (BFE)
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
OTHER FEATURES		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 11/15/2024 at 4:14 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



1:6,000

103°49'41"W 32°38'35"N



Wetlands



November 15, 2024

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.

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG
Devon Energy Production Company
Hackberry Trunk Line 1700 FT SW of Mimosa 24 Fed 1

Photograph No. 1

Facility: Hackberry Trunk Line 1700 FT SW of Mimosa 24 Fed 1

County: Eddy County, New Mexico

Description:
Area of Concern



Photograph No. 2

Facility: Hackberry Trunk Line 1700 FT SW of Mimosa 24 Fed 1

County: Eddy County, New Mexico

Description:
Area of Concern

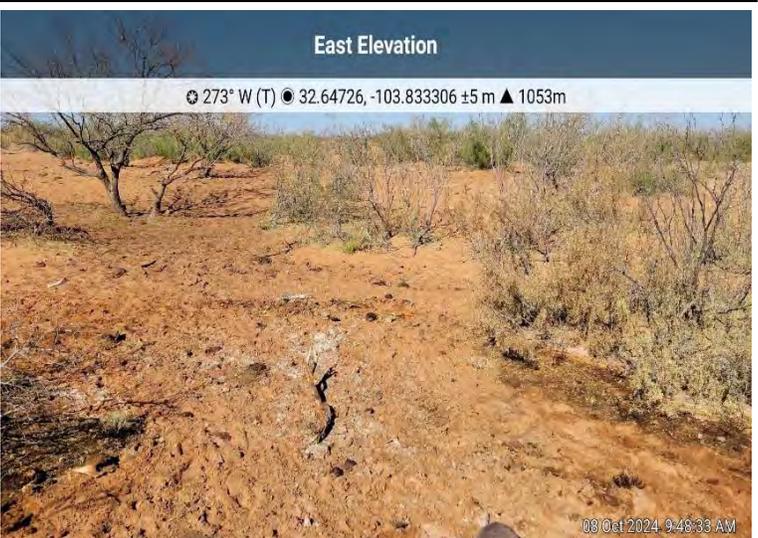


Photograph No. 3

Facility: Hackberry Trunk Line 1700 FT SW of Mimosa 24 Fed 1

County: Eddy County, New Mexico

Description:
Area of Concern



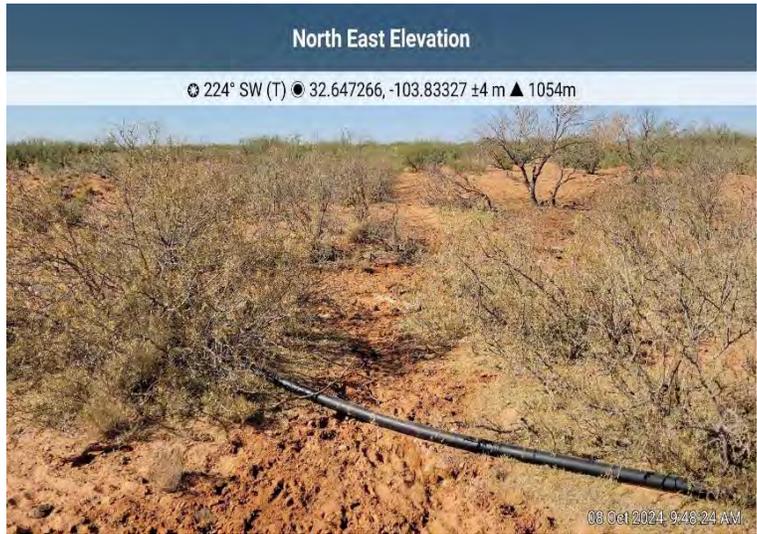
PHOTOGRAPHIC LOG
Devon Energy Production Company
Hackberry Trunk Line 1700 FT SW of Mimosa 24 Fed 1

