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September 4, 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
Shetland 11 CTB 1
Unit D, Section 11, Township 26S, Range 31E
Site Coordinates: 32.053023, -103.749823
Eddy County, New Mexico
Incident ID: nAPP2421847577

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: nAPP2421847577 – Shetland 11 CTB 1 (Site). The Site is in Unit Letter D, Section 11, of Township 26 South and Range 31 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.053023° N latitude and 103.749823° W longitude. The site location with respect to the nearest town is shown in Figure 1 and the topography of the area is shown in Figure 2.

Background

Based on the Release Notification C-141 Form, the release was discovered on August 05, 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 twenty-nine (29) barrels (bbls) of produced water of which twenty (20) bbls of produced water were recovered for an approximate net loss of nine (9) bbls of produced water. The release area is shown in Figure 3.

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Mr. Mike Bratcher
September 4, 2024
Page 2 of 3

Groundwater and Site Characterization

Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a ½-mile radius of the Site. The three closest groundwater wells (i.e., C-04637 POD1 [0.89 miles away], C-04801 POD1 [1.58 miles away], and C-04209 POD-1 [2.03 miles away]) indicate that the average depth to groundwater is 190 feet (ft). 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 Medium 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)
Medium Karst	190

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 August 21, 2024, NTGE conducted site assessment activities to assess the extent of impacts at the Site. Six (6) vertical sample points (V-1 through V-6) were installed within the release area, while nine (9) horizontal sample points (H-1 through H-9) were installed adjacent to the release area in order to characterize the impacts. Soil samples were collected at half-foot (0.5) to one (1) ft 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). Analytical results indicated that chloride concentrations exceeded the NMOC regulatory limits in the area of V-1 to a depth of four and a half (4.5) ft bgs, V-2, V-5, and V-6 to a depth of one and a half (1.5) ft bgs, and V-3

NTGE Project No.: 249027



Mr. Mike Bratcher
September 4, 2024
Page 3 of 3

and V-4 to a depth of a half foot (0.5) ft bgs. All other samples were below NMOCD regulatory limits.

On August 27, 2024, NTGE returned to Site to complete the vertical delineation assessment of the release. A total of one (1) vertical delineation sample points (i.e., V-1) were reinstalled within the release area and collected at one (1) ft intervals to a maximum depth of six and a half (6.5) ft bgs. Analytical results indicated that all delineation samples were below NMOCD regulatory criteria.

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

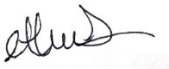
Proposed Work Plan

After receiving and evaluating the soil boring data NTGE proposes to hand dig the area of V-1 to a depth of one (1) ft bgs due to its proximity to equipment, excavate the areas of V-2, V-5, and V-6 to a depth of two (2) ft bgs, and V-3 and V-4 to a depth of one (1) ft bgs to ensure that the impacted soil has been removed from the Site. Approximately 219 cubic yards of impacted material will be excavated and transported offsite for disposal at an NMOCD approved landfill. The proposed excavation map is shown in 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



Jillian Smiley
Jr. Project Manager - Botanist

Attachments:

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

NTGE Project No.: 249027



TABLES

Table 1
Summary of Soil Analytical Data - Delineation Samples
Shetland 11 CTB 1
Devon Energy Production Company
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil 51-100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
Vertical Delineation Samples													
V-1	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,580
	8/21/2024	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,710
	8/21/2024	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,200
	8/21/2024	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,440
	8/21/2024	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,280
	8/27/2024	5-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,040
V-2	8/27/2024	6-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,440
	8/21/2024	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,360
	8/21/2024	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
	8/21/2024	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
	8/21/2024	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
V-3	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,680
	8/21/2024	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
	8/21/2024	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
	8/21/2024	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
	8/21/2024	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,000
V-4	8/21/2024	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
	8/21/2024	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
	8/21/2024	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
	8/21/2024	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	18,800
	8/21/2024	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	704
V-5	8/21/2024	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
	8/21/2024	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
	8/21/2024	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	15,200
	8/21/2024	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,440
	8/21/2024	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
V-6	8/21/2024	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
	8/21/2024	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
	Horizontal Delineation Samples												
H-1	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
H-2	8/21/2024	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	8/21/2024	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	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
H-5	8/21/2024	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	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
H-7	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
H-8	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
H-9	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0

Table 1
Summary of Soil Analytical Data - Delineation Samples
Shetland 11 CTB 1
Devon Energy Production Company
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil 51-100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg

- 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

SP-1

Sample Point Excavated

5. TPH analyses by EPA Method SW 8015 Mod.

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

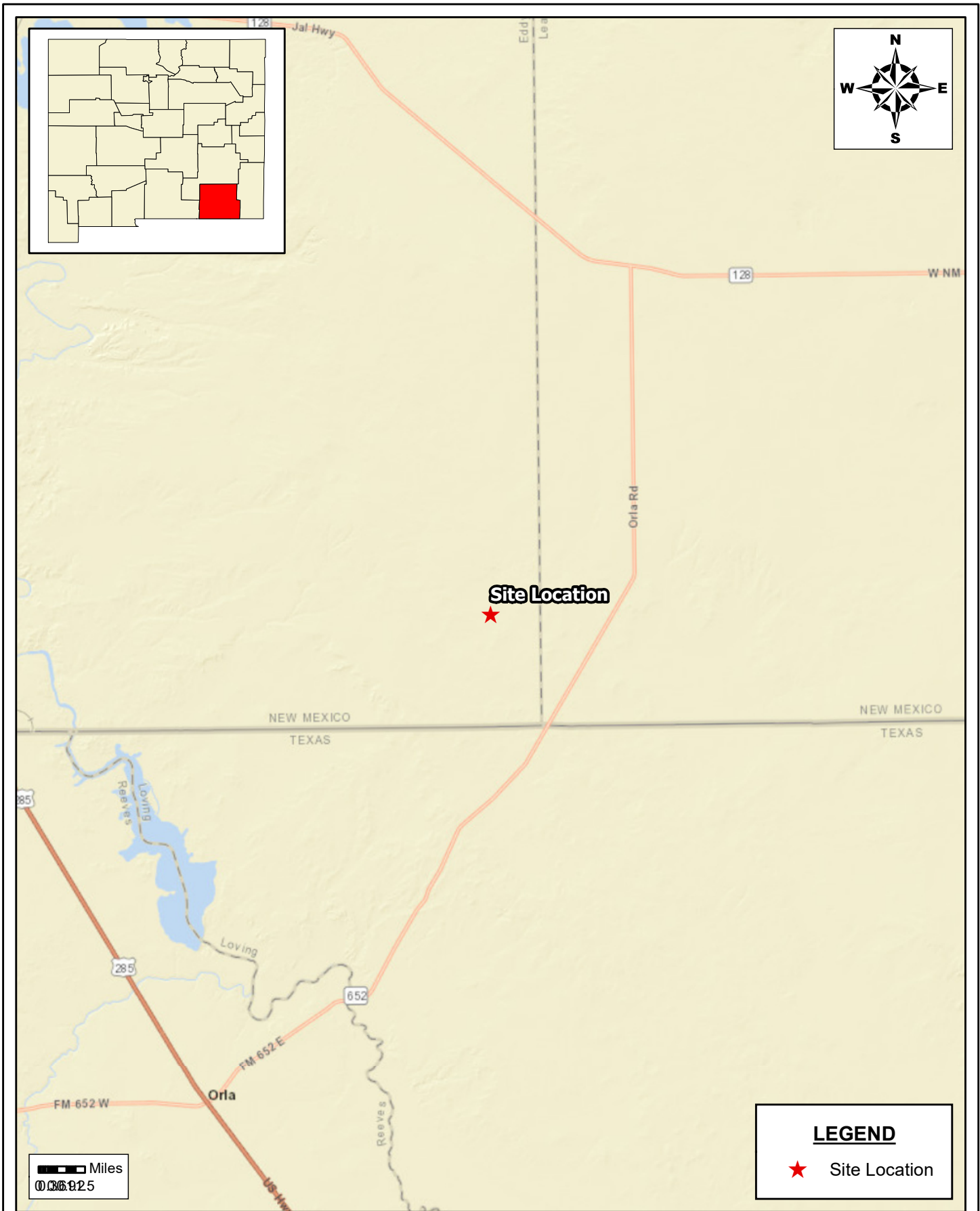
7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

