

Length(Ft)	Width(Ft)	Depth(Ft)
<u>30</u>	<u>25.000</u>	<u>0.250</u>
Cubic Feet of Soil Impacted		<u>187.500</u>
Barrels of Soil Impacted		<u>33.42</u>
Soil Type		Clay/Sand
Barrels of Oil Assuming 100% Saturation		<u>5.01</u>
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels of Oil Released		5.01
Free Standing Fluid Only		
Length(Ft)	Width(Ft)	Depth(Ft)
<u>3</u>	<u>3.000</u>	<u>0.500</u>
Standing fluid		<u>0.800</u>
<u>20</u>	<u>5.814</u>	



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

December 5, 2023

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

**Re: Closure and Deferral Request Report  
Purrito 18 Fed Com 213H  
Unit A, S18, T23S, R32E  
Site Coordinates: 32.3115623, -103.7090919  
Lea County, New Mexico  
Incident ID: nAPP2313025409**

Mr. Bratcher:

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this Closure and Deferral Report to document site assessment and remedial action activities at Purrito 18 Fed Com 213H (Site). The Site is located approximately 22.5 miles west of Loving, New Mexico in Lea County (Figures 1 and 2).

### **Background**

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on May 9<sup>th</sup>, 2023. The release was from the spill pot which resulted in the release of approximately 5.8 barrels (bbls) of crude oil of which none were recovered for a net loss of 5.8 bbls of crude oil. Upon discovery, the equipment was shut-in, and area was secured. The release area is shown on Figure 3. The initial and final C-141, site assessment and closure deferral form is attached.

### **Site Characterization**

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers (NMOSE) and USGS databases, there are no water sources within a ½-mile radius of the Site. No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or distance from the Site. A copy of the site characterization information and the associated NMOSE summary report is attached.

### **Regulatory Criteria**

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX): 50mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).

Mr. Mike Bratcher  
December 5, 2023  
Page 2 of 3

- Chloride: 600 mg/kg

### **Site Assessment**

On May 18<sup>th</sup>, 2022, NTGE conducted site assessment activities to assess the vertical extent of impacts at the Site. A total of three (3) vertical sample points (V-1 through V-3) and four (4) horizontal sample points (H-1 through H-4) were installed within the release area to characterize the impacts. Soil samples were collected in 0.5 to 1 foot (ft) intervals from depths ranging from 0 – 3.5 feet below ground surface (ft bgs) with a geotechnical hand auger. The hand auger was decontaminated with Alconox and deionized water between soil borings to prevent cross-contamination. Sample locations are shown on Figure 3.

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

Analytical results identified elevated chloride and/or TPH concentrations across the release area in the areas of V-1 through V-3 at depths of 0 – 2.5 ft bgs. Analytical results for all delineation samples are presented in Table 1. Laboratory reports containing analytical methods and chain-of-custody documents are attached.

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

Based on the analytical results, Devon proceeded with the remedial actions at the Site to include the excavation and disposal of impacted soils above the regulatory limits. The release area was excavated to a depth of 3.5 ft bgs in the area of V-1 and to a depth of 2.5 ft bgs in the areas of V-2 and V-3.

On September 19<sup>th</sup>, 2023, a total of five (5) composite confirmation samples were collected from the excavation base (CS-1 through CS-5) and twelve (12) composite confirmation samples were collected from the excavation sidewalls (SW-1 through SW-12) to ensure impacted soil was removed.

Soil samples were placed directly into laboratory provided sample containers, placed on ice, and transported under proper chain-of-custody protocol to the lab. The confirmation samples were collected every 200 square feet and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B). Laboratory reports containing analytical methods and chain-of-custody documents are attached.

Analytical results, analytical results indicated that multiple composite confirmation excavation base and side wall samples (CS-1 through CS-4, SW-1 through SW-7, and SW-12) were above NMOCD regulatory criterion for chloride and/or TPH concentrations.

As a result, the impacted area was excavated further down to 3.5 ft bgs and horizontally extended in the areas SW-3 through SW-7. On September 28<sup>th</sup>, 2023, a total of ten (10) composite confirmation samples (CS-1 through CS-4 and CS-6, SW-3A through SW-7A) were collected from vertically and horizontally expanded excavation and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B). Analytical results indicated that one (1) base composite confirmation sample CS-2 was above NMOCD regulatory criterion for chloride concentrations.

As a result, the impacted area CS-2 was excavated further down to 4 ft bgs. On October 6<sup>th</sup>, NTGE collected a total of three samples (CS-2, SW-13 and SW-14) from the vertically expanded excavation. Analytical results indicated these samples were below NMOCD regulatory criterion for the Site. The final excavation extent and confirmation sample locations are shown on Figure 4. Analytical results of the confirmation samples are included in Table 2.

Mr. Mike Bratcher  
December 5, 2023  
Page 3 of 3

On October 31<sup>st</sup>, 2023, NTGE was on site to collect two (2) vertical deferral samples (DS-1 and DS-2) in 0.5 to 1 ft depth intervals from depths ranging from 0 – 4.5 ft bgs with a geotechnical hand auger in the areas that could not be reached with any excavation machinery (i.e., SW-1 and SW-2). Laboratory results of these samples are presented in Table 1 and their locations are shown in Figure 3.

### Deferral Request

Devon personnel have expressed that the excavation areas SW-1 and SW-2 cannot be expanded vertically or horizontally due to the presence of facility infrastructure (i.e., pumpjack, wellhead and adjacent flowlines and electrical lines, etc.) around the excavation and the associated safety concerns in further encroaching the infrastructure. The infrastructure in and around the excavation is shown on Figure 3.

On behalf of Devon, NTG Environmental formally requests a deferral to address the remaining soil impacts (SW-1 and SW-2) at the time of facility decommissioning or in the event infrastructure modifications are made in the area that would alleviate the safety concerns, whichever is sooner. Should the deferral request be granted, a remedial action report documenting excavation expansion and confirmation sampling activities will be prepared and filed following completion of the further actions to be completed at a future date. The release notification, site assessment/characterization, remediation plan, and closure/deferral portion of form C-141 are attached to the front of this report.

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



Dmitry Nikanorov  
Project Scientist

Attachments:

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

**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

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

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

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

State of New Mexico  
Oil Conservation Division

Page 2

Incident ID	
District RP	
Facility ID	
Application ID	

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

### Initial Response

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

<input type="checkbox"/> The source of the release has been stopped. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: _____ Title: _____ Signature: <u>Kendra Ruiz</u> Date: _____ email: _____ Telephone: _____
<b><u>OCD Only</u></b> Received by: <u>Jocelyn Harimon</u> Date: <u>05/24/2023</u>

Length(Ft)	Width(Ft)	Depth(Ft)
<u>30</u>	<u>25.000</u>	<u>0.250</u>
Cubic Feet of Soil Impacted		<u>187.500</u>
Barrels of Soil Impacted		<u>33.42</u>
Soil Type		Clay/Sand
Barrels of Oil Assuming 100% Saturation		<u>5.01</u>
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels of Oil Released		5.01
Free Standing Fluid Only		
Length(Ft)	Width(Ft)	Depth(Ft)
<u>3</u>	<u>3.000</u>	<u>0.500</u>
Standing fluid		<u>0.800</u>
<u>20</u>	<u>5.814</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 220280

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 220280
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jharimon	None	5/24/2023

Incident ID	nAPP2313025409
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?	<u>Unknown</u> (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 <b>not</b> 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 1/2-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.