Photograph No. 1

Facility: Hackberry Trunk Line 1700 FT SW of Mimosa 24 Fed 1

County: Eddy County, New Mexico

Description:
Area of Concern

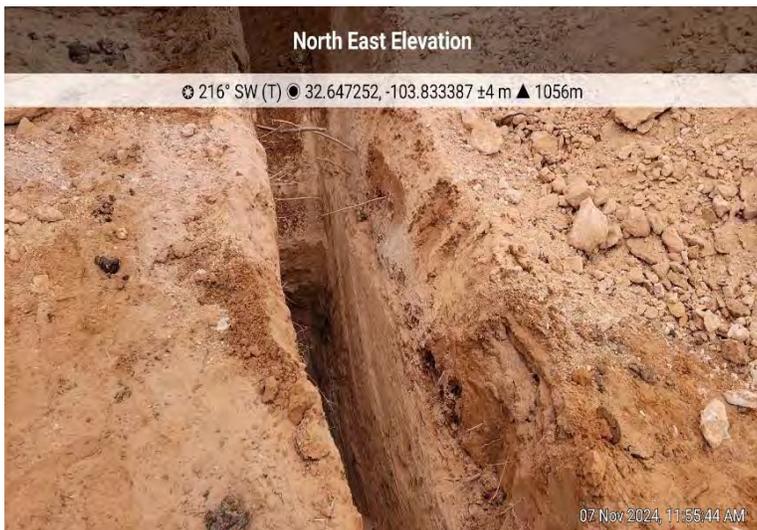


Photograph No. 2

Facility: Hackberry Trunk Line 1700 FT SW of Mimosa 24 Fed 1

County: Eddy County, New Mexico

Description:
Test Pit Instalation



Photograph No. 3

Facility: Hackberry Trunk Line 1700 FT SW of Mimosa 24 Fed 1

County: Eddy County, New Mexico

Description:
Test Pit Instalation



LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS



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

October 16, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: HACKBERRY TO MIMOSA