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


FIGURES

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SITE LOCATION MAP
SITE CHARACTERIZATION AND REMEDIATION WORKPLAN
SHETLAND 11 CTB 1
DEVON ENERGY PRODUCTION COMPANY
EDDY COUNTY, NEW MEXICO

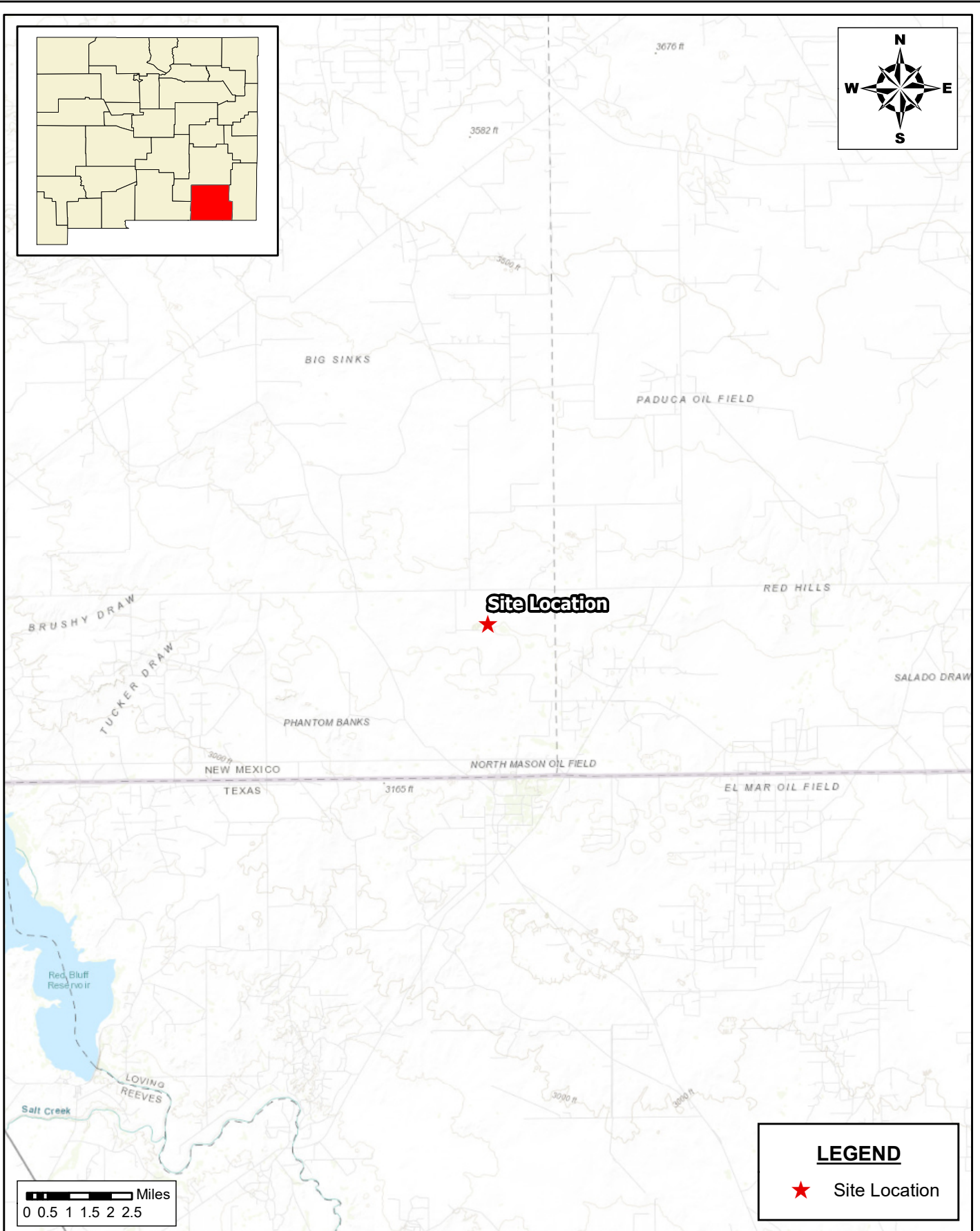
SCALE: As Shown Date: 8/26/2024 PROJECT #: 249027


