



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

August 2, 2024

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

**Re:   Deferral Request  
      Cobber 21 CTB 2  
      Devon Energy Production Company  
      Unit C, Section 21, Township 26S, Range 34E  
      Site Coordinates: 32.033133, -103.47621  
      Lea County, New Mexico  
      Incident ID: nAPP2411643477**

Mr. Bratcher:

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this Site Characterization and Remediation Deferral Request for submittal to the New Mexico Oil Conservation Division (NMCOD) District 2 Office in Artesia, New Mexico to document site assessment, proposed remedial action activities, and sample analysis results for the Cobber 21 CTB 2 (Site). The Site is located in Unit Letter C, Section 21, of Township 26 South and Range 34 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.033133° N latitude and 103.47621° 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 initial C-141 obtained from the NMOCOD, the release was discovered on April 24, 2024. The release was due to equipment failure resulting in the release of approximately six (6) barrels (bbls) of produced water of which five (5) were recovered for a net loss of one (1) bbls of produced water. Upon discovery, the equipment was shut-in, and the area secured. The release areas are shown in Figure 3.

### **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. No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or distance from the Site. According to the Karst Potential Map, the site is located within a Low Karst area. The Site characterization documentation (Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) are attached to this report.

Mr. Mike Bratcher  
August 2, 2024  
Page 2 of 4

### **Regulatory Criteria**

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

*General Site Characterization and Groundwater:*

Site Characterization	Average Groundwater Depth (ft)
Low Karst	Unknown

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

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	TPH (GRO+MRO)	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					

### **Site Assessment**

On May 22, 2024, NTGE conducted site assessment activities to assess the extent of impacts at the Site. Three (3) vertical sample points (V-1 through V-3) were installed within the release area, while six (6) horizontal sample points (H-1 through H-6) 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) foot (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 sample 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 exceed NMOC regulatory limits in the area of V-1 through V-3 to a depth of three and half (3.5) ft bgs. All other analytes were below NMOC standards.

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.

### **Remedial Action Activities and Confirmation Sampling**

Based on the analytical results, Devon proceeded with the remedial actions at the Site to include the excavation and disposal of impacted soils above the regulatory limits. The release area was excavated to a depth of four (4) ft bgs in the areas of V-1 through V-3.

On July 17, 2024, a total of five (5) composite confirmation samples were collected from the excavation base (i.e., CS-1 through CS-5) and five (5) sidewall composite confirmation samples were collected

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

(i.e., SW-1 through SW-5) to ensure impacted soil was removed.

Analytical results indicated that multiple composite confirmation excavation base and side wall samples (i.e., CS-2, CS-3, CS-4, CS-5, SW-1, SW-2, SW-3, SW-4 and SW-5) were above NMOCD regulatory criterion for chloride concentrations.

As a result, Devon proceeded with the further excavation of impacted areas. On July 24, 2024, NTGE collected a total of one (1) additional confirmation samples from the excavation sidewall (i.e., SW-1A) to ensure impacted soil was removed.

Analytical results indicated all samples were below NMOCD regulatory criterion for the Site, excluding CS-2, CS-3, CS-4, CS-5, SW-2, SW-3, SW-4, and SW-5 which were unable to be excavated further due to facility infrastructure. The final excavation extent and confirmation sample locations are shown in Figure 4. Analytical results of the confirmation samples are included in Table 2.

Soil samples were placed directly into laboratory provided sample containers, placed on ice, and transported under proper chain-of-custody protocol to the lab. The confirmation samples collected represent an area no greater than 200 square feet and were analyzed for BTEX (EPA Method 8021B), TPH (EPA method 8015 modified), and chloride (method SM4500Cl-B). Laboratory reports containing analytical methods and chain-of-custody documents are attached.

### **Deferral Sampling**

On June 26, 2024, NTGE installed two (2) vertical deferral sample points (i.e., DS-1 and DS-2) at depths ranging from four and a half (4.5) to six and a half (6.5) ft bgs with a geotechnical hand auger to characterize the impacts that couldn't be reached due to facility infrastructure. Analytical results showed DS-1 and DS-2 were below NMOCD Standards at six and a half (6.5) ft bgs.

Laboratory results of these samples are presented in Table 2 and their locations are shown in Figure 5.

Soil samples were placed directly into laboratory provided sample containers, placed on ice, and transported under proper chain-of-custody protocol to the lab. The deferral samples were analyzed for BTEX, TPH, and chloride. Laboratory reports containing analytical methods and chain-of-custody documents are attached.

### **Deferral Request**

Devon personnel have expressed that the excavation areas of CS-2, CS-3, CS-4, CS-5, SW-2, SW-3, SW-4, and SW-5 cannot be expanded vertically or horizontally due to the presence of facility infrastructure (i.e., separators) in and around the excavation and the associated safety concerns in further encroaching the infrastructure. The infrastructure in and around the excavation is shown on Figure 5.

On behalf of Devon, NTG Environmental formally requests a deferral to address the remaining soil impacts) at the time of facility decommissioning or in the event infrastructure modifications are made in the area that would alleviate the safety concerns, whichever is sooner. Should the deferral request be granted, a remedial action report documenting excavation expansion and confirmation sampling activities will be prepared and filed following completion of the further actions to be completed at a future date.

If you have any questions regarding this report or need additional information, please contact us at 432-701-2159.

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NTGE Project No.: 248661



Mr. Mike Bratcher  
August 2, 2024  
Page 4 of 4

Sincerely,  
**NTG Environmental**



Ethan Sessums  
Project Manager



Jillian Smiley  
Staff Scientist - Botanist

Attachments:

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



## **SITE CHARACTERIZATION INFORMATION**

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# National Flood Hazard Layer FIRMette



103°28'53"W 32°2'15"N



1:6,000

103°28'16"W 32°1'44"N

## Legend

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

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



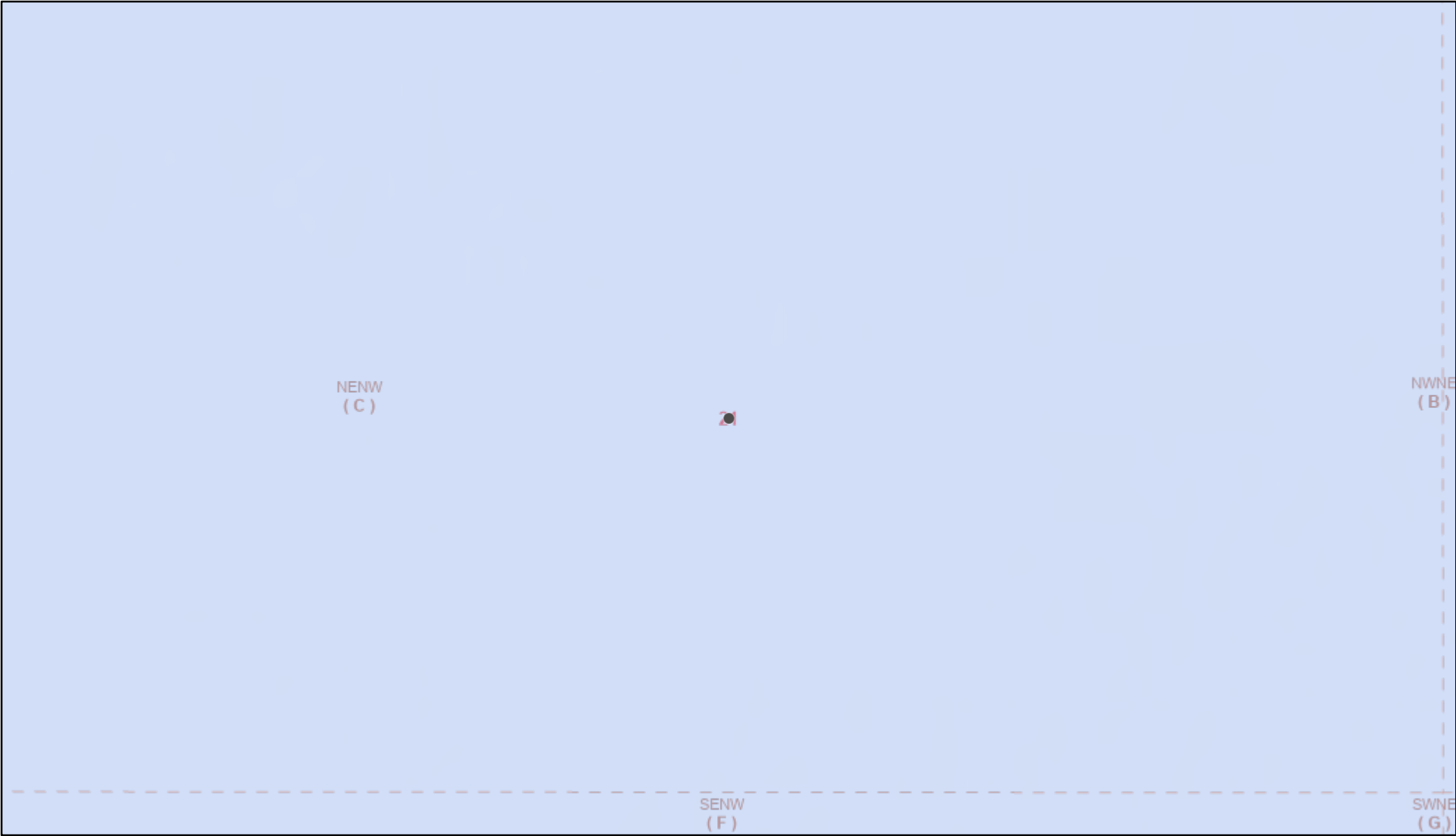
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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 4/26/2024 at 1:16 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