Enclosed are the results of analyses for samples received by the laboratory on 10/09/24 15:27.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: V - 1 0-6" (H246151-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/11/2024	ND	2.12	106	2.00	0.743	
Toluene*	0.251	0.200	10/11/2024	ND	2.05	103	2.00	6.67	
Ethylbenzene*	1.00	0.200	10/11/2024	ND	2.09	105	2.00	9.42	
Total Xylenes*	3.51	0.600	10/11/2024	ND	6.15	103	6.00	11.6	
Total BTEX	4.76	1.20	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	10/10/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	132	10.0	10/10/2024	ND	193	96.6	200	0.0787	
DRO >C10-C28*	1480	10.0	10/10/2024	ND	196	97.8	200	0.238	
EXT DRO >C28-C36	302	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: V - 1 1-1.5' (H246151-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2024	ND	2.12	106	2.00	0.743	
Toluene*	<0.050	0.050	10/11/2024	ND	2.05	103	2.00	6.67	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.09	105	2.00	9.42	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.15	103	6.00	11.6	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9600	16.0	10/10/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	193	96.6	200	0.0787	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	196	97.8	200	0.238	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: V - 1 2-2.5' (H246151-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2024	ND	2.12	106	2.00	0.743	
Toluene*	<0.050	0.050	10/11/2024	ND	2.05	103	2.00	6.67	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.09	105	2.00	9.42	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.15	103	6.00	11.6	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12000	16.0	10/10/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	193	96.6	200	0.0787	
DRO >C10-C28*	116	10.0	10/10/2024	ND	196	97.8	200	0.238	
EXT DRO >C28-C36	23.2	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: V - 1 3-3.5' (H246151-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2024	ND	2.03	102	2.00	4.50	
Toluene*	<0.050	0.050	10/11/2024	ND	1.98	98.8	2.00	3.61	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.01	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.03	100	6.00	2.41	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10800	16.0	10/10/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	193	96.6	200	0.0787	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	196	97.8	200	0.238	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: V - 1 4-4.5' (H246151-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2024	ND	2.03	102	2.00	4.50	
Toluene*	<0.050	0.050	10/11/2024	ND	1.98	98.8	2.00	3.61	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.01	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.03	100	6.00	2.41	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11000	16.0	10/10/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	193	96.6	200	0.0787	
DRO >C10-C28*	24.6	10.0	10/10/2024	ND	196	97.8	200	0.238	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: V - 2 0-6" (H246151-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2024	ND	2.03	102	2.00	4.50	
Toluene*	<0.050	0.050	10/11/2024	ND	1.98	98.8	2.00	3.61	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.01	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.03	100	6.00	2.41	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14000	16.0	10/10/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	193	96.6	200	0.0787	
DRO >C10-C28*	47.6	10.0	10/10/2024	ND	196	97.8	200	0.238	
EXT DRO >C28-C36	13.2	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: V - 2 1-1.5' (H246151-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2024	ND	2.03	102	2.00	4.50	
Toluene*	<0.050	0.050	10/11/2024	ND	1.98	98.8	2.00	3.61	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.01	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.03	100	6.00	2.41	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12200	16.0	10/10/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	193	96.6	200	0.0787	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	196	97.8	200	0.238	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: V - 2 2-2.5' (H246151-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2024	ND	2.03	102	2.00	4.50	
Toluene*	<0.050	0.050	10/11/2024	ND	1.98	98.8	2.00	3.61	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.01	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.03	100	6.00	2.41	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15600	16.0	10/10/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	193	96.6	200	0.0787	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	196	97.8	200	0.238	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: V - 2 3-3.5' (H246151-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2024	ND	2.03	102	2.00	4.50	
Toluene*	<0.050	0.050	10/16/2024	ND	1.98	98.8	2.00	3.61	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.01	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.03	100	6.00	2.41	
Total BTEX	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19200	16.0	10/10/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	193	96.6	200	0.0787	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	196	97.8	200	0.238	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: V - 2 4-4.5' (H246151-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2024	ND	2.03	102	2.00	4.50	
Toluene*	<0.050	0.050	10/11/2024	ND	1.98	98.8	2.00	3.61	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.01	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.03	100	6.00	2.41	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21200	16.0	10/10/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	193	96.6	200	0.0787	
DRO >C10-C28*	40.4	10.0	10/10/2024	ND	196	97.8	200	0.238	
EXT DRO >C28-C36	11.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: V - 3 0-6" (H246151-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2024	ND	2.03	102	2.00	4.50	
Toluene*	<0.050	0.050	10/16/2024	ND	1.98	98.8	2.00	3.61	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.01	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.03	100	6.00	2.41	
Total BTEX	<0.300	0.300	10/16/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12800	16.0	10/10/2024	ND	416	104	400	0.00	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	193	96.6	200	0.0787	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	196	97.8	200	0.238	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: V - 3 1-1.5' (H246151-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2024	ND	2.03	102	2.00	4.50	
Toluene*	<0.050	0.050	10/11/2024	ND	1.98	98.8	2.00	3.61	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.01	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.03	100	6.00	2.41	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12800	16.0	10/10/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	214	107	200	2.42	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	200	99.9	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: V - 3 2-2.5' (H246151-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2024	ND	2.03	102	2.00	4.50	
Toluene*	<0.050	0.050	10/11/2024	ND	1.98	98.8	2.00	3.61	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.01	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.03	100	6.00	2.41	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15800	16.0	10/10/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	214	107	200	2.42	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	200	99.9	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: V - 3 3-3.5' (H246151-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2024	ND	2.03	102	2.00	4.50	
Toluene*	<0.050	0.050	10/11/2024	ND	1.98	98.8	2.00	3.61	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.01	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.03	100	6.00	2.41	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16000	16.0	10/10/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	214	107	200	2.42	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	200	99.9	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: V - 3 4-4.5' (H246151-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2024	ND	2.03	102	2.00	4.50	
Toluene*	<0.050	0.050	10/11/2024	ND	1.98	98.8	2.00	3.61	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.01	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.03	100	6.00	2.41	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17400	16.0	10/10/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	214	107	200	2.42	
DRO >C10-C28*	12.1	10.0	10/10/2024	ND	200	99.9	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: V - 4 0-6" (H246151-16)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2024	ND	2.03	102	2.00	4.50	
Toluene*	<0.050	0.050	10/11/2024	ND	1.98	98.8	2.00	3.61	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.01	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.03	100	6.00	2.41	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12600	16.0	10/10/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	214	107	200	2.42	
DRO >C10-C28*	37.6	10.0	10/10/2024	ND	200	99.9	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: V - 4 1-1.5' (H246151-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2024	ND	2.03	102	2.00	4.50	
Toluene*	<0.050	0.050	10/11/2024	ND	1.98	98.8	2.00	3.61	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.01	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.03	100	6.00	2.41	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14400	16.0	10/10/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	214	107	200	2.42	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	200	99.9	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

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Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: V - 4 2-2.5' (H246151-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2024	ND	2.03	102	2.00	4.50	
Toluene*	<0.050	0.050	10/11/2024	ND	1.98	98.8	2.00	3.61	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.01	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.03	100	6.00	2.41	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15800	16.0	10/10/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	214	107	200	2.42	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	200	99.9	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: V - 4 3-3.5' (H246151-19)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2024	ND	2.03	102	2.00	4.50	
Toluene*	<0.050	0.050	10/11/2024	ND	1.98	98.8	2.00	3.61	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.01	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.03	100	6.00	2.41	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13400	16.0	10/10/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	214	107	200	2.42	
DRO >C10-C28*	94.8	10.0	10/10/2024	ND	200	99.9	200	5.32	
EXT DRO >C28-C36	12.1	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 49.1-148