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

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

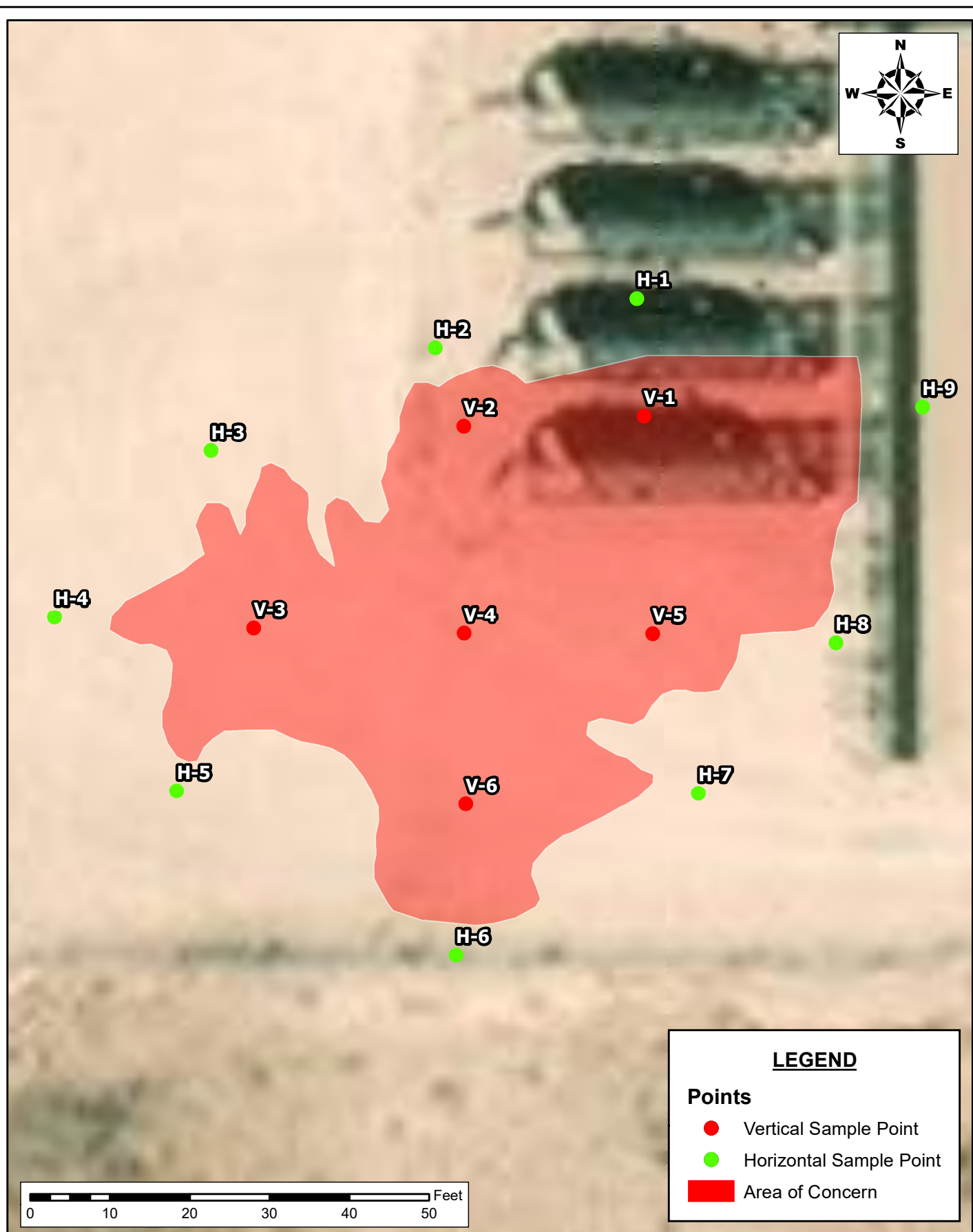
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FIGURE 1
SHEET NUMBER:
1 of 1

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<p>TOPOGRAPHIC MAP SITE CHARACTERIZATION AND REMEDIATION WORKPLAN SHETLAND 11 CTB 1 DEVON ENERGY PRODUCTION COMPANY EDDY COUNTY, NEW MEXICO</p>			<div><p>NTG ENVIRONMENTAL</p></div> <p>New Tech Global Environmental, LLC 911 Regional Park Drive Houston, Texas 77060 T - 281.872.9300 F - 281.872.4521 Web: www.ntgenviroinmental.com</p>	<p><u>NOTES:</u></p> <p>1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983</p>	DRAWING NUMBER:
					<p>FIGURE 2</p>
SCALE: As Shown	Date: 8/19/2024	PROJECT #: 249027	SHEET NUMBER:		<p>1 of 1</p>

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INITIAL ASSESSMENT MAP
SITE CHARACTERIZATION AND REMEDIATION WORKPLAN
SHETLAND 11 CTB 1
DEVON ENERGY PRODUCTION COMPANY
EDDY COUNTY, NEW MEXICO

SCALE: As Shown Date: 9/4/2024 PROJECT #: 249027

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NOTES:

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

DRAWING NUMBER:

FIGURE 3

SHEET NUMBER:

1 of 1






Proposed Excavation Map

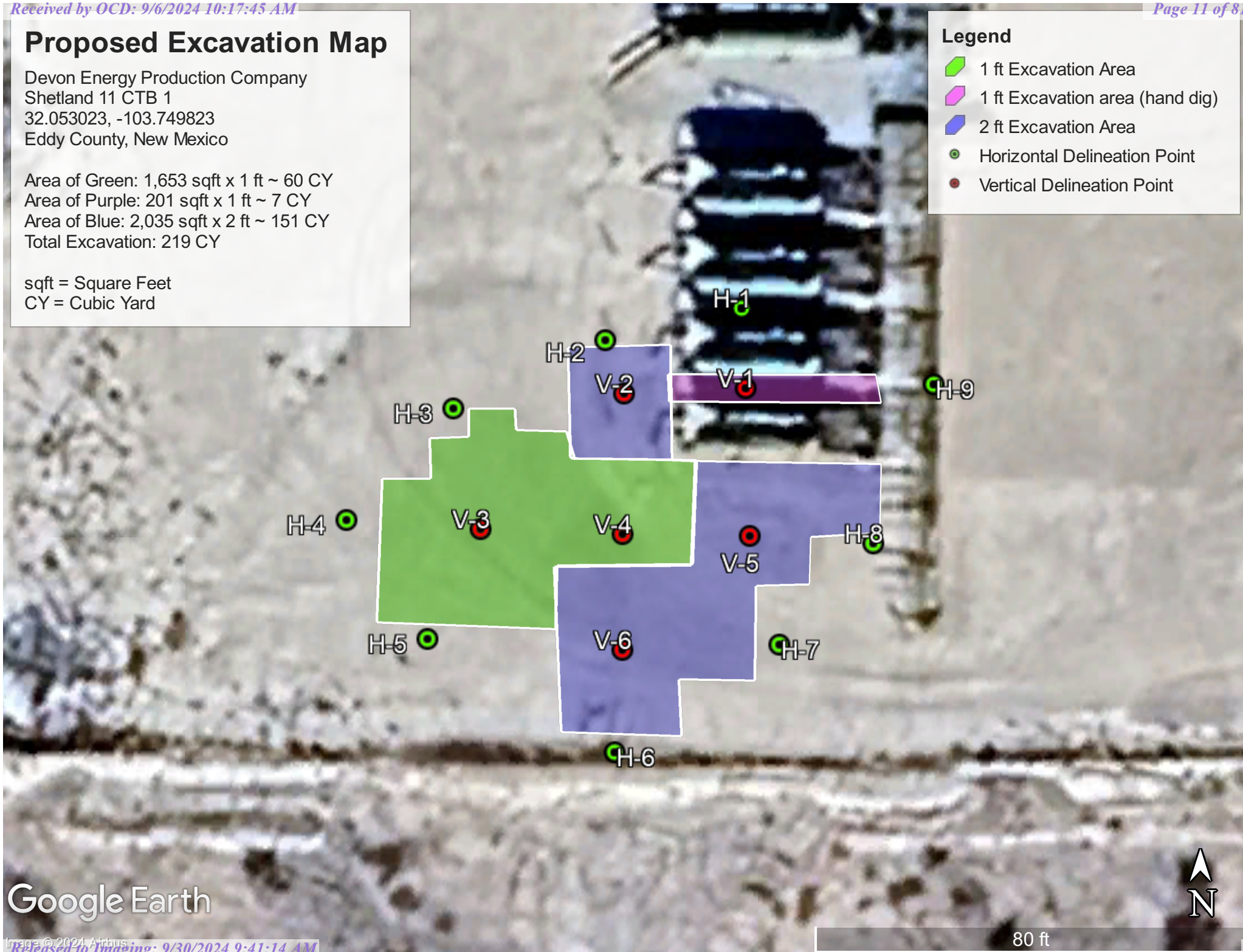
Devon Energy Production Company
Shetland 11 CTB 1
32.053023, -103.749823
Eddy County, New Mexico