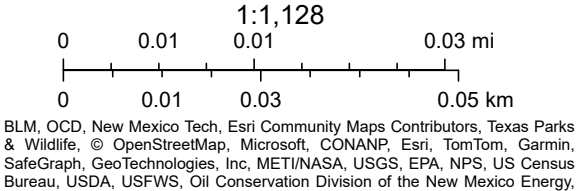
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Karst Occurrence Potential

Low

PLSS Second Division

PLSS First Division










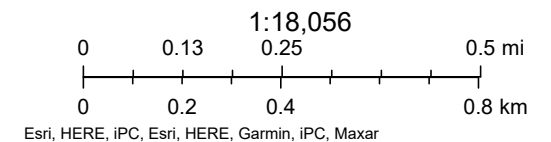


# OSE POD Location Map



4/26/2024, 12:20:09 PM




- |   |   |   |  |
|---|---|---|--|
|  Override 1 |  OSE District Boundary | New Mexico State Trust Lands  | NHD Flowlines  |
| GIS WATERS PODs   | Water Right Regulations   |  Subsurface Estate |  Stream River |
|  Active    |  Closure Area          |  Both Estates      |  |

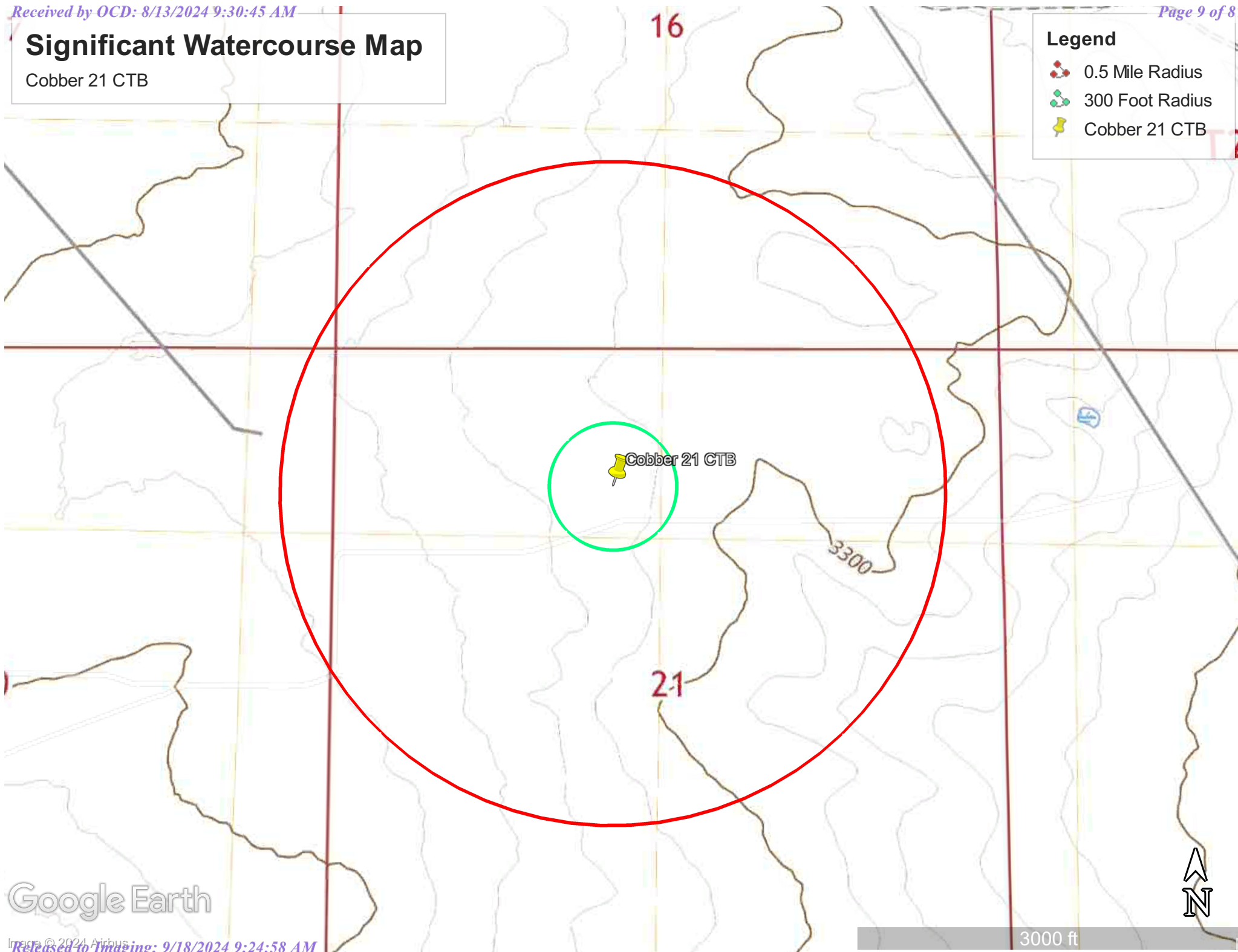


# Significant Watercourse Map

Cobber 21 CTB

## Legend

-  0.5 Mile Radius
-  300 Foot Radius
-  Cobber 21 CTB



Google Earth










## Wetlands Map






April 26, 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.

## **TABLES**

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**Table 1**  
**Summary of Soil Analytical Data - Delineation Samples**  
**Cobber 21 CTB 2**  
**Devon Energy Production Company**  
**Lea County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			Table I Closure Criteria for Soil 0-50 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	05/22/24	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,200
	05/22/24	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,400
	05/22/24	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,160
	05/22/24	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,880
	05/22/24	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
V-2	05/22/24	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,800
	05/22/24	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,360
	05/22/24	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,480
	05/22/24	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,380
	05/22/24	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
V-3	05/22/24	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,480
	05/22/24	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,280
	05/22/24	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,250
	05/22/24	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
Horizontal Delineation Samples													
H-1	05/22/24	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
H-2	05/22/24	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
H-3	05/22/24	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	05/22/24	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
H-5	05/22/24	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-6	05/22/24	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0

1. Values reported in mg/kg

2. &lt; = 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

**Table 2**  
**Summary of Soil Analytical Data - Confirmation Samples**  
**Cobber 21 CTB 2**  
**Devon Energy Production Company**  
**Lea County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
Base Confirmation Samples													
CS-1	07/17/24	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS-2	07/17/24	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,280
CS-3	07/17/24	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,440
CS-4	07/17/24	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,520
CS-5	07/17/24	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	17,000
Sidewall Confirmation Samples													
SW-1	07/17/24	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,480
SW-1A	07/24/24	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW-2	07/17/24	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	704
SW-3	07/17/24	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	21,200
SW-4	07/17/24	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	688
SW-5	07/17/24	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,320
Deferral Samples													
DS-1	07/25/24	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,900
	07/25/24	5-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,070
	07/25/24	6-6.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
DS-2	07/25/24	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,600
	07/25/24	5-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,470
	07/25/24	6-6.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336

1. Values reported in mg/kg

2. &lt; = Value Less Than Reporting Limit (RL)

3. Bold indicates Analyte Detected

4. BTEX analyses by EPA Method SW 8021B

5. TPH analyses by EPA Method SW 8015 Mod.

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

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9. --- Not Analyzed

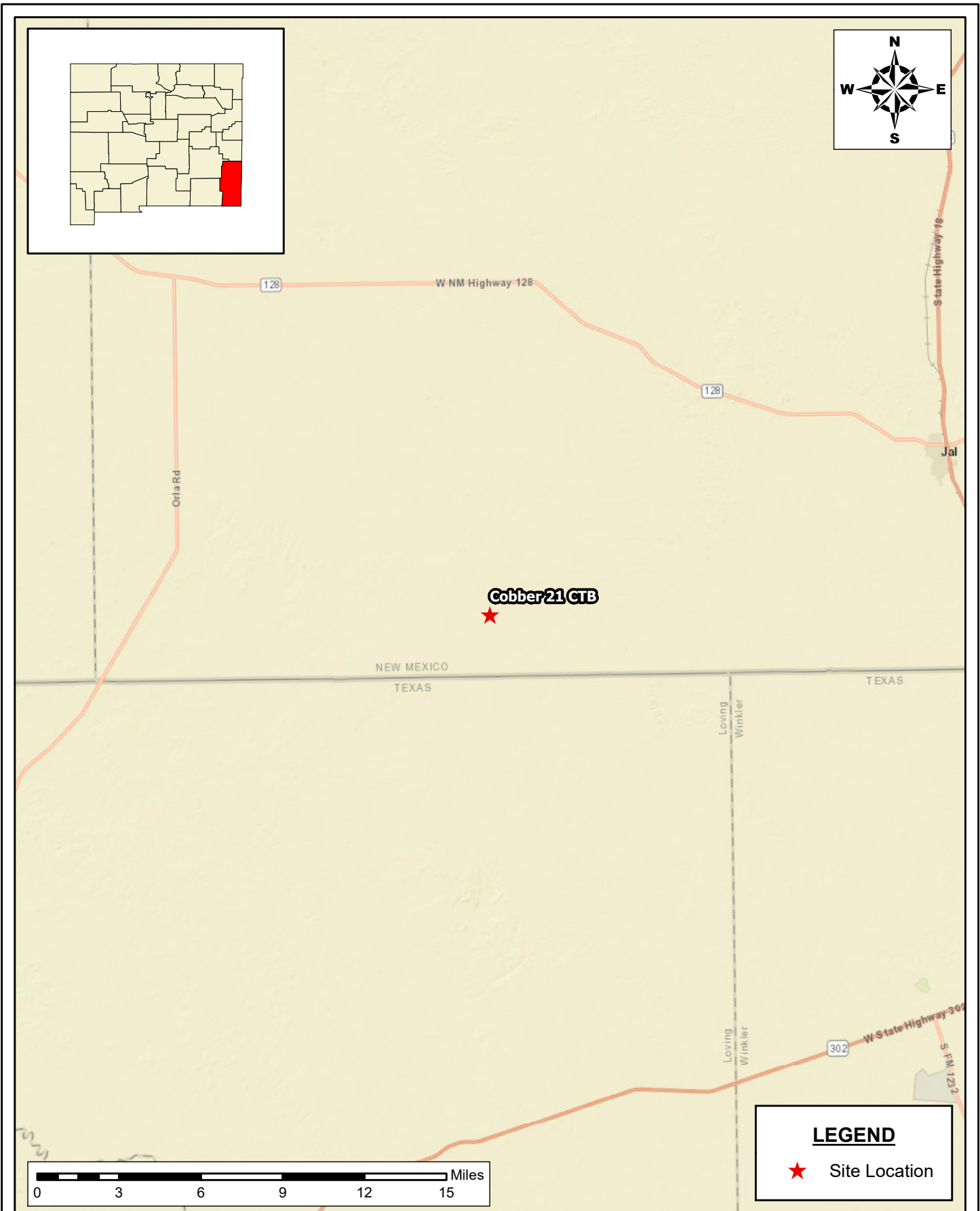
SP-1

Sample Point Excavated

## **FIGURES**

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Document Path: C:\Users\ntg\gis\New Tech Global\NTGE - Documents\2024 PROJECTS\DEVONRSC\248559 - C 17 STATE CTBY- Figures\GIS\Figure\_1\_SL.mxd



