

Incident ID	nAPP2307949749
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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?	55' (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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Oil Conservation Division

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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: Dale Woodall Date: 7/20/2023
email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Shelly Wells Date: 7/20/2023

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Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Shelly Wells Date: 7/20/2023

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

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Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date: 7/20/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Shelly Wells Date: 7/20/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



209 W. McKay
Carlsbad, New Mexico 88220
Tel. 432.701.2159
www.ntgenvironmental.com

June 30, 2023

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

Re: Closure Report
Longview Federal 12 #013H
Unit D, S12, T23S, R28E
Site Coordinates: 32.3249092, -104.0478363
Eddy County, New Mexico
Incident ID: nAPP2307949749

Mr. Bratcher:

On behalf of Devon Energy Production Company (Devon), NTG Environmental, LLC (NTGE) has prepared this letter to document site assessment and remedial action activities at the Longview Federal 12 #013H (Site). The Site is located approximately 3.85 miles northeast of Loving, New Mexico in Eddy County (Figures 1 and 2).

Background

Based on the initial C-141 (attached) obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on March 18th, 2023. The release occurred because the flare pilot supply had wet gas dripping down resulting in a small spill and brush fire. The fire department was called, and the fire was extinguished. Approximately 0.13 barrels (bbls) of crude oil were released of which, 0 bbls were recovered. Upon discovery, the line was shut-in, and the area secured. The release area is shown in Figure 3.

Site Characterization

Based on a review of the New Mexico Office of State Engineers and USGS databases, there is one known water sources within a ½-mile radius of the Site. The site is located within a low karst area. The nearest identified well is located approximately 0.30 miles east of the Site in Sec 12 T23S R28E. The well was drilled in 2020 and there was no groundwater encountered in the first 55 feet below ground surface (ft bgs). A copy of the site characterization information and the associated USGS and NMSEO summary report is attached.

Regulatory Criteria

In accordance with the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria are applicable to the Site. For four (4) ft bgs and below:

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH (GRO + DRO + MRO): 2500 mg/kg.

Mr. Mike Bratcher
June 30, 2023
Page 2 of 3

- TPH (GRO + DRO) 1000mg/kg
- Chloride: 10000 mg/kg

And the following for the first four (4) ft bgs:

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH (GRO + DRO + MRO): 100 mg/kg.
- Chloride: 600 mg/kg

Site Assessment

On April 6th, 2023, and April 18th, 2023, NTG Environmental, LLC (NTGE) conducted site assessment activities to assess the extent of impacts at the Site. A total of four (4) vertical sample points (i.e., CS-1 through CS-4), as well as six (6) horizontal sample points (i.e., H-1 through H-6) were installed within the release area to characterize the release. Soil samples were collected in 0.5 ft depth intervals, ranging from 0 – 4.5 ft bgs. Sample locations from NTGE's assessment activities are shown in Figure 3. Analytical results from NTGE's assessment (attached in Table 1), indicated that total petroleum hydrocarbons (TPH) and BTEX within the release extent exceeded NMOCD thresholds for less than four (4) ft bgs.

Remedial Action Activities and Confirmation Sampling

Devon proceeded with remedial action activities at the Site to include the excavation and disposal of impacted soils above the regulatory limits. The release area was excavated to depths ranging from 3 - 4 ft bgs within the release area. The excavation area is illustrated on Figure 4.

A total of four (4) confirmation samples were collected on June 20th, 2023, from the excavation base (i.e., CS-1 through CS-4) and four (4) confirmation samples were collected from the excavation sidewalls (i.e., SW-1 through SW-4) to ensure impacted soils were successfully removed. Analytical results indicated that one (1) of the base confirmation samples (i.e., CS-1) as well as two (2) of the sidewall confirmation samples (i.e., SW-1 and SW-2) exceeded NMOCD regulatory thresholds and the area would require further excavation.

After further excavation, two (2) additional confirmation base samples (i.e., SW-1 and SW-5) and four (4) confirmation sidewall samples (i.e., SW-1A, SW-2A, SW-5 and SW-6) were collected on June 27th, 2023, to ensure impacted soils were successfully removed. Analytical results indicated that impacted soils had been removed and the Site required no further excavation. A photographic log documenting site conditions during confirmation sampling activities is attached.

The confirmation samples were collected every 200 square feet under NMOCD regulations and submitted to the lab under proper chain-of-custody protocol for analysis. The excavation was backfilled with like sourced materials and returned to near-natural grade. The final excavation extent and confirmation sample locations are shown in Figure 4. Analytical results of the confirmation samples are included in Table 2.

Closing

Based on the assessment and subsequent remedial action activities, the Site is compliant with NMOCD's regulatory limits, and no further actions are required at the site. A copy of the final C- 141 is attached, and Devon formally requests a no further action designation for the Site (nAPP225358408).

Mr. Mike Bratcher
June 30, 2023
Page 3 of 3

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

Sincerely,
NTG Environmental



Ethan Sessums
Project Manager

Attachments:

- Initial And Final C-141
- Site Characterization Information
- Tables
- Figures
- Photographic Log
- Laboratory Reports and Chain-of-Custody

Ethan Sessums

From: Ethan Sessums
Sent: Thursday, June 15, 2023 9:27 AM
To: Enviro, OCD, EMNRD
Cc: NTG Env Carlsbad
Subject: Sampling Notification

nAPP2309726350	Cotton Draw 118
nAPP2307949749	Longview 12-13 Battery

NTGE will be conducting confirmation sampling at the above reference locations next week starting Tuesday the 20th 9 a.m. MDT persisting through until Thursday the 22nd end of business.

Ethan Sessums
Project Manager
NTG Environmental New Mexico
209 W McKay St, Carlsbad, NM 88220
M: 254-266-5456 W: 432-701-2159
Email: esessums@ntglobal.com
<http://www.ntgenvironmental.com/>



Ethan Sessums

From: Ethan Sessums
Sent: Friday, June 23, 2023 8:06 AM
To: Enviro, OCD, EMNRD
Cc: NTG Env Carlsbad
Subject: Sampling Notification

NTGE on behalf of DEVON Energy Production Company will be conducting confirmation sampling next week June the 27th 2023 around 10 a.m. MDT regarding incident id: **nAPP2307949749**

Thanks!

Ethan Sessums
Project Manager
NTG Environmental New Mexico
209 W McKay St, Carlsbad, NM 88220
M: 254-266-5456 W: 432-701-2159
Email: esessums@ntglobal.com
<http://www.ntgenvironmental.com/>



INITIAL AND FINAL 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	
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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.	
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Printed Name: _____	Title: _____
Signature: <u>Dale Woodall</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>03/20/2023</u>

Incident ID	nAPP2307949749
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email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

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Remediation Plan

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Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

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Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

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Printed Name: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date: 7/20/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

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Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Longview Fed 12-13
 OCD incident # nAPP2307949749
 3/18/2023

Spill Volume(Bbls) Calculator	
<i>Inputs in blue, Outputs in red</i>	
<i>Contaminated Soil measurement</i>	
Area (square feet)	Depth(inches)
<u>227.627</u>	<u>0.250</u>
Cubic Feet of Soil Impacted	<u>4.742</u>
Barrels of Soil Impacted	<u>0.85</u>
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	<u>0.13</u>
Saturation	Damp no fluid when squeezed
Estimated Barrels of Oil Released	0.01
<i>Free Standing Fluid Only</i>	
Area (square feet)	Depth(inches)
<u>0</u>	<u>0.000</u>
Standing fluid	<u>0.000</u>
<u>Total fluids spilled</u>	<u>0.127</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 198966

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 198966
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	3/20/2023

SITE CHARACTERIZATION INFORMATION

Longview 12-13

Karst

Legend

- 0.5 Mile Radius
- 300 Foot Radius
- High
- Longview Fed 12 #13
- Low
- Medium
- NMOSE 04418 POD1 No water 55FT