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Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: V - 4 4-4.5' (H246151-20)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2024	ND	2.03	102	2.00	4.50	
Toluene*	<0.050	0.050	10/11/2024	ND	1.98	98.8	2.00	3.61	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.01	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.03	100	6.00	2.41	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16800	16.0	10/10/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	214	107	200	2.42	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	200	99.9	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: H - 1 0-6" (H246151-21)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2024	ND	2.03	102	2.00	4.50	
Toluene*	<0.050	0.050	10/11/2024	ND	1.98	98.8	2.00	3.61	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.01	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.03	100	6.00	2.41	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/10/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	214	107	200	2.42	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	200	99.9	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: H - 2 0-6" (H246151-22)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2024	ND	2.03	102	2.00	4.50	
Toluene*	<0.050	0.050	10/11/2024	ND	1.98	98.8	2.00	3.61	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.01	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.03	100	6.00	2.41	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/10/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	214	107	200	2.42	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	200	99.9	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 49.1-148

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Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: H - 3 0-6" (H246151-23)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2024	ND	2.03	102	2.00	4.50	
Toluene*	<0.050	0.050	10/11/2024	ND	1.98	98.8	2.00	3.61	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.01	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.03	100	6.00	2.41	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/10/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	214	107	200	2.42	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	200	99.9	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: H - 4 0-6" (H246151-24)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/11/2024	ND	2.02	101	2.00	0.366		
Toluene*	<0.050	0.050	10/11/2024	ND	2.05	102	2.00	4.98		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.15	108	2.00	8.46		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.39	106	6.00	7.83		
Total BTEX	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/10/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	214	107	200	2.42		
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	200	99.9	200	5.32		
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND						

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: H - 5 0-6" (H246151-25)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2024	ND	2.02	101	2.00	0.366	
Toluene*	<0.050	0.050	10/11/2024	ND	2.05	102	2.00	4.98	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.15	108	2.00	8.46	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.39	106	6.00	7.83	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/10/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	214	107	200	2.42	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	200	99.9	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: H - 6 0-6" (H246151-26)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2024	ND	2.02	101	2.00	0.366	
Toluene*	<0.050	0.050	10/11/2024	ND	2.05	102	2.00	4.98	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.15	108	2.00	8.46	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.39	106	6.00	7.83	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/10/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	214	107	200	2.42	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	200	99.9	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: H - 7 0-6" (H246151-27)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/11/2024	ND	2.02	101	2.00	0.366		
Toluene*	<0.050	0.050	10/11/2024	ND	2.05	102	2.00	4.98		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.15	108	2.00	8.46		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.39	106	6.00	7.83		
Total BTEX	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/10/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	214	107	200	2.42		
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	200	99.9	200	5.32		
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND						

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/09/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TO MIMOSA	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Alyssa Parras
Project Location:	DEVON - EDDY CO., NM		

Sample ID: H - 8 0-6" (H246151-28)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2024	ND	2.02	101	2.00	0.366	
Toluene*	<0.050	0.050	10/11/2024	ND	2.05	102	2.00	4.98	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.15	108	2.00	8.46	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.39	106	6.00	7.83	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/10/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2024	ND	214	107	200	2.42	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	200	99.9	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

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Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: 1544151

Page 1 of 3

Project Manager:	Ethan Sessums	Bill to: (if different)	Date Woodall
Company Name:	NTG Environmental	Company Name:	Devon
Address:	209 W McKay St	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	esessums@ntglobal.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	State of Project:
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Hackberry To Mimosa	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:	249221	Due Date:			
Project Location:	Eddy Co. NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Clayton Turnas	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
PO #	21420702	Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	4140
SAMPLE RECEIPT		Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	-0.00
		Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	-15.00
		Total Containers:	28	Corrected Temperature:	-15.00

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST			Sample Comments
								BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	
V-1	0-6"	10/8/2024	7:00	X		Grab	1	X	X	X	
V-1	1-1.5'	10/8/2024	7:03	X		Grab	1	X	X	X	
V-1	2-2.5'	10/8/2024	7:06	X		Grab	1	X	X	X	
V-1	3-3.5'	10/8/2024	7:09	X		Grab	1	X	X	X	
V-1	4-4.5'	10/8/2024	7:12	X		Grab	1	X	X	X	
V-2	0-6"	10/8/2024	7:15	X		Grab	1	X	X	X	
V-2	1-1.5'	10/8/2024	7:18	X		Grab	1	X	X	X	
V-2	2-2.5'	10/8/2024	7:21	X		Grab	1	X	X	X	
V-2	3-3.5'	10/8/2024	7:24	X		Grab	1	X	X	X	
V-2	4-4.5'	10/8/2024	7:27	X		Grab	1	X	X	X	