**SITE LOCATION MAP**  
**DEFERRAL REQUEST**  
**COBBER 21 CTB 2**  
**DEVON ENERGY PRODUCTION CORPORATION**  
**LEA COUNTY, NEW MEXICO**

SCALE: As Shown    Date: 5/28/2024    PROJECT #: 248661

**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

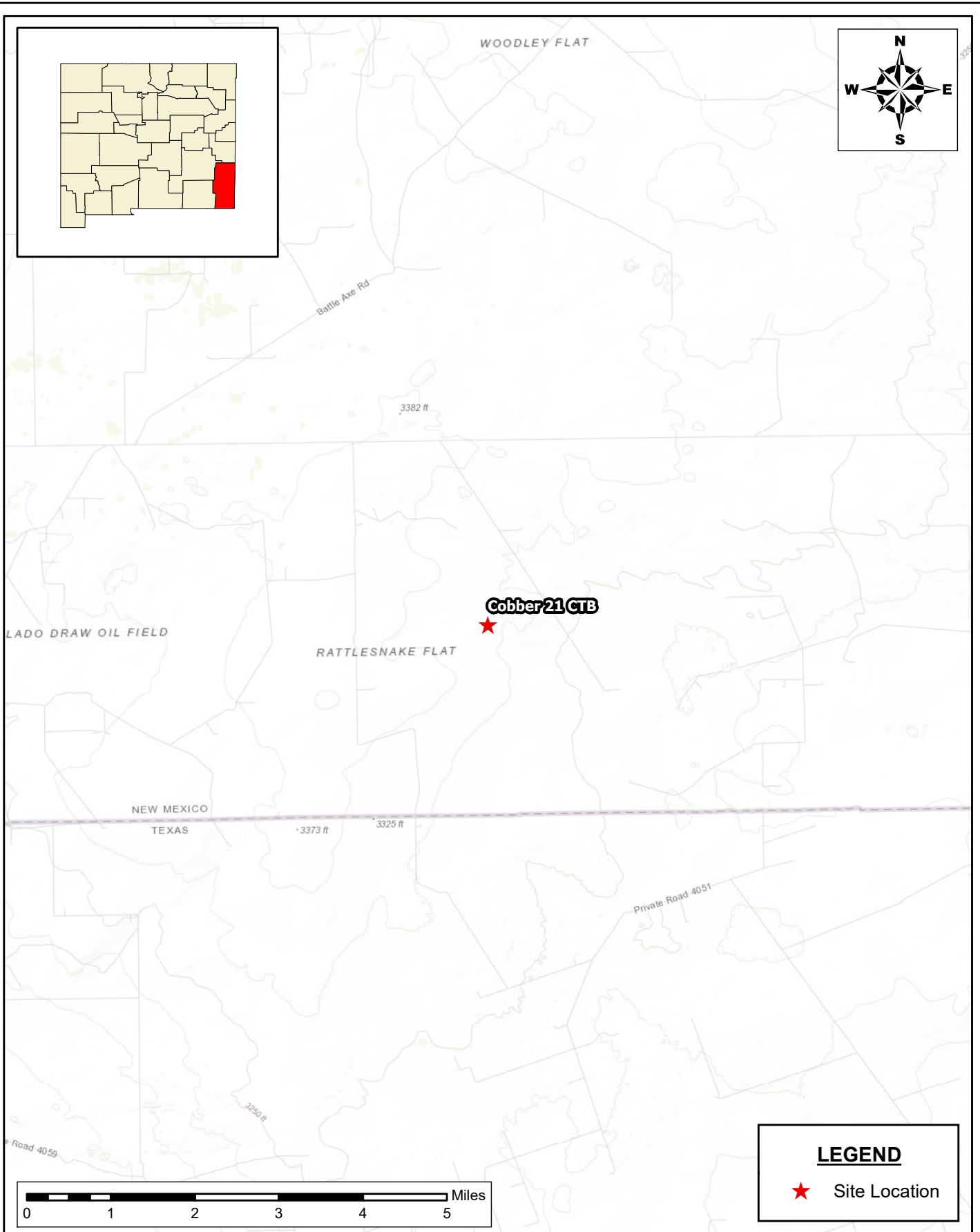
DRAWING NUMBER:

**FIGURE 1**

SHEET NUMBER:

**1 of 1**

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**TOPOGRAPHIC MAP  
DEFERRAL REQUEST  
COBBER 21 CTB 2  
DEVON ENERGY PRODUCTION CORPORATION  
LEA COUNTY, NEW MEXICO**

SCALE: As Shown    Date: 5/28/2024    PROJECT #: 248661



**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

DRAWING NUMBER:

**FIGURE 2**

SHEET NUMBER:

**1 of 1**

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**INITIAL ASSESSMENT MAP  
DEFERRAL REQUEST  
COBBER 21 CTB 2  
DEVON ENERGY PRODUCTION COMPANY  
LEA COUNTY, NEW MEXICO**



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

**NOTES:**

1. Base Image: ESRI Maps & Data 2017
2. Map Projection: NAD 1983

DRAWING NUMBER:

**FIGURE 3**

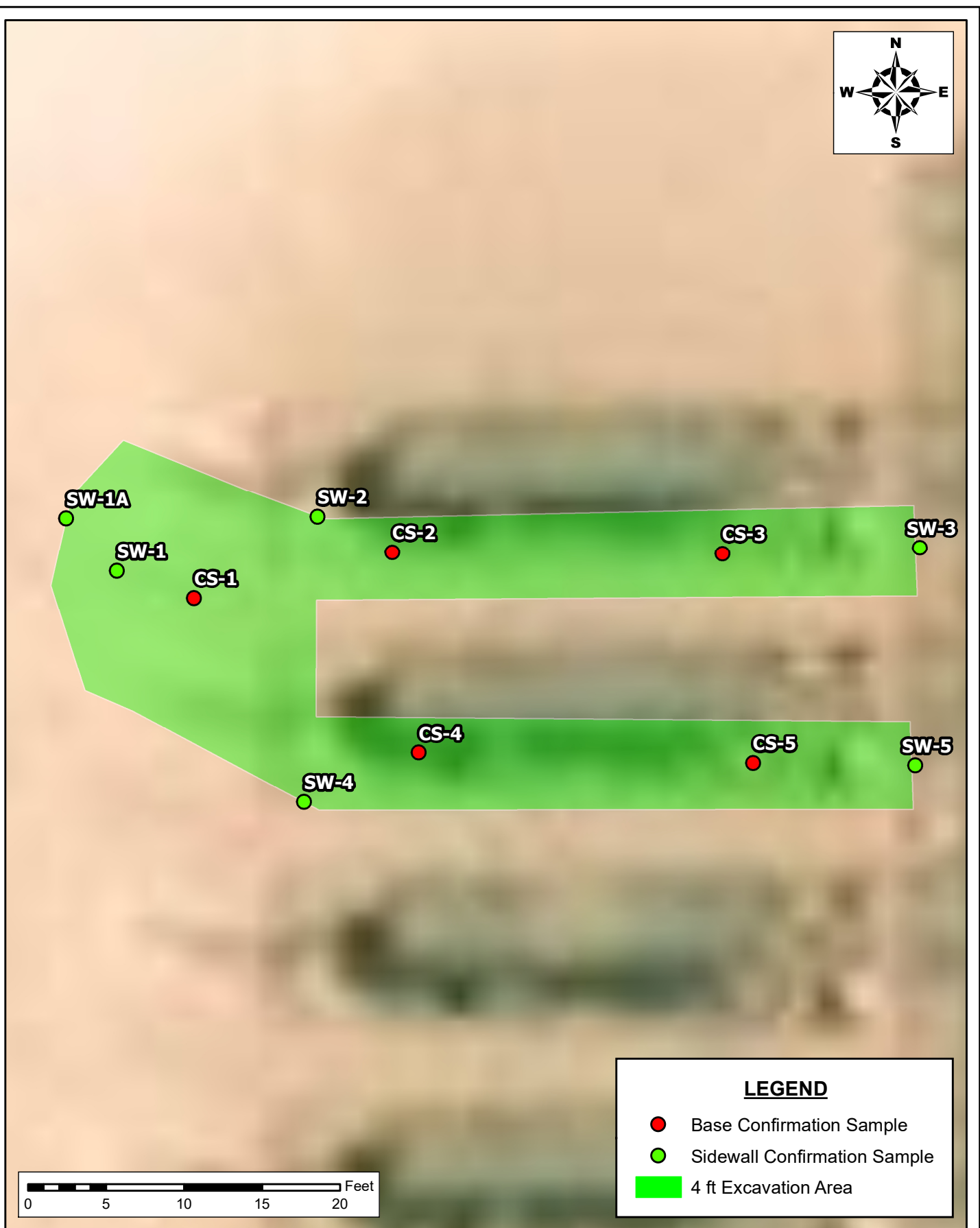
SHEET NUMBER:

**1 of 1**

SCALE: AS SHOWN    DATE: 05/28/2024    PROJECT #: 248661



Document Path: C:\Users\ntg\gis\New Tech Global\NTGE - Documents\2024 PROJECTSIDEVONRSC\248580 - Belloq 2 State 5H7 - Figures\GIS\Figure\_3\_1A.mxd



CONFIRMATION SAMPLING MAP  
DEFERRAL REQUEST  
DEVON ENERGY PRODUCTION COMPANY  
COBBER 21 CTB 2  
LEA COUNTY, NEW MEXICO

SCALE: As Shown

Date: 8/2/2024

PROJECT #: 248665



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

**NOTES:**

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

DRAWING NUMBER:

**FIGURE 4**

SHEET NUMBER:

**1 of 1**



Document Path: C:\Users\ntg\Documents\2024 PROJECTS\DEVON\NRSC\236730 - Gaucha 30 CTB 117 - Figures\GIS\Figure\_5.mxd



**LEGEND**

- Vertical Deferral Sample
- Horizontal Deferral Sample
- Deferral Area

**DEFERRAL MAP**  
**DEFERRAL REQUEST**  
COBBER 21 CTB 2  
DEVON ENERGY PRODUCTION COMPANY  
LEA COUNTY, NEW MEXICO

SCALE: AS SHOWN    DATE: 08/05/2024    PROJECT #: 248665

  
**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 2017
- 2. Map Projection: NAD 1983

DRAWING NUMBER:  
**FIGURE 5**  
SHEET NUMBER:  
**1 of 1**

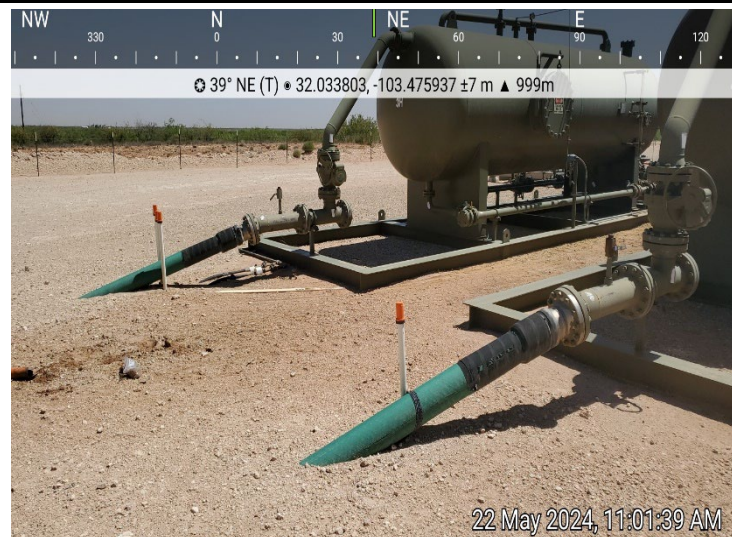
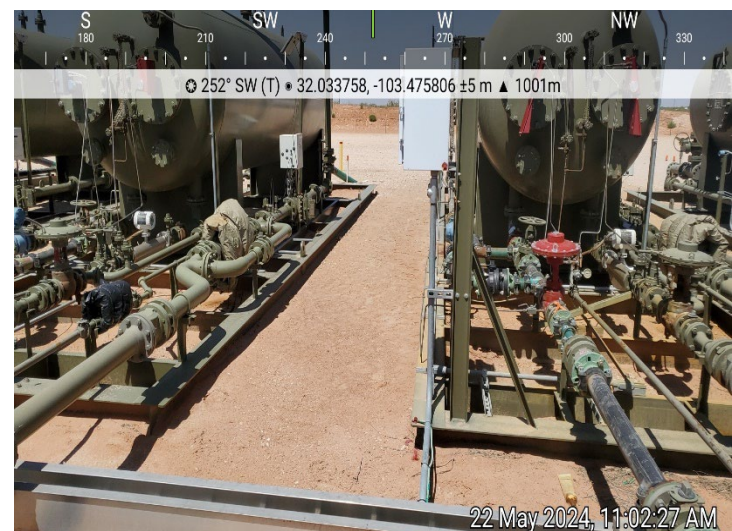
## **PHOTOGRAPHIC LOG**

---

# PHOTOGRAPHIC LOG

## Devon Energy Production Company

### Cobber 21 CTB 2

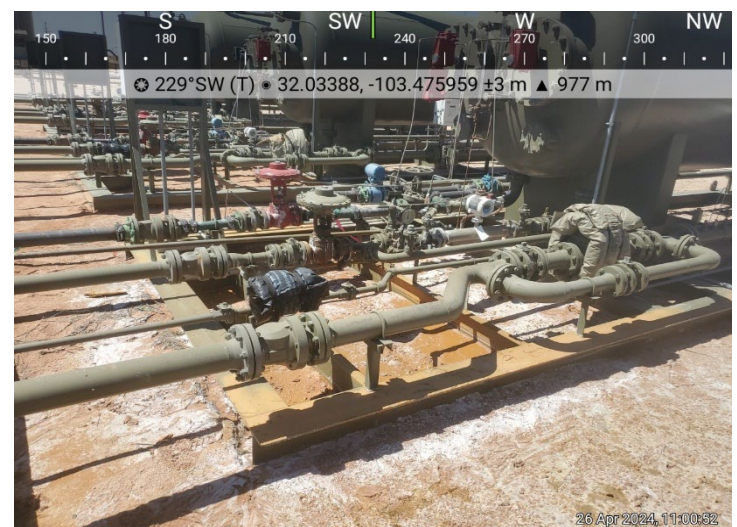
**Photograph No. 1****Facility:** Cobber 21 CTB 2**County:** Lea County, New Mexico**Description:**  
Area of Concern.**Photograph No. 2****Facility:** Cobber 21 CTB 2**County:** Lea County, New Mexico**Description:**  
Area of Concern.**Photograph No. 3****Facility:** Cobber 21 CTB 2**County:** Lea County, New Mexico**Description:**  
Area of Concern.



# PHOTOGRAPHIC LOG

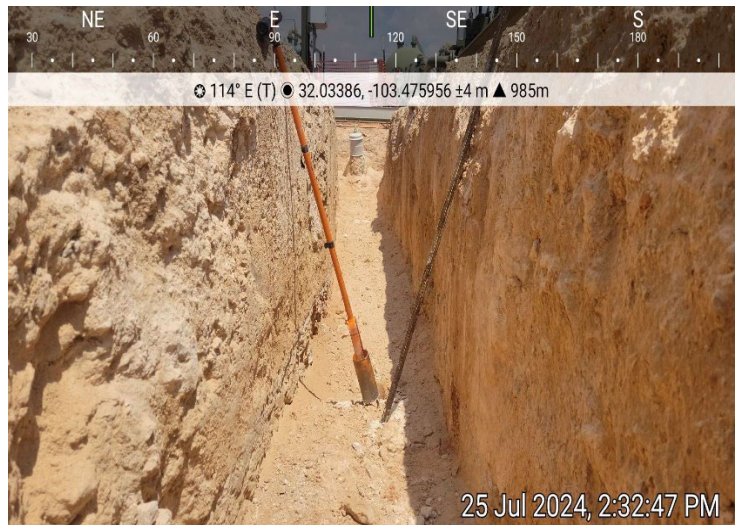
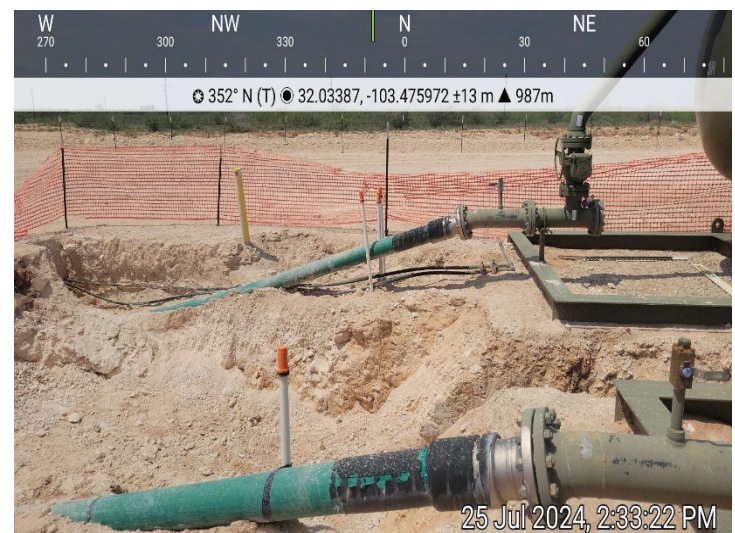
## Devon Energy Production Company

### Cobber 21 CTB 2

**Photograph No. 4****Facility:** Cobber 21 CTB 2**County:** Lea County, New Mexico**Description:**  
Area of Concern.**Photograph No. 5****Facility:** Cobber 21 CTB 2**County:** Lea County, New Mexico**Description:**  
Area of Concern.**Photograph No. 6****Facility:** Cobber 21 CTB 2**County:** Lea County, New Mexico**Description:**  
Area of Concern.



