

200 feet northwest of the Longview Fed 1 44

nAPP2324024755

8/26/2023

32.32916667 -104.03416667

200 feet northwest of the Longview Fed 1 44

<u>Spill Volume(Bbls) Calculator</u>		
<i>Inputs in blue , Outputs in red</i>		
Contaminated Soil measurement		
Length(Ft)	Width(Ft)	Depth (in)
<u>50</u>	<u>31.000</u>	<u>0.100</u>
Cubic Feet of Soil Impacted		<u>12.917</u>
Barrels of Soil Impacted		<u>2.30</u>
Soil Type		Clay/Sand
Barrels of Oil Assuming 100% Saturation		<u>0.35</u>
Saturation	Damp no fluid when squeezed	
Estimated Barrels of Oil Released		0.03
Free Standing Fluid Only		
Length(Ft)	Width(Ft)	Depth (inches))
<u>50</u>	<u>31.000</u>	<u>0.375</u>
Standing fluid		<u>8.615</u>
<u>Total fluids spilled</u>		<u>8.649</u>



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

January 22, 2024

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

Re: Site Characterization and Remediation Work Plan
200 Feet Northwest of the Longview Federal 1 #44H
Unit P, Section 01, Township 23S, Range 28E
Site Coordinates: 32.32916667, -104.03416667
Eddy County, New Mexico
Incident ID: nAPP2324024755

1. Introduction

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this Site Characterization and Remediation Work Plan for submittal to the New Mexico Oil Conservation Division (NMCOD) District 2 Office in Artesia, New Mexico to document site assessment, remedial action activities, and sample analysis results for the release nAPP2324024755 located 200 Feet Northwest of the Longview Federal 1 #44H (Site). The Site is in Unit Letter P, Section 01, of Township 23 South and Range 28 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.32916667° N latitude and -104.03416667° 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.

2. Background

Based on the Release Notification C-141 Form, the spill occurred on August 26th, 2023, as a result of a leak from the gas line. The leak was discovered on the lease road approximately 200 feet northwest of the Longview Federal 1 #44H. Upon discovery, all the wells associated with the gas line were shut-in, the area secured, and repairs made to the line. Approximately 8.6 barrels (bbls) of condensate were released, of which 1 bbl was recovered for a net loss of 7.6 bbls of condensate. The release area is shown in Figure 3.

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For Oil & Gas
Operations

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3. Groundwater and Site Characterization

Based on a review of the New Mexico Office of State Engineers (NMOSE) and USGS databases, there are no known water sources within a ½-mile radius of the location. According to NMOSE, two closest known well water sources (C 04539, drilled in 2021 and C-04418, drilled in 2020) are located 0.55 mile north and 0.57 west of the Site, respectively. Both wells were drilled to 55 feet below ground surface (ft bgs) with no water encountered in either well. According to the National Wetlands Inventory (NWS), there are two wetlands approximately 500 feet (ft) east of the Site. According to the Karst Potential Map, the site is located within a Medium Karst area. The Site characterization documentation (Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) are attached to this report.

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

General Site Characterization and Groundwater:

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

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

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	GRO+DRO	BTEX	Benzene
19.15.29.13 Restoration, Reclamation and Re-Vegetation (Impacted Area 0-4 Feet)	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
19.15.23.12 Remediation and Closure Criteria for Soils Impacted by a Release (>4 Feet)	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
Notes: --- = not defined					

4. Initial Soil Delineation Assessment Summary and Findings

On September 26th, 2023, NTGE conducted site assessment activities to assess the extent of impacts at the Site. Six (6) vertical sample points (V-1 through V-6) and six (6) horizontal sample points (H-1 through H-6) were installed within the release area to characterize the impacts. Soil samples were collected at one (1) ft intervals from depths ranging from 0 to 1.5 ft bgs with a geotechnical hand auger. The hand auger was decontaminated with Alconox and deionized water between soil borings to prevent cross-contamination. Sample locations are shown on Figure 3.

Soil samples were placed directly into laboratory provided samples containers, placed on ice, and transported under proper chain-of-custody protocol. Soil samples were collected and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B).

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The analytical results indicated that TPH concentrations exceeded the NMOCD regulatory limits in the areas of V-1 at one (1) to one and a half (1.5) ft bgs and V-4 at zero (0) to a half (0.5) ft bgs. Analytical results are included in Table 1, while soil boring locations are shown in Figure 3. The initial and remediation C-141, laboratory reports containing analytical methods and chain-of-custody documents are attached to the report.

On November 7th, 2023, NTGE returned to Site to further characterize the extent of the spill. Two (2) vertical sample points (V-1 and V-4) were reinstalled within the release area to characterize the spill. Soil samples were collected at zero and a half (0.5) and up to five and a half (5.5) ft bgs with a geotechnical hand auger. The hand auger was decontaminated with Alconox and deionized water between soil borings to prevent cross-contamination. Soil samples were submitted to the Cardinal Laboratories in Hobbs, NM for the analysis for BTEX, TPH, and chloride. The analytical results indicated that chloride concentrations exceeded the NMOCD regulatory limits in the areas of V-4 at depths ranging from one (1) to three and a half (3.5) ft bgs. All other samples were below regulatory limits set forth in NMOCD Table I.

On December 21st, 2023, NTGE returned to site to further characterize the extent of the spill. One (1) vertical test pit (TP-1) was installed within the release area to characterize the extent of the spill. Soil samples were collected at depths ranging from one (1) to ten (10) ft bgs with mechanical equipment and submitted to the Cardinal Laboratories in Hobbs, NM for the analysis for BTEX, TPH, and chloride. Analytical results indicated that chloride concentrations exceeded the NMOCD regulatory limits in the areas of TP-1 at a depths of three (3) ft bgs. All other samples were below regulatory limits set forth in NMOCD Table I.

5. Proposed Work Plan

After receiving and evaluating the soil boring data NTGE proposes to excavate areas of V-1 to a depth of two (2) ft bgs and areas of V-4 and TP-1 to a depth of four (4) ft bgs to ensure that the impacted soil has been removed from the Site. Approximately 236 cubic yards of impacted material will be removed to remediate the impacted area. The proposed excavation map is shown in Figure 4.

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

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

Mr. Mike Bratcher
January 22, 2024
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Sincerely,
NTG Environmental



Ethan Sessums
Project Manager

Attachments:

- Tables
- Figures
- Initial C-141/Remediation C-141
- Photographic Log
- Site Characterization Documentation
- Laboratory Reports and Chain-of-Custody Documents

NTGE Project No.: 237866



TABLE

Summary of Soil Analytical Data - Delineation Samples
Longview Federal 1-44
Devon Energy Production Company
Eddy 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 ≤ 50 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg		10,000 mg/kg
Vertical deliniation Samples														
V-1	09/26/23	0-0.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.0250	<20.0	69.8	69.8	<50.0	69.8	232	
	09/26/23	1-1.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.0250	<20.0	95.7	95.7	63.7	159.4	197	
	11/07/23	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80	
	11/07/23	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
	11/07/23	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
	11/07/23	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
	11/07/23	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-2	11/07/23	5-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368	
	09/26/23	0-0.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	71	
V-3	09/26/23	1-1.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	23	
V-4	09/26/23	0-0.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.0250	<20.0	36.9	36.9	<50.0	36.9	96	
	09/26/23	0-0.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.0250	<20.0	309	309	161	470	419	
	11/07/23	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176	
	11/07/23	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,000	
	11/07/23	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,680	
	11/07/23	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,600	
V-5	11/07/23	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	
	09/26/23	0-0.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.0250	<20.0	41.7	41.7	<50.0	41.7	221	
V-6	09/26/23	0-0.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.0250	<20.0	<20.0	<25.0	<50.0	<50	94	
TP-1	12/21/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64	
	12/21/23	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512	
	12/21/23	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	960	
	12/21/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	672	
	12/21/23	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304	
	12/21/23	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528	
	12/21/23	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384	
	12/21/23	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464	
	12/21/23	9'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224	
	12/21/23	10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432	
Horizontal Deliniation Samples														
H-1	09/26/23	0-0.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
H-2	09/26/23	0-0.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
H-3	09/26/23	0-0.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	143	
H-4	09/26/23	0-0.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
H-5	09/26/23	0-0.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
H-6	09/26/23	0-0.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	

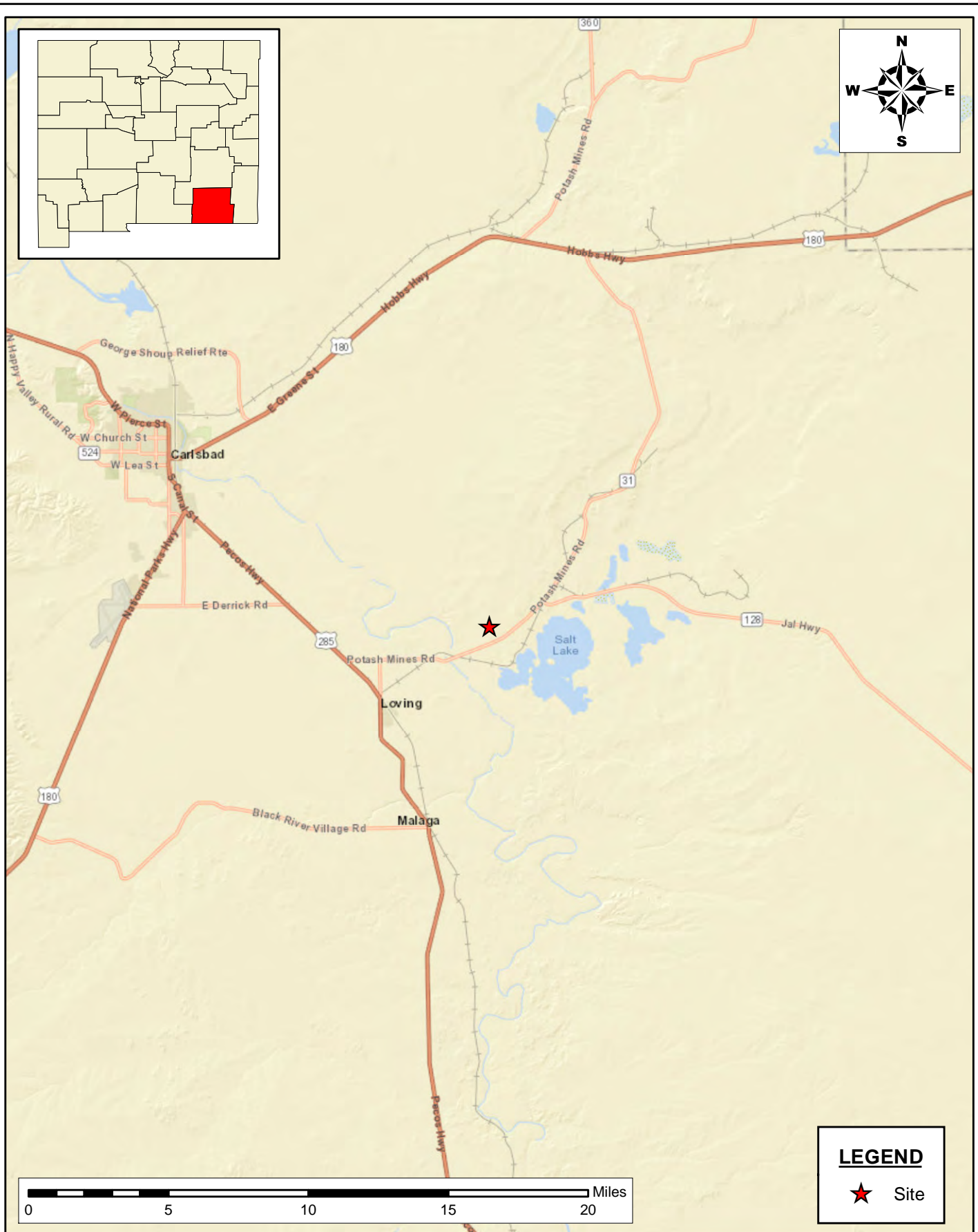
Notes:

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

 Sample Point Excavated

FIGURES

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SITE LOCATION MAP

SITE ASSESSMENT AND REMEDIATION WORK PLAN
 DEVON ENERGY PRODUCTION COMPANY
 LONGVIEW FEDERAL 1 #44H
 EDDY COUNTY, NEW MEXICO
 32.32916667, -104.03416667

SCALE: As Shown

Date: 11/10/2023

PROJECT #: 237866



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

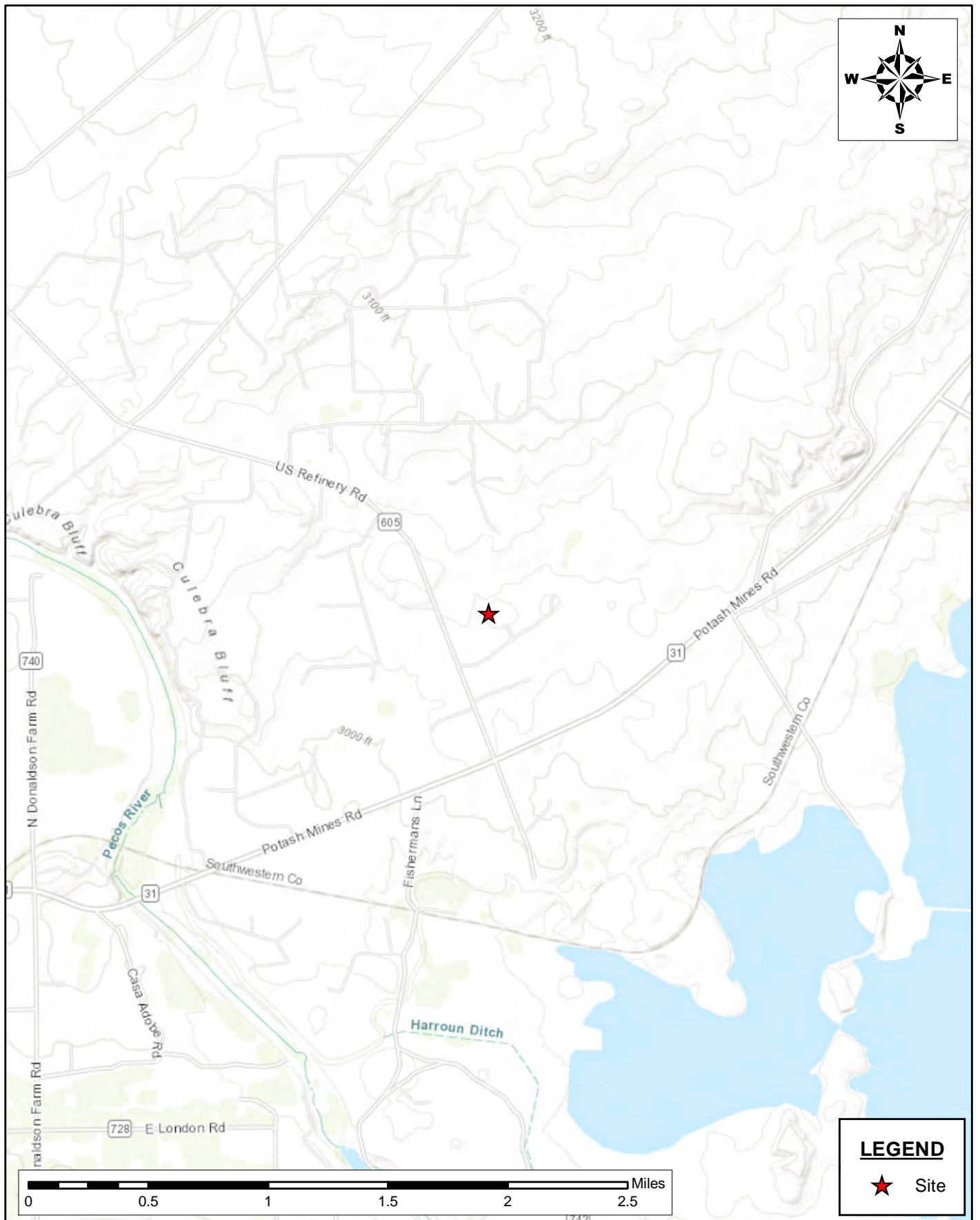
DRAWING NUMBER:

FIGURE 1

SHEET NUMBER:

1 of 1

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**SITE LOCATION MAP**

SITE ASSESSMENT AND REMEDIATION WORK PLAN
DEVON ENERGY PRODUCTION COMPANY
LONGVIEW FEDERAL 1 #44H
EDDY COUNTY, NEW MEXICO
32.32916667, -104.03416667

SCALE: As Shown

Date: 11/10/2023

PROJECT #: 237866



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

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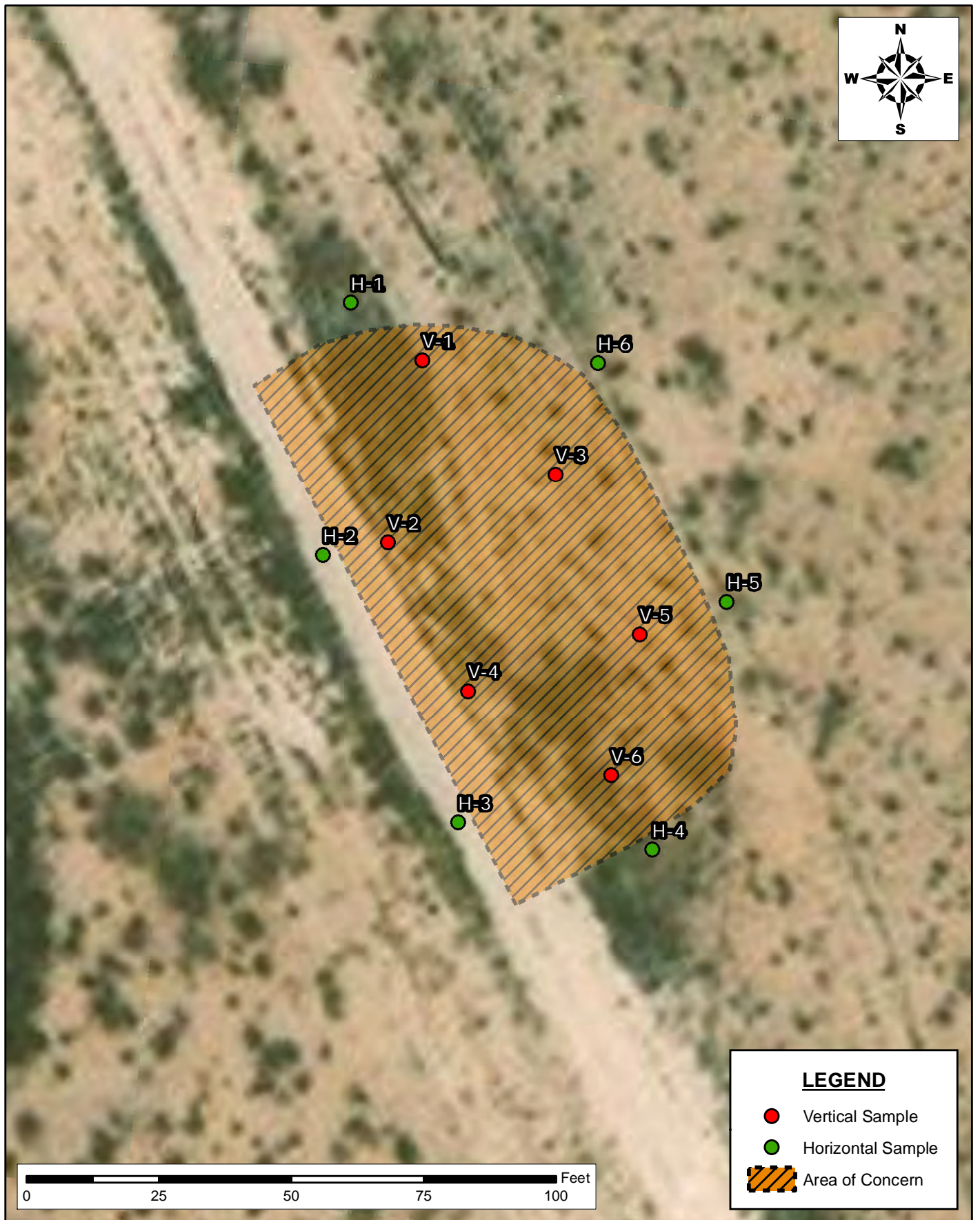
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FIGURE 2

SHEET NUMBER:

1 of 1

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INITIAL SAMPLING MAP
SITE ASSESSMENT AND REMEDIATION WORK PLAN
DEVON ENERGY PRODUCTION COMPANY
LONGVIEW FEDERAL 1 #44H
EDDY COUNTY, NEW MEXICO
32.32916667, -104.03416667

SCALE: AS SHOWN DATE: 11/10/2023 PROJECT #: 237866



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 3

SHEET NUMBER:

1 of 1

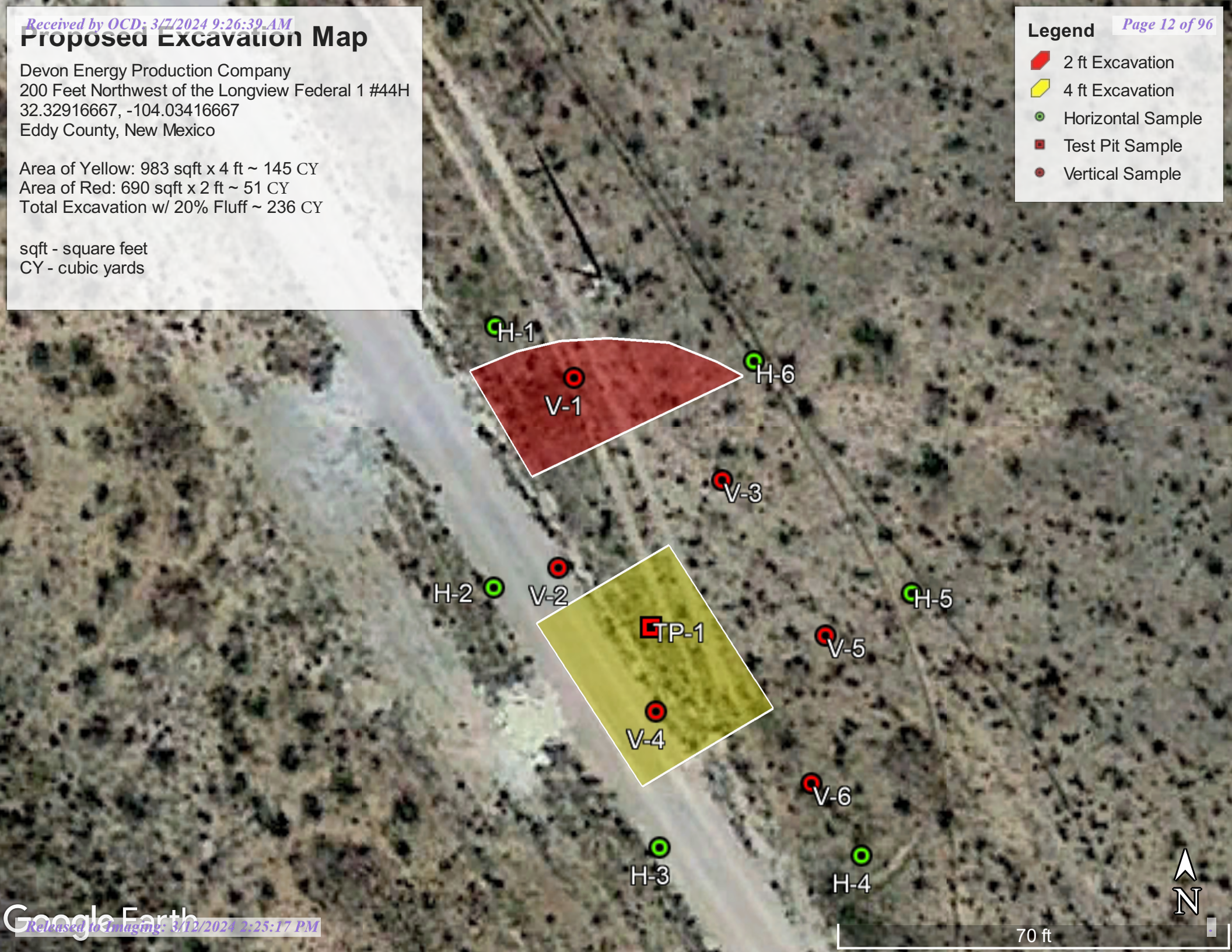
Proposed Excavation Map

Devon Energy Production Company
200 Feet Northwest of the Longview Federal 1 #44H
32.32916667, -104.03416667
Eddy County, New Mexico