Area of Green: 1,653 sqft x 1 ft ~ 60 CY
Area of Purple: 201 sqft x 1 ft ~ 7 CY
Area of Blue: 2,035 sqft x 2 ft ~ 151 CY
Total Excavation: 219 CY

sqft = Square Feet
CY = Cubic Yard

Legend

-  1 ft Excavation Area
-  1 ft Excavation area (hand dig)
-  2 ft Excavation Area
-  Horizontal Delineation Point
-  Vertical Delineation Point



Google Earth

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 1

Facility: Shetland 11 CTB 1

County: Eddy County, New Mexico

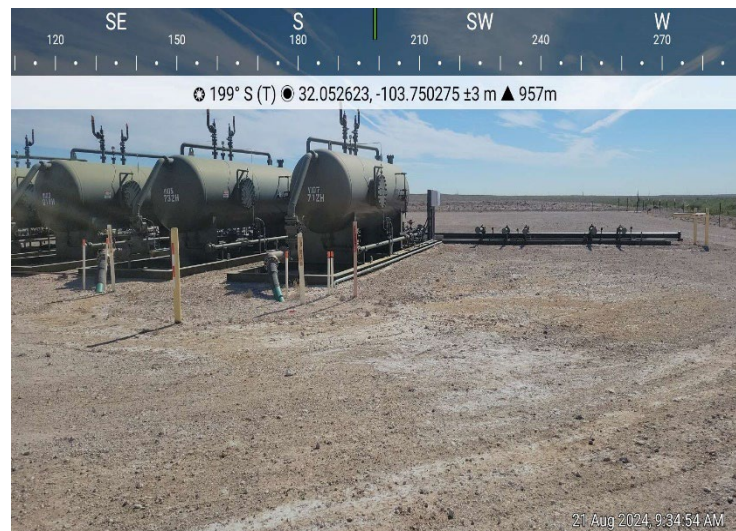
Description:
Area of Concern

**Photograph No. 2**

Facility: Shetland 11 CTB 1

County: Eddy County, New Mexico

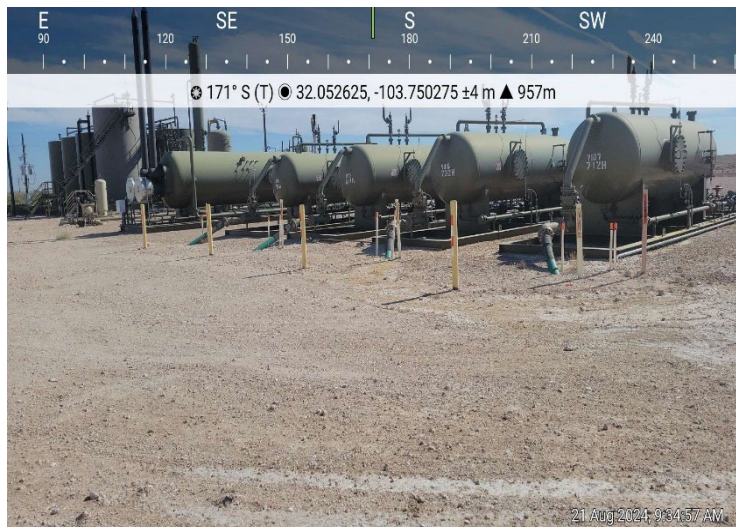
Description:
Area of Concern

**Photograph No. 3**

Facility: Shetland 11 CTB 1

County: Eddy County, New Mexico

Description:
Area of Concern



PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 4

Facility: Shetland 11 CTB 1

County: Eddy County, New Mexico

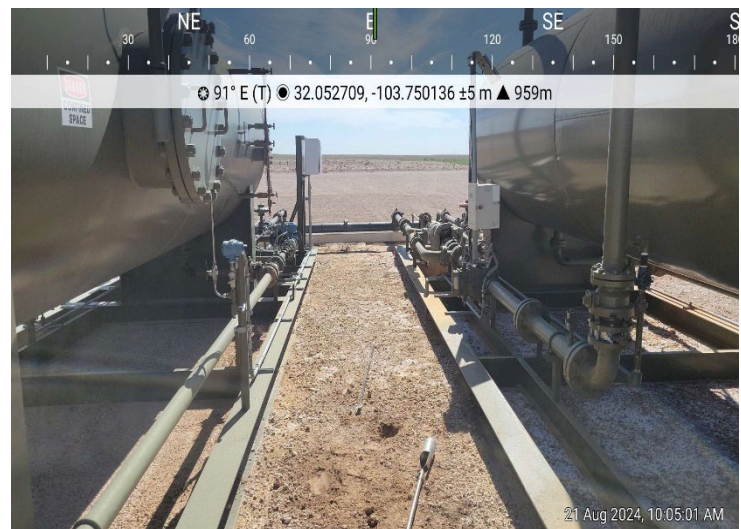
Description:
Area of Concern

**Photograph No. 5**

Facility: Shetland 11 CTB 1

County: Eddy County, New Mexico

Description:
Area of Concern



SITE CHARACTERIZATION INFORMATION

National Flood Hazard Layer FIRMette



103°45'18"W 32°3'26"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°44'41"W 32°2'56"N