Longview Fed 12 #13 NMOSE 04418 POD1 No water 55FT

Potash Mines Rd

741

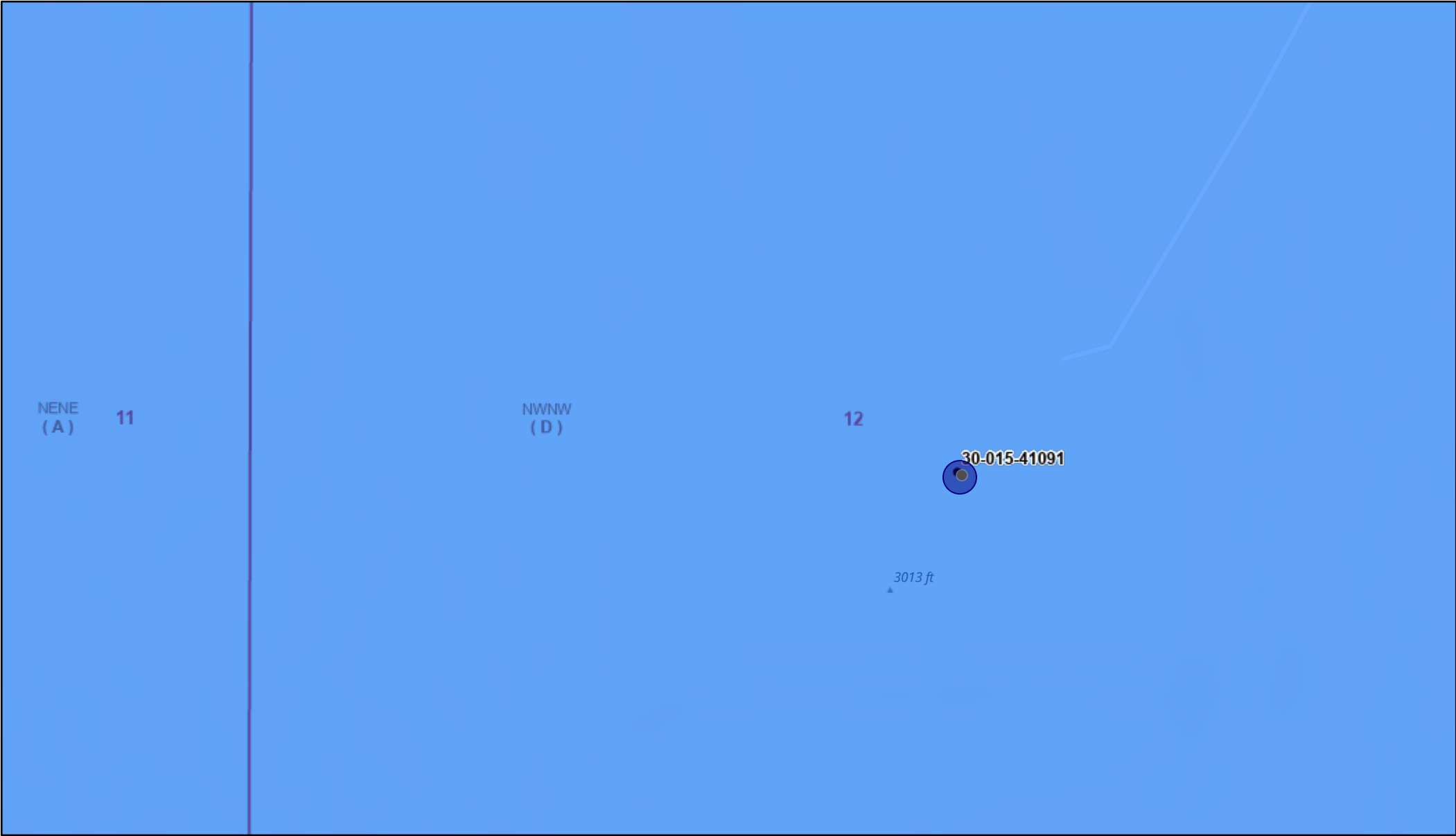
605

Google Earth


4000 ft





OCD Well Locations





5/11/2023, 11:54:39 AM


 Override 1

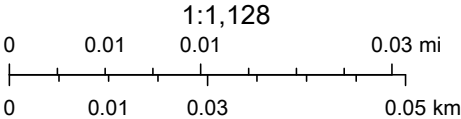
 PLSS First Division

 Medium

 PLSS Second Division

 Oil, Active

 Wells - Large Scale



BLM, OCD, New Mexico Tech, Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, HERE, Garmin, SafeGraph,