**PHOTOGRAPHIC LOG**  
**Devon Energy Production Company**  
**Cobber 21 CTB 2**

**Photograph No. 7****Facility:** Cobber 21 CTB 2**County:** Lea County, New Mexico**Description:**  
View of Excavation.**Photograph No. 8****Facility:** Cobber 21 CTB 2**County:** Lea County, New Mexico**Description:**  
View of Excavation.**Photograph No. 9****Facility:** Cobber 21 CTB 2**County:** Lea County, New Mexico**Description:**  
View of Excavation

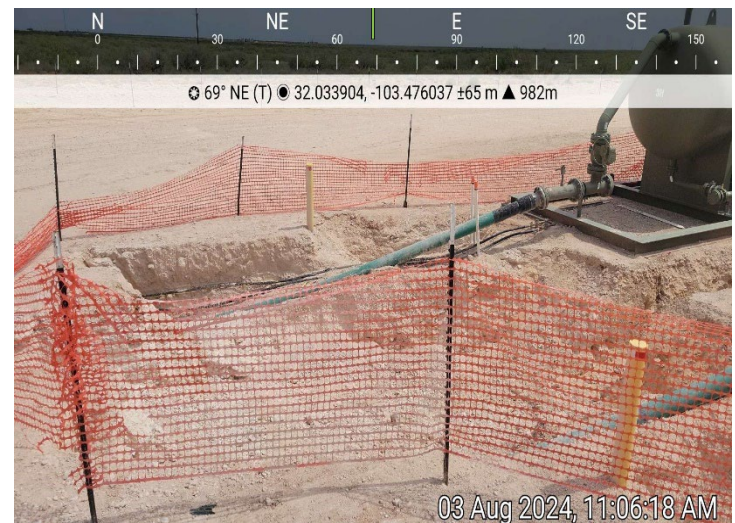


**PHOTOGRAPHIC LOG**  
**Devon Energy Production Company**  
**Cobber 21 CTB 2**

**Photograph No. 10****Facility:** Cobber 21 CTB 2**County:** Lea County, New Mexico**Description:**  
View of Excavation.**Photograph No. 11****Facility:** Cobber 21 CTB 2**County:** Lea County, New Mexico**Description:**  
View of Excavation.**Photograph No. 12****Facility:** Cobber 21 CTB 2**County:** Lea County, New Mexico**Description:**  
View of Excavation



**PHOTOGRAPHIC LOG**  
**Devon Energy Production Company**  
**Cobber 21 CTB 2**

**Photograph No. 10****Facility:** Cobber 21 CTB 2**County:** Lea County, New Mexico**Description:**  
View of Excavation.**Photograph No. 11****Facility:** Cobber 21 CTB 2**County:** Lea County, New Mexico**Description:**  
View of Excavation.**Photograph No. 12****Facility:** Cobber 21 CTB 2**County:** Lea County, New Mexico**Description:**  
View of Excavation



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



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

May 29, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: COBBER 21 CTB 2

Enclosed are the results of analyses for samples received by the laboratory on 05/23/24 9:27.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/23/2024  
 Reported: 05/29/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: V - 1 0-6" (H242865-01)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.99	99.7	2.00	17.7	
Toluene*	<0.050	0.050	05/25/2024	ND	2.00	100	2.00	12.5	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	2.01	100	2.00	8.60	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	5.95	99.2	6.00	8.44	
Total BTEX	<0.300	0.300	05/25/2024	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	3200	16.0	05/24/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	201	100	200	0.261	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	215	107	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 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: 05/23/2024  
 Reported: 05/29/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: V - 1 1-1.5' (H242865-02)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2024	ND	1.99	99.7	2.00	17.7		
Toluene*	<0.050	0.050	05/25/2024	ND	2.00	100	2.00	12.5		
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	2.01	100	2.00	8.60		
Total Xylenes*	<0.150	0.150	05/25/2024	ND	5.95	99.2	6.00	8.44		
Total BTEx	<0.300	0.300	05/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	3400	16.0	05/24/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	201	100	200	0.261	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	215	107	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 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: 05/23/2024  
 Reported: 05/29/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: V - 1 2-2.5' (H242865-03)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2024	ND	1.99	99.7	2.00	17.7		
Toluene*	<0.050	0.050	05/25/2024	ND	2.00	100	2.00	12.5		
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	2.01	100	2.00	8.60		
Total Xylenes*	<0.150	0.150	05/25/2024	ND	5.95	99.2	6.00	8.44		
Total BTEx	<0.300	0.300	05/25/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6160	16.0	05/24/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	201	100	200	0.261	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	215	107	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 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: 05/23/2024  
 Reported: 05/29/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: V - 1 3-3.5' (H242865-04)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2024	ND	1.99	99.7	2.00	17.7		
Toluene*	<0.050	0.050	05/25/2024	ND	2.00	100	2.00	12.5		
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	2.01	100	2.00	8.60		
Total Xylenes*	<0.150	0.150	05/25/2024	ND	5.95	99.2	6.00	8.44		
Total BTEx	<0.300	0.300	05/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	2880	16.0	05/24/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	211	105	200	0.0171	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	190	94.9	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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: 05/23/2024  
 Reported: 05/29/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: V - 1 4-4.5' (H242865-05)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.99	99.7	2.00	17.7	
Toluene*	<0.050	0.050	05/25/2024	ND	2.00	100	2.00	12.5	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	2.01	100	2.00	8.60	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	5.95	99.2	6.00	8.44	
Total BTEX	<0.300	0.300	05/25/2024	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	112	16.0	05/24/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	211	105	200	0.0171	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	190	94.9	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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: 05/23/2024  
 Reported: 05/29/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: V - 2 0-6" (H242865-06)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/28/2024	ND	1.87	93.3	2.00	7.42	
Toluene*	<0.050	0.050	05/28/2024	ND	1.89	94.6	2.00	6.52	
Ethylbenzene*	<0.050	0.050	05/28/2024	ND	1.91	95.4	2.00	5.92	
Total Xylenes*	<0.150	0.150	05/28/2024	ND	5.96	99.4	6.00	6.06	
Total BTEX	<0.300	0.300	05/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	6800	16.0	05/24/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	211	105	200	0.0171	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	190	94.9	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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: 05/23/2024  
 Reported: 05/29/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: V - 2 1-1.5' (H242865-07)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.87	93.3	2.00	7.42	
Toluene*	<0.050	0.050	05/25/2024	ND	1.89	94.6	2.00	6.52	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.91	95.4	2.00	5.92	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	5.96	99.4	6.00	6.06	
Total BTEX	<0.300	0.300	05/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	7360	16.0	05/24/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	211	105	200	0.0171	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	190	94.9	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 05/23/2024  
 Reported: 05/29/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: V - 2 2-2.5' (H242865-08)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.87	93.3	2.00	7.42	
Toluene*	<0.050	0.050	05/25/2024	ND	1.89	94.6	2.00	6.52	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.91	95.4	2.00	5.92	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	5.96	99.4	6.00	6.06	
Total BTX	<0.300	0.300	05/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	6480	16.0	05/24/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	211	105	200	0.0171	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	190	94.9	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 05/23/2024  
 Reported: 05/29/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: V - 2 3-3.5' (H242865-09)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.87	93.3	2.00	7.42	
Toluene*	<0.050	0.050	05/25/2024	ND	1.89	94.6	2.00	6.52	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.91	95.4	2.00	5.92	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	5.96	99.4	6.00	6.06	
Total BTX	<0.300	0.300	05/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	1380	16.0	05/24/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	211	105	200	0.0171	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	190	94.9	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 05/23/2024  
 Reported: 05/29/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: V - 2 4-4.5' (H242865-10)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	2.01	100	2.00	1.49	QR-03
Toluene*	<0.050	0.050	05/25/2024	ND	2.04	102	2.00	3.45	QR-03
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	2.09	105	2.00	3.74	QR-03
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.14	102	6.00	3.61	QR-03
Total BTX	<0.300	0.300	05/25/2024	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	240	16.0	05/24/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	211	105	200	0.0171	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	190	94.9	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 05/23/2024  
 Reported: 05/29/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: V - 3 0-6" (H242865-11)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2024	ND	2.01	100	2.00	1.49		
Toluene*	<0.050	0.050	05/25/2024	ND	2.04	102	2.00	3.45		
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	2.09	105	2.00	3.74		
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.14	102	6.00	3.61		
Total BTEX	<0.300	0.300	05/25/2024	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	4480	16.0	05/24/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	211	105	200	0.0171	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	190	94.9	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 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: 05/23/2024  
 Reported: 05/29/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: V - 3 1-1.5' (H242865-12)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2024	ND	2.01	100	2.00	1.49		
Toluene*	<0.050	0.050	05/25/2024	ND	2.04	102	2.00	3.45		
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	2.09	105	2.00	3.74		
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.14	102	6.00	3.61		
Total BTEX	<0.300	0.300	05/25/2024	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	2280	16.0	05/24/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	211	105	200	0.0171	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	190	94.9	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 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: 05/23/2024  
 Reported: 05/29/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: V - 3 2-2.5' (H242865-13)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	2.01	100	2.00	1.49	
Toluene*	<0.050	0.050	05/25/2024	ND	2.04	102	2.00	3.45	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	2.09	105	2.00	3.74	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.14	102	6.00	3.61	
Total BTEX	<0.300	0.300	05/25/2024	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	1250	16.0	05/24/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	211	105	200	0.0171	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	190	94.9	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 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: 05/23/2024  
 Reported: 05/29/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: V - 3 3-3.5' (H242865-14)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2024	ND	2.01	100	2.00	1.49		
Toluene*	<0.050	0.050	05/25/2024	ND	2.04	102	2.00	3.45		
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	2.09	105	2.00	3.74		
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.14	102	6.00	3.61		
Total BTEX	<0.300	0.300	05/25/2024	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	304	16.0	05/24/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	211	105	200	0.0171	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	190	94.9	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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: 05/23/2024  
 Reported: 05/29/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 1 0-6" (H242865-15)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	2.01	100	2.00	1.49	
Toluene*	<0.050	0.050	05/25/2024	ND	2.04	102	2.00	3.45	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	2.09	105	2.00	3.74	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.14	102	6.00	3.61	
Total BTEx	<0.300	0.300	05/25/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/24/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	211	105	200	0.0171	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	190	94.9	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/23/2024  
 Reported: 05/29/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 2 0-6" (H242865-16)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	2.01	100	2.00	1.49	
Toluene*	<0.050	0.050	05/25/2024	ND	2.04	102	2.00	3.45	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	2.09	105	2.00	3.74	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.14	102	6.00	3.61	
Total BTEX	<0.300	0.300	05/25/2024	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	64.0	16.0	05/24/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	211	105	200	0.0171	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	190	94.9	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 05/23/2024  
 Reported: 05/29/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 3 0-6" (H242865-17)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	2.01	100	2.00	1.49	
Toluene*	<0.050	0.050	05/25/2024	ND	2.04	102	2.00	3.45	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	2.09	105	2.00	3.74	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.14	102	6.00	3.61	
Total BTEx	<0.300	0.300	05/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	16.0	16.0	05/24/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	211	105	200	0.0171	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	190	94.9	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 05/23/2024  
 Reported: 05/29/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 4 0-6" (H242865-18)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	2.01	100	2.00	1.49	
Toluene*	<0.050	0.050	05/25/2024	ND	2.04	102	2.00	3.45	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	2.09	105	2.00	3.74	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.14	102	6.00	3.61	
Total BTEX	<0.300	0.300	05/25/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/29/2024	ND	448	112	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	05/24/2024	ND	211	105	200	0.0171	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	190	94.9	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 05/23/2024  
 Reported: 05/29/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 5 0-6" (H242865-19)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	2.01	100	2.00	1.49	
Toluene*	<0.050	0.050	05/25/2024	ND	2.04	102	2.00	3.45	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	2.09	105	2.00	3.74	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.14	102	6.00	3.61	
Total BTEX	<0.300	0.300	05/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	32.0	16.0	05/29/2024	ND	448	112	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	05/24/2024	ND	211	105	200	0.0171	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	190	94.9	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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: 05/23/2024  
 Reported: 05/29/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/22/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 6 0-6" (H242865-20)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	2.01	100	2.00	1.49	
Toluene*	<0.050	0.050	05/25/2024	ND	2.04	102	2.00	3.45	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	2.09	105	2.00	3.74	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.14	102	6.00	3.61	
Total BTEx	<0.300	0.300	05/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/29/2024	ND	448	112	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	05/24/2024	ND	211	105	200	0.0171	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	190	94.9	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