Area of Yellow: 983 sqft x 4 ft ~ 145 CY
Area of Red: 690 sqft x 2 ft ~ 51 CY
Total Excavation w/ 20% Fluff ~ 236 CY

sqft - square feet
CY - cubic yards

- 2 ft Excavation
- 4 ft Excavation
- Horizontal Sample
- Test Pit Sample
- Vertical Sample



INITIAL C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

<input type="checkbox"/> The source of the release has been stopped.	
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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.	
Printed Name: Dale Woodall	Title: Env. Professional
Signature: <u>Dale Woodall</u>	Date: _____
email: dale.woodall@dvn.com	Telephone: 575-748-1838
<u>OCD Only</u>	
Received by: Shelly Wells	Date: 8/28/2023

200 feet northwest of the Longview Fed 1 44

nAPP2324024755

8/26/2023

32.32916667 -104.03416667

200 feet northwest of the Longview Fed 1 44

Spill Volume(Bbls) Calculator		
<i>Inputs in blue , Outputs in red</i>		
Contaminated Soil measurement		
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Barrels of Soil Impacted		<u>2.30</u>
Soil Type		Clay/Sand
Barrels of Oil Assuming 100% Saturation		<u>0.35</u>
Saturation	Damp no fluid when squeezed	
Estimated Barrels of Oil Released		0.03
Free Standing Fluid Only		
Length(Ft)	Width(Ft)	Depth (inches))
<u>50</u>	<u>31.000</u>	<u>0.375</u>
Standing fluid		<u>8.615</u>
Total fluids spilled		<u>8.649</u>

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 258280

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 258280
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	8/28/2023

SITE CHARACTERIZATION DOCUMENTATION

NMOCD Closure Criteria

200 Feet Northwest of the Longview Federal 1 #44H

Site Information (19.15.29.11.A (2,3, & 4) NMAC)		Source/Notes
Depth to Groundwater (ft bgs)	N/A	Office of the State Engineer (OSE)
Horizontal Distance from All Water Sources Within 0.5 mile (ft)	500	National Wetlands Inventory (NWS) - wetland
Horizontal Distance to Nearest Significant Watercourse (ft)	500	National Wetlands Inventory (NWS) - wetland

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Depth to Groundwater (ft)		Closure Criteria (mg/kg)				
		Chloride*	TPH	GRO + DRO	BTEX	Benzene
< 50		600	100	--	50	10
51 - 100	X	10,000	2,500	1,000	50	10
>100		20,000	2,500	1,000	50	10
Surface Water	Yes/No	in yes, then				
<300 ft from a continuously flowing watercourse or other significant watercourse?	No	600	100		50	10
<200 ft from a lakebed, sinkhole, or playa lake?	No					
Water Well or Water Source						
<500 ft from a spring or a private, domestic fresh waster well used by less that 5 households for domestic or livestock purposes?	No					
<1,000 ft from a fresh water well or spring?	No					
Human and Other Area						
<300 ft from an occupied permanent residence, school, hospital, institution or church?	No					
Within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
<100 ft from a wetland?	No					
Within an area overlying a subsurface mine?	No					
Within and unstable area?	No					
Within a 100 yr floodplain?	No					

* - numerical limit or background, whichever is greater



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEERS OFFICE
2021 OCT -5 PM 3:41

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-4539 BH01		WSP 185		WELL TAG ID NO. NA		OSE FILE NO(S) C-4539	
	WELL OWNER NAME(S) JDEVON ENERGY CORPORATION - JIM RALEY(AGENT)						PHONE (OPTIONAL) 575-689-7597 (CELL)	
	WELL OWNER MAILING ADDRESS 5315 BUENA VISTA DRIVE						CITY CARLSBAD	
							STATE NM	
1. GENERAL AND WELL LOCATION	WELL LOCATION (FROM GPS)		DEGREES 32	MINUTES 33	SECONDS 71.97	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
			LONGITUDE -104	03	26.81	W	* DATUM REQUIRED: WGS 84	
	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SITE LOCATED AT 32.337197, -104.032681, EDDY COUNTY, NEW MEXICO							
2. DRILLING & CASING INFORMATION	LICENSE NO. WD 1186		NAME OF LICENSED DRILLER RODNEY HAMMER				NAME OF WELL DRILLING COMPANY ENVIRO-DRILL, INC.	
	DRILLING STARTED 07/14/21		DRILLING ENDED 07/14/21		DEPTH OF COMPLETED WELL (FT) 55'		BORE HOLE DEPTH (FT) 55'	
	COMPLETED WELL IS:		<input type="checkbox"/> ARTESIAN		<input type="checkbox"/> DRY HOLE		<input checked="" type="checkbox"/> SHALLOW (UNCONFINED)	
	DRILLING FLUID:		<input type="checkbox"/> AIR		<input type="checkbox"/> MUD		ADDITIVES - SPECIFY:	
	DRILLING METHOD:		<input type="checkbox"/> ROTARY		<input type="checkbox"/> HAMMER		<input type="checkbox"/> CABLE TOOL	
			<input type="checkbox"/> OTHER - SPECIFY:					
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)		CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)		CASING CONNECTION TYPE (add coupling diameter)	
	FROM	TO						
	55	45	8"	Screen	5ch 40	2"	2"	.010
	45	0	8"	Blank	FTT			
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)		LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	
	FROM	TO						
	55	43	8"	Sand 10/20	10	tremic		
	43	41	8"	Hole Plug	1.5	+		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	C-4539	POD NO.	1	TRN NO.	695967
LOCATION	235.28E.1.242			WELL TAG ID NO.	
					PAGE 1 OF 2

STATE ENGINEERS OFFICE
2021 OCT -5 PM 3:41

Released to Imaging: 3/12/2024 2:25:17 PM



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

SEVEN EIGHT TWO

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1		WELL TAG ID NO. Well Tag ID Not Issued		OSE FILE NO(S). C 04418			
	WELL OWNER NAME(S) WPX Energy				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 5315 Buena Vista Drive				CITY Carlsbad	STATE NM	ZIP 88220	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 19	SECONDS 29.6 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE C-12-23S-28E; Longview Federal 12-15								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1789		NAME OF LICENSED DRILLER Mark Mumby			NAME OF WELL DRILLING COMPANY HRL Compliance Solutions		
	DRILLING STARTED 3/31/2020	DRILLING ENDED 3/31/2020	DEPTH OF COMPLETED WELL (FT) 55	BORE HOLE DEPTH (FT) 55	DEPTH WATER FIRST ENCOUNTERED (FT) Water was not encountered			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) Water was not present in the well after 48-hour			
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	45	6.25	Blank PVC	Flush Thread	2.0	0.154	0.010
	45	55	6.25	Factory Slotted PVC Screen	Flush Thread	2.0	0.154	0.010
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				No Annular Seal Material or Gravel Pack	None			

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO. C-4418	POD NO. 1	TRN NO. 670356
LOCATION 214 T23S R28E Sec12	WELL TAG ID NO. NA	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

5. TEST; RIG SUPERVISION

6. SIGNATURE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO.	C-4418	POD NO.	1	TRN NO.	670356
LOCATION	214 T23S R38E S. 12-	WELL TAG ID NO.	11A	PAGE 2 OF 2	

John R. D Antonio, Jr., P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 670356
File Nbr: C 04418
Well File Nbr: C 04418 POD1

Jun. 09, 2020

LYNDA LAUMBACH
WPX ENERGY
5315 BUENA VISTA DRIVE
CARLSBAD, NM 88220

Greetings:

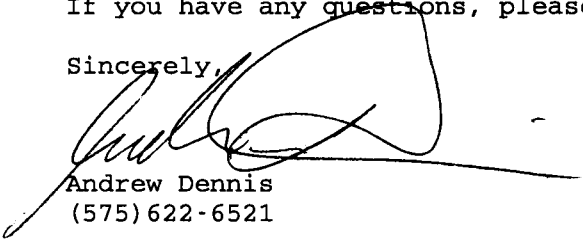
The above numbered permit was issued in your name on 03/26/2020.

The Well Record was received in this office on 05/26/2020, stating that it had been completed on 03/31/2020, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 03/26/2021.

If you have any questions, please feel free to contact us.