OSE POD Locations Map



5/11/2023, 12:38:03 PM

GIS WATERS PODs

Active

Plugged

OSE District Boundary

Water Right Regulations

Negative Easement Area

New Mexico State Trust Lands

Both Estates

Conveyances

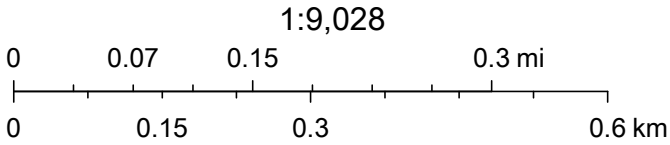
Ditch

NHD Flowlines

Artificial Path

Stream River

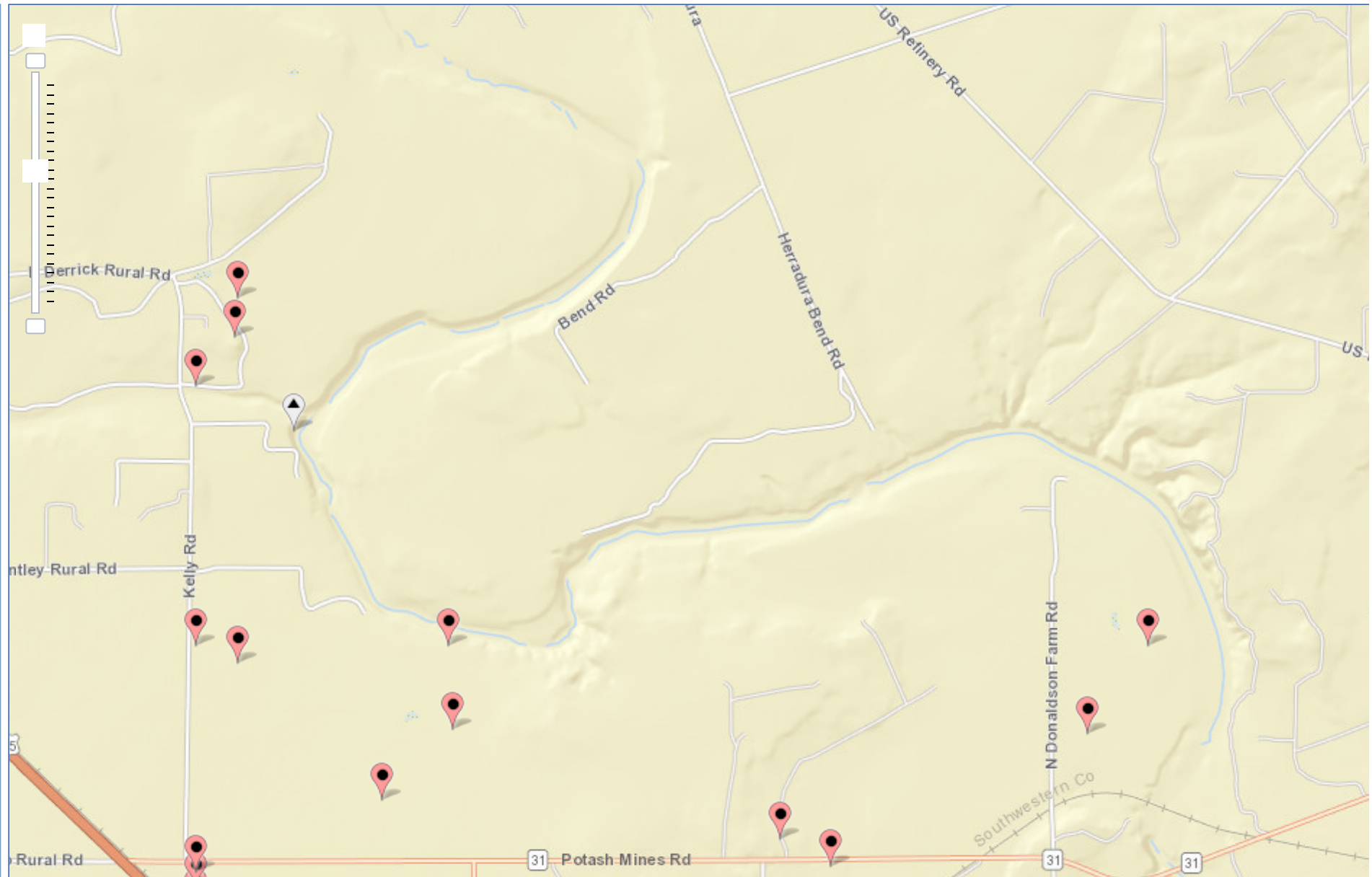
SiteBoundaries



Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar

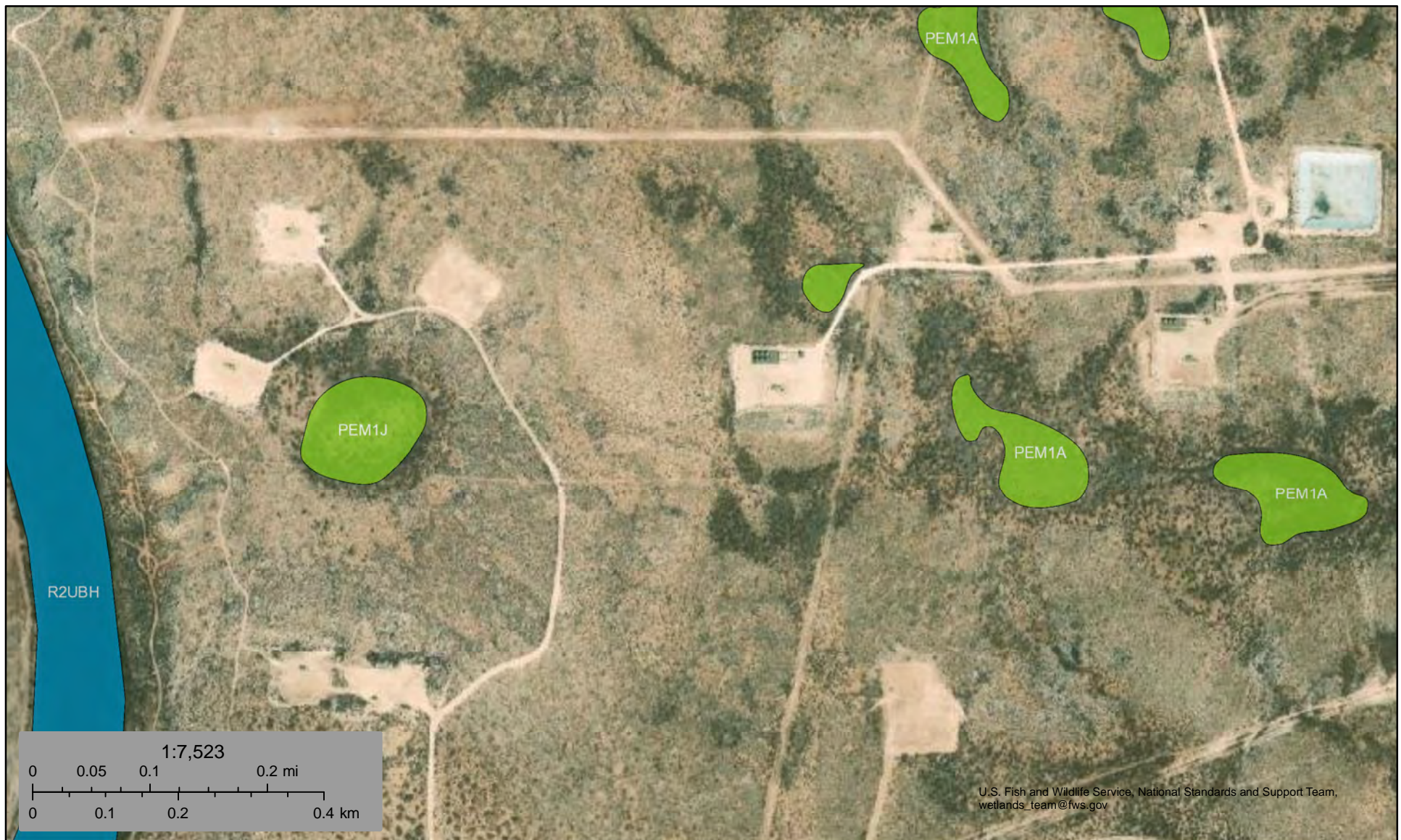


National Water Information System: Mapper





Longview 12-13



May 11, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

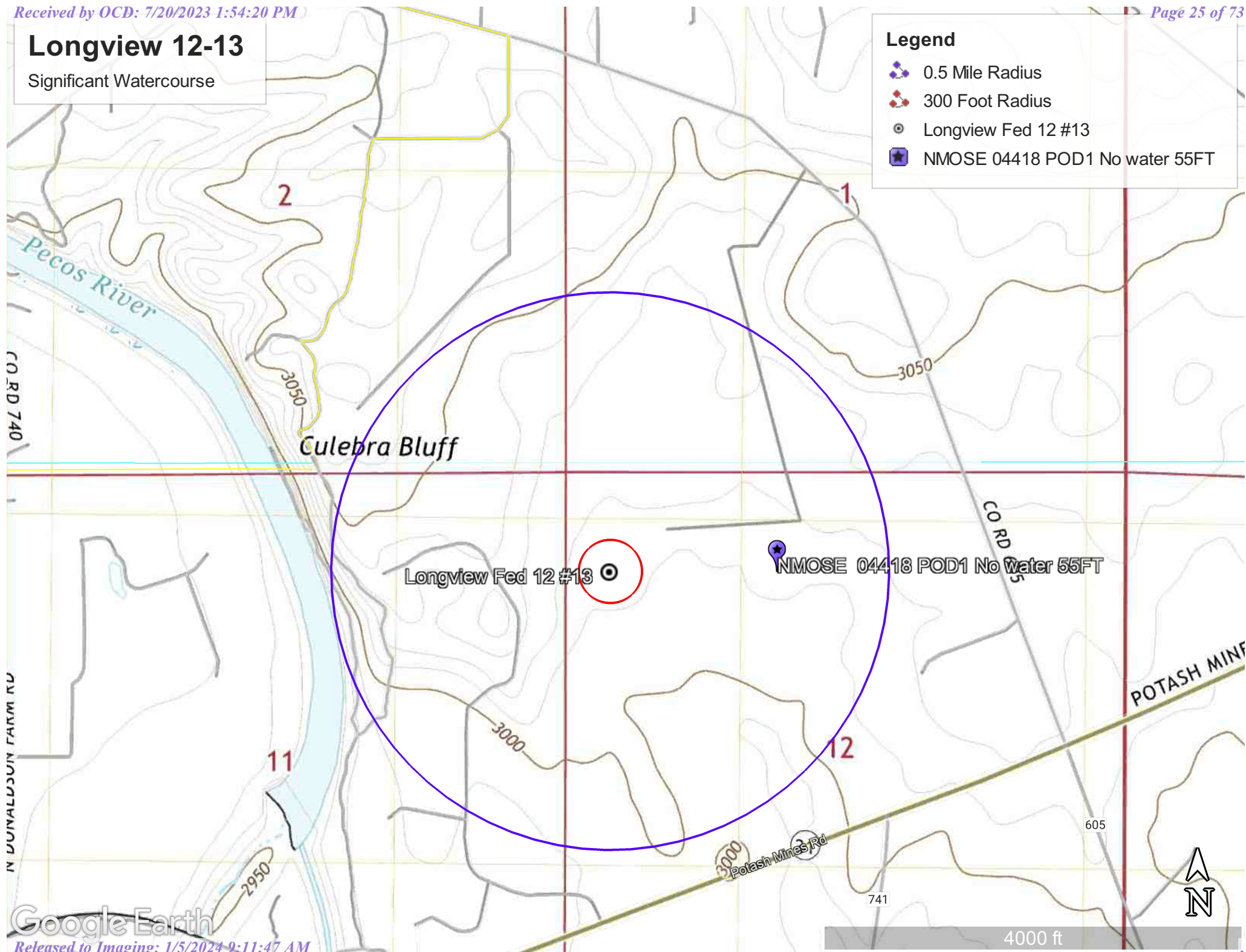
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Longview 12-13

Significant Watercourse

Legend

- 0.5 Mile Radius
- 300 Foot Radius
- Longview Fed 12 #13
- NMOSE 04418 POD1 No water 55FT



National Flood Hazard Layer FIRMette



104°3'11"W 32°19'45"N



Legend

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

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

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/11/2023 at 1:28 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.



New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04418 POD1	4	2	1	12	23S	28E	590104	3576851

x

Driller License: 1789 **Driller Company:** HRL COMPLIANCE SOLUTIONS, INC

Driller Name: MARK MUMBY

Drill Start Date: 03/31/2020 **Drill Finish Date:** 03/31/2020 **Plug Date:** 04/03/2020

Log File Date: 05/26/2020 **PCW Rcv Date:** **Source:**

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 0 GPM

Casing Size: 2.00 **Depth Well:** 55 feet **Depth Water:**

x

Casing Perforations:	Top	Bottom
	0	45
	45	55

x

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

5/11/23 11:02 AM

POINT OF DIVERSION SUMMARY

TABLES

Table 1
Summary of Soil Analytical Data - Delineation Samples
Longview Federal 12-13H
Devon Energy Production Company
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C-10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil 51-100 feet Depth to Groundwater 19.15.29 NMAC										
10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg			
Vertical Delineation Samples													
S-1	4/6/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
S-1	4/6/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
S-2	4/6/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
S-2	4/6/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
S-3	4/6/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
S-4	4/6/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20,700	20,700	5,480	26,180	32
S-4	4/6/2023	(1-1.5')	<0.050	42	28	115	185	3,230	20,900	24,130	5,020	29,150	64
S-4	4/18/2023	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,430	1,430	751	2,181	144
S-4	4/18/2023	(4-4.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
Horizontal Delineation Samples													
H-1	4/6/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
H-2	4/6/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
H-3	4/6/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-4	4/6/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-5	4/6/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
H-6	4/6/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

Notes:

- Values reported in mg/kg
- < = Value Less Than Reporting Limit (RL)
- Bold indicates Analyte Detected
- BTEX analyses by EPA Method SW 8021B

5. TPH analyses by EPA Method SW 8015 Mod.

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

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

8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

9. --- Not Analyzed

SP-1

Sample Point Excavated

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Longview Federal 12-13H
Devon Energy Production Company
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C-10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC										
10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg			
Base Samples													
CS-1	6/20/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1240	1240	394	1634	400
	6/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
CS-2	6/20/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-3	6/20/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS-4	6/20/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
CS-5	6/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
Sidewall Samples													
SW-1	6/20/2023	0-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	39.2	39.2	11.5	50.7	656
SW-1A	6/27/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
SW-2	6/20/2023	0-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	128	128	67.3	195.3	48
SW-2A	6/27/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
SW-3	6/20/2023	0-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.3	10.3	<10.0	10.3	64
SW-4	6/20/2023	0-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
SW-5	6/27/2023	3-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
SW-6	6/27/2023	3-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128