---

Celey D. Keene, Lab Director/Quality Manager



## Chain of Custody

Work Order No: H242865

Page 1 of 2



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

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

Project Name:		Cobber 21 CTB 2			Turn Around				ANALYSIS REQUEST										Preservative Codes		
Project Number:		248661			<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Pres. Code												None: NO	DI Water: H <sub>2</sub> O
Project Location		Lea County			Due Date:				Parameters  BTEx 8021B  TPH 8015M (GRO + DRO + MRO)  Chloride 4500											Cool: Cool	MeOH: Me
Sampler's Name:		Clayton T, Kenny H			TAT starts the day received by the lab, if received by 4:30pm															HCL: HC	HNO <sub>3</sub> : HN
PO #		21335839																		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>												H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:		Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>	Thermometer ID:		740													NaHSO <sub>4</sub> : NABIS	
Cooler Custody Seals:		Yes <input type="checkbox"/>		No <input checked="" type="checkbox"/> N/A	Correction Factor:															Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	
Sample Custody Seals:		Yes <input type="checkbox"/>		No <input checked="" type="checkbox"/> N/A	Temperature Reading:		-44.2													Zn Acetate+NaOH: Zn	
Total Containers:		20		Corrected Temperature:					NaOH+Ascorbic Acid: SAPC												
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont												Sample Comments		
V-1	0-6"	5/22/2024	11:00	X		Grab	1	X	X	X											
V-1	1-1.5'	5/22/2024	11:03	X		Grab	1	X	X	X											
V-1	2-2.5'	5/22/2024	11:06	X		Grab	1	X	X	X											
V-1	3-3.5'	5/22/2024	11:09	X		Grab	1	X	X	X											
V-1	4-4.5'	5/22/2024	11:12	X		Grab	1	X	X	X											
V-2	0-6"	5/22/2024	11:15	X		Grab	1	X	X	X											
V-2	1-1.5'	5/22/2024	11:18	X		Grab	1	X	X	X											
V-2	2-2.5'	5/22/2024	11:21	X		Grab	1	X	X	X											
V-2	3-3.5'	5/22/2024	11:24	X		Grab	1	X	X	X											
V-2	4-4.5'	5/22/2024	11:27	X		Grab	1	X	X	X											

Additional Comments:

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

Relinquished by: (Signature)		Received by: (Signature)		Date/Time	Relinquished by: (Signature)		Received by: (Signature)		Date/Time
1				5-23-24 0927	2				
3					4				
5					6				





## Chain of Custody

Work Order No: H242863

Page 2 of 2

Page 24 of 24



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

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

Project Name:		Cobber 21 CTB 2		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes							
Project Number:		248661		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Due Date:		Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500													HOLD	None: NO      DI Water: H <sub>2</sub> O		
Project Location:		Lea County		TAT starts the day received by the lab, if received by 4:30pm																					Cool: Cool      MeOH: Me		
Sampler's Name:		Clayton T, Kenny H																							HCL: HC      HNO <sub>3</sub> : HN		
PO #:		21335839																							H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na		
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:																			Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		H <sub>3</sub> PO <sub>4</sub> : HP
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		140				NaHSO <sub>4</sub> : NABIS																	
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:						Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>																	
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		-4.4°C				Zn Acetate+NaOH: Zn																	
Total Containers:		20		Corrected Temperature:						NaOH+Ascorbic Acid: SAPC																	
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments			
V-3	0-6"	5/22/2024	11:30	X		Grab	1	X	X	X																	
V-3	1-1.5'	5/22/2024	11:33	X		Grab	1	X	X	X																	
V-3	2-2.5'	5/22/2024	11:36	X		Grab	1	X	X	X																	
V-3	3-3.5'	5/22/2024	11:39	X		Grab	1	X	X	X																	
H-1	0-6"	5/22/2024	11:42	X		Grab	1	X	X	X																	
H-2	0-6"	5/22/2024	11:45	X		Grab	1	X	X	X																	
H-3	0-6"	5/22/2024	11:48	X		Grab	1	X	X	X																	
H-4	0-6"	5/22/2024	11:51	X		Grab	1	X	X	X																	
H-5	0-6"	5/22/2024	11:54	X		Grab	1	X	X	X																	
H-6	0-6"	5/22/2024	11:57	X		Grab	1	X	X	X																	

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 	2 	3 5-23-24 0927 <sup>2</sup>	4		
5			6		



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July 19, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: COBBER 21 CTB 2

Enclosed are the results of analyses for samples received by the laboratory on 07/17/24 12:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 07/17/2024  
 Reported: 07/19/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 07/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 1 (H244272-01)**

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	07/17/2024	ND	2.04	102	2.00	7.72		
Toluene*	<0.050	0.050	07/17/2024	ND	2.04	102	2.00	8.95		
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.14	107	2.00	8.78		
Total Xylenes*	<0.150	0.150	07/17/2024	ND	6.35	106	6.00	9.03		
Total BTX	<0.300	0.300	07/17/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/19/2024	ND	416	104	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	07/18/2024	ND	187	93.5	200	0.292	
DRO >C10-C28*	<10.0	10.0	07/18/2024	ND	186	93.2	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	07/18/2024	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 07/17/2024  
 Reported: 07/19/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 07/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 2 (H244272-02)**

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	07/17/2024	ND	2.04	102	2.00	7.72		
Toluene*	<0.050	0.050	07/17/2024	ND	2.04	102	2.00	8.95		
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.14	107	2.00	8.78		
Total Xylenes*	<0.150	0.150	07/17/2024	ND	6.35	106	6.00	9.03		
Total BTX	<0.300	0.300	07/17/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3280	16.0	07/19/2024	ND	416	104	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	07/18/2024	ND	187	93.5	200	0.292	
DRO >C10-C28*	<10.0	10.0	07/18/2024	ND	186	93.2	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	07/18/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 07/17/2024  
 Reported: 07/19/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 07/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 3 (H244272-03)**

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	07/17/2024	ND	2.04	102	2.00	7.72	
Toluene*	<0.050	0.050	07/17/2024	ND	2.04	102	2.00	8.95	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.14	107	2.00	8.78	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	6.35	106	6.00	9.03	
Total BTEX	<0.300	0.300	07/17/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5440	16.0	07/19/2024	ND	416	104	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	07/18/2024	ND	187	93.5	200	0.292	
DRO >C10-C28*	<10.0	10.0	07/18/2024	ND	186	93.2	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	07/18/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 07/17/2024  
 Reported: 07/19/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 07/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 4 (H244272-04)**