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco. Its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	10/9/24/1537			



Chain of Custody

Page 3 of 3

Work Order No: Haywisi

Page 33 of 33

Project Manager:	Ethan Sessums	Bill to: (if different)		Date Woodall
Company Name:	NTG Environmental	Company Name:		Devon
Address:	209 W McKay St	Address:		
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:		
Phone:	432-701-2159	Email:	esessums@ntglobal.com	

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Hackberry To Mimoso	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Press. Code	
Project Number:	249221	Due Date:			
Project Location:	Eddy Co. NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Clayton Tumas	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
PO #:	21420702	Thermometer ID:	#140	Correction Factor:	-0.02
SAMPLE RECEIPT		Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	-15.02
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Corrected Temperature:	-15.02
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Total Containers:	28		

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Sample Comments
								BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	
H-1	0-6"	10/8/2024	8:00	X		Grab	1	X	X	X	
H-2	0-6"	10/8/2024	8:03	X		Grab	1	X	X	X	
H-3	0-6"	10/8/2024	8:06	X		Grab	1	X	X	X	
H-4	0-6"	10/8/2024	8:09	X		Grab	1	X	X	X	
H-5	0-6"	10/8/2024	8:12	X		Grab	1	X	X	X	
H-6	0-6"	10/8/2024	8:15	X		Grab	1	X	X	X	
H-7	0-6"	10/8/2024	8:18	X		Grab	1	X	X	X	
H-8	0-6"	10/8/2024	8:21	X		Grab	1	X	X	X	

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	10/24/1537			



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

November 13, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: HACKBERRY TRUNK LINE