Notes:

1. Values reported in mg/kg
2. < = Value Less Than Reporting Limit (RL)
3. Bold indicates Analyte Detected
4. BTEX analyses by EPA Method SW 8021B

5. TPH analyses by EPA Method SW 8015 Mod.
6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

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

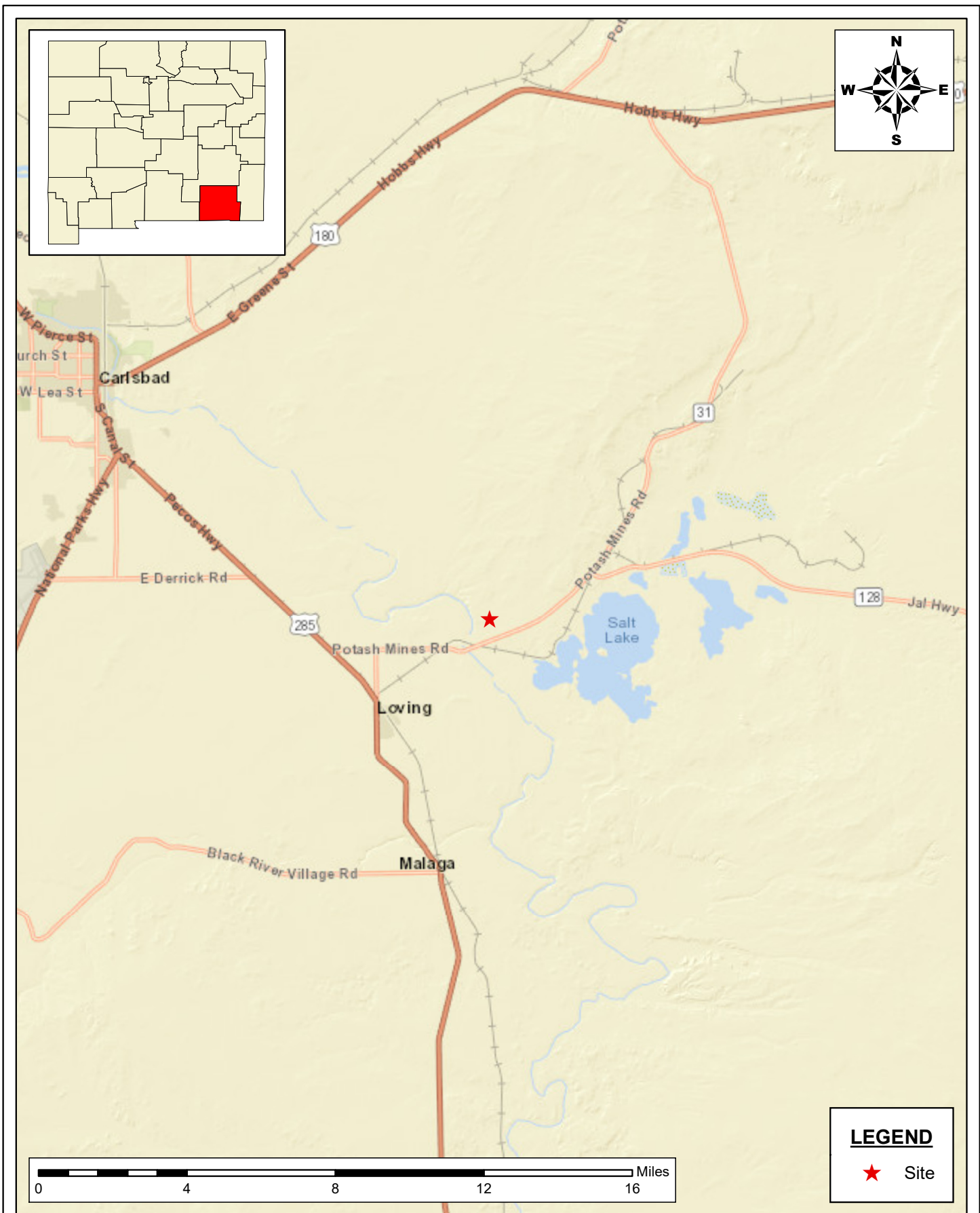
8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

9. --- Not Analyzed

SP-1 Sample Point Excavated

FIGURES

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**SITE LOCATION MAP
CLOSURE REPORT
DEVON ENERGY PRODUCTION COMPANY
LONGVIEW FEDERAL 12 #013H
EDDY COUNTY, NEW MEXICO**

SCALE: As Shown

Date: 6/28/2023

PROJECT #:237217



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

NOTES:

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

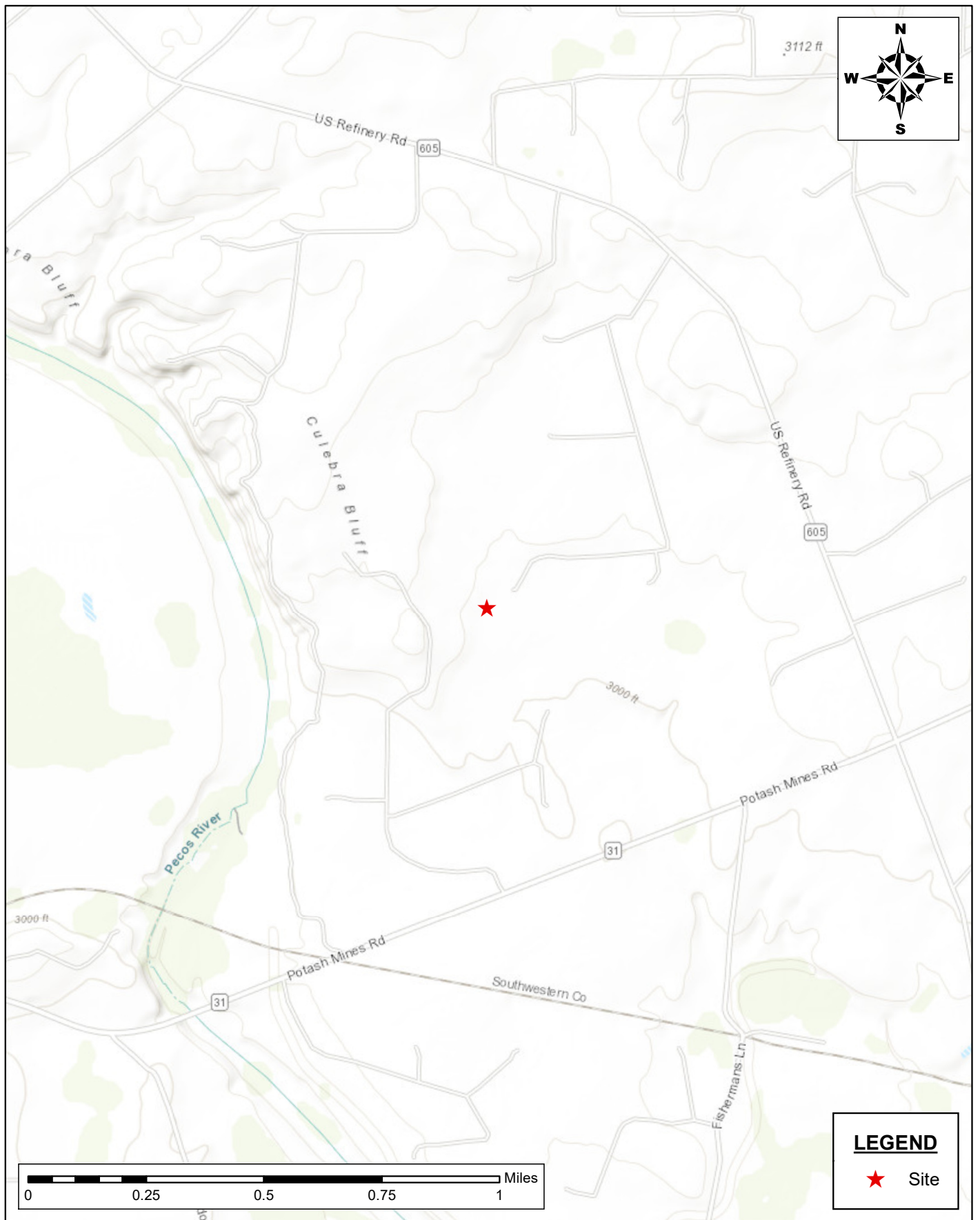
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FIGURE 1

SHEET NUMBER:

1 of 1

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**SITE AREA MAP
CLOSURE REPORT
DEVON ENERGY PRODUCTION COMPANY
LONGVIEW FEDERAL 12 #013H
EDDY COUNTY, NEW MEXICO**

SCALE: As Shown Date: 6/28/2023 PROJECT #:237217



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

NOTES:

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

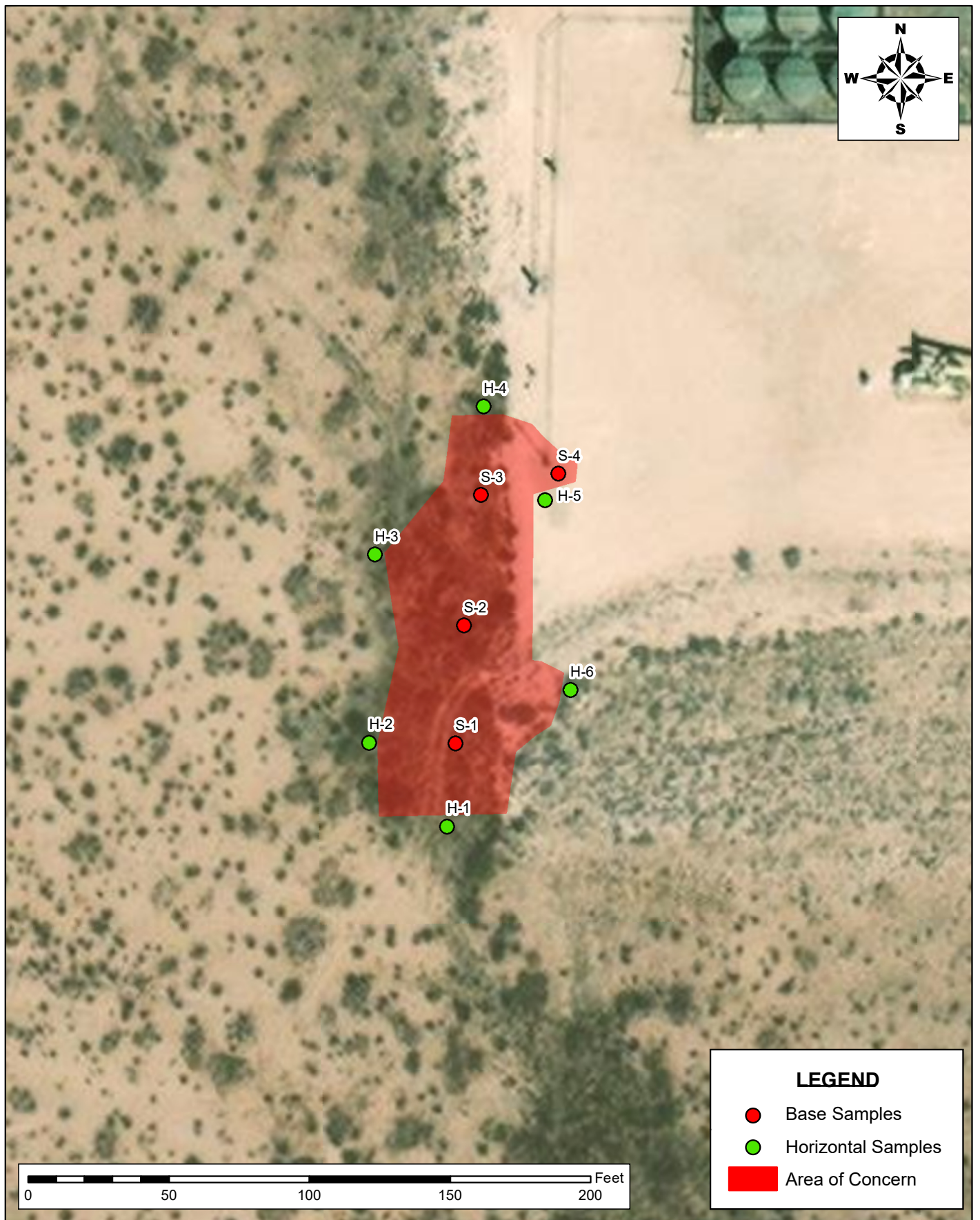
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FIGURE 2

SHEET NUMBER:

1 of 1

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**SITE ASSESSMENT MAP
CLOSURE REPORT
DEVON ENERGY PRODUCTION COMPANY
LONGVIEW FEDERAL 12 #013H
EDDY COUNTY, NEW MEXICO**

SCALE: As Shown Date: 6/28/2023 PROJECT #:237217



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 3

SHEET NUMBER:

1 of 1

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**CONFIRMATION SAMPLE MAP
CLOSURE REPORT
DEVON ENERGY PRODUCTION COMPANY
LONGVIEW FEDERAL 12 #013H
EDDY COUNTY, NEW MEXICO**

SCALE: As Shown Date: 6/28/2023 PROJECT #:237217



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 4

SHEET NUMBER:

1 of 1

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

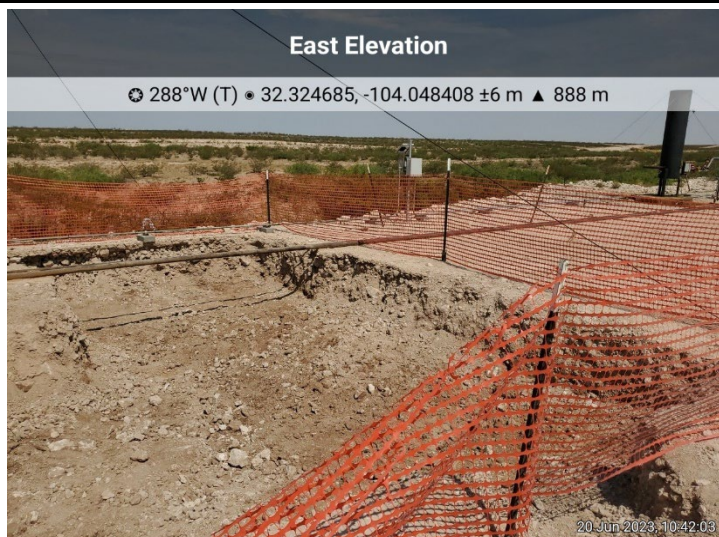
Devon Energy Production Company

Photograph No. 1

Facility: Longview Federal 12-13

County: Eddy County, New Mexico

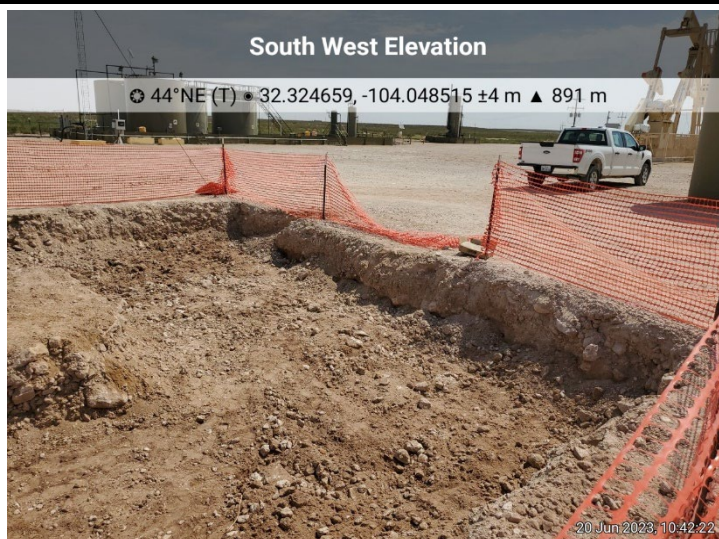
Description:
View of Excavation.

**Photograph No. 2**

Facility: Longview Federal 12-13

County: Eddy County, New Mexico

Description:
View of Excavation.

**Photograph No. 3**

Facility: Longview Federal 12-13

County: Eddy County, New Mexico

Description:
View of Excavation.



PHOTOGRAPHIC LOG

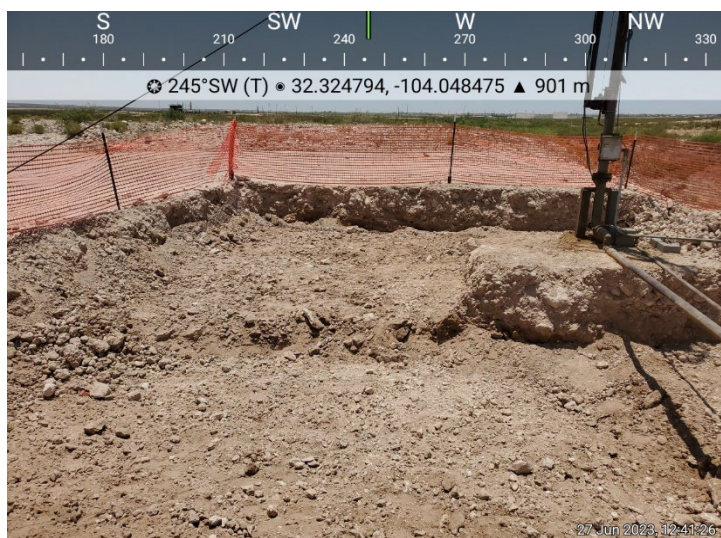
Devon Energy Production Company

Photograph No. 4

Facility: Longview Federal 12-13

County: Eddy County, New Mexico

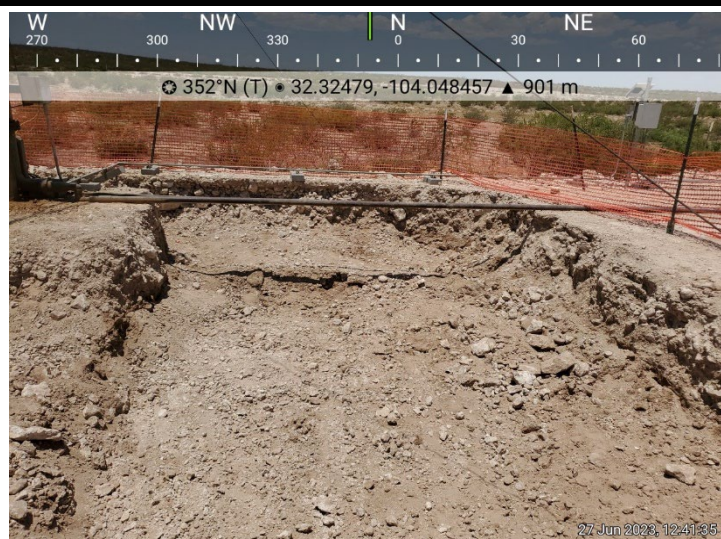
Description:
Final Excavation.