Sincerely,


Andrew Dennis
(575) 622-6521

drywell

OSE POD Location Map

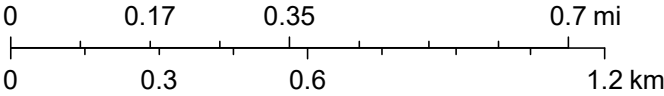


11/2/2023, 10:57:41 AM

GIS WATERS PODs

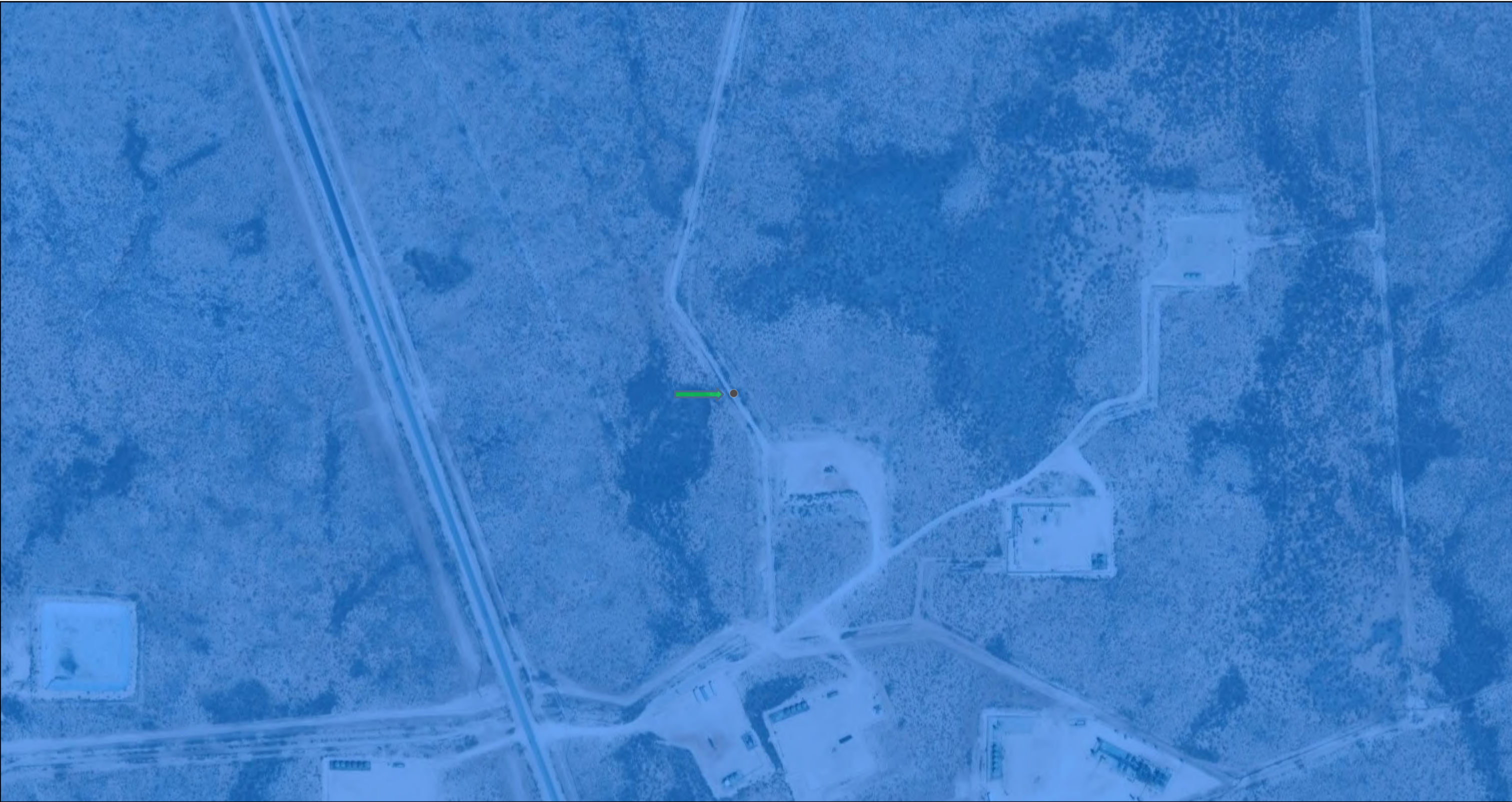
- Active
- Pending
- Plugged
-

1:18,056



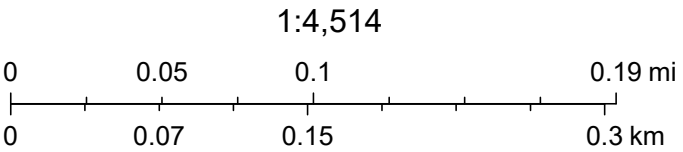
Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar

OCD Site Characterization Map



11/2/2023, 11:00:12 AM

- Site Location
- Karst Occurrence Potential
- Medium

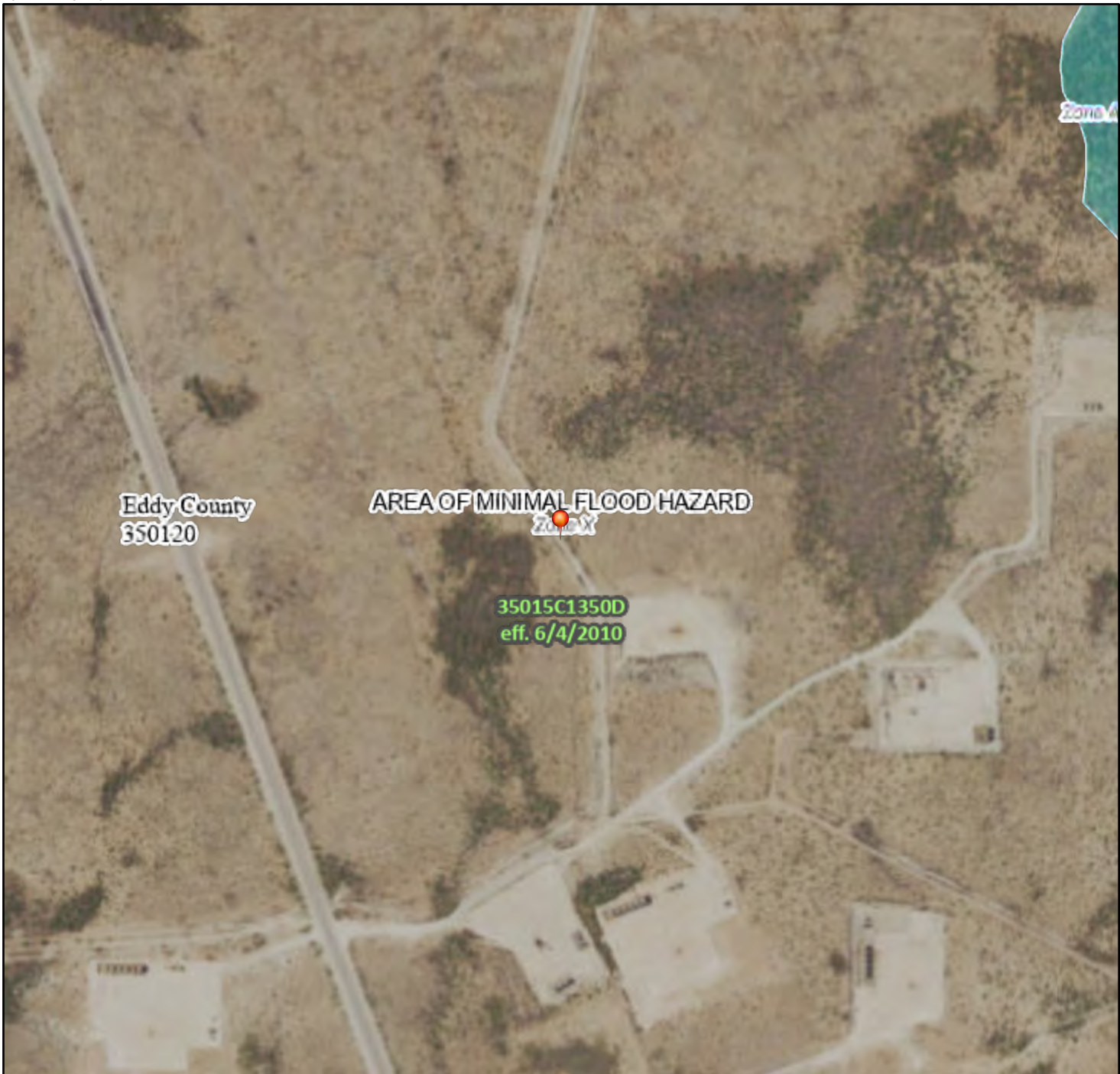


BLM, OCD, New Mexico Tech, USGS, Esri, HERE, Garmin, IPC, Maxar, NM OSE

National Flood Hazard Layer FIRMette



104°2'22"W 32°20'N



1:6,000

104°1'44"W 32°19'30"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **11/2/2023 at 12:13 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.



Longview Federal 1 44H



November 2, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

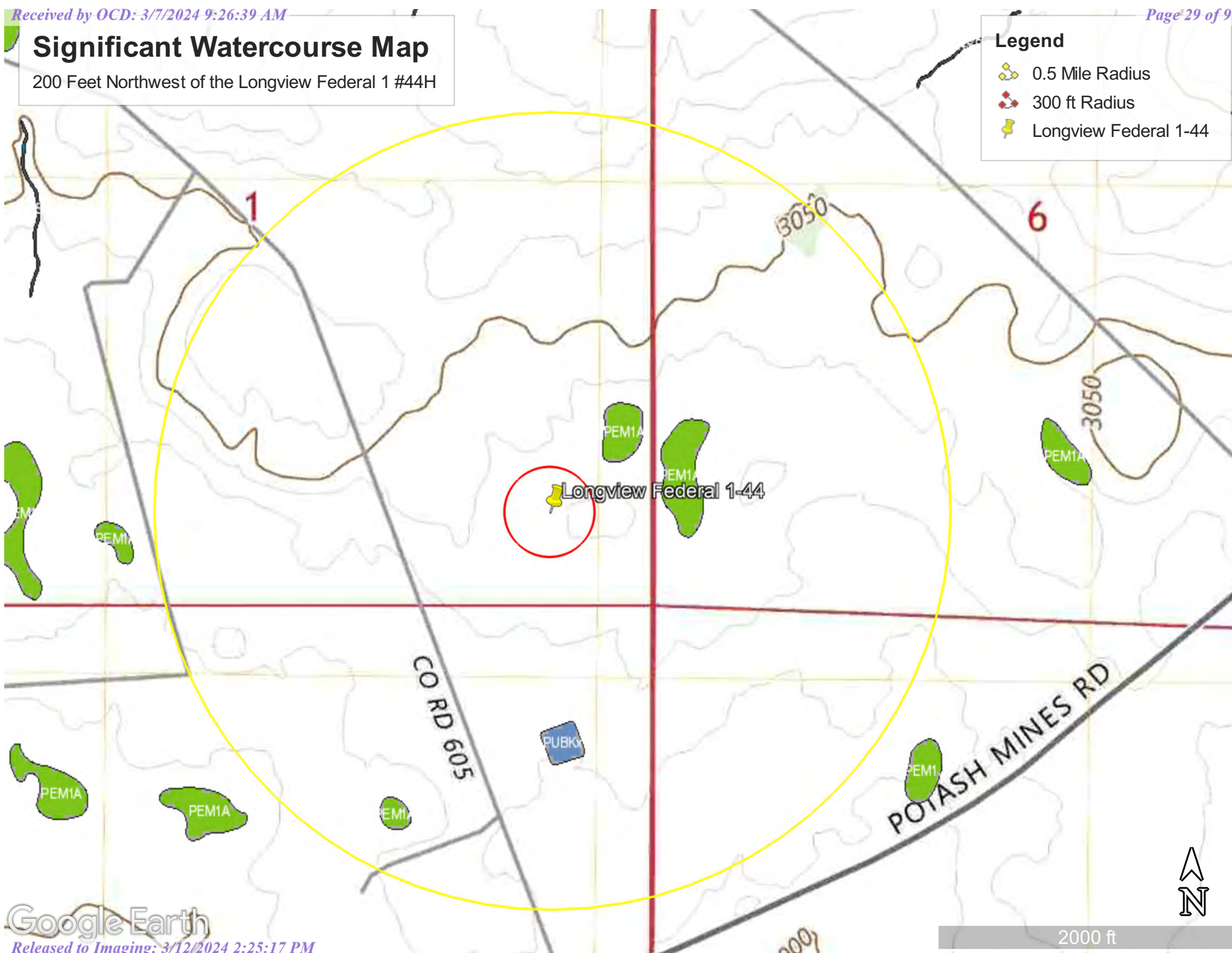
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Significant Watercourse Map

200 Feet Northwest of the Longview Federal 1 #44H

Legend

- 0.5 Mile Radius
- 300 ft Radius
- Longview Federal 1-44



PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 1

Facility: 200 Feet Northwest of the
Longview Federal 1 #44H

County: Eddy County, New Mexico

Description:
Area of concern.



Photograph No. 2

Facility: 200 Feet Northwest of the
Longview Federal 1 #44H

County: Eddy County, New Mexico

Description:
Area of concern.



Photograph No. 3

Facility: 200 Feet Northwest of the
Longview Federal 1 #44H

County: Eddy County, New Mexico

Description:
Area of concern.



PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 4

Facility: 200 Feet Northwest of the
Longview Federal 1 #44H

County: Eddy County, New Mexico

Description:
Area of concern.

**Photograph No. 5**

Facility: 200 Feet Northwest of the
Longview Federal 1 #44H

County: Eddy County, New Mexico

Description:
Area of concern.