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	07/17/2024	ND	2.04	102	2.00	7.72		
Toluene*	<0.050	0.050	07/17/2024	ND	2.04	102	2.00	8.95		
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.14	107	2.00	8.78		
Total Xylenes*	<0.150	0.150	07/17/2024	ND	6.35	106	6.00	9.03		
Total BTEX	<0.300	0.300	07/17/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3520	16.0	07/19/2024	ND	416	104	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	07/18/2024	ND	187	93.5	200	0.292	
DRO >C10-C28*	<10.0	10.0	07/18/2024	ND	186	93.2	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	07/18/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 07/17/2024  
 Reported: 07/19/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 07/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 5 (H244272-05)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2024	ND	2.04	102	2.00	7.72		
Toluene*	<0.050	0.050	07/17/2024	ND	2.04	102	2.00	8.95		
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.14	107	2.00	8.78		
Total Xylenes*	<0.150	0.150	07/17/2024	ND	6.35	106	6.00	9.03		
Total BTX	<0.300	0.300	07/17/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17000	16.0	07/19/2024	ND	416	104	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	07/18/2024	ND	187	93.5	200	0.292	
DRO >C10-C28*	<10.0	10.0	07/18/2024	ND	186	93.2	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	07/18/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 07/17/2024  
 Reported: 07/19/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 07/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 1 (H244272-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2024	ND	2.04	102	2.00	7.72		
Toluene*	<0.050	0.050	07/17/2024	ND	2.04	102	2.00	8.95		
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.14	107	2.00	8.78		
Total Xylenes*	<0.150	0.150	07/17/2024	ND	6.35	106	6.00	9.03		
Total BTEX	<0.300	0.300	07/17/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1480	16.0	07/19/2024	ND	416	104	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	07/18/2024	ND	187	93.5	200	0.292	
DRO >C10-C28*	<10.0	10.0	07/18/2024	ND	186	93.2	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	07/18/2024	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 07/17/2024  
 Reported: 07/19/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 07/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 2 (H244272-07)**

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	07/17/2024	ND	2.04	102	2.00	7.72	
Toluene*	<0.050	0.050	07/17/2024	ND	2.04	102	2.00	8.95	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.14	107	2.00	8.78	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	6.35	106	6.00	9.03	
Total BTEX	<0.300	0.300	07/17/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	07/19/2024	ND	416	104	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	07/18/2024	ND	187	93.5	200	0.292	
DRO >C10-C28*	<10.0	10.0	07/18/2024	ND	186	93.2	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	07/18/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 07/17/2024  
 Reported: 07/19/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 07/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 3 (H244272-08)**

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	07/17/2024	ND	2.04	102	2.00	7.72	
Toluene*	<0.050	0.050	07/17/2024	ND	2.04	102	2.00	8.95	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.14	107	2.00	8.78	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	6.35	106	6.00	9.03	
Total BTEX	<0.300	0.300	07/17/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21200	16.0	07/19/2024	ND	416	104	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	07/18/2024	ND	187	93.5	200	0.292	
DRO >C10-C28*	<10.0	10.0	07/18/2024	ND	186	93.2	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	07/18/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 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: 07/17/2024  
 Reported: 07/19/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 07/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 4 (H244272-09)**

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	07/17/2024	ND	2.04	102	2.00	7.72	
Toluene*	<0.050	0.050	07/17/2024	ND	2.04	102	2.00	8.95	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.14	107	2.00	8.78	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	6.35	106	6.00	9.03	
Total BTEX	<0.300	0.300	07/17/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	07/19/2024	ND	416	104	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	07/18/2024	ND	187	93.5	200	0.292	
DRO >C10-C28*	<10.0	10.0	07/18/2024	ND	186	93.2	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	07/18/2024	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 07/17/2024  
 Reported: 07/19/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 07/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 5 (H244272-10)**

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	07/17/2024	ND	2.04	102	2.00	7.72	
Toluene*	<0.050	0.050	07/17/2024	ND	2.04	102	2.00	8.95	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.14	107	2.00	8.78	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	6.35	106	6.00	9.03	
Total BTEX	<0.300	0.300	07/17/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8320	16.0	07/19/2024	ND	416	104	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	07/18/2024	ND	187	93.5	200	0.292	
DRO >C10-C28*	<10.0	10.0	07/18/2024	ND	186	93.2	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	07/18/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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

Celey D. Keene, Lab Director/Quality Manager



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> NTGE <b>Project Manager:</b> Ethan Sessums <b>Address:</b> 209 West McKay St <b>City:</b> Carlsbad <b>State:</b> NM <b>Zip:</b> 88220 <b>Phone #:</b> <b>Fax #:</b> <b>Project #:</b> 248661 <b>Project Owner:</b> <b>Project Name:</b> Cobber 21 CTB 2 <b>Project Location:</b> Lea County <b>Sampler Name:</b> Clayton T				<b>BILL TO</b> <b>P.O. #:</b> 21335839 <b>Company:</b> Devon <b>Attn:</b> Dale W. <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>				<b>ANALYSIS REQUEST</b>																																			
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		GRAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING		BTEX TPH Chloride																											
										GROUNDWATER		WASTEWATER		SOIL														OIL		SLUDGE		OTHER		ACID/BASE		ICE / COOL		OTHER		DATE		TIME	
		H244272		CS-1		C		1						X																										7/17		10:00	
		2		CS-2																																							
		3		CS-3																																							
		4		CS-4																																							
		5		CS-5																																							
		6		SW-1																																							
		7		SW-2																																							
		8		SW-3																																							
		9		SW-4																																							
		10		SW-5																																							

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<b>Relinquished By:</b> <b>Date:</b> 7-17-24 <b>Time:</b> 12:45		<b>Received By:</b> <b>Date:</b> <b>Time:</b>		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b> <b>All Results are emailed. Please provide Email address:</b>	
<b>Relinquished By:</b> <b>Date:</b> <b>Time:</b>		<b>Received By:</b> <b>Date:</b> <b>Time:</b>		<b>REMARKS:</b>	
<b>Delivered By: (Circle One)</b> <b>Sampler - UPS - Bus - Other:</b>		<b>Observed Temp. °C</b> 4.5 <b>Corrected Temp. °C</b>		<b>Sample Condition</b> <b>Cool Intact</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>Turnaround Time:</b> Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>		<b>Thermometer ID #140</b> <b>Correction Factor 0°C</b>		<b>Bacteria (only) Sample Condition</b> <b>Cool Intact</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>Turnaround Time:</b> 48hr		<b>Observed Temp. °C</b> <b>Corrected Temp. °C</b>		<b>Observed Temp. °C</b> <b>Corrected Temp. °C</b>	

FORM 000 R 3.4 07/11/23

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



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

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July 25, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: COBBER 21 CTB 2

Enclosed are the results of analyses for samples received by the laboratory on 07/24/24 14:02.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 07/24/2024  
 Reported: 07/25/2024  
 Project Name: COBBER 21 CTB 2  
 Project Number: 248661  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 07/24/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 1A (H244397-01)**

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	07/24/2024	ND	2.12	106	2.00	7.15	
Toluene*	<0.050	0.050	07/24/2024	ND	2.22	111	2.00	7.34	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.29	115	2.00	7.40	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	6.95	116	6.00	6.81	
Total BTX	<0.300	0.300	07/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/25/2024	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	07/24/2024	ND	209	104	200	3.70	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	195	97.4	200	15.7	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.7 % 49.1-148

Cardinal Laboratories

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

Celey D. Keene, Lab Director/Quality Manager





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(575) 393-2326 FAX (575) 393-2476

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Relinquished By: <i>Ju Jung</i>		Date: <i>7/24/24</i>		Received By: <i>Shadroney</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:	
		Time: <i>2:02</i>				All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS:	
		Time:					
Delivered By: (Circle One)		Observed Temp. °C: <i>4.5</i>		Sample Condition		Turnaround Time: <i>24 HR</i>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C:		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	
				CHECKED BY: (Initials) <i>SR</i>		Bacteria (only) Sample Condition	
						Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
						Thermometer ID #140	
						Correction Factor 0°C	
						Observed Temp. °C	
						Corrected Temp. °C	

† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)

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August 01, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: COBBER 21 CTB 2

Enclosed are the results of analyses for samples received by the laboratory on 07/26/24 10:23.

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/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: COBBER 21 CTB 2  
Project Number: 248661  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
01-Aug-24 15:42

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DS-1 4-4.5'	H244461-01	Soil	25-Jul-24 14:30	26-Jul-24 10:23
DS-1 5-5.5'	H244461-02	Soil	25-Jul-24 14:40	26-Jul-24 10:23
DS-1 6-6.5'	H244461-03	Soil	25-Jul-24 14:50	26-Jul-24 10:23
DS-2 4-4.5'	H244461-04	Soil	25-Jul-24 15:00	26-Jul-24 10:23
DS-2 5-5.5'	H244461-05	Soil	25-Jul-24 15:10	26-Jul-24 10:23
DS-2 6-6.5'	H244461-06	Soil	25-Jul-24 15:20	26-Jul-24 10:23

08/01/24 - Client changed the sample IDs (see COC). This is the revised report and will replace the one sent on 07/31/24.