Incident ID	nAPP2313025409
District RP	
Facility ID	
Application ID	

## 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.

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: \_\_\_\_\_ Date:   12/5/23    
email:   dale.woodall@dvn.com   Telephone:   575-748-1838  

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

- Approved       Approved with Attached Conditions of Approval       Denied       Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nAPP2313025409
District RP	
Facility ID	
Application ID	

## 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: \_\_\_\_\_ Date: \_\_\_ 12/5/23 \_\_\_\_\_

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

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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: \_\_\_\_\_

## **SAMPLING NOTIFICATIONS**

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**From:** [Ethan Sessums](#)  
**To:** [Enviro\\_OCD\\_EMNRD](#)  
**Cc:** [NTG Env Carlsbad](#)  
**Subject:** Sampling Notifications  
**Date:** Thursday, September 14, 2023 12:17:40 PM

---

On behalf of DEVON, NTGE will be conducting a confirmation sampling event next Tuesday the 19th around 9 am MDT persisting until the end of business the next day.

	nAPP231302540 9	Purrito 18 Fed Com 213H	5/9/2023	
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Ethan Sessums  
Project Manager  
NTGE New Mexico  
209 W McKay St. Carlsbad, NM 88220  
M: (254)-266-5456 W: (432)-701-2159  
Email: [essums@ntglobal.com](mailto:essums@ntglobal.com)

Air Quality Compliance | EHS Management | Environmental Due Diligence & Audits | Midstream Compliance | Regulatory Compliance & Permitting | **Site Assessment, Remediation & Site Closure** | Water Quality & Natural Resources

**From:** [Kellan Smith](#)  
**To:** [Enviro, OCD, EMNRD](#); [NTG Env Carlsbad](#)  
**Subject:** Sampling Notification- nAPP2313025409  
**Date:** Monday, September 25, 2023 10:34:10 AM

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NTG Environmental, on behalf of Devon Energy Production Company, will be conducting confirmation sampling activities Thursday, September 28th, 2023, at around 10 a.m. MDT regarding the Purrito 18 Fed Com 213H.

Incident ID: nAPP2313025409

Thanks!

Kellan Smith  
Project Scientist  
NTG Environmental  
209 W McKay, Carlsbad, NM 88220  
W: (832) 374-0004 P: (580) 682-1889  
Email: [ksmith@ntglobal.com](mailto:ksmith@ntglobal.com)



**From:** [Kellan Smith](#)  
**To:** [Enviro, OCD, EMNRD](#); [NTG Env Carlsbad](#)  
**Subject:** Sampling Notification - nAPP2313025409  
**Date:** Wednesday, October 4, 2023 8:39:49 AM

---

NTG Environmental, on behalf of Devon Energy Production Company, will be conducting confirmation sampling activities Friday, October 6th, 2023, at around 10 a.m. MDT regarding the Purrito 18 Fed Com 213H.

Incident ID: nAPP2313025409

Thanks!  
Kellan Smith  
Project Scientist  
NTG Environmental  
209 W McKay, Carlsbad, NM 88220  
W: (832) 374-0004 P: (580) 682-1889  
Email: [ksmith@ntglobal.com](mailto:ksmith@ntglobal.com)

## **SITE CHARACTERIZATION INFORMATION**

---

**NMOCD Closure Criteria**

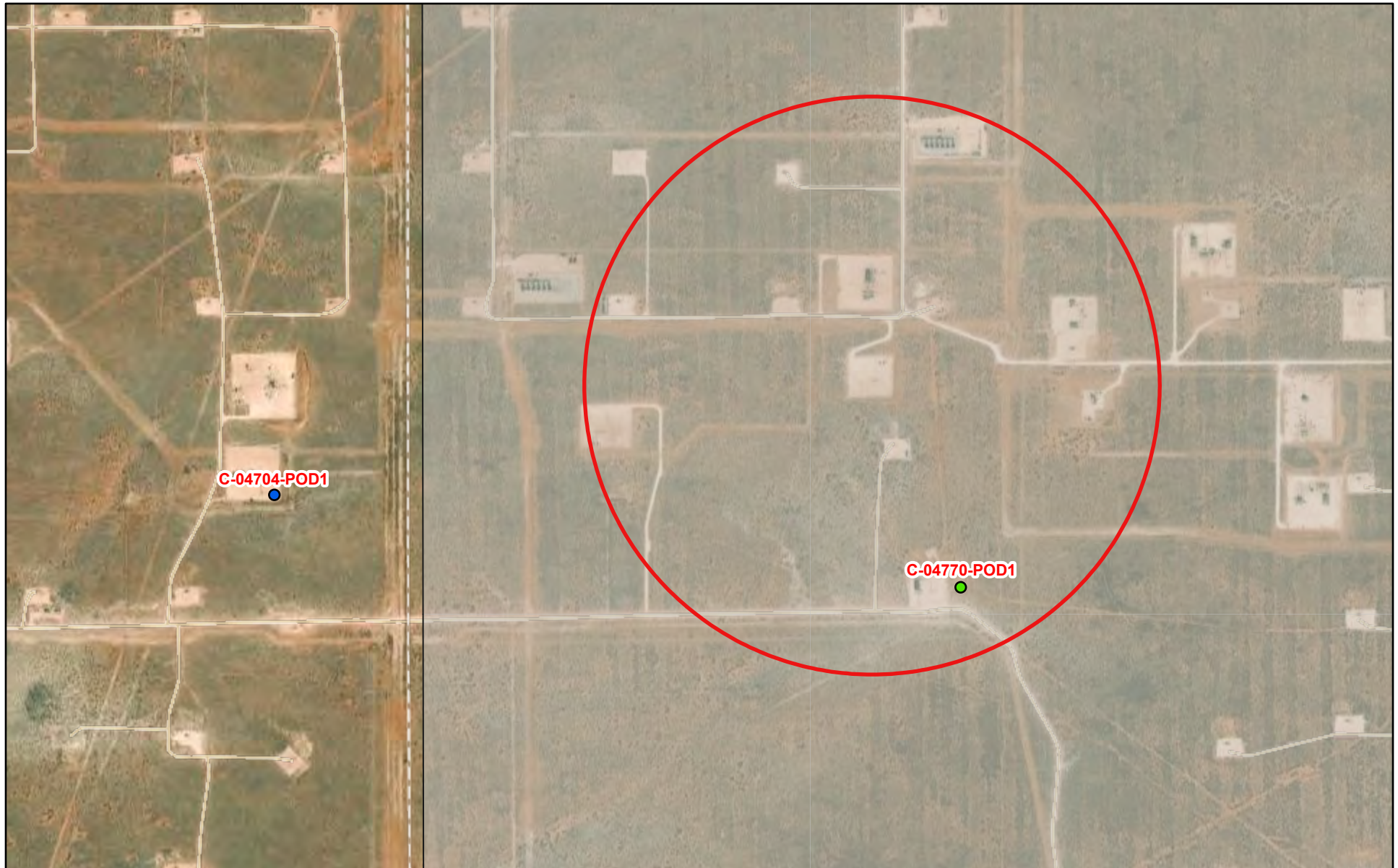
Purrito 18 Fed Com 213H

Site Information (19.15.29.11.A (2,3, & 4) NMAC)		Source/Notes
Depth to Groundwater ( ft bgs)	N/A	Office of the State Engineer (OSE)
Horizontal Distance from All Water Sources Within 0.5 mile (ft)	N/A	National Wetlands Inventory (NWS)
Horizontal Distance to Nearest Significant Watercourse (ft)	>2680	National Wetlands Inventory (NWS)

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

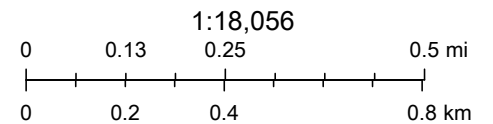
\* - numerical limit or background, whichever is greater