**Photograph No. 6**

Facility: 200 Feet Northwest of the
Longview Federal 1 #44H

County: Eddy County, New Mexico

Description:
Area of concern.



PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 7

Facility: 200 Feet Northwest of the Longview Federal 1 #44H

County: Eddy County, New Mexico

Description:
Area of concern.



Photograph No. 8

Facility: 200 Feet Northwest of the Longview Federal 1 #44H

County: Eddy County, New Mexico

Description:
Area of concern.

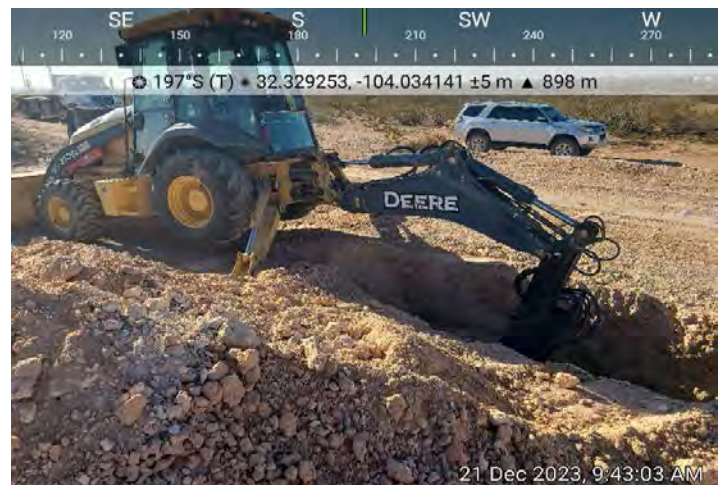


Photograph No. 9

Facility: 200 Feet Northwest of the Longview Federal 1 #44H

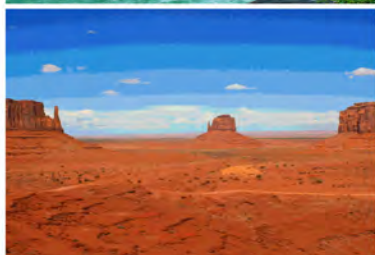
County: Eddy County, New Mexico

Description:
Area of concern.



LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

Report to:
Ethan Sessums



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

NTG-New Tech Global Environmental

Project Name: Longview Federal 1-44

Work Order: E309242

Job Number: 01058-0007

Received: 9/30/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/6/23

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/6/23

Ethan Sessums
911 Regional Park Dr.
Houston, TX 77060



Project Name: Longview Federal 1-44
Workorder: E309242
Date Received: 9/30/2023 9:30:00AM

Ethan Sessums,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/30/2023 9:30:00AM, under the Project Name: Longview Federal 1-44.

The analytical test results summarized in this report with the Project Name: Longview Federal 1-44 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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25

Sample Summary

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Longview Federal 1-44 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/06/23 14:00
---	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
V-1 0-0.5'	E309242-01A	Soil	09/26/23	09/30/23	Glass Jar, 4 oz.
V-1 1-1.5'	E309242-02A	Soil	09/26/23	09/30/23	Glass Jar, 4 oz.
V-2 0-0.5'	E309242-03A	Soil	09/26/23	09/30/23	Glass Jar, 4 oz.
V-2 1-1.5'	E309242-04A	Soil	09/26/23	09/30/23	Glass Jar, 4 oz.
V-3 0-0.5'	E309242-05A	Soil	09/26/23	09/30/23	Glass Jar, 4 oz.
V-4 0-0.5'	E309242-06A	Soil	09/26/23	09/30/23	Glass Jar, 4 oz.
V-5 0-0.5'	E309242-07A	Soil	09/26/23	09/30/23	Glass Jar, 4 oz.
V-6 0-0.5'	E309242-08A	Soil	09/26/23	09/30/23	Glass Jar, 4 oz.
H-1 0-0.5'	E309242-09A	Soil	09/26/23	09/30/23	Glass Jar, 4 oz.
H-2 0-0.5'	E309242-10A	Soil	09/26/23	09/30/23	Glass Jar, 4 oz.
H-3 0-0.5'	E309242-11A	Soil	09/26/23	09/30/23	Glass Jar, 4 oz.
H-4 0-0.5'	E309242-12A	Soil	09/26/23	09/30/23	Glass Jar, 4 oz.
H-5 0-0.5'	E309242-13A	Soil	09/26/23	09/30/23	Glass Jar, 4 oz.
H-6 0-0.5'	E309242-14A	Soil	09/26/23	09/30/23	Glass Jar, 4 oz.



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Longview Federal 1-44
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
10/6/2023 2:00:36PM

V-1 0-0.5'

E309242-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2340021
Benzene	ND	0.0250	1	10/02/23	10/04/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/04/23	
Toluene	ND	0.0250	1	10/02/23	10/04/23	
o-Xylene	ND	0.0250	1	10/02/23	10/04/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/04/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene		113 %	70-130	10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	10/02/23	10/04/23	
Surrogate: Toluene-d8		102 %	70-130	10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2340021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene		113 %	70-130	10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	10/02/23	10/04/23	
Surrogate: Toluene-d8		102 %	70-130	10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340049
Diesel Range Organics (C10-C28)	69.8	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
Surrogate: n-Nonane		103 %	50-200	10/03/23	10/05/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340064
Chloride	232	20.0	1	10/04/23	10/06/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Longview Federal 1-44
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
10/6/2023 2:00:36PM

V-1 1-1.5'

E309242-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2340021
Benzene	ND	0.0250	1	10/02/23	10/04/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/04/23	
Toluene	ND	0.0250	1	10/02/23	10/04/23	
o-Xylene	ND	0.0250	1	10/02/23	10/04/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/04/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene		108 %	70-130	10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	10/02/23	10/04/23	
Surrogate: Toluene-d8		103 %	70-130	10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2340021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene		108 %	70-130	10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	10/02/23	10/04/23	
Surrogate: Toluene-d8		103 %	70-130	10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340049
Diesel Range Organics (C10-C28)	95.7	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	63.7	50.0	1	10/03/23	10/05/23	
Surrogate: n-Nonane		105 %	50-200	10/03/23	10/05/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340064
Chloride	197	20.0	1	10/04/23	10/06/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Longview Federal 1-44
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
10/6/2023 2:00:36PM

V-2 0-0.5'

E309242-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2340021
Benzene	ND	0.0250	1	10/02/23	10/04/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/04/23	
Toluene	ND	0.0250	1	10/02/23	10/04/23	
o-Xylene	ND	0.0250	1	10/02/23	10/04/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/04/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene		110 %	70-130	10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	10/02/23	10/04/23	
Surrogate: Toluene-d8		102 %	70-130	10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2340021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene		110 %	70-130	10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	10/02/23	10/04/23	
Surrogate: Toluene-d8		102 %	70-130	10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340049
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
Surrogate: n-Nonane		104 %	50-200	10/03/23	10/05/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340064
Chloride	70.5	20.0	1	10/04/23	10/06/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Longview Federal 1-44 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/6/2023 2:00:36PM
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V-2 1-1.5'

E309242-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2340021	
Benzene	ND	0.0250	1	10/02/23	10/04/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/04/23	
Toluene	ND	0.0250	1	10/02/23	10/04/23	
o-Xylene	ND	0.0250	1	10/02/23	10/04/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/04/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene	106 %	70-130		10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		10/02/23	10/04/23	
Surrogate: Toluene-d8	101 %	70-130		10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2340021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene	106 %	70-130		10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		10/02/23	10/04/23	
Surrogate: Toluene-d8	101 %	70-130		10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2340049	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/06/23	
Surrogate: n-Nonane	107 %	50-200		10/03/23	10/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340064	
Chloride	22.9	20.0	1	10/04/23	10/06/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Longview Federal 1-44 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/6/2023 2:00:36PM
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V-3 0-0.5'

E309242-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2340021	
Benzene	ND	0.0250	1	10/02/23	10/04/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/04/23	
Toluene	ND	0.0250	1	10/02/23	10/04/23	
o-Xylene	ND	0.0250	1	10/02/23	10/04/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/04/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene	106 %	70-130		10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		10/02/23	10/04/23	
Surrogate: Toluene-d8	101 %	70-130		10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2340021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene	106 %	70-130		10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		10/02/23	10/04/23	
Surrogate: Toluene-d8	101 %	70-130		10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2340049	
Diesel Range Organics (C10-C28)	36.9	25.0	1	10/03/23	10/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/06/23	
Surrogate: n-Nonane	99.9 %	50-200		10/03/23	10/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340064	
Chloride	95.5	20.0	1	10/04/23	10/06/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Longview Federal 1-44 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/6/2023 2:00:36PM
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V-4 0-0.5'

E309242-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2340021
Benzene	ND	0.0250	1	10/02/23	10/04/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/04/23	
Toluene	ND	0.0250	1	10/02/23	10/04/23	
o-Xylene	ND	0.0250	1	10/02/23	10/04/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/04/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene		111 %	70-130	10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	10/02/23	10/04/23	
Surrogate: Toluene-d8		101 %	70-130	10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2340021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene		111 %	70-130	10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	10/02/23	10/04/23	
Surrogate: Toluene-d8		101 %	70-130	10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340049
Diesel Range Organics (C10-C28)	309	25.0	1	10/03/23	10/06/23	
Oil Range Organics (C28-C36)	161	50.0	1	10/03/23	10/06/23	
Surrogate: n-Nonane		103 %	50-200	10/03/23	10/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340064
Chloride	419	20.0	1	10/04/23	10/06/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Longview Federal 1-44 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/6/2023 2:00:36PM
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V-5 0-0.5'

E309242-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2340021
Benzene	ND	0.0250	1	10/02/23	10/04/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/04/23	
Toluene	ND	0.0250	1	10/02/23	10/04/23	
o-Xylene	ND	0.0250	1	10/02/23	10/04/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/04/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene		110 %	70-130	10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	10/02/23	10/04/23	
Surrogate: Toluene-d8		99.7 %	70-130	10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2340021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene		110 %	70-130	10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	10/02/23	10/04/23	
Surrogate: Toluene-d8		99.7 %	70-130	10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340049
Diesel Range Organics (C10-C28)	41.7	25.0	1	10/03/23	10/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/06/23	
Surrogate: n-Nonane		104 %	50-200	10/03/23	10/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340064
Chloride	221	20.0	1	10/04/23	10/06/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Longview Federal 1-44 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/6/2023 2:00:36PM
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V-6 0-0.5'

E309242-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2340021	
Benzene	ND	0.0250	1	10/02/23	10/04/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/04/23	
Toluene	ND	0.0250	1	10/02/23	10/04/23	
o-Xylene	ND	0.0250	1	10/02/23	10/04/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/04/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene		107 %	70-130	10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	10/02/23	10/04/23	
Surrogate: Toluene-d8		103 %	70-130	10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2340021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene		107 %	70-130	10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	10/02/23	10/04/23	
Surrogate: Toluene-d8		103 %	70-130	10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2340049	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/06/23	
Surrogate: n-Nonane		112 %	50-200	10/03/23	10/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340064	
Chloride	94.0	20.0	1	10/04/23	10/06/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Longview Federal 1-44
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
10/6/2023 2:00:36PM

H-1 0-0.5'