Released to Imaging: 9/30/2024 9:41:14 AM

Basemap Imagery Source: USGS National Map 2023

Legend

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

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



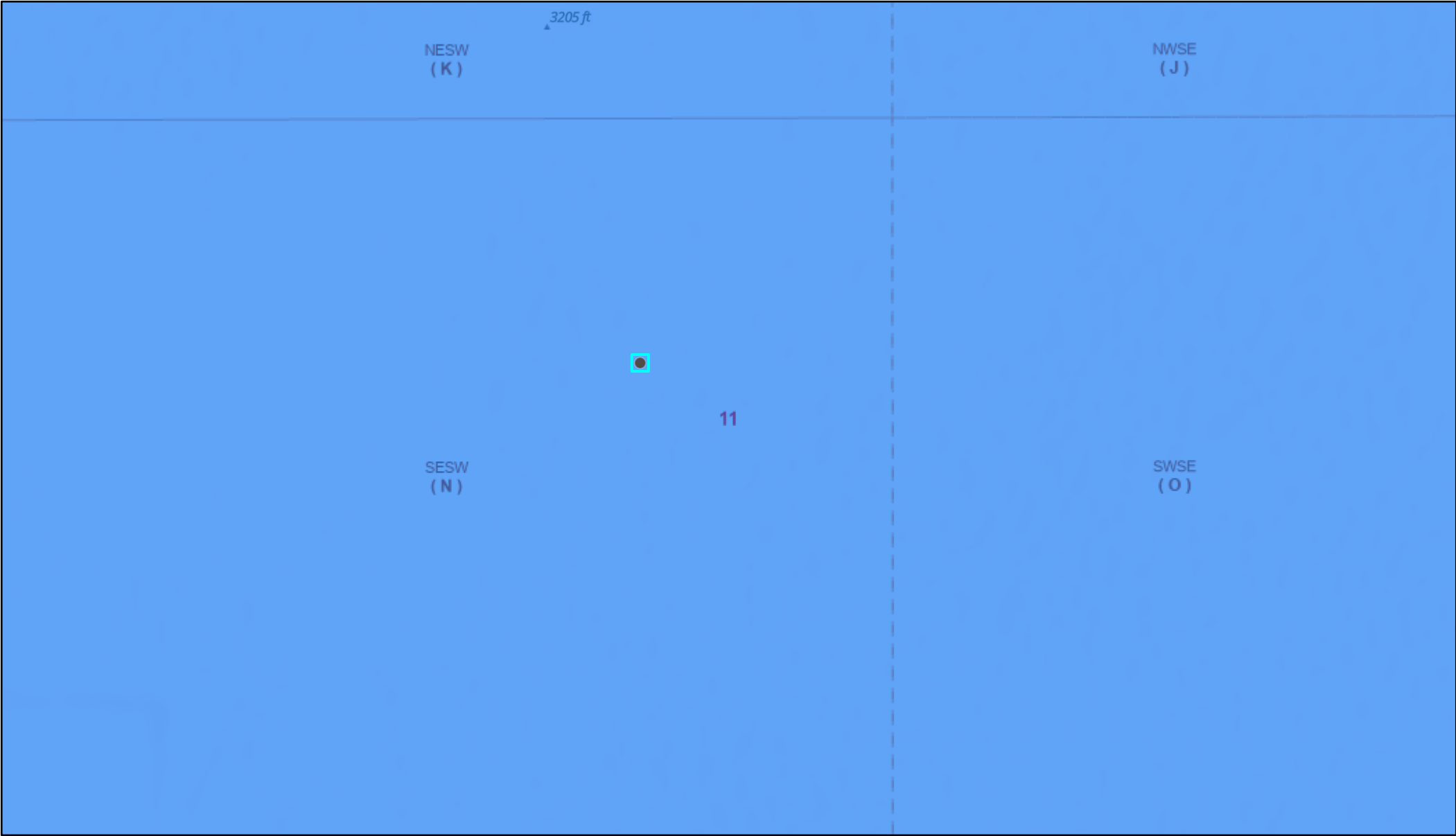
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/13/2024 at 12:49 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.

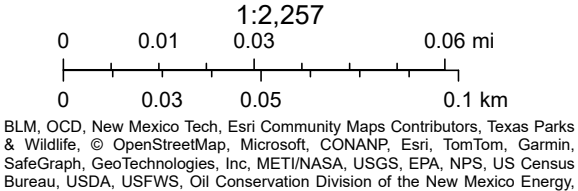
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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

Karst Potential Map



8/13/2024, 10:51:00 AM

Karst Occurrence Potential
Medium
PLSS Second Division
PLSS First Division



OSE POD Location Map

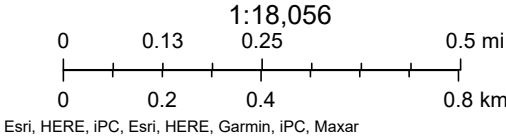


8/13/2024, 10:44:33 AM

- Override 1
- Pending
- OSE District Boundary
- Water Right Regulations
- Active
- Artesian Planning Area