# OSE POD Location Map



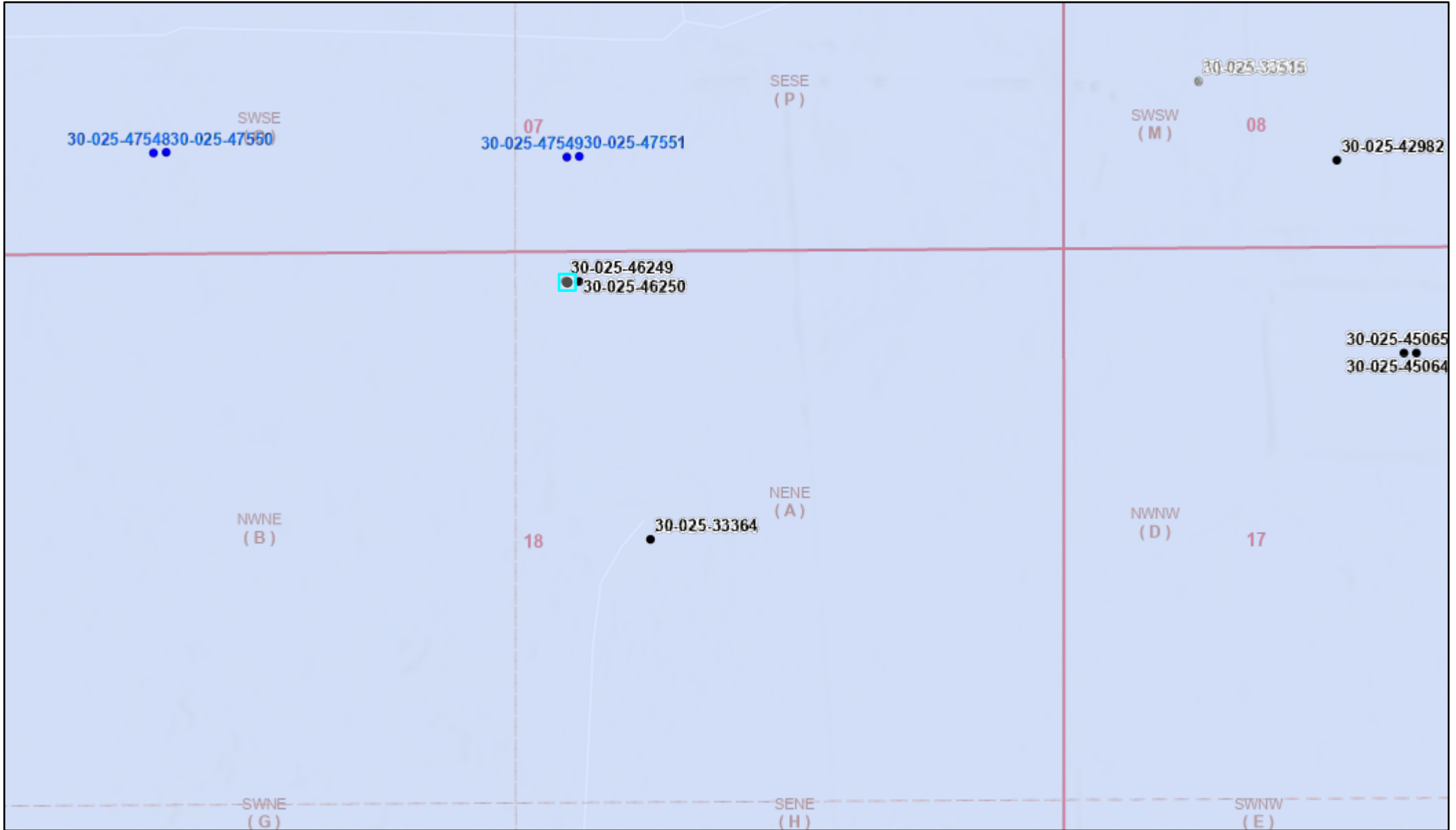
10/23/2023, 1:26:21 PM

- Override 1
- Pending
- OSE District Boundary
- Closure Area
- Active



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

# OCD Well Locations



5/10/2023, 1:24:07 PM

Wells - Large Scale

● Oil, New

▭ PLSS Second Division

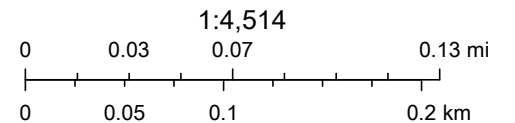
● Oil, Active

▭ Karst Occurrence Potential

▭ PLSS First Division

● Oil, Cancelled

▭ Low



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,

New Mexico Oil Conservation Division

Released to Imaging: 6/13/2024 4:00:03 PM



# Purrito 18 Fed Com 213H



May 10, 2023

### Wetlands




- Estuarine and Marine Deepwater
- Freshwater Emergent Wetland
- Estuarine and Marine Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

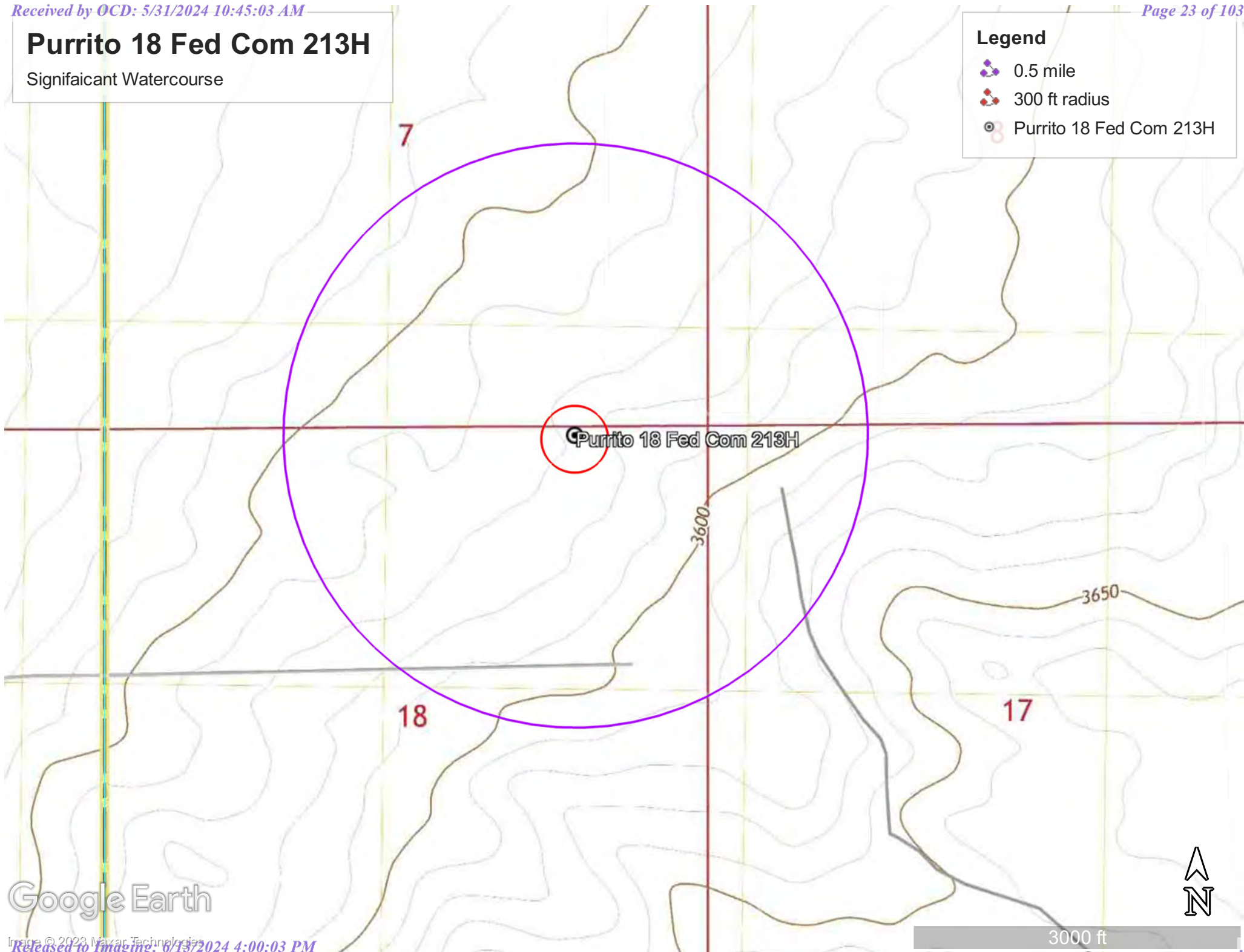
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

# Purrito 18 Fed Com 213H

Signifaicant Watercourse

## Legend

-  0.5 mile
-  300 ft radius
-  Purrito 18 Fed Com 213H



Google Earth

3000 ft



### National Water Information System: Mapper





# National Flood Hazard Layer FIRMette



103°42'51"W 32°18'57"N



## Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/10/2023 at 2:38 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.