E309242-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2340021
Benzene	ND	0.0250	1	10/02/23	10/04/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/04/23	
Toluene	ND	0.0250	1	10/02/23	10/04/23	
o-Xylene	ND	0.0250	1	10/02/23	10/04/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/04/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene		110 %	70-130	10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	10/02/23	10/04/23	
Surrogate: Toluene-d8		101 %	70-130	10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2340021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene		110 %	70-130	10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	10/02/23	10/04/23	
Surrogate: Toluene-d8		101 %	70-130	10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340049
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/06/23	
Surrogate: n-Nonane		104 %	50-200	10/03/23	10/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340064
Chloride	ND	20.0	1	10/04/23	10/06/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Longview Federal 1-44 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/6/2023 2:00:36PM
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H-2 0-0.5'
E309242-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2340021
Benzene	ND	0.0250	1	10/02/23	10/04/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/04/23	
Toluene	ND	0.0250	1	10/02/23	10/04/23	
o-Xylene	ND	0.0250	1	10/02/23	10/04/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/04/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene		110 %	70-130	10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	10/02/23	10/04/23	
Surrogate: Toluene-d8		101 %	70-130	10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2340021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene		110 %	70-130	10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	10/02/23	10/04/23	
Surrogate: Toluene-d8		101 %	70-130	10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340049
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/06/23	
Surrogate: n-Nonane		109 %	50-200	10/03/23	10/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340064
Chloride	ND	20.0	1	10/04/23	10/06/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Longview Federal 1-44 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/6/2023 2:00:36PM
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H-3 0-0.5'
E309242-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2340021
Benzene	ND	0.0250	1	10/02/23	10/04/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/04/23	
Toluene	ND	0.0250	1	10/02/23	10/04/23	
o-Xylene	ND	0.0250	1	10/02/23	10/04/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/04/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene		110 %	70-130	10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	10/02/23	10/04/23	
Surrogate: Toluene-d8		102 %	70-130	10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2340021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene		110 %	70-130	10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	10/02/23	10/04/23	
Surrogate: Toluene-d8		102 %	70-130	10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340049
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/06/23	
Surrogate: n-Nonane		113 %	50-200	10/03/23	10/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340064
Chloride	143	20.0	1	10/04/23	10/06/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Longview Federal 1-44 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/6/2023 2:00:36PM
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H-4 0-0.5'
E309242-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2340021
Benzene	ND	0.0250	1	10/02/23	10/04/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/04/23	
Toluene	ND	0.0250	1	10/02/23	10/04/23	
o-Xylene	ND	0.0250	1	10/02/23	10/04/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/04/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene		107 %	70-130	10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	10/02/23	10/04/23	
Surrogate: Toluene-d8		103 %	70-130	10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2340021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene		107 %	70-130	10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	10/02/23	10/04/23	
Surrogate: Toluene-d8		103 %	70-130	10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340049
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/06/23	
Surrogate: n-Nonane		98.6 %	50-200	10/03/23	10/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340064
Chloride	ND	20.0	1	10/04/23	10/06/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Longview Federal 1-44 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/6/2023 2:00:36PM
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H-5 0-0.5'
E309242-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2340021	
Benzene	ND	0.0250	1	10/02/23	10/04/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/04/23	
Toluene	ND	0.0250	1	10/02/23	10/04/23	
o-Xylene	ND	0.0250	1	10/02/23	10/04/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/04/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene		112 %	70-130	10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	10/02/23	10/04/23	
Surrogate: Toluene-d8		103 %	70-130	10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2340021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene		112 %	70-130	10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	10/02/23	10/04/23	
Surrogate: Toluene-d8		103 %	70-130	10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2340049	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/06/23	
Surrogate: n-Nonane		94.6 %	50-200	10/03/23	10/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340064	
Chloride	ND	20.0	1	10/04/23	10/06/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Longview Federal 1-44
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
10/6/2023 2:00:36PM

H-6 0-0.5'

E309242-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2340021
Benzene	ND	0.0250	1	10/02/23	10/04/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/04/23	
Toluene	ND	0.0250	1	10/02/23	10/04/23	
o-Xylene	ND	0.0250	1	10/02/23	10/04/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/04/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene		110 %	70-130	10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130	10/02/23	10/04/23	
Surrogate: Toluene-d8		104 %	70-130	10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2340021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/04/23	
Surrogate: Bromofluorobenzene		110 %	70-130	10/02/23	10/04/23	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130	10/02/23	10/04/23	
Surrogate: Toluene-d8		104 %	70-130	10/02/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340049
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/06/23	
Surrogate: n-Nonane		91.3 %	50-200	10/03/23	10/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340064
Chloride	ND	20.0	1	10/04/23	10/06/23	



QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Longview Federal 1-44	Reported:
911 Regional Park Dr.	Project Number:	01058-0007	
Houston TX, 77060	Project Manager:	Ethan Sessums	10/6/2023 2:00:36PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2340021-BLK1) Prepared: 10/02/23 Analyzed: 10/04/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

LCS (2340021-BS1) Prepared: 10/02/23 Analyzed: 10/04/23

Benzene	2.31	0.0250	2.50		92.5	70-130			
Ethylbenzene	2.37	0.0250	2.50		95.0	70-130			
Toluene	2.25	0.0250	2.50		89.9	70-130			
o-Xylene	2.40	0.0250	2.50		96.0	70-130			
p,m-Xylene	4.71	0.0500	5.00		94.1	70-130			
Total Xylenes	7.11	0.0250	7.50		94.8	70-130			
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.1	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.8	70-130			

Matrix Spike (2340021-MS1) Source: E309242-02 Prepared: 10/02/23 Analyzed: 10/04/23

Benzene	2.44	0.0250	2.50	ND	97.6	48-131			
Ethylbenzene	2.47	0.0250	2.50	ND	99.0	45-135			
Toluene	2.38	0.0250	2.50	ND	95.0	48-130			
o-Xylene	2.46	0.0250	2.50	ND	98.5	43-135			
p,m-Xylene	4.81	0.0500	5.00	ND	96.2	43-135			
Total Xylenes	7.27	0.0250	7.50	ND	96.9	43-135			
Surrogate: Bromofluorobenzene	0.530		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

Matrix Spike Dup (2340021-MSD1) Source: E309242-02 Prepared: 10/02/23 Analyzed: 10/04/23

Benzene	2.58	0.0250	2.50	ND	103	48-131	5.50	23	
Ethylbenzene	2.69	0.0250	2.50	ND	108	45-135	8.29	27	
Toluene	2.59	0.0250	2.50	ND	104	48-130	8.62	24	
o-Xylene	2.86	0.0250	2.50	ND	114	43-135	14.8	27	
p,m-Xylene	5.54	0.0500	5.00	ND	111	43-135	14.2	27	
Total Xylenes	8.40	0.0250	7.50	ND	112	43-135	14.4	27	
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			



QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Longview Federal 1-44	Reported: 10/6/2023 2:00:36PM
911 Regional Park Dr.	Project Number:	01058-0007	
Houston TX, 77060	Project Manager:	Ethan Sessums	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2340021-BLK1) Prepared: 10/02/23 Analyzed: 10/04/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

LCS (2340021-BS2) Prepared: 10/02/23 Analyzed: 10/04/23

Gasoline Range Organics (C6-C10)	54.7	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	0.552		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.3	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			

Matrix Spike (2340021-MS2) Source: E309242-02 Prepared: 10/02/23 Analyzed: 10/04/23

Gasoline Range Organics (C6-C10)	54.7	20.0	50.0	ND	109	70-130			
Surrogate: Bromofluorobenzene	0.541		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

Matrix Spike Dup (2340021-MSD2) Source: E309242-02 Prepared: 10/02/23 Analyzed: 10/04/23

Gasoline Range Organics (C6-C10)	59.7	20.0	50.0	ND	119	70-130	8.76	20	
Surrogate: Bromofluorobenzene	0.555		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Longview Federal 1-44 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/6/2023 2:00:36PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2340049-BLK1) Prepared: 10/03/23 Analyzed: 10/05/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.5		50.0		105	50-200			

LCS (2340049-BS1) Prepared: 10/03/23 Analyzed: 10/05/23

Diesel Range Organics (C10-C28)	233	25.0	250		93.2	38-132			
Surrogate: n-Nonane	51.9		50.0		104	50-200			

Matrix Spike (2340049-MS1) Source: E309242-14 Prepared: 10/03/23 Analyzed: 10/05/23

Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.6	38-132			
Surrogate: n-Nonane	52.8		50.0		106	50-200			

Matrix Spike Dup (2340049-MSD1) Source: E309242-14 Prepared: 10/03/23 Analyzed: 10/05/23

Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	38-132	9.39	20	
Surrogate: n-Nonane	57.3		50.0		115	50-200			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Longview Federal 1-44 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/6/2023 2:00:36PM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2340064-BLK1)					Prepared: 10/04/23 Analyzed: 10/06/23				
Chloride	ND	20.0							
LCS (2340064-BS1)					Prepared: 10/04/23 Analyzed: 10/06/23				
Chloride	247	20.0	250		98.8	90-110			
Matrix Spike (2340064-MS1)					Source: E309242-01		Prepared: 10/04/23 Analyzed: 10/06/23		
Chloride	435	20.0	250	232	81.1	80-120			
Matrix Spike Dup (2340064-MSD1)					Source: E309242-01		Prepared: 10/04/23 Analyzed: 10/06/23		
Chloride	457	20.0	250	232	89.8	80-120	4.85	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

NTG-New Tech Global Environmental	Project Name:	Longview Federal 1-44	
911 Regional Park Dr.	Project Number:	01058-0007	Reported:
Houston TX, 77060	Project Manager:	Ethan Sessums	10/06/23 14:00

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Chain of Custody


 Work Order No: E309242
 Job# 01058-0007
Page 1 of 2

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

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

Project Name:		Longview Federal 1-44		Turn Around				ANALYSIS REQUEST												Preservative Codes			
Project Number:		237866		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code														None: NO DI Water: H ₂ O			
Project Location		Eddy Co, NM		Due Date:																Cool: Cool MeOH: Me			
Sampler's Name:		Grant Gardner		TAT starts the day received by the lab, if received by 4:30pm																HCL: HC HNO ₃ : HN			
PO #:		21217951																		H ₂ SO ₄ : H ₂ NaOH: Na			
SAMPLE RECEIPT		Temp Blank:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>														H ₃ PO ₄ : HP	
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:																NaHSO ₄ : NABIS			
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:																Na ₂ S ₂ O ₅ : NaSO ₃			
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		48														Zn Acetate+NaOH: Zn			
Total Containers:		14		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC			
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont	HOLD												Sample Comments			
V-1	0-0.5	9/26/2023		X		Grab	1	X	X	X								1					
V-1	1-1.5	9/26/2023		X		Grab	1	X	X	X								2					
V-2	0-0.5	9/26/2023		X		Grab	1	X	X	X								3					
V-2	1-1.5	9/26/2023		X		Grab	1	X	X	X								4					
V-3	0-0.5	9/26/2023		X		Grab	1	X	X	X								5					
V-4	0-0.5	9/26/2023		X		Grab	1	X	X	X								6					
V-5	0-0.5	9/26/2023		X		Grab	1	X	X	X								7					
V-6	0-0.5	9/26/2023		X		Grab	1	X	X	X								8					
H-1	0-0.5	9/26/2023		X		Grab	1	X	X	X								9					
H-2	0-0.5	9/26/2023		X		Grab	1	X	X	X								10					

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
		9/29/23 1030			9/27/23 2330
		9/30/23 930			



Chain of Custody

 Work Order No: E309242
 Job# 01058-0007
Page 2 of 2

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

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

Project Name:		Longview Federal 1-44		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes			
Project Number:		237866		<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 ₂ O	
Project Location:		Eddy Co, NM		TAT starts the day received by the lab, if received by 4:30pm																Cool: Cool		MeOH: Me	
Sampler's Name:		Grant Gardner																		HCL: HC		HNO ₃ : HN	
PO #:		21217951																		H ₂ SO ₄ : H ₂		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 ₃ PO ₄ : HP	
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:				NaHSO ₄ : NABIS															
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:				Na ₂ S ₂ O ₃ : NaSO ₃															
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		40°C		Zn Acetate+NaOH: Zn															
Total Containers:		14		Corrected Temperature:				NaOH+Ascorbic Acid: SAPC															
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments			
H-3	0-0.5	9/26/2023		X		Grab	1	X	X	X								11					
H-4	0-0.5	9/26/2023		X		Grab	1	X	X	X								12					
H-5	0-0.5	9/26/2023		X		Grab	1	X	X	X								13					
H-6	0-0.5	9/26/2023		X		Grab	1	X	X	X								14					
																		15					
																		16					
																		17					
																		18					
																		19					
																		20 CM					

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
		9-29-23 1030			9/29/23 2330
		9/30/23 930			

Envirotech Analytical Laboratory

Printed: 10/2/2023 10:55:02AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	NTG-New Tech Global Environmental	Date Received:	09/30/23 09:30	Work Order ID:	E309242
Phone:	(281) 872-9300	Date Logged In:	09/29/23 19:26	Logged In By:	Alexa Michaels
Email:	esssums@ntglobal.com	Due Date:	10/06/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Time sampled not provided on COC per client. SRC email not sent per client request.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.