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: COBBER 21 CTB 2  
Project Number: 248661  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
01-Aug-24 15:42

**DS-1 4-4.5'**  
**H244461-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>6900</b>		16.0	mg/kg	4	4072935	HM	29-Jul-24	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4072632	JH	29-Jul-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4072632	JH	29-Jul-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4072632	JH	29-Jul-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4072632	JH	29-Jul-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4072632	JH	29-Jul-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134 4072632 JH 29-Jul-24 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4072627	MS	29-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4072627	MS	29-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4072627	MS	29-Jul-24	8015B	

Surrogate: 1-Chlorooctane 96.0 % 48.2-134 4072627 MS 29-Jul-24 8015B

Surrogate: 1-Chlorooctadecane 106 % 49.1-148 4072627 MS 29-Jul-24 8015B

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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: COBBER 21 CTB 2  
Project Number: 248661  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
01-Aug-24 15:42

**DS-1 5-5.5'**  
**H244461-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1070</b>		16.0	mg/kg	4	4072935	HM	29-Jul-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4072632	JH	29-Jul-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4072632	JH	29-Jul-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4072632	JH	29-Jul-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4072632	JH	29-Jul-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4072632	JH	29-Jul-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5-134		4072632	JH	29-Jul-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4072627	MS	29-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4072627	MS	29-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4072627	MS	29-Jul-24	8015B	

Surrogate: 1-Chlorooctane			94.1 %	48.2-134		4072627	MS	29-Jul-24	8015B	
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Surrogate: 1-Chlorooctadecane			104 %	49.1-148		4072627	MS	29-Jul-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: COBBER 21 CTB 2  
Project Number: 248661  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
01-Aug-24 15:42

**DS-1 6-6.5'**  
**H244461-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>496</b>		16.0	mg/kg	4	4072935	HM	29-Jul-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4072632	JH	29-Jul-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4072632	JH	29-Jul-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4072632	JH	29-Jul-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4072632	JH	29-Jul-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4072632	JH	29-Jul-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			114 %		71.5-134	4072632	JH	29-Jul-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4072627	MS	29-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4072627	MS	29-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4072627	MS	29-Jul-24	8015B	

Surrogate: 1-Chlorooctane			85.4 %		48.2-134	4072627	MS	29-Jul-24	8015B	
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Surrogate: 1-Chlorooctadecane			93.6 %		49.1-148	4072627	MS	29-Jul-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: COBBER 21 CTB 2  
Project Number: 248661  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
01-Aug-24 15:42

**DS-2 4-4.5'**  
**H244461-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>5600</b>		16.0	mg/kg	4	4072935	HM	29-Jul-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4072632	JH	29-Jul-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4072632	JH	29-Jul-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4072632	JH	29-Jul-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4072632	JH	29-Jul-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4072632	JH	29-Jul-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			113 %		71.5-134	4072632	JH	29-Jul-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4072627	MS	29-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4072627	MS	29-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4072627	MS	29-Jul-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			96.7 %		48.2-134	4072627	MS	29-Jul-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			108 %		49.1-148	4072627	MS	29-Jul-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: COBBER 21 CTB 2  
Project Number: 248661  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
01-Aug-24 15:42

**DS-2 5-5.5'**  
**H244461-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1470</b>		16.0	mg/kg	4	4072935	HM	29-Jul-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4072632	JH	29-Jul-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4072632	JH	29-Jul-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4072632	JH	29-Jul-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4072632	JH	29-Jul-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4072632	JH	29-Jul-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %		71.5-134	4072632	JH	29-Jul-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4072627	MS	29-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4072627	MS	29-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4072627	MS	29-Jul-24	8015B	

Surrogate: 1-Chlorooctane			79.2 %		48.2-134	4072627	MS	29-Jul-24	8015B	
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Surrogate: 1-Chlorooctadecane			89.4 %		49.1-148	4072627	MS	29-Jul-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: COBBER 21 CTB 2  
Project Number: 248661  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
01-Aug-24 15:42

**DS-2 6-6.5'**  
**H244461-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>336</b>		16.0	mg/kg	4	4072935	HM	29-Jul-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4072632	JH	29-Jul-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4072632	JH	29-Jul-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4072632	JH	29-Jul-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4072632	JH	29-Jul-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4072632	JH	29-Jul-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %		71.5-134	4072632	JH	29-Jul-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4072627	MS	29-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4072627	MS	29-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4072627	MS	29-Jul-24	8015B	

Surrogate: 1-Chlorooctane			87.0 %		48.2-134	4072627	MS	29-Jul-24	8015B	
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Surrogate: 1-Chlorooctadecane			96.3 %		49.1-148	4072627	MS	29-Jul-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: COBBER 21 CTB 2  
Project Number: 248661  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
01-Aug-24 15:42

**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 4072935 - 1:4 DI Water</b>										
<b>Blank (4072935-BLK1)</b>				Prepared & Analyzed: 29-Jul-24						
Chloride	ND	16.0	mg/kg							
<b>LCS (4072935-BS1)</b>				Prepared & Analyzed: 29-Jul-24						
Chloride	464	16.0	mg/kg	400		116	80-120			
<b>LCS Dup (4072935-BSD1)</b>				Prepared & Analyzed: 29-Jul-24						
Chloride	432	16.0	mg/kg	400		108	80-120	7.14	20	

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: COBBER 21 CTB 2  
Project Number: 248661  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
01-Aug-24 15:42

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4072632 - Volatiles****Blank (4072632-BLK1)**

Prepared: 26-Jul-24 Analyzed: 29-Jul-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0568		mg/kg	0.0500		114	71.5-134			

**LCS (4072632-BS1)**

Prepared: 26-Jul-24 Analyzed: 29-Jul-24

Benzene	1.96	0.050	mg/kg	2.00		97.8	82.8-130			
Toluene	2.08	0.050	mg/kg	2.00		104	86-128			
Ethylbenzene	2.17	0.050	mg/kg	2.00		108	85.9-128			
m,p-Xylene	4.54	0.100	mg/kg	4.00		113	89-129			
o-Xylene	2.12	0.050	mg/kg	2.00		106	86.1-125			
Total Xylenes	6.66	0.150	mg/kg	6.00		111	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0546		mg/kg	0.0500		109	71.5-134			

**LCS Dup (4072632-BS1)**

Prepared: 26-Jul-24 Analyzed: 29-Jul-24

Benzene	2.02	0.050	mg/kg	2.00		101	82.8-130	3.43	15.8	
Toluene	2.16	0.050	mg/kg	2.00		108	86-128	3.65	15.9	
Ethylbenzene	2.25	0.050	mg/kg	2.00		113	85.9-128	3.69	16	
m,p-Xylene	4.69	0.100	mg/kg	4.00		117	89-129	3.30	16.2	
o-Xylene	2.20	0.050	mg/kg	2.00		110	86.1-125	3.67	16.7	
Total Xylenes	6.89	0.150	mg/kg	6.00		115	88.2-128	3.42	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0534		mg/kg	0.0500		107	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: COBBER 21 CTB 2  
Project Number: 248661  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
01-Aug-24 15:42

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4072627 - General Prep - Organics****Blank (4072627-BLK1)**

Prepared: 26-Jul-24 Analyzed: 29-Jul-24

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	48.3		mg/kg	50.0		96.6	48.2-134		
Surrogate: 1-Chlorooctadecane	53.3		mg/kg	50.0		107	49.1-148		

**LCS (4072627-BS1)**

Prepared: 26-Jul-24 Analyzed: 29-Jul-24

GRO C6-C10	185	10.0	mg/kg	200		92.3	66.4-123		
DRO >C10-C28	182	10.0	mg/kg	200		91.0	66.5-118		
Total TPH C6-C28	367	10.0	mg/kg	400		91.7	77.6-123		
Surrogate: 1-Chlorooctane	50.9		mg/kg	50.0		102	48.2-134		
Surrogate: 1-Chlorooctadecane	53.8		mg/kg	50.0		108	49.1-148		

**LCS Dup (4072627-BSD1)**

Prepared: 26-Jul-24 Analyzed: 29-Jul-24

GRO C6-C10	184	10.0	mg/kg	200		91.8	66.4-123	0.519	17.7
DRO >C10-C28	187	10.0	mg/kg	200		93.6	66.5-118	2.81	21
Total TPH C6-C28	371	10.0	mg/kg	400		92.7	77.6-123	1.15	18.5
Surrogate: 1-Chlorooctane	53.6		mg/kg	50.0		107	48.2-134		
Surrogate: 1-Chlorooctadecane	57.7		mg/kg	50.0		115	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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



Work Order No: 41244461

Page 1 of 1



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

<div style="text-align: right;">Page <u>    </u> of <u>    </u></div> <div style="text-align: center; background-color: #d3d3d3; padding: 5px;"><b>Work Order Comments</b></div>			
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>			
State of Project:			
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>			
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: <input type="text"/>			

[illegible]

Additional Comments: \* Customer Requested ID changes. 80-8/1/24

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

Relinquished by: (Signature)		Received by: (Signature)		Date/Time	Relinquished by: (Signature)		Received by: (Signature)		Date/Time
Clayton Tumas				7/26/24 8:16am	2				7/26/24/1023
3					4				
5					6				

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State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
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QUESTIONS

Action 373307

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 373307
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2411643477
Incident Name	NAPP2411643477 COBBER 21 CTB 2 @ 0
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2128034578] COBBER 21 CTB 2

<b>Location of Release Source</b>	
Please answer all the questions in this group.	
Site Name	COBBER 21 CTB 2
Date Release Discovered	04/24/2024
Surface Owner	Federal

<b>Incident Details</b>	
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

<b>Nature and Volume of Release</b>	
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: 6 BBL   Recovered: 5 BBL   Lost: 1 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)	A leak was found on a valve on a separator at the location. 6 bbls spilled. 5 bbls recovered. The spill reached the pad.



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QUESTIONS, Page 2

Action 373307

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	373307
Action Type:	
[C-141] Deferral Request C-141 (C-141-v-Deferral)	

**QUESTIONS**

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
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@dmn.com Date: 08/13/2024
--	--

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QUESTIONS, Page 3

Action 373307

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number: 373307
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS****Site Characterization**

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

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

**Remediation Plan**

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

Requesting a remediation plan approval with this submission	Yes
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.	
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)	7360
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	0
GRO+DRO	(EPA SW-846 Method 8015M)	0
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	06/06/2024
On what date will (or did) the final sampling or liner inspection occur	07/25/2024
On what date will (or was) the remediation complete(d)	08/01/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	706
What is the estimated volume (in cubic yards) that will be remediated	105

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

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

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QUESTIONS, Page 4

Action 373307

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	373307
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	LEA LAND LANDFILL [fEEM0112342028]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 08/13/2024
<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 373307

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	373307
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS****Deferral Requests Only**

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.

Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	The area is directly under or next to the on-pad facilities (i.e., separators)
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	452
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	109
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (f#) on which this deferral should be granted	COBBER 21 CTB 2 [fAPP2128034578]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 08/13/2024

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QUESTIONS, Page 6

Action 373307

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	373307
Action Type:	
[C-141] Deferral Request C-141 (C-141-v-Deferral)	

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	366161
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/24/2024
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	1000

**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 373307

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 373307
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	9/18/2024