**Photograph No. 5**

Facility: Longview Federal 12-13

County: Eddy County, New Mexico

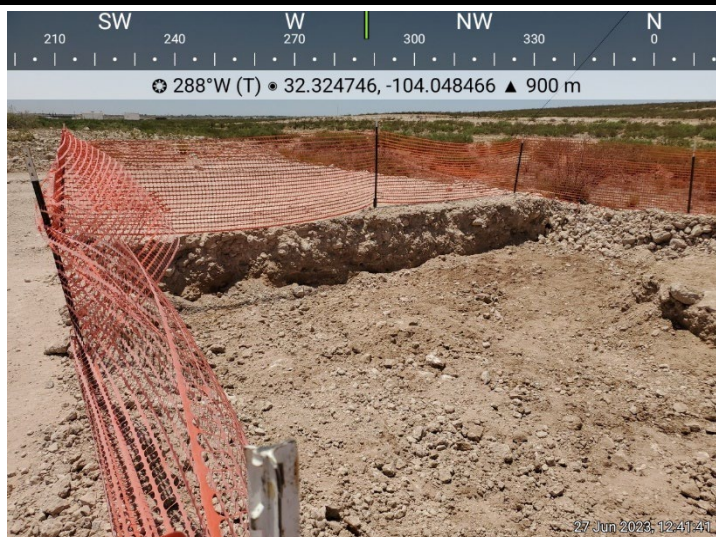
Description:
Final Excavation.

**Photograph No. 6**

Facility: Longview Federal 12-13

County: Eddy County, New Mexico

Description:
Final Excavation.



LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS



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

April 13, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: LONGVIEW FEDERAL 12-13

Enclosed are the results of analyses for samples received by the laboratory on 04/06/23 13:05.

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 style with a large, stylized 'C' and 'K'.

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: 04/06/2023
 Reported: 04/13/2023
 Project Name: LONGVIEW FEDERAL 12-13
 Project Number: 237217
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 1 (0-0.5') (H231644-01)

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	04/11/2023	ND	1.89	94.5	2.00	2.62	
Toluene*	<0.050	0.050	04/11/2023	ND	1.95	97.4	2.00	4.15	
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.99	99.6	2.00	2.67	
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.06	101	6.00	0.881	
Total BTEX	<0.300	0.300	04/11/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/11/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	181	90.5	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	172	85.9	200	0.194	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/13/2023
 Project Name: LONGVIEW FEDERAL 12-13
 Project Number: 237217
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 1 (1-1.5') (H231644-02)

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	04/11/2023	ND	1.89	94.5	2.00	2.62		
Toluene*	<0.050	0.050	04/11/2023	ND	1.95	97.4	2.00	4.15		
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.99	99.6	2.00	2.67		
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.06	101	6.00	0.881		
Total BTEx	<0.300	0.300	04/11/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/11/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	181	90.5	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	172	85.9	200	0.194	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/13/2023
 Project Name: LONGVIEW FEDERAL 12-13
 Project Number: 237217
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 2 (0-0.5') (H231644-03)

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	04/11/2023	ND	1.89	94.5	2.00	2.62		
Toluene*	<0.050	0.050	04/11/2023	ND	1.95	97.4	2.00	4.15		
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.99	99.6	2.00	2.67		
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.06	101	6.00	0.881		
Total BTEx	<0.300	0.300	04/11/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/11/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	181	90.5	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	172	85.9	200	0.194	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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: 04/06/2023
 Reported: 04/13/2023
 Project Name: LONGVIEW FEDERAL 12-13
 Project Number: 237217
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 2 (1-1.5') (H231644-04)

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	04/11/2023	ND	1.89	94.5	2.00	2.62		
Toluene*	<0.050	0.050	04/11/2023	ND	1.95	97.4	2.00	4.15		
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.99	99.6	2.00	2.67		
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.06	101	6.00	0.881		
Total BTEx	<0.300	0.300	04/11/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/11/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	181	90.5	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	172	85.9	200	0.194	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/13/2023
 Project Name: LONGVIEW FEDERAL 12-13
 Project Number: 237217
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 3 (0-0.5') (H231644-05)

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	04/11/2023	ND	1.89	94.5	2.00	2.62		
Toluene*	<0.050	0.050	04/11/2023	ND	1.95	97.4	2.00	4.15		
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.99	99.6	2.00	2.67		
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.06	101	6.00	0.881		
Total BTEx	<0.300	0.300	04/11/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/11/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	181	90.5	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	172	85.9	200	0.194	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 04/06/2023
 Reported: 04/13/2023
 Project Name: LONGVIEW FEDERAL 12-13
 Project Number: 237217
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 4 (0-0.5') (H231644-06)

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	04/11/2023	ND	1.89	94.5	2.00	2.62		
Toluene*	<0.050	0.050	04/11/2023	ND	1.95	97.4	2.00	4.15		
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.99	99.6	2.00	2.67		
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.06	101	6.00	0.881		
Total BTEx	<0.300	0.300	04/11/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/11/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	04/12/2023	ND	181	90.5	200	2.14	
DRO >C10-C28*	20700	50.0	04/12/2023	ND	172	85.9	200	0.194	
EXT DRO >C28-C36	5480	50.0	04/12/2023	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 543 % 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: 04/06/2023
 Reported: 04/13/2023
 Project Name: LONGVIEW FEDERAL 12-13
 Project Number: 237217
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 4 (1-1.5') (H231644-07)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	04/11/2023	ND	1.89	94.5	2.00	2.62	
Toluene*	42.0	2.00	04/11/2023	ND	1.95	97.4	2.00	4.15	
Ethylbenzene*	28.0	2.00	04/11/2023	ND	1.99	99.6	2.00	2.67	
Total Xylenes*	115	6.00	04/11/2023	ND	6.06	101	6.00	0.881	
Total BTEX	185	12.0	04/11/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/11/2023	ND	400	100	400	3.92		
TPH 8015M		mg/kg		Analyzed By: MS						S-06

Surrogate: 1-Chlorooctane 290 % 48.2-134

Surrogate: 1-Chlorooctadecane 511 % 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: 04/06/2023
 Reported: 04/13/2023
 Project Name: LONGVIEW FEDERAL 12-13
 Project Number: 237217
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 1 (0-0.5') (H231644-08)

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	04/11/2023	ND	1.89	94.5	2.00	2.62		
Toluene*	<0.050	0.050	04/11/2023	ND	1.95	97.4	2.00	4.15		
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.99	99.6	2.00	2.67		
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.06	101	6.00	0.881		
Total BTX	<0.300	0.300	04/11/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/11/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	181	90.5	200	2.14	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	172	85.9	200	0.194	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/13/2023
 Project Name: LONGVIEW FEDERAL 12-13
 Project Number: 237217
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 2 (0-0.5') (H231644-09)

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	04/11/2023	ND	1.89	94.5	2.00	2.62		
Toluene*	<0.050	0.050	04/11/2023	ND	1.95	97.4	2.00	4.15		
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.99	99.6	2.00	2.67		
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.06	101	6.00	0.881		
Total BTEx	<0.300	0.300	04/11/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/11/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	182	91.0	200	2.28	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	167	83.7	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					

Surrogate: 1-Chlorooctane 109 % 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: 04/06/2023
 Reported: 04/13/2023
 Project Name: LONGVIEW FEDERAL 12-13
 Project Number: 237217
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 3 (0-0.5') (H231644-10)

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	04/11/2023	ND	1.89	94.5	2.00	2.62		
Toluene*	<0.050	0.050	04/11/2023	ND	1.95	97.4	2.00	4.15		
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.99	99.6	2.00	2.67		
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.06	101	6.00	0.881		
Total BTEX	<0.300	0.300	04/11/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/11/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	182	91.0	200	2.28	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	167	83.7	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 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: 04/06/2023
 Reported: 04/13/2023
 Project Name: LONGVIEW FEDERAL 12-13
 Project Number: 237217
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 4 (0-0.5') (H231644-11)