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

November 10, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: LONGVIEW FED 1 #44

Enclosed are the results of analyses for samples received by the laboratory on 11/07/23 13:04.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/07/2023
 Reported: 11/10/2023
 Project Name: LONGVIEW FED 1 #44
 Project Number: 237866
 Project Location: DEVON - EDDY COUNTY, NM

Sampling Date: 11/07/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 1 (0-6) (H236100-01)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2023	ND	1.98	99.2	2.00	8.15		
Toluene*	<0.050	0.050	11/09/2023	ND	2.05	102	2.00	7.15		
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	2.04	102	2.00	7.91		
Total Xylenes*	<0.150	0.150	11/09/2023	ND	6.09	101	6.00	8.00		
Total BTEX	<0.300	0.300	11/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	11/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	202	101	200	7.03	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	206	103	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/07/2023
 Reported: 11/10/2023
 Project Name: LONGVIEW FED 1 #44
 Project Number: 237866
 Project Location: DEVON - EDDY COUNTY, NM

Sampling Date: 11/07/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 1 (1-1.5) (H236100-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2023	ND	1.98	99.2	2.00	8.15		
Toluene*	<0.050	0.050	11/09/2023	ND	2.05	102	2.00	7.15		
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	2.04	102	2.00	7.91		
Total Xylenes*	<0.150	0.150	11/09/2023	ND	6.09	101	6.00	8.00		
Total BTEX	<0.300	0.300	11/09/2023	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	48.0	16.0	11/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	202	101	200	7.03	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	206	103	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 90.0 % 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: 11/07/2023
 Reported: 11/10/2023
 Project Name: LONGVIEW FED 1 #44
 Project Number: 237866
 Project Location: DEVON - EDDY COUNTY, NM

Sampling Date: 11/07/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 1 (2-2.5) (H236100-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2023	ND	1.98	99.2	2.00	8.15		
Toluene*	<0.050	0.050	11/09/2023	ND	2.05	102	2.00	7.15		
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	2.04	102	2.00	7.91		
Total Xylenes*	<0.150	0.150	11/09/2023	ND	6.09	101	6.00	8.00		
Total BTEX	<0.300	0.300	11/09/2023	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	48.0	16.0	11/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	202	101	200	7.03	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	206	103	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 101 % 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: 11/07/2023
 Reported: 11/10/2023
 Project Name: LONGVIEW FED 1 #44
 Project Number: 237866
 Project Location: DEVON - EDDY COUNTY, NM

Sampling Date: 11/07/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 1 (3-3.5) (H236100-04)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2023	ND	1.98	99.2	2.00	8.15		
Toluene*	<0.050	0.050	11/09/2023	ND	2.05	102	2.00	7.15		
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	2.04	102	2.00	7.91		
Total Xylenes*	<0.150	0.150	11/09/2023	ND	6.09	101	6.00	8.00		
Total BTEX	<0.300	0.300	11/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	48.0	16.0	11/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	202	101	200	7.03	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	206	103	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/07/2023
 Reported: 11/10/2023
 Project Name: LONGVIEW FED 1 #44
 Project Number: 237866
 Project Location: DEVON - EDDY COUNTY, NM

Sampling Date: 11/07/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 1 (4-4.5) (H236100-05)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2023	ND	1.98	99.2	2.00	8.15		
Toluene*	<0.050	0.050	11/09/2023	ND	2.05	102	2.00	7.15		
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	2.04	102	2.00	7.91		
Total Xylenes*	<0.150	0.150	11/09/2023	ND	6.09	101	6.00	8.00		
Total BTEX	<0.300	0.300	11/09/2023	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	240	16.0	11/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	202	101	200	7.03	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	206	103	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/07/2023
 Reported: 11/10/2023
 Project Name: LONGVIEW FED 1 #44
 Project Number: 237866
 Project Location: DEVON - EDDY COUNTY, NM

Sampling Date: 11/07/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 1 (5-5.5) (H236100-06)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2023	ND	1.98	99.2	2.00	8.15		
Toluene*	<0.050	0.050	11/09/2023	ND	2.05	102	2.00	7.15		
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	2.04	102	2.00	7.91		
Total Xylenes*	<0.150	0.150	11/09/2023	ND	6.09	101	6.00	8.00		
Total BTEX	<0.300	0.300	11/09/2023	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	368	16.0	11/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	202	101	200	7.03	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	206	103	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/07/2023
 Reported: 11/10/2023
 Project Name: LONGVIEW FED 1 #44
 Project Number: 237866
 Project Location: DEVON - EDDY COUNTY, NM

Sampling Date: 11/07/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 4 (0-6) (H236100-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2023	ND	1.98	99.2	2.00	8.15		
Toluene*	<0.050	0.050	11/09/2023	ND	2.05	102	2.00	7.15		
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	2.04	102	2.00	7.91		
Total Xylenes*	<0.150	0.150	11/09/2023	ND	6.09	101	6.00	8.00		
Total BTEx	<0.300	0.300	11/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	202	101	200	7.03	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	206	103	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/07/2023
 Reported: 11/10/2023
 Project Name: LONGVIEW FED 1 #44
 Project Number: 237866
 Project Location: DEVON - EDDY COUNTY, NM

Sampling Date: 11/07/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 4 (1-1.5) (H236100-08)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2023	ND	1.98	99.2	2.00	8.15	
Toluene*	<0.050	0.050	11/09/2023	ND	2.05	102	2.00	7.15	
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	2.04	102	2.00	7.91	
Total Xylenes*	<0.150	0.150	11/09/2023	ND	6.09	101	6.00	8.00	
Total BTEX	<0.300	0.300	11/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	3000	16.0	11/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	202	101	200	7.03	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	206	103	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 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: 11/07/2023
 Reported: 11/10/2023
 Project Name: LONGVIEW FED 1 #44
 Project Number: 237866
 Project Location: DEVON - EDDY COUNTY, NM

Sampling Date: 11/07/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 4 (2-2.5) (H236100-09)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2023	ND	1.98	99.2	2.00	8.15		
Toluene*	<0.050	0.050	11/09/2023	ND	2.05	102	2.00	7.15		
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	2.04	102	2.00	7.91		
Total Xylenes*	<0.150	0.150	11/09/2023	ND	6.09	101	6.00	8.00		
Total BTEX	<0.300	0.300	11/09/2023	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	3680	16.0	11/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	202	101	200	7.03	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	206	103	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/07/2023
 Reported: 11/10/2023
 Project Name: LONGVIEW FED 1 #44
 Project Number: 237866
 Project Location: DEVON - EDDY COUNTY, NM

Sampling Date: 11/07/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 4 (3-3.5) (H236100-10)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2023	ND	1.98	99.2	2.00	8.15		
Toluene*	<0.050	0.050	11/09/2023	ND	2.05	102	2.00	7.15		
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	2.04	102	2.00	7.91		
Total Xylenes*	<0.150	0.150	11/09/2023	ND	6.09	101	6.00	8.00		
Total BTEX	<0.300	0.300	11/09/2023	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	5600	16.0	11/08/2023	ND	432	108	400	3.64	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	202	101	200	7.03	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	206	103	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/07/2023
 Reported: 11/10/2023
 Project Name: LONGVIEW FED 1 #44
 Project Number: 237866
 Project Location: DEVON - EDDY COUNTY, NM

Sampling Date: 11/07/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 4 (4-4.5) (H236100-11)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2023	ND	1.98	99.2	2.00	8.15		
Toluene*	<0.050	0.050	11/09/2023	ND	2.05	102	2.00	7.15		
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	2.04	102	2.00	7.91		
Total Xylenes*	<0.150	0.150	11/09/2023	ND	6.09	101	6.00	8.00		
Total BTEX	<0.300	0.300	11/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	5600	16.0	11/08/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	201	100	200	1.96	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	189	94.4	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 110 % 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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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "C. 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

Company Name: NTGE		BILL TO		ANALYSIS REQUEST	
Project Manager: Ethan Sessions		P.O. #:			
Address: 209 W Meloy St		Company:			
City: Carlsbad		Attn:			
State: NM		Address:			
Zip: 88220		City:			
Phone #: (254) 246-5456		Fax #:			
Project #: 237866		Project Owner:			
Project Name: Longview Fed. 1 #44		State:			
Project Location: Eddy Co		Zip:			
Sampler Name: Clayton Lomas		Phone #:			
Fax #:					
FOR LAB USE ONLY					
Lab I.D. H334100		Sample I.D.			
V-1 (6-6) V-1 (0-1.5) V-1 (2-2.5) V-1 (3-3.5) V-1 (4-4.5) V-1 (5-5.5) V-4 (0-1) V-4 (1-1.5) V-4 (2-2.5) V-4 (3-3.5)		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:		DATE TIME	
11/17 10:00 10:03 10:06 10:09 10:12 10:15 10:18 10:21 10:24 10:27		TPH BTEX Chloride			
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Relinquished By: Clayton Lomas		Received By: Longview Fed. 1 #44		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Add'l Phone #:	
Relinquished Date: 11/13/2023		Received Date: 11/13/2023		All Results are emailed. Please provide Email address:	
Relinquished Time: 1304		Received Time: 1304		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C Corrected Temp. °C		Sample Condition Cool Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Checked By: (Initials) Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) Sample Condition Cool Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Observed Temp. °C Corrected Temp. °C	

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:		NICE			BILL TO		ANALYSIS REQUEST											
Project Manager:		Ethan Sessions																
Address:		209 W McKay St Carlsbad NM State: NM Zip: 88220			P.O. #:													
City:		Carlsbad			Company:													
Phone #:		(254) 266-5451 Fax #:			Attn:													
Project #:		237886 Project Owner:			Address:													
Project Location:		Longview Fed 1 #44 Eddy CO			State:		Zip:											
Sampler Name:		Clayton Thomas			Phone #:													
FOR LAB USE ONLY					Fax #:													
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING												
HQ30100	V-U (U-U.S)	C	I	GROUNDWATER	/	DATE TIME	TPH	BTEX	Chloride									
11				SLUDGE		11/7 10:30												
				OIL														
				OTHER :														
				ACID/BASE:														
				ICE / COOL														
				OTHER :														
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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 28, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: LONGVIEW FED 1 #44

Enclosed are the results of analyses for samples received by the laboratory on 12/21/23 12:00.

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.