GIS WATERS PODs

Released to Imaging: 9/30/2024 9:41:14 AM

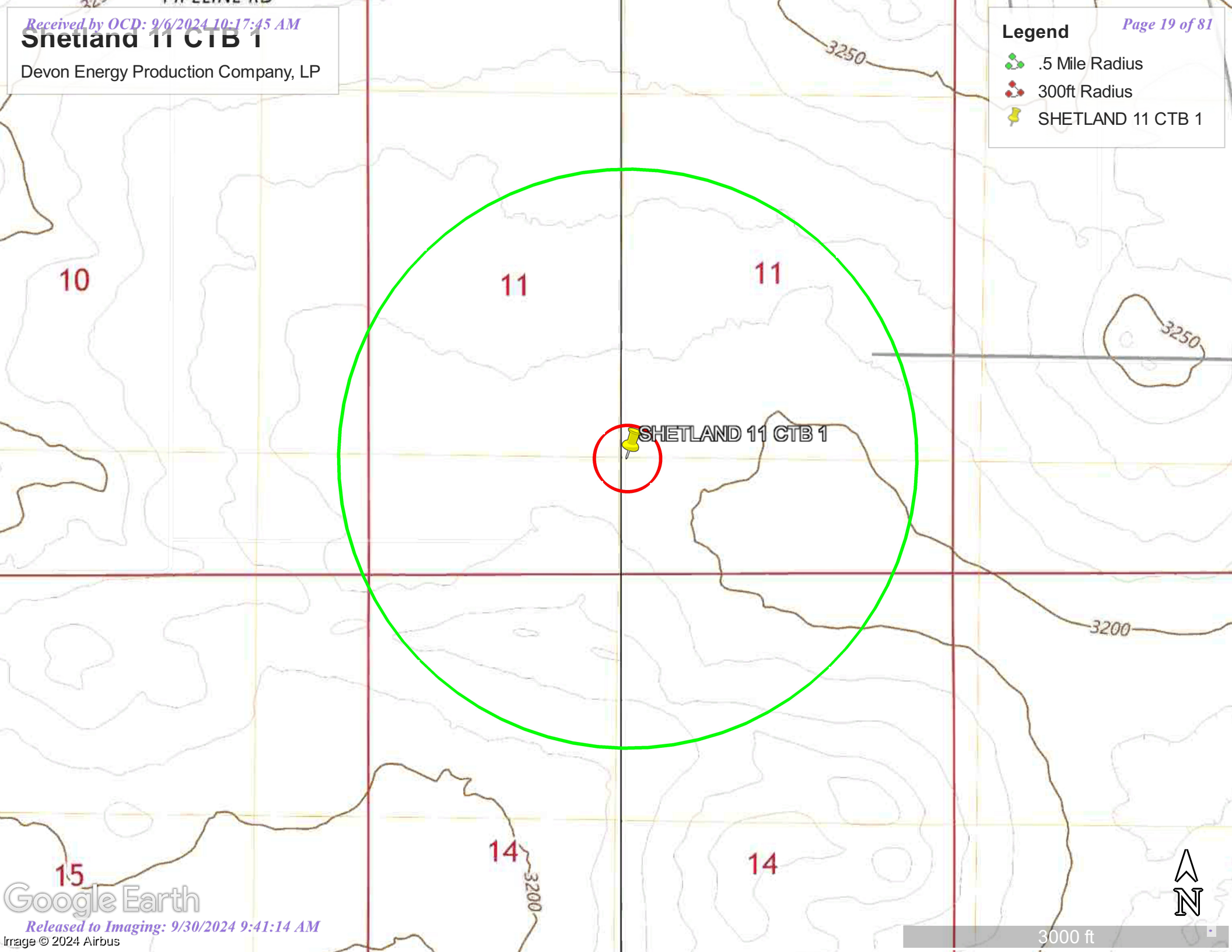


Shetland 11 CTB 1

Devon Energy Production Company, LP

Legend

-  .5 Mile Radius
-  300ft Radius
-  SHETLAND 11 CTB 1





U.S. Fish and Wildlife Service

National Wetlands Inventory

Wetlands Map



September 3, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest
NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
NA	C 04209 POD1	NE	SW	SW	06	26S	32E	620902.7	3548619.8	

* UTM location was derived from PLSS - see Help

Driller License:	1706	Driller Company:	ELITE DRILLERS CORPORATION
Driller Name:	BRYCE WALLACE		
Drill Start Date:	2018-04-28	Drill Finish Date:	2018-05-01
		Plug Date:	
Log File Date:	2018-05-21	PCW Rcv Date:	
		Source:	Shallow
Pump Type:		Pipe Discharge Size:	
		Estimated Yield:	25
Casing Size:	6.00	Depth Well:	360
		Depth Water:	155

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest
NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
NA	C 04637 POD1	SE	SE	SW	02	26S	31E	618067.5	3548423.6	

* UTM location was derived from PLSS - see Help

Driller License:	1249	Driller Company:	ATKINS ENGINEERING ASSOC. INC.
Driller Name:	JACKIE D. ATKINS		
Drill Start Date:	2022-06-15	Drill Finish Date:	2022-06-15
		Plug Date:	2022-07-19
Log File Date:	2022-08-08	PCW Rcv Date:	
		Source:	
Pump Type:		Pipe Discharge Size:	
		Estimated Yield:	0
Casing Size:		Depth Well:	51
		Depth Water:	

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE

quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
214CC	C 04801 POD1	NW	NE	SE	13	26S	31E	620283.6	3545858.5	

* UTM location was derived from PLSS - see Help

Driller License:	1058	Driller Company:	KEY'S DRILLING & PUMP SERVICE	
Driller Name:	GARY KEY			
Drill Start Date:	2024-05-29	Drill Finish Date:	2024-05-31	Plug Date:
Log File Date:	2024-06-26	PCW Rcv Date:		Source: Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield: 10
Casing Size:	4.50	Depth Well:	280	Depth Water: 225

LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS



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

August 26, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SHETLAND 11 CTB 1

Enclosed are the results of analyses for samples received by the laboratory on 08/21/24 14:05.

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 "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 1 (0-6) (H245093-01)

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	08/23/2024	ND	1.98	99.0	2.00	2.15	
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37	
Total BTEx	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 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	1580	16.0	08/23/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	219	109	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	213	107	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 1 1-1.5 (H245093-02)

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 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	1710	16.0	08/23/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	219	109	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	213	107	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 1 2-2.5 (H245093-03)

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	08/23/2024	ND	1.98	99.0	2.00	2.15	
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 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	3200	16.0	08/23/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	219	109	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	213	107	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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*=Accredited Analyte

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 1 3-3.5 (H245093-04)

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 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	2440	16.0	08/23/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	219	109	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	213	107	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 1 4-4.5 (H245093-05)

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	08/23/2024	ND	1.98	99.0	2.00	2.15	
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 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	2280	16.0	08/23/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	219	109	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	213	107	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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*=Accredited Analyte

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 2 0-6 (H245093-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 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	3440	16.0	08/23/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	219	109	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	213	107	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 2 1-1.5 (H245093-07)

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 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	1360	16.0	08/23/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	219	109	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	213	107	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 2 2-2.5 (H245093-08)

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 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	304	16.0	08/23/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 2 3-3.5 (H245093-09)

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 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	64.0	16.0	08/23/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 2 4-4.5 (H245093-10)

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 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	144	16.0	08/23/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 3 0-6 (H245093-11)

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 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	7680	16.0	08/23/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 107 % 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 3 1-1.5 (H245093-12)

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 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	128	16.0	08/23/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 105 % 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 3 2-2.5 (H245093-13)

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 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	48.0	16.0	08/23/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 3 3-3.5 (H245093-14)

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	08/23/2024	ND	1.98	99.0	2.00	2.15	
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 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	16.0	16.0	08/23/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 3 4-4.5 (H245093-15)

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 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	80.0	16.0	08/23/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 4 0-6 (H245093-16)

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 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	6000	16.0	08/23/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 4 1-1.5 (H245093-17)

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEx	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	08/23/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 4 2-2.5 (H245093-18)

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 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	48.0	16.0	08/23/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 4 3-3.5 (H245093-19)

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 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	128	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 4 4-4.5 (H245093-20)

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 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	128	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 5 0-6 (H245093-21)

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	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	18800	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 5 1-1.5 (H245093-22)

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	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	704	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 5 2-2.5 (H245093-23)

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	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEX	<0.300	0.300	08/23/2024	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	336	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 5 3-3.5 (H245093-24)

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	08/23/2024	ND	2.16	108	2.00	0.919	
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34	
Total BTEx	<0.300	0.300	08/23/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 5 4-4.5 (H245093-25)

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	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEX	<0.300	0.300	08/23/2024	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	256	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 6 0-6 (H245093-26)

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	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEx	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	15200	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 6 1-1.5 (H245093-27)

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	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	1440	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 6 2-2.5 (H245093-28)

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	08/23/2024	ND	2.16	108	2.00	0.919	
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	400	16.0	08/23/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 96.5 % 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 6 3-3.5 (H245093-29)

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	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	160	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: V - 6 4-4.5 (H245093-30)