Enclosed are the results of analyses for samples received by the laboratory on 11/07/24 13:20.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 1 4' (H246807-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2024	ND	2.28	114	2.00	5.09	
Toluene*	<0.050	0.050	11/10/2024	ND	2.24	112	2.00	4.94	
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.32	116	2.00	3.17	
Total Xylenes*	<0.150	0.150	11/10/2024	ND	6.86	114	6.00	2.38	
Total BTEX	<0.300	0.300	11/10/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	23200	16.0	11/11/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	193	96.3	200	0.336	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	191	95.7	200	5.56	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 1 5' (H246807-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2024	ND	2.13	107	2.00	0.372	
Toluene*	<0.050	0.050	11/09/2024	ND	2.20	110	2.00	8.27	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.39	120	2.00	13.3	QR-03
Total Xylenes*	<0.150	0.150	11/09/2024	ND	7.21	120	6.00	14.1	QR-03
Total BTEX	<0.300	0.300	11/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16000	16.0	11/11/2024	ND	416	104	400	0.00	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	193	96.3	200	0.336	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	191	95.7	200	5.56	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 1 6' (H246807-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2024	ND	2.13	107	2.00	0.372	
Toluene*	<0.050	0.050	11/10/2024	ND	2.20	110	2.00	8.27	
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.39	120	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/10/2024	ND	7.21	120	6.00	14.1	
Total BTEX	<0.300	0.300	11/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20800	16.0	11/11/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2024	ND	193	96.3	200	0.336	
DRO >C10-C28*	<10.0	10.0	11/09/2024	ND	191	95.7	200	5.56	
EXT DRO >C28-C36	<10.0	10.0	11/09/2024	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 1 7' (H246807-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2024	ND	2.13	107	2.00	0.372	
Toluene*	<0.050	0.050	11/10/2024	ND	2.20	110	2.00	8.27	
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.39	120	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/10/2024	ND	7.21	120	6.00	14.1	
Total BTEX	<0.300	0.300	11/10/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15600	16.0	11/11/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2024	ND	193	96.3	200	0.336	
DRO >C10-C28*	<10.0	10.0	11/09/2024	ND	191	95.7	200	5.56	
EXT DRO >C28-C36	<10.0	10.0	11/09/2024	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 1 8' (H246807-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2024	ND	2.13	107	2.00	0.372	
Toluene*	<0.050	0.050	11/10/2024	ND	2.20	110	2.00	8.27	
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.39	120	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/10/2024	ND	7.21	120	6.00	14.1	
Total BTEX	<0.300	0.300	11/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	11/11/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	226	113	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	225	113	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 1 9' (H246807-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2024	ND	2.13	107	2.00	0.372	
Toluene*	<0.050	0.050	11/10/2024	ND	2.20	110	2.00	8.27	
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.39	120	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/10/2024	ND	7.21	120	6.00	14.1	
Total BTEX	<0.300	0.300	11/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	11/11/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	226	113	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	225	113	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 1 10' (H246807-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2024	ND	2.13	107	2.00	0.372	
Toluene*	<0.050	0.050	11/10/2024	ND	2.20	110	2.00	8.27	
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.39	120	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/10/2024	ND	7.21	120	6.00	14.1	
Total BTEX	<0.300	0.300	11/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/11/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	226	113	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	225	113	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 2 4' (H246807-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2024	ND	2.13	107	2.00	0.372	
Toluene*	<0.050	0.050	11/10/2024	ND	2.20	110	2.00	8.27	
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.39	120	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/10/2024	ND	7.21	120	6.00	14.1	
Total BTEX	<0.300	0.300	11/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18600	16.0	11/11/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	226	113	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	225	113	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 2 5' (H246807-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2024	ND	2.13	107	2.00	0.372	
Toluene*	<0.050	0.050	11/10/2024	ND	2.20	110	2.00	8.27	
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.39	120	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/10/2024	ND	7.21	120	6.00	14.1	
Total BTEX	<0.300	0.300	11/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17600	16.0	11/11/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	226	113	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	225	113	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 2 6' (H246807-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2024	ND	2.13	107	2.00	0.372	
Toluene*	<0.050	0.050	11/10/2024	ND	2.20	110	2.00	8.27	
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.39	120	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/10/2024	ND	7.21	120	6.00	14.1	
Total BTEX	<0.300	0.300	11/10/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20600	16.0	11/11/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	226	113	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	225	113	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 2 7' (H246807-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2024	ND	2.13	107	2.00	0.372	
Toluene*	<0.050	0.050	11/10/2024	ND	2.20	110	2.00	8.27	
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.39	120	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/10/2024	ND	7.21	120	6.00	14.1	
Total BTEX	<0.300	0.300	11/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12000	16.0	11/11/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	226	113	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	225	113	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 2 8' (H246807-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2024	ND	2.13	107	2.00	0.372	
Toluene*	<0.050	0.050	11/10/2024	ND	2.20	110	2.00	8.27	
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.39	120	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/10/2024	ND	7.21	120	6.00	14.1	
Total BTEX	<0.300	0.300	11/10/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6240	16.0	11/11/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	226	113	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	225	113	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 2 9' (H246807-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2024	ND	2.13	107	2.00	0.372	
Toluene*	<0.050	0.050	11/10/2024	ND	2.20	110	2.00	8.27	
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.39	120	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/10/2024	ND	7.21	120	6.00	14.1	
Total BTEX	<0.300	0.300	11/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	11/11/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	226	113	200	1.56	
DRO >C10-C28*	18.2	10.0	11/08/2024	ND	225	113	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 2 10' (H246807-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2024	ND	2.13	107	2.00	0.372	
Toluene*	<0.050	0.050	11/10/2024	ND	2.20	110	2.00	8.27	
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.39	120	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/10/2024	ND	7.21	120	6.00	14.1	
Total BTEX	<0.300	0.300	11/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	11/11/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	226	113	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	225	113	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 2 11' (H246807-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2024	ND	2.13	107	2.00	0.372	
Toluene*	<0.050	0.050	11/10/2024	ND	2.20	110	2.00	8.27	
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.39	120	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/10/2024	ND	7.21	120	6.00	14.1	
Total BTEX	<0.300	0.300	11/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	11/11/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2024	ND	226	113	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/11/2024	ND	225	113	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/11/2024	ND					