## **TABLES**

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**Table 1**  
**Summary of Soil Analytical Data - Delineation Samples**  
 Purrito 18 Fed Com 213H  
 Devon Energy Production Company  
 Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (C6-C28) (mg/kg)	MRO (C28-C35) (mg/kg)	Total TPH (C6-C35) (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			
<b>Vertical Delineation Samples</b>													
V-1	5/18/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>53.3</b>	<b>53.3</b>	<b>30.9</b>	<b>84.2</b>	<b>26,200</b>
V-1	5/18/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>1,520</b>
V-1	5/18/2023	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>1,360</b>
V-1	5/18/2023	(3-3.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>80</b>
V-2	5/18/2023	(0-0.5')	<0.200	<b>2.09</b>	<b>3.85</b>	<b>23.5</b>	<b>29.5</b>	<b>537</b>	<b>5,090</b>	<b>5,627</b>	<b>1020</b>	<b>6,647</b>	<b>5,280</b>
V-2	5/18/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>142</b>	<b>142</b>	<b>35.5</b>	<b>177.5</b>	<b>352</b>
V-2	5/18/2023	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>17.2</b>	<b>17.2</b>	<10.0	<b>17.2</b>	<b>80</b>
V-2	5/18/2023	(3-3.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32</b>
V-3	5/18/2023	(0-0.5')	<0.050	<0.050	<0.050	0.561	0.561	<b>132</b>	<b>4430</b>	<b>4562</b>	<b>919</b>	<b>5,481</b>	<b>4,000</b>
V-3	5/18/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<b>17</b>	<b>692</b>	<b>709</b>	<b>152</b>	<b>861</b>	<b>1440</b>
V-3	5/18/2023	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>23.1</b>	<b>23.1</b>	<10.0	<b>23.1</b>	<b>448</b>
<b>Horizontal Delineation Samples</b>													
H-1	5/18/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>128</b>
H-2	5/18/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>48</b>
H-3	5/18/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>49.9</b>	<b>49.9</b>	<10.0	<b>49.9</b>	<b>32</b>
H-4	5/18/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>144</b>
<b>Deferral Samples</b>													
DS-1	10/31/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>96</b>
DS-1	10/31/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>96</b>
DS-1	10/31/2023	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16
DS-1	10/31/2023	(3-3.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16
DS-1	10/31/2023	(4-4.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>16</b>
DS-2	10/31/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>26.3</b>	<b>26.3</b>	<10.0	<10.0	<b>1230</b>
DS-2	10/31/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>112</b>
DS-2	10/31/2023	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>224</b>
DS-2	10/31/2023	(3-3.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>48</b>
DS-2	10/31/2023	(4-4.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>96</b>

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

Table 2  
 Summary of Soil Analytical Data - Confirmation Samples  
 Purrito 18 Fed Com 213H  
 Devon Energy Production Company  
 Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total TPH (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Table I Closure Criteria for Soil 51-100 feet Depth to Groundwater 19.15.29 NMAC													
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
Base Confirmation Samples													
CS-1	<del>9/19/2023</del>	2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	52.6	52.6	<10.0	52.6	1,220
	9/28/2023	3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS-2	<del>9/19/2023</del>	2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.5	15.5	<10.0	15.5	80
	<del>9/28/2023</del>	2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16	16	<10.0	16	1,740
	10/6/2023	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS-3	<del>9/19/2023</del>	2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	52.5	52.5	12.3	64.8	688
	9/28/2023	3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
CS-4	<del>9/19/2023</del>	2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	102	102	33.1	135.1	480
	9/28/2023	3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
CS-5	9/19/2023	3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS-6	9/28/2023	3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	42.1	42.1	<10.0	42.1	288
Sidewall Confirmation Samples													
SW-1	9/19/2023	0-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1220	1220	450	1670	20400
SW-2	9/19/2023	0-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1100
<del>SW-3</del>	<del>9/19/2023</del>	<del>0-2.5</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>220</del>	<del>220</del>	<del>104</del>	<del>324</del>	<del>864</del>
SW-3A	9/28/2023	0-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
<del>SW-4</del>	<del>9/19/2023</del>	<del>0-2.5</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>126</del>	<del>126</del>	<del>60.6</del>	<del>186.6</del>	<del>368</del>
SW-4A	9/28/2023	0-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
<del>SW-5</del>	<del>9/19/2023</del>	<del>0-2.5</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>91.5</del>	<del>91.5</del>	<del>33.1</del>	<del>124.6</del>	<del>192</del>
SW-5A	9/28/2023	0-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
<del>SW-6</del>	<del>9/19/2023</del>	<del>0-2.5</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>76.9</del>	<del>76.9</del>	<del>202</del>	<del>278.9</del>	<del>1300</del>
SW-6A	9/28/2023	0-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
<del>SW-7</del>	<del>9/19/2023</del>	<del>0-2.5</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>1010</del>
SW-7A	9/28/2023	0-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
SW-8	9/19/2023	0-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
SW-9	9/19/2023	0-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
SW-10	9/19/2023	0-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SW-11	9/19/2023	0-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
<del>SW-12</del>	<del>9/19/2023</del>	<del>2.5-3.5</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>638</del>	<del>638</del>	<del>243</del>	<del>881</del>	<del>160</del>
SW-13	10/6/2023	3.5-4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW-14	10/6/2023	3.5-4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128

Notes:

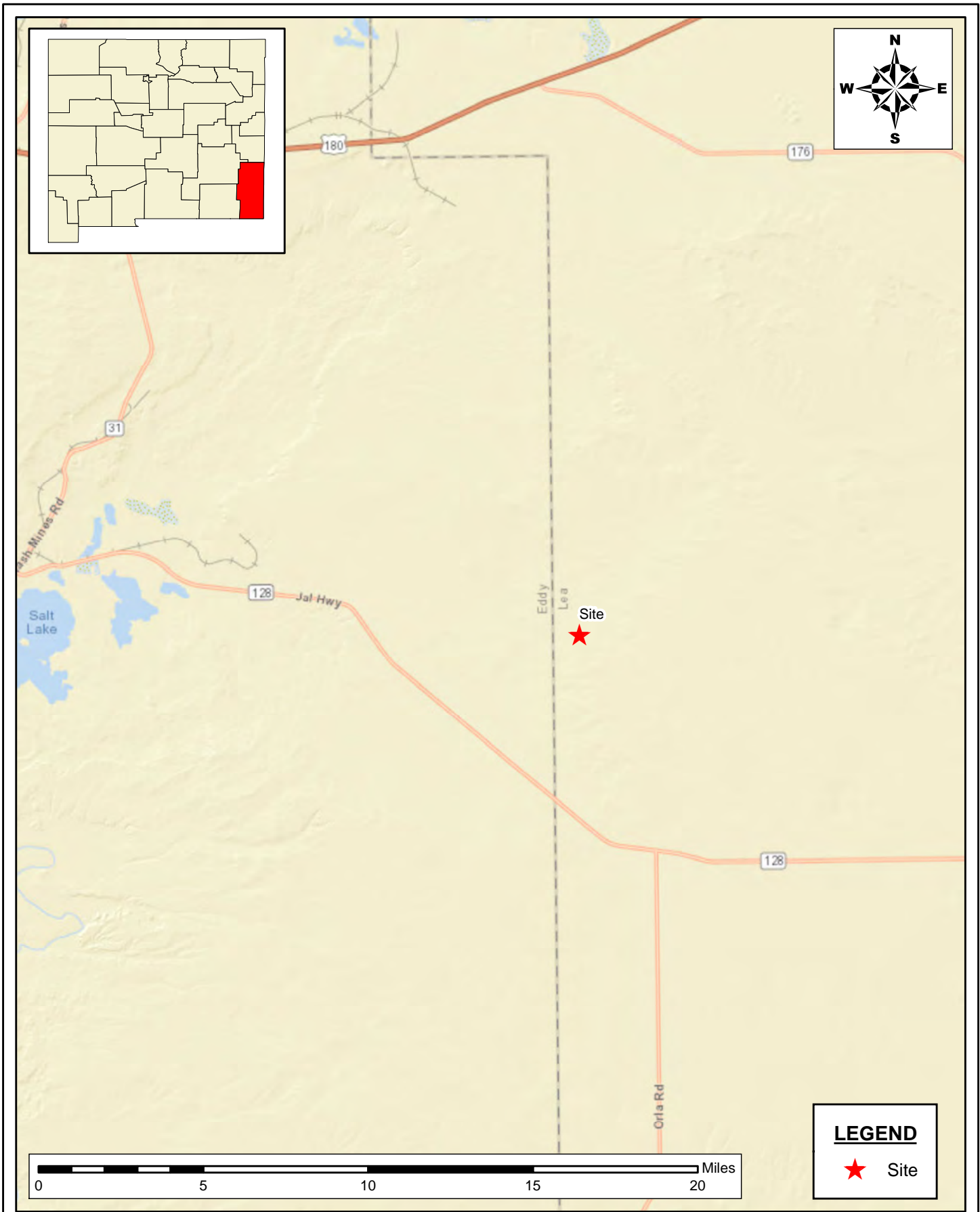
- Values reported in mg/kg
- < = Value Less Than Reporting Limit (RL)
- Bold indicates Analyte Detected
- BTEX analyses by EPA Method SW 8021B
- TPH analyses by EPA Method SW 8015 Mod.
- GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
- Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
- 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).
- Not Analyzed