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	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	352	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: H - 1 0-6 (H245093-31)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTX	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 73.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.2 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: H - 2 0-6 (H245093-32)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.16	108	2.00	0.919	
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	16.0	16.0	08/23/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: H - 3 0-6 (H245093-33)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.16	108	2.00	0.919	
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	16.0	16.0	08/23/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 78.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: H - 4 0-6 (H245093-34)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	80.0	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: H - 5 0-6 (H245093-35)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.16	108	2.00	0.919	
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	16.0	16.0	08/23/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 68.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.8 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: H - 6 0-6 (H245093-36)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	32.0	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: H - 7 0-6 (H245093-37)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	32.0	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: H - 8 0-6 (H245093-38)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTX	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 73.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.6 % 49.1-148

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Mike Snyder For 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: H - 9 0-6 (H245093-39)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.16	108	2.00	0.919	
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34	
Total BTX	<0.300	0.300	08/23/2024	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	16.0	16.0	08/23/2024	ND	432	108	400	3.77		

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	08/23/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

Mike Snyder For 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

Company Name:

NTGE

Project Manager:

Ethan Seesums

Address:

209 West McKay St

City:

Carlsbad

State:

NM

Zip:

88220

Phone #:

Fax #:

Project #:

249027

Project Owner:

Devon

Project Name:

Shetland II CTB 1

Project Location:

Eddy County

Sampler Name:

Claydon Turnes

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

1245003

V-1 (6-0)

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

8/21

DATE

TIME

8/21

DATE

TIME

8/21

DATE

TIME

8/21

DATE

TIME

8/21

DATE

TIME

8/21

DATE

TIME

8/21

DATE

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8/21

DATE

TIME

8/21

DATE

TIME

8/21

DATE

TIME

8/21

DATE

TIME

8/21

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Relinquished By:

Date:

8/21/24

Received By:

ADP

Relinquished By:

Date:

8/21/24

Received By:

ADP

Delivered By: (Circle One)

Observed Temp. °C

-0.1°C

Sample Condition

Cool Intact

Yes

No

Checked By:

ADP

Turnaround Time:

Standard

Rush

Yes

No

Bacteria (only)

Cool Intact

Yes

No

Sample Condition

Observed Temp. °C

Corrected Temp. °C

Corrected Temp. °C

Corrected Temp. °C

Corrected Temp. °C

Corrected Temp. °C

Corrected Temp. °C

Corrected Temp. °C

Corrected Temp. °C

Corrected Temp. °C

Corrected Temp. °C

Corrected Temp. °C

Corrected Temp. °C

Corrected Temp. °C

Corrected Temp. °C



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: UTGE		BILL TO		ANALYSIS REQUEST																							
Project Manager: Ethan Sessions		P.O. #: 213836836																									
Address: 209 West McKay St		Company: DEVON																									
City: Carlsbad		Attn:																									
State: NM		Address:																									
Zip: 88220																											
Phone #:																											
Fax #:																											
Project #: 249027		Project Owner: Devon																									
Project Name: Shetland 11 CTB 1		City:																									
Project Location: Eddy County		State:																									
Sampler Name: Clayton Ruess		Phone #:																									
Fax #:																											
FOR LAB USE ONLY																											
Lab I.D. 17245093		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		MATRIX		PRESERV.		SAMPLING		DATE		TIME		BTEx		TPH		Chloride	
11		0-6		6		1		X										8/21									
12		1-1.5																									
13		2-2.5																									
14		3-3.5																									
15		4-4.5																									
16		1-1.5																									
17		2-2.5																									
18		3-3.5																									
19		4-4.5																									
20																											
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusivity for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																											
Relinquished By:		Date: 8/21/24		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Add'l Phone #:		All Results are emailed. Please provide Email address:																			
Relinquished By:		Time: 1405		Received By:		REMARKS:																					
Delivered By: (Circle One)		Observed Temp. °C: -0.1°C		Sample Condition		CHECKED BY: (Initials)																					
Sampler - UPS - Bus - Other:		Corrected Temp. °C: -0.7°C		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																							
FORM 000-RT-3-0000024				Turnaround Time:		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>																					
				Thermometer ID #140		Bacteria (only) Sample Condition																					
				Correction Factor -0.6°C		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No																					
						Observed Temp. °C																					
						Corrected Temp. °C																					

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NT&E		BILL TO		ANALYSIS REQUEST	
Project Manager: Ethan Jessiman		P.O. #: 21383836			
Address: 209 West McKinley St		Company: Devon			
City: Carlsbad		Attn:			
State: NM		Address:			
Zip: 88220		City:			
Phone #:		State:			
Fax #:		Zip:			
Project #: 249027		Project Owner: Devon			
Project Name: Shepherd 11 CIB 1		City:			
Project Location: Eddy County		State:			
Sample Name: Eddy County		Phone #:			
FOR LAB USE ONLY		Fax #:			
Lab I.D. 1145093		Sample I.D.			
21		U-5		0-6	
22		U-5		1-1.5	
23		U-5		2-2.5	
24		U-5		3-3.5	
25		U-5		4-4.5	
26		U-5		5-5.5	
27		U-5		6-6.5	
28		U-5		7-7.5	
29		U-5		8-8.5	
30		U-5		9-9.5	
		U-5		10-10.5	
		U-5		11-11.5	
		U-5		12-12.5	
		U-5		13-13.5	
		U-5		14-14.5	
		U-5		15-15.5	
		U-5		16-16.5	
		U-5		17-17.5	
		U-5		18-18.5	
		U-5		19-19.5	
		U-5		20-20.5	
		U-5		21-21.5	
		U-5		22-22.5	
		U-5		23-23.5	
		U-5		24-24.5	
		U-5		25-25.5	
		U-5		26-26.5	
		U-5		27-27.5	
		U-5		28-28.5	
		U-5		29-29.5	
		U-5		30-30.5	
		U-5		31-31.5	
		U-5		32-32.5	
		U-5		33-33.5	
		U-5		34-34.5	
		U-5		35-35.5	
		U-5		36-36.5	
		U-5		37-37.5	
		U-5		38-38.5	
		U-5		39-39.5	
		U-5		40-40.5	
		U-5		41-41.5	
		U-5		42-42.5	
		U-5		43-43.5	
		U-5		44-44.5	
		U-5		45-45.5	
		U-5		46-46.5	
		U-5		47-47.5	
		U-5		48-48.5	
		U-5		49-49.5	
		U-5		50-50.5	
		U-5		51-51.5	
		U-5		52-52.5	
		U-5		53-53.5	
		U-5		54-54.5	
		U-5		55-55.5	
		U-5		56-56.5	
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		U-5		58-58.5	
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		U-5		61-61.5	
		U-5		62-62.5	
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		U-5		65-65.5	
		U-5		66-66.5	
		U-5		67-67.5	
		U-5		68-68.5	
		U-5		69-69.5	
		U-5		70-70.5	
		U-5		71-71.5	
		U-5		72-72.5	
		U-5		73-73.5	
		U-5		74-74.5	
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		U-5		111-111.5	
		U-5		112-112.5	
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		U-5		243-243.5	
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		U-5		248-248.5	
		U-5		249-249.5	
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		U-5		251-251.5	
		U-5		252-252.5	
		U-5		253-253.5	
		U-5		254-254.5	
		U-5		255-255.5	
		U-5		256-256.5	
		U-5		257-257.5	
		U-5		258-258.5	
		U-5		259-259.5	
		U-5		260-260.5	
		U-5		261-261.5	
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		U-5		269-269.5	
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		U-5		271-271.5	
		U-5		272-272.5	
		U-5		273-273.5	
		U-5		274-274.5	
		U-5		275-275.5	
		U-5		276-276.5	
		U-5		277-277.5	
		U-5		278-278.5	
		U-5		279-279.5	
		U-5		280-280.5	
		U-5		281-281.5	
		U-5		282-282.5	
		U-5		283-283.5	
		U-5		284-284.5	
		U-5		285-285.5	
		U-5		286-286.5	
		U-5		287-287.5	
		U-5		288-288.5	
		U-5		289-289.5	
		U-5		290-290.5	
		U-5		291-291.5	
		U-5		292-292.5	
		U-5		293-293.5	
		U-5		294-294.5	
		U-5		295-295.5	
		U-5		296-296.5	
		U-5		297-297.5	
		U-5		298-298.5	
		U-5		299-299.5	
		U-5		300-300.5	
		U-5			