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: 12/21/2023
 Reported: 12/28/2023
 Project Name: LONGVIEW FED 1 #44
 Project Number: 237866
 Project Location: DEVON - EDDY COUNTY, NM

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 1 1 FT (H236806-01)

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	12/27/2023	ND	1.98	98.9	2.00	3.92	
Toluene*	<0.050	0.050	12/27/2023	ND	1.96	98.2	2.00	3.06	
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	1.93	96.3	2.00	2.58	
Total Xylenes*	<0.150	0.150	12/27/2023	ND	5.69	94.8	6.00	2.60	
Total BTX	<0.300	0.300	12/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	12/27/2023	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	12/23/2023	ND	217	109	200	6.65	
DRO >C10-C28*	<10.0	10.0	12/23/2023	ND	200	100	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	12/23/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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: 12/21/2023
 Reported: 12/28/2023
 Project Name: LONGVIEW FED 1 #44
 Project Number: 237866
 Project Location: DEVON - EDDY COUNTY, NM

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 1 2 FT (H236806-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2023	ND	1.98	98.9	2.00	3.92		
Toluene*	<0.050	0.050	12/27/2023	ND	1.96	98.2	2.00	3.06		
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	1.93	96.3	2.00	2.58		
Total Xylenes*	<0.150	0.150	12/27/2023	ND	5.69	94.8	6.00	2.60		
Total BTEX	<0.300	0.300	12/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	512	16.0	12/27/2023	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	12/23/2023	ND	217	109	200	6.65	
DRO >C10-C28*	<10.0	10.0	12/23/2023	ND	200	100	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	12/23/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 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: 12/21/2023
 Reported: 12/28/2023
 Project Name: LONGVIEW FED 1 #44
 Project Number: 237866
 Project Location: DEVON - EDDY COUNTY, NM

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 1 3 FT (H236806-03)

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	12/27/2023	ND	1.98	98.9	2.00	3.92	
Toluene*	<0.050	0.050	12/27/2023	ND	1.96	98.2	2.00	3.06	
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	1.93	96.3	2.00	2.58	
Total Xylenes*	<0.150	0.150	12/27/2023	ND	5.69	94.8	6.00	2.60	
Total BTEX	<0.300	0.300	12/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	960	16.0	12/27/2023	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	12/23/2023	ND	217	109	200	6.65	
DRO >C10-C28*	<10.0	10.0	12/23/2023	ND	200	100	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	12/23/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 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: 12/21/2023
 Reported: 12/28/2023
 Project Name: LONGVIEW FED 1 #44
 Project Number: 237866
 Project Location: DEVON - EDDY COUNTY, NM

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 1 4 FT (H236806-04)

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	12/27/2023	ND	1.98	98.9	2.00	3.92	
Toluene*	<0.050	0.050	12/27/2023	ND	1.96	98.2	2.00	3.06	
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	1.93	96.3	2.00	2.58	
Total Xylenes*	<0.150	0.150	12/27/2023	ND	5.69	94.8	6.00	2.60	
Total BTEx	<0.300	0.300	12/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	672	16.0	12/27/2023	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	12/27/2023	ND	207	103	200	0.951	
DRO >C10-C28*	<10.0	10.0	12/27/2023	ND	188	94.0	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 75.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/21/2023
 Reported: 12/28/2023
 Project Name: LONGVIEW FED 1 #44
 Project Number: 237866
 Project Location: DEVON - EDDY COUNTY, NM

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 1 5 FT (H236806-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2023	ND	1.98	98.9	2.00	3.92		
Toluene*	<0.050	0.050	12/27/2023	ND	1.96	98.2	2.00	3.06		
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	1.93	96.3	2.00	2.58		
Total Xylenes*	<0.150	0.150	12/27/2023	ND	5.69	94.8	6.00	2.60		
Total BTEX	<0.300	0.300	12/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	12/27/2023	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	12/27/2023	ND	207	103	200	0.951	
DRO >C10-C28*	<10.0	10.0	12/27/2023	ND	188	94.0	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 12/21/2023
 Reported: 12/28/2023
 Project Name: LONGVIEW FED 1 #44
 Project Number: 237866
 Project Location: DEVON - EDDY COUNTY, NM

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 1 6 FT (H236806-06)

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	12/27/2023	ND	1.98	98.9	2.00	3.92		
Toluene*	<0.050	0.050	12/27/2023	ND	1.96	98.2	2.00	3.06		
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	1.93	96.3	2.00	2.58		
Total Xylenes*	<0.150	0.150	12/27/2023	ND	5.69	94.8	6.00	2.60		
Total BTEx	<0.300	0.300	12/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	528	16.0	12/27/2023	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	12/27/2023	ND	207	103	200	0.951	
DRO >C10-C28*	<10.0	10.0	12/27/2023	ND	188	94.0	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 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: 12/21/2023
 Reported: 12/28/2023
 Project Name: LONGVIEW FED 1 #44
 Project Number: 237866
 Project Location: DEVON - EDDY COUNTY, NM

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 1 7 FT (H236806-07)

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	12/27/2023	ND	1.98	98.9	2.00	3.92	
Toluene*	<0.050	0.050	12/27/2023	ND	1.96	98.2	2.00	3.06	
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	1.93	96.3	2.00	2.58	
Total Xylenes*	<0.150	0.150	12/27/2023	ND	5.69	94.8	6.00	2.60	
Total BTEx	<0.300	0.300	12/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	384	16.0	12/27/2023	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	12/27/2023	ND	207	103	200	0.951	
DRO >C10-C28*	<10.0	10.0	12/27/2023	ND	188	94.0	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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Analytical Results For:

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

Received: 12/21/2023
 Reported: 12/28/2023
 Project Name: LONGVIEW FED 1 #44
 Project Number: 237866
 Project Location: DEVON - EDDY COUNTY, NM

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 1 8 FT (H236806-08)

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	12/27/2023	ND	1.98	98.9	2.00	3.92		
Toluene*	<0.050	0.050	12/27/2023	ND	1.96	98.2	2.00	3.06		
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	1.93	96.3	2.00	2.58		
Total Xylenes*	<0.150	0.150	12/27/2023	ND	5.69	94.8	6.00	2.60		
Total BTEx	<0.300	0.300	12/27/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	12/27/2023	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	12/27/2023	ND	207	103	200	0.951	
DRO >C10-C28*	<10.0	10.0	12/27/2023	ND	188	94.0	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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: 12/21/2023
 Reported: 12/28/2023
 Project Name: LONGVIEW FED 1 #44
 Project Number: 237866
 Project Location: DEVON - EDDY COUNTY, NM

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 1 9 FT (H236806-09)

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	12/27/2023	ND	2.26	113	2.00	8.46	
Toluene*	<0.050	0.050	12/27/2023	ND	2.26	113	2.00	8.28	
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	2.23	112	2.00	7.83	
Total Xylenes*	<0.150	0.150	12/27/2023	ND	6.74	112	6.00	7.83	
Total BTEX	<0.300	0.300	12/27/2023	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	224	16.0	12/27/2023	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	12/27/2023	ND	207	103	200	0.951	
DRO >C10-C28*	<10.0	10.0	12/27/2023	ND	188	94.0	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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: 12/21/2023
 Reported: 12/28/2023
 Project Name: LONGVIEW FED 1 #44
 Project Number: 237866
 Project Location: DEVON - EDDY COUNTY, NM

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 1 10 FT (H236806-10)

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	12/27/2023	ND	2.26	113	2.00	8.46		
Toluene*	<0.050	0.050	12/27/2023	ND	2.26	113	2.00	8.28		
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	2.23	112	2.00	7.83		
Total Xylenes*	<0.150	0.150	12/27/2023	ND	6.74	112	6.00	7.83		
Total BTEx	<0.300	0.300	12/27/2023	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	432	16.0	12/27/2023	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	12/27/2023	ND	207	103	200	0.951	
DRO >C10-C28*	<10.0	10.0	12/27/2023	ND	188	94.0	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Work Order No.:

H236806

Page 1 of 1

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> upfund <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:	

Project Name:		Longview Federal 1-44			Turn Around		ANALYSIS REQUEST													Preservative Codes										
Project Number:		237866			<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush															None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₅ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC										
Project Location:		Eddy Co., NM			Due Date:															DI Water: H ₂ O MeOH: Me HNO ₃ : HN NaOH: Na										
Sampler's Name:		Clayton Tumas			TAT starts the day received by the lab, if received by 4:30pm																									
PO #:		21217951																												
SAMPLE RECEIPT					Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> Wet Ice: <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Parameters																	
Received Intact:					Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		140		BTEx 8021B																			
Cooler Custody Seals:					Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Correction Factor:				TPH 8015M (GRO + DRO + MRO)																			
Sample Custody Seals:					Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Temperature Reading:		-0.1C		Chloride 4500																			
Total Containers:					10		Corrected Temperature:				HOLD																			
Sample Identification		Depth (ft bgs)		Date		Time		Soil		Water		Grab/Comp		# of Cont															Sample Comments	
TP-1		1ft		12/21/2023		9:00		X				Grab		1		X														
TP-1		2ft		12/21/2023		9:03		X				Grab		1		X														
TP-1		3ft		12/21/2023		9:06		X				Grab		1		X														
TP-1		4ft		12/21/2023		9:09		X				Grab		1		X														
TP-1		5ft		12/21/2023		9:12		X				Grab		1		X														
TP-1		6ft		12/21/2023		9:15		X				Grab		1		X														
TP-1		7ft		12/21/2023		9:18		X				Grab		1		X														
TP-1		8ft		12/21/2023		9:21		X				Grab		1		X														
TP-1		9ft		12/21/2023		9:24		X				Grab		1		X														
TP-1		10ft		12/21/2023		9:27		X				Grab		1		X														

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 <i>[Signature]</i>	<i>[Signature]</i>	12-21-23 1200	2		
3			4		
5			6		

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1220 S. St Francis Dr., Santa Fe, NM 87505
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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 321129

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	321129
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2324024755
Incident Name	NAPP2324024755 200 FEET NORTHWEST OF THE LONGVIEW FEDERAL 1 #44H @ 30-015-38070
Incident Type	Release Other
Incident Status	Remediation Plan Received
Incident Well	[30-015-38070] LONGVIEW FEDERAL 1 #044

Location of Release Source	
Please answer all the questions in this group.	
Site Name	200 FEET NORTHWEST OF THE LONGVIEW FEDERAL 1 #44H
Date Release Discovered	08/26/2023
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Condensate Released: 9 BBL Recovered: 1 BBL Lost: 8 BBL.
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)	LO found gas and liquid leaking from beneath the surface at a gas line for the Longview Compressor Station. The operator immediately shut in all the wells associated with the gas line. Shutdown all compressors at the Longview Compressor Station. Leak was discovered on the lease road approximately 200 feet northwest of the Longview Federal 1 #44H.

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QUESTIONS, Page 2

Action 321129

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	321129
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

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

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: 03/07/2024
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QUESTIONS, Page 3

Action 321129

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 321129
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
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 500 and 1000 (ft.)
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	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

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)	5600
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	470
GRO+DRO (EPA SW-846 Method 8015M)	309
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	02/05/2024
On what date will (or did) the final sampling or liner inspection occur	03/05/2024
On what date will (or was) the remediation complete(d)	03/12/2024
What is the estimated surface area (in square feet) that will be reclaimed	1673
What is the estimated volume (in cubic yards) that will be reclaimed	236
What is the estimated surface area (in square feet) that will be remediated	1673
What is the estimated volume (in cubic yards) that will be remediated	236

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 321129

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	321129
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 03/07/2024
<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 321129

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 321129
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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	No

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QUESTIONS, Page 6

Action 321129

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 321129
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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

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CONDITIONS

Action 321129

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 321129
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples should be collected every 200 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. The work will need to occur in 90 days after the work plan has been reviewed.	3/12/2024