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	04/11/2023	ND	1.89	94.5	2.00	2.62		
Toluene*	<0.050	0.050	04/11/2023	ND	1.95	97.4	2.00	4.15		
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.99	99.6	2.00	2.67		
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.06	101	6.00	0.881		
Total BTX	<0.300	0.300	04/11/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/11/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	182	91.0	200	2.28	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	167	83.7	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/13/2023
 Project Name: LONGVIEW FEDERAL 12-13
 Project Number: 237217
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 5 (0-0.5') (H231644-12)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/11/2023	ND	1.89	94.5	2.00	2.62		
Toluene*	<0.050	0.050	04/11/2023	ND	1.95	97.4	2.00	4.15		
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.99	99.6	2.00	2.67		
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.06	101	6.00	0.881		
Total BTEx	<0.300	0.300	04/11/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/11/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	182	91.0	200	2.28	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	167	83.7	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 04/06/2023
 Reported: 04/13/2023
 Project Name: LONGVIEW FEDERAL 12-13
 Project Number: 237217
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 6 (0-0.5') (H231644-13)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/11/2023	ND	1.89	94.5	2.00	2.62		
Toluene*	<0.050	0.050	04/11/2023	ND	1.95	97.4	2.00	4.15		
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.99	99.6	2.00	2.67		
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.06	101	6.00	0.881		
Total BTEx	<0.300	0.300	04/11/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/11/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	182	91.0	200	2.28	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	167	83.7	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					

Surrogate: 1-Chlorooctane 115 % 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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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H231644

Page 1 of 2

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Matthews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Matthews@dyn.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: 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 12-13		Turn Around		ANALYSIS REQUEST												Preservative Codes									
Project Number:		237217		<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:		Kellan Smith		TAT starts the day received by the lab, if received by 4:30pm																HCL: HC HNO ₃ : HN							
PO #:		21140678																		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:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		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:																		Zn Acetate+NaOH: Zn					
Total Containers:				Corrected Temperature:																		NaOH+Ascorbic Acid: SAPC					
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
S-1 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-1 (1-1.5')		4/6/2023				X				Grab		1		X X X X													
S-2 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-2 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-3 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (1-1.5')		4/6/2023				X				Grab		1		X X X X													
S-1 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-2 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-3 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (1-1.5')		4/6/2023				X				Grab		1		X X X X													
S-1 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
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S-3 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (1-1.5')		4/6/2023				X				Grab		1		X X X X													
S-1 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-2 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-3 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
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S-1 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-2 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-3 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (1-1.5')		4/6/2023				X				Grab		1		X X X X													
S-1 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-2 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-3 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (1-1.5')		4/6/2023				X				Grab		1		X X X X													
S-1 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-2 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-3 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (1-1.5')		4/6/2023				X				Grab		1		X X X X													
S-1 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-2 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-3 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (1-1.5')		4/6/2023				X				Grab		1		X X X X													
S-1 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-2 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-3 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (1-1.5')		4/6/2023				X				Grab		1		X X X X													
S-1 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-2 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-3 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (1-1.5')		4/6/2023				X				Grab		1		X X X X													
S-1 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-2 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-3 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (1-1.5')		4/6/2023				X				Grab		1		X X X X													
S-1 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-2 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-3 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (1-1.5')		4/6/2023				X				Grab		1		X X X X													
S-1 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-2 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-3 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (1-1.5')		4/6/2023				X				Grab		1		X X X X													
S-1 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-2 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-3 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (1-1.5')		4/6/2023				X				Grab		1		X X X X													
S-1 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-2 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-3 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (1-1.5')		4/6/2023				X				Grab		1		X X X X													
S-1 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-2 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-3 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (1-1.5')		4/6/2023				X				Grab		1		X X X X													
S-1 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-2 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-3 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (1-1.5')		4/6/2023				X				Grab		1		X X X X													
S-1 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-2 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-3 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (1-1.5')		4/6/2023				X				Grab		1		X X X X													
S-1 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-2 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-3 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (1-1.5')		4/6/2023				X				Grab		1		X X X X													
S-1 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-2 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-3 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (1-1.5')		4/6/2023				X				Grab		1		X X X X													
S-1 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-2 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-3 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (1-1.5')		4/6/2023				X				Grab		1		X X X X													
S-1 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-2 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-3 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-4 (1-1.5')		4/6/2023				X				Grab		1		X X X X													
S-1 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-2 (0-0.5')		4/6/2023				X				Grab		1		X X X X													
S-3 (0-0.5')		4/6/2023				X				Grab		1		X X X X													

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions 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 Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	4-6-23 1305			
		2			
		4			
		6			



Chain of Custody

Work Order No: H231644

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Matthews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Matthews@den.com

Page <u>2</u> of <u>2</u>	
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 I <input type="checkbox"/> 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 Number:		Longview Federal 12-13		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes																					
237217		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Due Date:		TAT starts the day received by the lab, if received by 4:30pm		Parameters		BTX 8021B		TPH 8015M (GRO + DRO + MRO)		Chloride 4500		HOLD		None: NO DI Water: H ₂ O																							
Project Location		Eddy Co, NM		Kellan Smith		PO #: 21140678		Received Inact:		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Correction Factor:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Temperature Reading:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Corrected Temperature:		-0.6°C		-0.3°C		-0.9°C	
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Correction Factor:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Temperature Reading:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Corrected Temperature:		-0.6°C		-0.3°C		-0.9°C									
Total Containers:		Corrected Temperature:		-0.6°C		-0.3°C		-0.9°C		BTX 8021B		TPH 8015M (GRO + DRO + MRO)		Chloride 4500		HOLD		None: NO DI Water: H ₂ O																							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont		BTX 8021B		TPH 8015M (GRO + DRO + MRO)		Chloride 4500		HOLD		None: NO DI Water: H ₂ O																			
14-4 (6'-0.5')		4/6/2023				X		Grab		1		X		X		X		X		X		X																			
14-5 (0'-0.5')		4/6/2023				X		Grab		1		X		X		X		X		X		X																			
14-6 (0'-0.5')		4/6/2023				X		Grab		1		X		X		X		X		X		X																			
		4/6/2023				X		Grab		1		X		X		X		X		X		X																			
		4/6/2023				X		Grab		1		X		X		X		X		X		X																			
		4/6/2023				X		Grab		1		X		X		X		X		X		X																			
		4/6/2023				X		Grab		1		X		X		X		X		X		X																			
		4/6/2023				X		Grab		1		X		X		X		X		X		X																			
		4/6/2023				X		Grab		1		X		X		X		X		X		X																			
		4/6/2023				X		Grab		1		X		X		X		X		X		X																			
		4/6/2023				X		Grab		1		X		X		X		X		X		X																			
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		4/6/2023				X		Grab		1		X		X		X		X		X		X																			
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Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		4-6-23 1305			
		2			
		4			
		6			



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

April 26, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: LONGVIEW FEDERAL 12-13H

Enclosed are the results of analyses for samples received by the laboratory on 04/19/23 13:11.

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:	04/19/2023	Sampling Date:	04/18/2023
Reported:	04/26/2023	Sampling Type:	Soil
Project Name:	LONGVIEW FEDERAL 12-13H	Sampling Condition:	Cool & Intact
Project Number:	237217	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO, NM		

Sample ID: S - 4 (2-2.5') (H231889-01)

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	04/22/2023	ND	1.87	93.5	2.00	14.7	
Toluene*	<0.050	0.050	04/22/2023	ND	2.00	99.8	2.00	15.7	
Ethylbenzene*	<0.050	0.050	04/22/2023	ND	2.06	103	2.00	15.5	
Total Xylenes*	<0.150	0.150	04/22/2023	ND	6.22	104	6.00	16.2	
Total BTEX	<0.300	0.300	04/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	144	16.0	04/21/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	ND	178	89.2	200	0.457	
DRO >C10-C28*	1430	10.0	04/22/2023	ND	172	86.2	200	1.01	
EXT DRO >C28-C36	751	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 163 % 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: 04/19/2023
 Reported: 04/26/2023
 Project Name: LONGVIEW FEDERAL 12-13H
 Project Number: 237217
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 4 (4-4.5') (H231889-02)

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	04/22/2023	ND	1.87	93.5	2.00	14.7		
Toluene*	<0.050	0.050	04/22/2023	ND	2.00	99.8	2.00	15.7		
Ethylbenzene*	<0.050	0.050	04/22/2023	ND	2.06	103	2.00	15.5		
Total Xylenes*	<0.150	0.150	04/22/2023	ND	6.22	104	6.00	16.2		
Total BTEx	<0.300	0.300	04/22/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/21/2023	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	04/25/2023	ND	178	89.2	200	0.457	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	172	86.2	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 76.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04	The RPD for the BS/BSD was outside of historical limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: 4231889

Page 1 of 1

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.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:

Project Name:	Longview Federal 12-13H	Turn Around										Preservative Codes	
Project Number:	237217	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush									None: NO	DI Water: H ₂ O
Project Location	Eddy County, NM	Due Date:	48hr									Cool: Cool	MeOH: Me
Sampler's Name:	Kellan Smith	TAT starts the day received by the lab, if received by 4:30pm										HCL: HC	HNO ₃ : HN
PO #:	21140678											H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="radio"/> No <input type="radio"/>	Thermometer ID:	Yes <input checked="" type="radio"/> No <input type="radio"/>							H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="radio"/> No <input type="radio"/>	Correction Factor:	-0.6 °C									NH ₄ SC ₂ O ₄ : NABIS	
Cooler Custody Seals:	Yes <input checked="" type="radio"/> No <input type="radio"/>	Temperature Reading:	5.3 °C									Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes <input checked="" type="radio"/> No <input type="radio"/>	Corrected Temperature:	4.7 °C									Zn Acetate+NaOH: Zn	
Total Containers:												NaOH+Ascorbic Acid: SABC	
Parameters				ANALYSIS REQUEST									
BTX 8021B													
8015M (GRO + DRO + MRO)													
Chloride 4500													
HOLD													

[illegible]

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
		4-19-23 1311			



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

June 21, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: LONGVIEW FEDERAL 12-13H

Enclosed are the results of analyses for samples received by the laboratory on 06/20/23 14:47.