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BTEX		BILL TO		ANALYSIS REQUEST	
Project Manager: Ethan Sessions		P.O. #: 2138-026			
Address: 209 West McKay St		Company: Devon			
City: Carlsbad		Attn:			
State: NM		Address:			
Zip: 88220		City:			
Phone #:		State:			
Fax #:		Zip:			
Project #: 249027		Project Owner: Devon			
Project Name: Sheffand II CTB		City:			
Project Location: Eddy County		State:			
Sampler Name: Clayton Thomas		Phone #:			
FOR LAB USE ONLY		Fax #:			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.		DATE	TIME
		# CONTAINERS			
1245023 31 32 33 34 35 36 37 38 39 40	H-1 H-2 H-3 H-4 H-5 H-6 H-7 H-8 H-9 H-10	GROUNDWATER		8/21	BTEX TPH Chloride
		WASTEWATER			
		SOIL			
		OIL			
		SLUDGE			
		OTHER :			
		ACID/BASE:			
		ICE / COOL			
		OTHER :			
		MATRIX			
Observed Temp. °C		Corrected Temp. °C		Sample Condition	
-0.1°C		-0.1°C		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	
Delivered By: (Circle One)		Observed Temp. °C		Corrected Temp. °C	
Sampler - UPS - Bus - Other:		-0.1°C		-0.1°C	
Port #: 133060724		Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com			



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

September 03, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SHETLAND 11 CTB 1

Enclosed are the results of analyses for samples received by the laboratory on 08/27/24 12:35.

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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

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: 08/27/2024
 Reported: 09/03/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/27/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 1 (5-5.5') (H245204-01)

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	08/29/2024	ND	2.21	111	2.00	2.31	
Toluene*	<0.050	0.050	08/29/2024	ND	2.02	101	2.00	3.11	
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.13	106	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/29/2024	ND	6.65	111	6.00	3.90	
Total BTEX	<0.300	0.300	08/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	2040	16.0	08/28/2024	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	08/29/2024	ND	195	97.5	200	1.16	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	193	96.7	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 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: 08/27/2024
 Reported: 09/03/2024
 Project Name: SHETLAND 11 CTB 1
 Project Number: 249027
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/27/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 1 (6-6.5') (H245204-02)

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	08/29/2024	ND	2.21	111	2.00	2.31		
Toluene*	<0.050	0.050	08/29/2024	ND	2.02	101	2.00	3.11		
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.13	106	2.00	4.02		
Total Xylenes*	<0.150	0.150	08/29/2024	ND	6.65	111	6.00	3.90		
Total BTEx	<0.300	0.300	08/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/28/2024	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	08/29/2024	ND	195	97.5	200	1.16	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	193	96.7	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 68.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.4 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- 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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTGE		BILL TO		ANALYSIS REQUEST																										
Project Manager: Ethan Sessions		P.O. # 21383836																												
Address: 209 West McKay St		Company: Devon																												
City: Carlsbad		Attn:																												
State: NM		Address:																												
Zip: 88220		City:																												
Phone #:		State:																												
Fax #:		Zip:																												
Project #:		Phone #:																												
Project Name: Shetland II CTBI		Fax #:																												
Project Location: Eddy Co																														
Sampler Name: Clayton																														
FOR LAB USE ONLY																														
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.	SAMPLING																						
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME																
H945204	V-1 (5-5.5)		6			X							8/27		X	TPH	X	BTEX	X	Chloride	X									
2	V-1 (6-6.5)		1			X							8/27		X															
<small>LEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits, incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																														
Relinquished By: [Signature]		Date: 8/27		Received By: Stedionney		Time: 12:35		Received By:																						
Date:		Time:		Date:		Time:																								
Delivered By: (Circle One)		Observed Temp. °C 0.00		Sample Condition		CHECKED BY: SE																								
Sampler - UPS - Bus - Other:		Corrected Temp. °C 0.00		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																										
Turnaround Time:		Thermometer ID #140		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Bacteria (only) Sample Condition																								
		Correction Factor -0.6°C				Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No																								
						Observed Temp. °C																								
						Corrected Temp. °C																								

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

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QUESTIONS

Action 381242

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 381242
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2421847577
Incident Name	NAPP2421847577 SHETLAND 11 CTB 1 @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Facility	[fAPP2123649550] SHETLAND 11 CTB 1

Location of Release Source	
Please answer all the questions in this group.	
Site Name	SHETLAND 11 CTB 1
Date Release Discovered	08/05/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Valve Produced Water Released: 29 BBL Recovered: 20 BBL Lost: 9 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)	Ball valve washed out on water leg. 29 bbls estimated released onto pad. 20 bbls recovered

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QUESTIONS, Page 2

Action 381242

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	381242
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmv.com Date: 09/06/2024
--	--

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QUESTIONS, Page 3

Action 381242

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 381242
	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	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	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	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	18800
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<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	09/22/2024
On what date will (or did) the final sampling or liner inspection occur	10/12/2024
On what date will (or was) the remediation complete(d)	10/29/2024
What is the estimated surface area (in square feet) that will be reclaimed	3889
What is the estimated volume (in cubic yards) that will be reclaimed	219
What is the estimated surface area (in square feet) that will be remediated	3889
What is the estimated volume (in cubic yards) that will be remediated	219
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 381242

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 381242
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	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.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 09/06/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 381242

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 381242
	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 381242

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 381242
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	374924
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/21/2024
What was the (estimated) number of samples that were to be gathered	44
What was the sampling surface area in square feet	3854

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

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CONDITIONS

Action 381242

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 381242
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvelez	The remediation plan is approved as written. Devon Energy has 90-days (December 30, 2024) to submit to OCD its appropriate or final remediation closure report.	9/30/2024