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 2 12' (H246807-16)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2024	ND	2.13	107	2.00	0.372	
Toluene*	<0.050	0.050	11/10/2024	ND	2.20	110	2.00	8.27	
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.39	120	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/10/2024	ND	7.21	120	6.00	14.1	
Total BTEX	<0.300	0.300	11/10/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/11/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2024	ND	226	113	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/11/2024	ND	225	113	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/11/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 3 4' (H246807-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2024	ND	2.13	107	2.00	0.372	
Toluene*	<0.050	0.050	11/10/2024	ND	2.20	110	2.00	8.27	
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.39	120	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/10/2024	ND	7.21	120	6.00	14.1	
Total BTEX	<0.300	0.300	11/10/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17600	16.0	11/11/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2024	ND	226	113	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/11/2024	ND	225	113	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/11/2024	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 3 5' (H246807-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2024	ND	2.13	107	2.00	0.372	
Toluene*	<0.050	0.050	11/10/2024	ND	2.20	110	2.00	8.27	
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.39	120	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/10/2024	ND	7.21	120	6.00	14.1	
Total BTEX	<0.300	0.300	11/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	27000	16.0	11/11/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2024	ND	226	113	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/11/2024	ND	225	113	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/11/2024	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 3 6' (H246807-19)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2024	ND	2.13	107	2.00	0.372	
Toluene*	<0.050	0.050	11/10/2024	ND	2.20	110	2.00	8.27	
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.39	120	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/10/2024	ND	7.21	120	6.00	14.1	
Total BTEX	<0.300	0.300	11/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15000	16.0	11/11/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2024	ND	226	113	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/11/2024	ND	225	113	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/11/2024	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 3 7' (H246807-20)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2024	ND	2.13	107	2.00	0.372	
Toluene*	<0.050	0.050	11/10/2024	ND	2.20	110	2.00	8.27	
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.39	120	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/10/2024	ND	7.21	120	6.00	14.1	
Total BTEX	<0.300	0.300	11/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14600	16.0	11/11/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2024	ND	226	113	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/11/2024	ND	225	113	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/11/2024	ND					

Surrogate: 1-Chlorooctane 76.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 3 8' (H246807-21)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2024	ND	2.13	107	2.00	0.372	
Toluene*	<0.050	0.050	11/10/2024	ND	2.20	110	2.00	8.27	
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.39	120	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/10/2024	ND	7.21	120	6.00	14.1	
Total BTEX	<0.300	0.300	11/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22800	16.0	11/11/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2024	ND	226	113	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/11/2024	ND	225	113	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/11/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 3 9' (H246807-22)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2024	ND	2.08	104	2.00	0.720	
Toluene*	<0.050	0.050	11/09/2024	ND	2.12	106	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.11	106	2.00	0.818	
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.28	105	6.00	0.512	
Total BTEX	<0.300	0.300	11/09/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	11/11/2024	ND	432	108	400	7.69	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2024	ND	226	113	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/11/2024	ND	225	113	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/11/2024	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 3 10' (H246807-23)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2024	ND	2.08	104	2.00	0.720	
Toluene*	<0.050	0.050	11/09/2024	ND	2.12	106	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.11	106	2.00	0.818	
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.28	105	6.00	0.512	
Total BTEX	<0.300	0.300	11/09/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	11/11/2024	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2024	ND	226	113	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/11/2024	ND	225	113	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/11/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.4 % 49.1-148

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Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 3 11' (H246807-24)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2024	ND	2.08	104	2.00	0.720	
Toluene*	<0.050	0.050	11/09/2024	ND	2.12	106	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.11	106	2.00	0.818	
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.28	105	6.00	0.512	
Total BTEX	<0.300	0.300	11/09/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10400	16.0	11/11/2024	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2024	ND	226	113	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/11/2024	ND	225	113	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/11/2024	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 3 12' (H246807-25)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2024	ND	2.08	104	2.00	0.720	
Toluene*	<0.050	0.050	11/09/2024	ND	2.12	106	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.11	106	2.00	0.818	
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.28	105	6.00	0.512	
Total BTEX	<0.300	0.300	11/09/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	11/11/2024	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	228	114	200	4.48	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	216	108	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 3 13' (H246807-26)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2024	ND	2.08	104	2.00	0.720	
Toluene*	<0.050	0.050	11/09/2024	ND	2.12	106	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.11	106	2.00	0.818	
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.28	105	6.00	0.512	
Total BTEX	<0.300	0.300	11/09/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	11/11/2024	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	228	114	200	4.48	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	216	108	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 3 14' (H246807-27)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2024	ND	2.08	104	2.00	0.720	
Toluene*	<0.050	0.050	11/09/2024	ND	2.12	106	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.11	106	2.00	0.818	
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.28	105	6.00	0.512	
Total BTEX	<0.300	0.300	11/09/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	11/11/2024	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	228	114	200	4.48	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	216	108	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 82.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.6 % 49.1-148