~~SP-1~~ Sample Point Excavated

## **FIGURES**

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**SITE LOCATION MAP**  
 CLOSURE REPORT  
 DEVON ENERGY PRODUCTION COMPANY  
 PURRITO 18 FED COM 213H  
 LEA COUNTY, NEW MEXICO  
 32.3115623,-103.7090919

SCALE: As Shown    Date: 5/10/2023    PROJECT #:237354



**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

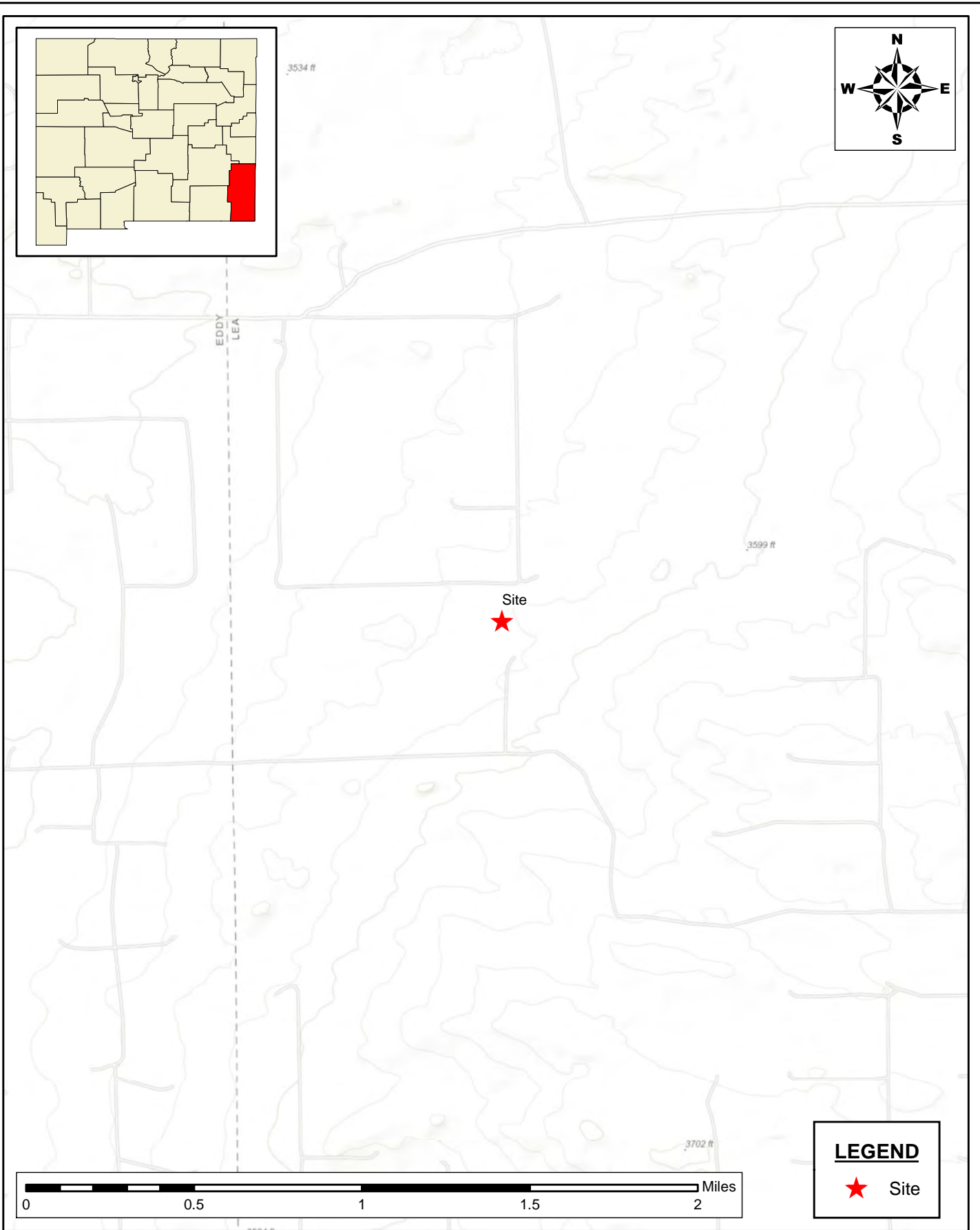
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**FIGURE 1**

SHEET NUMBER:

**1 of 1**

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**SITE AREA MAP**  
**CLOSURE REPORT**  
 DEVON ENERGY PRODUCTION COMPANY  
 PURRITO 18 FED COM 213H  
 LEA COUNTY, NEW MEXICO  
 32.3115623, -103.7090919



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DRAWING NUMBER:

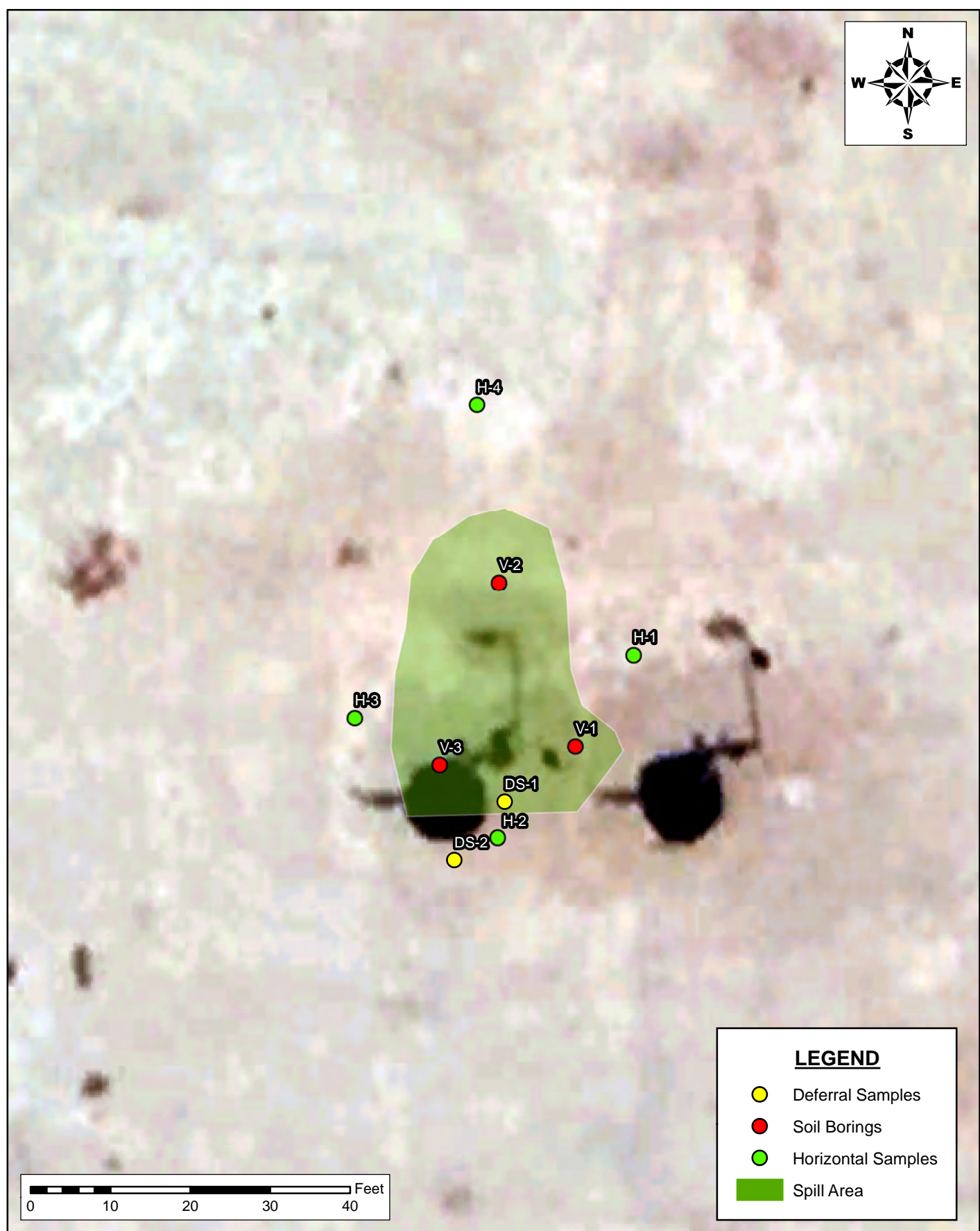
**FIGURE 2**

SHEET NUMBER:

**1 of 1**

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**LEGEND**

- Deferral Samples
- Soil Borings
- Horizontal Samples
- Spill Area

**SITE ASSESSMENT MAP**  
**CLOSURE REPORT**  
 DEVON ENERGY PRODUCTION COMPANY  
 PURRITO 18 FED COM 213H  
 LEA COUNTY, NEW MEXICO  
 32.3115623, -103.7090919

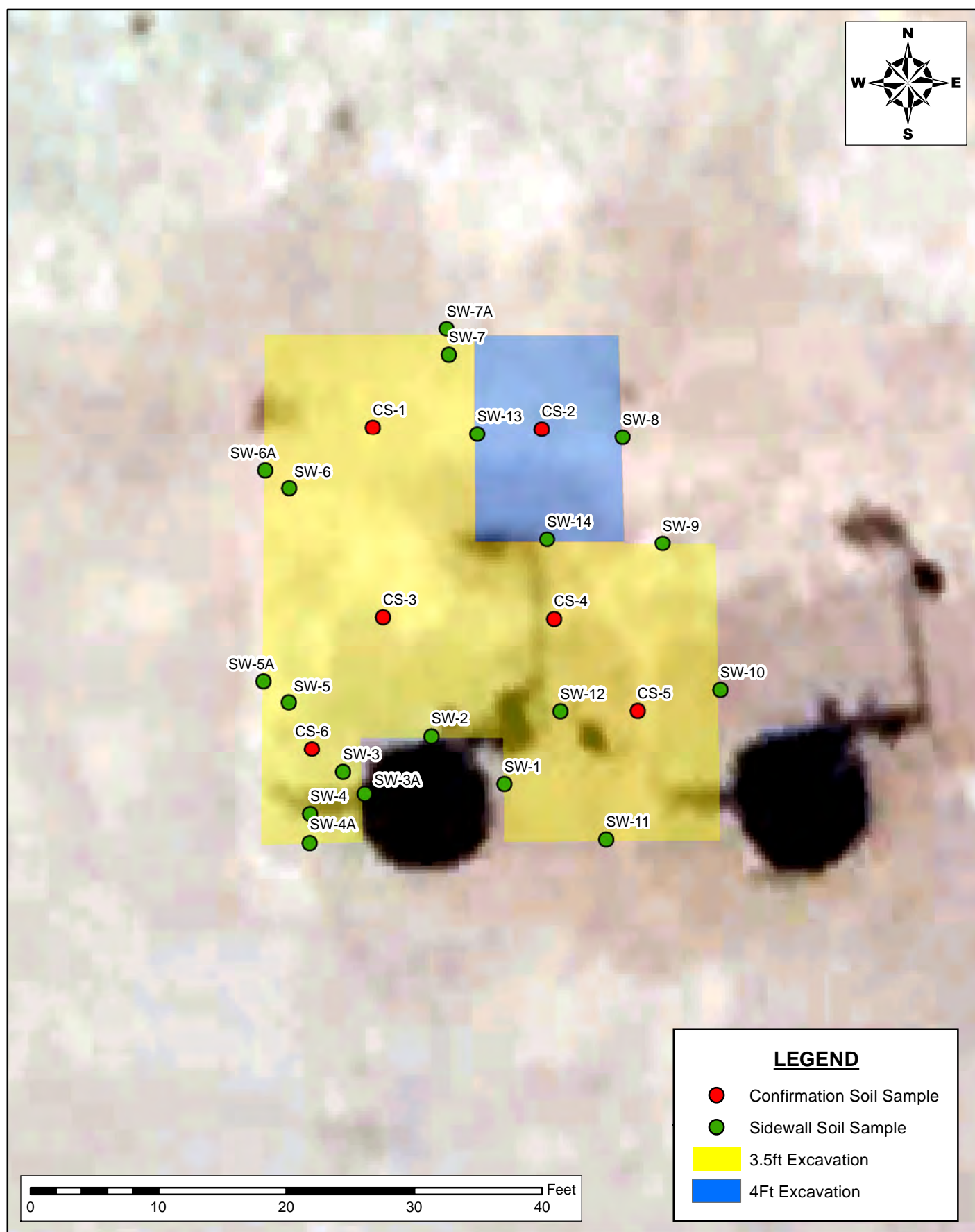
  
**New Tech Global Environmental, LLC**  
 911 Regional Park Drive  
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**NOTES:**  
 1. Base Image: ESRI Maps & Data 2013  
 2. Map Projection: NAD 1983

DRAWING NUMBER:  
**FIGURE 3**  
 SHEET NUMBER:  
**1 of 1**



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**LEGEND**

- Confirmation Soil Sample
- Sidewall Soil Sample
- 3.5ft Excavation
- 4ft Excavation

**CONFIRMATION MAP**  
 CLOSURE REPORT  
 DEVON ENERGY PRODUCTION COMPANY  
 PURRITO 18 FED COM 213H  
 LEA COUNTY, NEW MEXICO  
 32.3115623, -103.7090919

  
**New Tech Global Environmental, LLC**  
 911 Regional Park Drive  
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 Web: www.ntgenvironmental.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:** Purrito 18 Fed Com 213H

**County:** Lea County, New Mexico

**Description:**  
Area of impact.



### Photograph No. 2

**Facility:** Purrito 18 Fed Com 213H

**County:** Lea County, New Mexico

**Description:**  
Area of impact.



### Photograph No. 3

**Facility:** Purrito 18 Fed Com 213H

**County:** Lea County, New Mexico

**Description:**  
Area of impact.



# PHOTOGRAPHIC LOG

## Devon Energy Production Company

### Photograph No. 4

**Facility:** Purrito 18 Fed Com 213H

**County:** Lea County, New Mexico

**Description:**  
View of excavation.



### Photograph No. 5

**Facility:** Purrito 18 Fed Com 213H

**County:** Lea County, New Mexico

**Description:**  
View of excavation.



### Photograph No. 6

**Facility:** Purrito 18 Fed Com 213H

**County:** Lea County, New Mexico

**Description:**  
View of excavation.



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



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

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May 23, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: PURRITTO 18 FED COM 213H

Enclosed are the results of analyses for samples received by the laboratory on 05/18/23 12:40.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	05/18/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: H - 1 (H232516-01)**

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	05/20/2023	ND	2.01	101	2.00	4.84	
Toluene*	<0.050	0.050	05/20/2023	ND	1.99	99.3	2.00	5.48	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.08	104	2.00	4.83	
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.17	103	6.00	4.61	
Total BTEX	<0.300	0.300	05/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	128	16.0	05/19/2023	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	05/19/2023	ND	171	85.5	200	1.05	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	189	94.7	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	05/18/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: H - 2 (H232516-02)**

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	05/20/2023	ND	2.01	101	2.00	4.84	
Toluene*	<0.050	0.050	05/20/2023	ND	1.99	99.3	2.00	5.48	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.08	104	2.00	4.83	
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.17	103	6.00	4.61	
Total BTEX	<0.300	0.300	05/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	48.0	16.0	05/19/2023	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	05/19/2023	ND	171	85.5	200	1.05	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	189	94.7	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	05/18/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: H - 3 (H232516-03)**