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 style with a large, stylized 'C' and 'K'.

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: 06/20/2023
 Reported: 06/21/2023
 Project Name: LONGVIEW FEDERAL 12-13H
 Project Number: 237217
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 06/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 1 (3') (H233198-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2023	ND	2.04	102	2.00	0.594	
Toluene*	<0.050	0.050	06/20/2023	ND	2.33	117	2.00	0.177	
Ethylbenzene*	<0.050	0.050	06/20/2023	ND	2.33	116	2.00	0.770	
Total Xylenes*	<0.150	0.150	06/20/2023	ND	7.21	120	6.00	0.708	
Total BTEX	<0.300	0.300	06/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	400	16.0	06/21/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2023	ND	236	118	200	27.0	
DRO >C10-C28*	1240	10.0	06/21/2023	ND	206	103	200	24.0	
EXT DRO >C28-C36	394	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/20/2023
 Reported: 06/21/2023
 Project Name: LONGVIEW FEDERAL 12-13H
 Project Number: 237217
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 06/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 2 (3') (H233198-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2023	ND	2.04	102	2.00	0.594	
Toluene*	<0.050	0.050	06/20/2023	ND	2.33	117	2.00	0.177	
Ethylbenzene*	<0.050	0.050	06/20/2023	ND	2.33	116	2.00	0.770	
Total Xylenes*	<0.150	0.150	06/20/2023	ND	7.21	120	6.00	0.708	
Total BTEx	<0.300	0.300	06/20/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/21/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2023	ND	236	118	200	27.0	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	206	103	200	24.0	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/20/2023
 Reported: 06/21/2023
 Project Name: LONGVIEW FEDERAL 12-13H
 Project Number: 237217
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 06/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 3 (3') (H233198-03)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2023	ND	2.04	102	2.00	0.594	
Toluene*	<0.050	0.050	06/20/2023	ND	2.33	117	2.00	0.177	
Ethylbenzene*	<0.050	0.050	06/20/2023	ND	2.33	116	2.00	0.770	
Total Xylenes*	<0.150	0.150	06/20/2023	ND	7.21	120	6.00	0.708	
Total BTEX	<0.300	0.300	06/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	144	16.0	06/21/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2023	ND	236	118	200	27.0	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	206	103	200	24.0	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/20/2023	Sampling Date:	06/20/2023
Reported:	06/21/2023	Sampling Type:	Soil
Project Name:	LONGVIEW FEDERAL 12-13H	Sampling Condition:	Cool & Intact
Project Number:	237217	Sample Received By:	Shari Cisneros
Project Location:	DEVON - EDDY CO, NM		

Sample ID: CS - 4 (3') (H233198-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2023	ND	2.04	102	2.00	0.594	
Toluene*	<0.050	0.050	06/20/2023	ND	2.33	117	2.00	0.177	
Ethylbenzene*	<0.050	0.050	06/20/2023	ND	2.33	116	2.00	0.770	
Total Xylenes*	<0.150	0.150	06/20/2023	ND	7.21	120	6.00	0.708	
Total BTEX	<0.300	0.300	06/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	176	16.0	06/21/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2023	ND	236	118	200	27.0	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	206	103	200	24.0	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/20/2023
 Reported: 06/21/2023
 Project Name: LONGVIEW FEDERAL 12-13H
 Project Number: 237217
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 06/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 1 (0-3') (H233198-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2023	ND	2.04	102	2.00	0.594	
Toluene*	<0.050	0.050	06/20/2023	ND	2.33	117	2.00	0.177	
Ethylbenzene*	<0.050	0.050	06/20/2023	ND	2.33	116	2.00	0.770	
Total Xylenes*	<0.150	0.150	06/20/2023	ND	7.21	120	6.00	0.708	
Total BTEX	<0.300	0.300	06/20/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	06/21/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2023	ND	236	118	200	27.0	
DRO >C10-C28*	39.2	10.0	06/21/2023	ND	206	103	200	24.0	
EXT DRO >C28-C36	11.5	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/20/2023	Sampling Date:	06/20/2023
Reported:	06/21/2023	Sampling Type:	Soil
Project Name:	LONGVIEW FEDERAL 12-13H	Sampling Condition:	Cool & Intact
Project Number:	237217	Sample Received By:	Shari Cisneros
Project Location:	DEVON - EDDY CO, NM		

Sample ID: SW - 2 (0-3') (H233198-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.09	104	2.00	0.581	
Toluene*	<0.050	0.050	06/21/2023	ND	2.32	116	2.00	1.56	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.32	116	2.00	0.144	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	7.06	118	6.00	0.201	
Total BTEX	<0.300	0.300	06/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	06/21/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2023	ND	236	118	200	27.0	
DRO >C10-C28*	128	10.0	06/21/2023	ND	206	103	200	24.0	
EXT DRO >C28-C36	67.3	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/20/2023
 Reported: 06/21/2023
 Project Name: LONGVIEW FEDERAL 12-13H
 Project Number: 237217
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 06/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 3 (0-3') (H233198-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.09	104	2.00	0.581	
Toluene*	<0.050	0.050	06/21/2023	ND	2.32	116	2.00	1.56	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.32	116	2.00	0.144	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	7.06	118	6.00	0.201	
Total BTEX	<0.300	0.300	06/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	64.0	16.0	06/21/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2023	ND	236	118	200	27.0	
DRO >C10-C28*	10.3	10.0	06/21/2023	ND	206	103	200	24.0	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/20/2023
 Reported: 06/21/2023
 Project Name: LONGVIEW FEDERAL 12-13H
 Project Number: 237217
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 06/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 4 (0-3') (H233198-08)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2023	ND	2.09	104	2.00	0.581		
Toluene*	<0.050	0.050	06/21/2023	ND	2.32	116	2.00	1.56		
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.32	116	2.00	0.144		
Total Xylenes*	<0.150	0.150	06/21/2023	ND	7.06	118	6.00	0.201		
Total BTEX	<0.300	0.300	06/21/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/21/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2023	ND	236	118	200	27.0	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	206	103	200	24.0	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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 "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H233198

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@devon.com

Program: UST/PST <input type="checkbox"/> RP <input type="checkbox"/> Townfields <input type="checkbox"/> RC <input type="checkbox"/> s <input type="checkbox"/> e <input type="checkbox"/> r <input type="checkbox"/> fund	
State of Project: <input type="checkbox"/> Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> Level IV	
Reporting Level: <input type="checkbox"/> Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> Level IV	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="checkbox"/>	

Project Name:		Longview Federal 12-13H		Turn Around		ANALYSIS REQUEST												Preservative Codes									
Project Number:		237217		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush														None: NO DI Water: H ₂ O									
Project Location		Eddy County, NM		Due Date:														Cool: Cool MeOH: Me									
Sampler's Name:		Kellan Smith		TAT starts the day received by the lab, if received by 4:30pm														HCL: HC HNO ₃ : HN									
PO #:		21140678																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"/>																	
Received Intact:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		113																			
Cooler Custody Seals:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Correction Factor:		-0.6°C																			
Sample Custody Seals:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Temperature Reading:		-0.4°C																			
Total Containers:				8		Corrected Temperature:		-1.0°C																			
Sample Identification				Date		Time		Soil		Water		Grab/Comp		# of Cont		Parameters											
CS-1 (3')				6/20/2023		10:00am		X				Comp		1		BTX 8021B											
CS-2 (3')				6/20/2023		10:05am		X				Comp		1		TPH 8015M (GRO + DRO + MRO)											
CS-3 (3')				6/20/2023		10:10am		X				Comp		1		Chloride 4500											
CS-4 (3')				6/20/2023		10:15am		X				Comp		1													
SW-1 (0-3')				6/20/2023		10:20am		X				Comp		1													
SW-2 (0-3')				6/20/2023		10:25am		X				Comp		1													
SW-3 (0-3')				6/20/2023		10:30am		X				Comp		1													
SW-4 (0-3')				6/20/2023		10:35am		X				Comp		1													
																HOLD											
																Sample Comments											
																NaHSO ₄ : NABIS											
																Na ₂ S ₂ O ₃ : NaSO ₃											
																Zn Acetate+NaOH: Zn											
																NaOH+Ascorbic Acid: SAPC											

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	6/20/23 1447			

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 242744

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 242744
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2307949749 LONGVIEW FEDERAL 12 #013H, thank you. This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation including pictures of the contoured backfilled excavation surface and a thorough discussion on reseeding mixture, vegetation ratio, timelines, etc., will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	1/5/2024