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Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 3 15' (H246807-28)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2024	ND	2.08	104	2.00	0.720	
Toluene*	<0.050	0.050	11/10/2024	ND	2.12	106	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.11	106	2.00	0.818	
Total Xylenes*	<0.150	0.150	11/10/2024	ND	6.28	105	6.00	0.512	
Total BTEX	<0.300	0.300	11/10/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	11/11/2024	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	228	114	200	4.48	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	216	108	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 3 16' (H246807-29)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2024	ND	2.08	104	2.00	0.720	
Toluene*	<0.050	0.050	11/10/2024	ND	2.12	106	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.11	106	2.00	0.818	
Total Xylenes*	<0.150	0.150	11/10/2024	ND	6.28	105	6.00	0.512	
Total BTEX	<0.300	0.300	11/10/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	11/11/2024	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	228	114	200	4.48	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	216	108	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/07/2024	Sampling Date:	11/07/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	HACKBERRY TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	249221	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO.		

Sample ID: TP - 3 17' (H246807-30)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2024	ND	2.08	104	2.00	0.720	
Toluene*	<0.050	0.050	11/10/2024	ND	2.12	106	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.11	106	2.00	0.818	
Total Xylenes*	<0.150	0.150	11/10/2024	ND	6.28	105	6.00	0.512	
Total BTEX	<0.300	0.300	11/10/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/11/2024	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2024	ND	228	114	200	4.48	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	216	108	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: NIQE
 Project Manager: Ethan Severson
 Address: 209 West Mickey St
 City: Carlsbad State: NM Zip: 88220
 Phone #: _____ Fax #: _____
 Project #: 249221 Project Owner: _____
 Project Name: Hackberry Tank Line
 Project Location: Hobby County
 Sample Name: Play for James

P.O. #: 2420707
 Company: Devon
 Attn: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone #: _____ Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
<u>H410807</u>	<u>TP-2</u>	<u>G</u>	<u>1</u>			<u>X</u>			<u>11/7</u>		<u>BTEX</u>	
	<u>TP-2</u>										<u>TPH</u>	
	<u>TP-2</u>										<u>Chloride</u>	
	<u>TP-3</u>											
	<u>TP-3</u>											
	<u>TP-3</u>											
	<u>TP-3</u>											
	<u>TP-3</u>											
	<u>TP-3</u>											
	<u>TP-3</u>											
	<u>TP-3</u>											

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Relinquished By: _____
 Relinquished Date: _____
 Received By: Stoddard
 Received Date: 11/7
 Checked By: SRZ

Delivered By: (Circle One)
 Sample - UPS - Bus - Other: _____
 Observed Temp. °C: 5.4
 Corrected Temp. °C: 4.8
 Sample Condition: Intact Cool Yes No

Turnaround Time: _____
 Thermometer ID #140
 Correction Factor -0.8°C

Standard Bacteria (only) Add'l Phone #: _____
 Rush Cool Intact Yes No
 Sample Condition Observed Temp. °C _____
 Corrected Temp. °C _____

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 413353

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 413353
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2427861348
Incident Name	NAPP2427861348 HACKBERRY TRUNK LINE 1700 FT SW OF MIMOSA 24 FED 1 @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	HACKBERRY TRUNK LINE 1700 FT SW OF MIMOSA 24 FED 1
Date Release Discovered	10/02/2024
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 Pipeline (Any) Produced Water Released: 7 BBL Recovered: 4 BBL Lost: 3 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)	VALVE ON TRUNK LINE FAILED 7 BBLs SPILLED 4 BBLs RECOVERED. 1700 FEET SW OF MIMOSA 24 FED 1. (32.647379, -103.833283)

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 413353

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 413353
	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	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

The source of the release has been stopped	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@dnv.com Date: 12/18/2024
--	--

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 413353

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 413353
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (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 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	23200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1914
GRO+DRO (EPA SW-846 Method 8015M)	1612
BTEX (EPA SW-846 Method 8021B or 8260B)	4.7
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	01/15/2025
On what date will (or did) the final sampling or liner inspection occur	02/21/2025
On what date will (or was) the remediation complete(d)	02/28/2025
What is the estimated surface area (in square feet) that will be reclaimed	1314
What is the estimated volume (in cubic yards) that will be reclaimed	575
What is the estimated surface area (in square feet) that will be remediated	1314
What is the estimated volume (in cubic yards) that will be remediated	575
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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 4

Action 413353

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 413353
	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	LEA LAND LANDFILL [fEEM0112342028]
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: 12/18/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 413353

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 413353
	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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QUESTIONS, Page 6

Action 413353

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 413353
	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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Santa Fe, NM 87505

CONDITIONS

Action 413353

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 413353
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved. Submit remediation closure report to OCD by 3/20/2025.	12/20/2024