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	05/20/2023	ND	2.01	101	2.00	4.84	
Toluene*	<0.050	0.050	05/20/2023	ND	1.99	99.3	2.00	5.48	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.08	104	2.00	4.83	
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.17	103	6.00	4.61	
Total BTEX	<0.300	0.300	05/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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
<b>Chloride</b>	<b>32.0</b>	16.0	05/19/2023	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	05/19/2023	ND	171	85.5	200	1.05	
<b>DRO &gt;C10-C28*</b>	<b>49.9</b>	10.0	05/19/2023	ND	189	94.7	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	05/18/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: H - 4 (H232516-04)**

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	05/20/2023	ND	2.01	101	2.00	4.84	
Toluene*	<0.050	0.050	05/20/2023	ND	1.99	99.3	2.00	5.48	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.08	104	2.00	4.83	
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.17	103	6.00	4.61	
Total BTEX	<0.300	0.300	05/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	144	16.0	05/19/2023	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	05/19/2023	ND	171	85.5	200	1.05	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	189	94.7	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	05/18/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: V - 1 0-6" (H232516-05)**

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	05/20/2023	ND	2.01	101	2.00	4.84	
Toluene*	<0.050	0.050	05/20/2023	ND	1.99	99.3	2.00	5.48	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.08	104	2.00	4.83	
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.17	103	6.00	4.61	
Total BTEX	<0.300	0.300	05/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	26200	16.0	05/19/2023	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	05/19/2023	ND	170	84.8	200	8.13	
DRO >C10-C28*	53.3	10.0	05/19/2023	ND	156	78.0	200	12.0	
EXT DRO >C28-C36	30.9	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 101 % 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:	05/18/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: V - 1 1-1.5' (H232516-06)**

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	05/20/2023	ND	2.01	101	2.00	4.84	
Toluene*	<0.050	0.050	05/20/2023	ND	1.99	99.3	2.00	5.48	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.08	104	2.00	4.83	
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.17	103	6.00	4.61	
Total BTEX	<0.300	0.300	05/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	1520	16.0	05/19/2023	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	05/19/2023	ND	170	84.8	200	8.13	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	156	78.0	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	05/18/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: V - 1 2-2.5' (H232516-07)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2023	ND	2.01	101	2.00	4.84	
Toluene*	<0.050	0.050	05/20/2023	ND	1.99	99.3	2.00	5.48	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.08	104	2.00	4.83	
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.17	103	6.00	4.61	
Total BTEX	<0.300	0.300	05/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	1360	16.0	05/19/2023	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	05/19/2023	ND	170	84.8	200	8.13	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	156	78.0	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	05/18/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: V - 1 3-3.5' (H232516-08)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2023	ND	2.01	101	2.00	4.84	
Toluene*	<0.050	0.050	05/20/2023	ND	1.99	99.3	2.00	5.48	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.08	104	2.00	4.83	
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.17	103	6.00	4.61	
Total BTEX	<0.300	0.300	05/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	80.0	16.0	05/19/2023	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	05/19/2023	ND	170	84.8	200	8.13	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	156	78.0	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	05/18/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: V - 2 0-6" (H232516-09)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	05/20/2023	ND	2.01	101	2.00	4.84	
<b>Toluene*</b>	<b>2.09</b>	0.200	05/20/2023	ND	1.99	99.3	2.00	5.48	GC-NC1
<b>Ethylbenzene*</b>	<b>3.85</b>	0.200	05/20/2023	ND	2.08	104	2.00	4.83	GC-NC1
<b>Total Xylenes*</b>	<b>23.5</b>	0.600	05/20/2023	ND	6.17	103	6.00	4.61	
<b>Total BTEX</b>	<b>29.5</b>	1.20	05/20/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 131 % 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
<b>Chloride</b>	<b>5280</b>	16.0	05/19/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10*</b>	<b>537</b>	10.0	05/19/2023	ND	170	84.8	200	8.13		
<b>DRO &gt;C10-C28*</b>	<b>5090</b>	10.0	05/19/2023	ND	156	78.0	200	12.0		
<b>EXT DRO &gt;C28-C36</b>	<b>1020</b>	10.0	05/19/2023	ND						

Surrogate: 1-Chlorooctane 161 % 48.2-134

Surrogate: 1-Chlorooctadecane 151 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	05/18/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: V - 2 1-1.5' (H232516-10)**

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	05/20/2023	ND	2.01	101	2.00	4.84	
Toluene*	<0.050	0.050	05/20/2023	ND	1.99	99.3	2.00	5.48	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.08	104	2.00	4.83	
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.17	103	6.00	4.61	
Total BTEX	<0.300	0.300	05/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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
<b>Chloride</b>	<b>352</b>	16.0	05/19/2023	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	05/19/2023	ND	170	84.8	200	8.13	
<b>DRO &gt;C10-C28*</b>	<b>142</b>	10.0	05/19/2023	ND	156	78.0	200	12.0	
<b>EXT DRO &gt;C28-C36</b>	<b>35.5</b>	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	05/18/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: V - 2 2-2.5' (H232516-11)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2023	ND	2.01	101	2.00	4.84	
Toluene*	<0.050	0.050	05/20/2023	ND	1.99	99.3	2.00	5.48	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.08	104	2.00	4.83	
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.17	103	6.00	4.61	
Total BTEX	<0.300	0.300	05/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	80.0	16.0	05/19/2023	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	05/19/2023	ND	170	84.8	200	8.13	
DRO >C10-C28*	17.2	10.0	05/19/2023	ND	156	78.0	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	05/18/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: V - 2 3-3.5' (H232516-12)**

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	05/20/2023	ND	2.01	101	2.00	4.84	
Toluene*	<0.050	0.050	05/20/2023	ND	1.99	99.3	2.00	5.48	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.08	104	2.00	4.83	
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.17	103	6.00	4.61	
Total BTEX	<0.300	0.300	05/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	05/19/2023	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	05/19/2023	ND	170	84.8	200	8.13	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	156	78.0	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	05/18/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: V - 3 0-6" (H232516-13)**

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	05/20/2023	ND	2.01	101	2.00	4.84	
Toluene*	<0.050	0.050	05/20/2023	ND	1.99	99.3	2.00	5.48	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.08	104	2.00	4.83	
<b>Total Xylenes*</b>	<b>0.561</b>	0.150	05/20/2023	ND	6.17	103	6.00	4.61	
<b>Total BTEX</b>	<b>0.561</b>	0.300	05/20/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>4000</b>	16.0	05/19/2023	ND	416	104	400	3.92	QM-07

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10*</b>	<b>132</b>	10.0	05/19/2023	ND	170	84.8	200	8.13		
<b>DRO &gt;C10-C28*</b>	<b>4430</b>	10.0	05/19/2023	ND	156	78.0	200	12.0		
<b>EXT DRO &gt;C28-C36</b>	<b>919</b>	10.0	05/19/2023	ND						

Surrogate: 1-Chlorooctane 142 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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**Analytical Results For:**

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

Received:	05/18/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: V - 3 1-1.5' (H232516-14)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2023	ND	2.01	101	2.00	4.84	
Toluene*	<0.050	0.050	05/20/2023	ND	1.99	99.3	2.00	5.48	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.08	104	2.00	4.83	
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.17	103	6.00	4.61	
Total BTEX	<0.300	0.300	05/20/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	05/19/2023	ND	416	104	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*	17.0	10.0	05/19/2023	ND	170	84.8	200	8.13	
DRO >C10-C28*	692	10.0	05/19/2023	ND	156	78.0	200	12.0	
EXT DRO >C28-C36	152	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	05/18/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: V - 3 2-2.5' (H232516-15)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2023	ND	2.01	101	2.00	4.84	
Toluene*	<0.050	0.050	05/20/2023	ND	1.99	99.3	2.00	5.48	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.08	104	2.00	4.83	
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.17	103	6.00	4.61	
Total BTEX	<0.300	0.300	05/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	<b>448</b>	16.0	05/19/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/20/2023	ND	170	84.8	200	8.13	
<b>DRO &gt;C10-C28*</b>	<b>23.1</b>	10.0	05/20/2023	ND	156	78.0	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	05/20/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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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.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: **DTGE**  
 Project Manager: **Ethan Sessions**  
 Address: **402 E Wood Ave**  
 City: **Carlsbad** State: **NM** Zip: **88220**  
 Phone #: **254-766-5456** Fax #:  
 Project #: **Devon** Project Owner:  
 Project Name: **Purcitt 10 18 Fed Com 213H** City:  
 Project Location: **Lea Co.** State: Zip:  
 Sampler Name: **Ethan Sessions** Phone #:  
 Fax #:

P.O. #: **21165416**  
 Company: **Devon**  
 Attn: **Dale Madell**  
 Address:  
 City:  
 State: Zip:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV.	SAMPLING	DATE	TIME	REMARKS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
<b>A238516</b>	H-1	G	1									5-17	16:00	BTEX 8021 Chloride 4500 TPH 8015	
	H-2	G	1										10:05		
	H-3	G	1										10:10		
	H-4	G	1										10:15		
	V-1	G	1										10:20		
	V-1	G	1										16:25		
	V-1	G	1										10:30		
	V-1	G	1										10:35		
	V-2	G	1										10:40		
	V-2	G	1										10:45		

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Relinquished By: *[Signature]* Date: **5/18** Received By: *[Signature]*  
 Time: **12:40** Received By: *[Signature]*  
 Date: **5/18** Received By: *[Signature]*  
 Time: **12:40** Received By: *[Signature]*

Delivered By: (Circle One) Observed Temp. °C: **3.9** Sample Condition Cool Intact  Yes  No  
 Corrected Temp. °C: **-4.5**  Yes  No  
 Checked By: *[Signature]* (Initials) **yo**  
 Turnaround Time: Thermometer ID #113 Standard  Bacteria (only) Sample Condition  
 Correction Factor -0.8°C  Rush  Cool Intact  Yes  No  Observed Temp. °C  
 Yes  No  Corrected Temp. °C

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



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: MTGE P.O. #: 21165416  
 Project Manager: Ethan Sessums Company: Devon  
 Address: 402 E Wood Ave Attn: Dale Woodall  
 City: Carlsbad State: NM Zip: 88226  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: Devon  
 Project Name: RR: #18 Fed Con 213H State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Project Location: Lea Co. Phone #: \_\_\_\_\_  
 Sampler Name: Ethan Sessums Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	FOR LAB USE ONLY		MATRIX	PRESERV.	SAMPLING	DATE	TIME	ANALYSIS
		(G)RAB OR (C)OMP.	# CONTAINERS						
<u>HB32516</u>	<u>U-2 2-2.5'</u>	<input checked="" type="checkbox"/>	<u>6</u>	GROUNDWATER			<u>5/17</u>	<u>10:56</u>	<u>BTEX 8021</u>
	<u>U-2 3-3.5'</u>	<input checked="" type="checkbox"/>	<u>6</u>	WASTEWATER				<u>10:55</u>	<u>Chloride 400</u>
	<u>U-3 0-6"</u>	<input checked="" type="checkbox"/>	<u>6</u>	SOIL				<u>11:00</u>	<u>TPH 8015</u>
	<u>U-3 1-1.5'</u>	<input checked="" type="checkbox"/>	<u>6</u>	OIL				<u>11:05</u>	
	<u>U-3 2-2.5'</u>	<input checked="" type="checkbox"/>	<u>6</u>	SLUDGE				<u>11:18</u>	

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Relinquished By: \_\_\_\_\_ Date: 5/18 Received By: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date: 5/18 Received By: \_\_\_\_\_  
 Delivered By: (Circle One) Observed Temp. °C: -3.9 Sample Condition:  Intact  Broken  
 Sampler - UPS - Bus - Other: Corrected Temp. °C: -4.5  Yes  No  
 CHECKED BY: (Initials) ES  
 Turnaround Time: \_\_\_\_\_ Standard   Add'l Phone #: \_\_\_\_\_  
 Thermometer ID #113 Bacteria (only) Sample Condition:  Cool  Intact  Observed Temp. °C: \_\_\_\_\_  
 Correction Factor -0.6°C  Yes  No Corrected Temp. °C: \_\_\_\_\_

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





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September 21, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: PURRITTO 18 FED COM 213H

Enclosed are the results of analyses for samples received by the laboratory on 09/19/23 13:55.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

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:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO.		

**Sample ID: CS - 1 2.5' (H235069-01)**

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	09/19/2023	ND	2.24	112	2.00	6.01	
Toluene*	<0.050	0.050	09/19/2023	ND	2.29	114	2.00	4.87	
Ethylbenzene*	<0.050	0.050	09/19/2023	ND	2.23	112	2.00	5.48	
Total Xylenes*	<0.150	0.150	09/19/2023	ND	6.71	112	6.00	4.62	
Total BTEX	<0.300	0.300	09/19/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1220</b>	16.0	09/20/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	200	100	200	6.07	
<b>DRO &gt;C10-C28*</b>	<b>52.6</b>	10.0	09/20/2023	ND	190	94.8	200	5.29	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO.		

**Sample ID: CS - 2 2.5' (H235069-02)**

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	09/19/2023	ND	2.24	112	2.00	6.01	
Toluene*	<0.050	0.050	09/19/2023	ND	2.29	114	2.00	4.87	
Ethylbenzene*	<0.050	0.050	09/19/2023	ND	2.23	112	2.00	5.48	
Total Xylenes*	<0.150	0.150	09/19/2023	ND	6.71	112	6.00	4.62	
Total BTEX	<0.300	0.300	09/19/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/20/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	200	100	200	6.07	
DRO >C10-C28*	15.5	10.0	09/20/2023	ND	190	94.8	200	5.29	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 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:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO.		

**Sample ID: CS - 3 2.5' (H235069-03)**

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	09/19/2023	ND	2.24	112	2.00	6.01	
Toluene*	<0.050	0.050	09/19/2023	ND	2.29	114	2.00	4.87	
Ethylbenzene*	<0.050	0.050	09/19/2023	ND	2.23	112	2.00	5.48	
Total Xylenes*	<0.150	0.150	09/19/2023	ND	6.71	112	6.00	4.62	
Total BTEX	<0.300	0.300	09/19/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	09/20/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	200	100	200	6.07	
DRO >C10-C28*	52.5	10.0	09/20/2023	ND	190	94.8	200	5.29	
EXT DRO >C28-C36	12.3	10.0	09/20/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO.		

**Sample ID: CS - 4 2.5' (H235069-04)**

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	09/19/2023	ND	2.24	112	2.00	6.01	
Toluene*	<0.050	0.050	09/19/2023	ND	2.29	114	2.00	4.87	
Ethylbenzene*	<0.050	0.050	09/19/2023	ND	2.23	112	2.00	5.48	
Total Xylenes*	<0.150	0.150	09/19/2023	ND	6.71	112	6.00	4.62	
Total BTEX	<0.300	0.300	09/19/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>480</b>	16.0	09/20/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	200	100	200	6.07	
<b>DRO &gt;C10-C28*</b>	<b>102</b>	10.0	09/20/2023	ND	190	94.8	200	5.29	
<b>EXT DRO &gt;C28-C36</b>	<b>33.1</b>	10.0	09/20/2023	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO.		

**Sample ID: CS - 5 3.5' (H235069-05)**

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	09/19/2023	ND	2.24	112	2.00	6.01	
Toluene*	<0.050	0.050	09/19/2023	ND	2.29	114	2.00	4.87	
Ethylbenzene*	<0.050	0.050	09/19/2023	ND	2.23	112	2.00	5.48	
Total Xylenes*	<0.150	0.150	09/19/2023	ND	6.71	112	6.00	4.62	
Total BTEX	<0.300	0.300	09/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	128	16.0	09/20/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	200	100	200	6.07	
DRO >C10-C28*	<10.0	10.0	09/20/2023	ND	190	94.8	200	5.29	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					

Surrogate: 1-Chlorooctane 98.4 % 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:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO.		

**Sample ID: SW - 1 0-2.5' (H235069-06)**

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	09/19/2023	ND	2.24	112	2.00	6.01	
Toluene*	<0.050	0.050	09/19/2023	ND	2.29	114	2.00	4.87	
Ethylbenzene*	<0.050	0.050	09/19/2023	ND	2.23	112	2.00	5.48	
Total Xylenes*	<0.150	0.150	09/19/2023	ND	6.71	112	6.00	4.62	
Total BTEX	<0.300	0.300	09/19/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20400	16.0	09/20/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	200	100	200	6.07	
DRO >C10-C28*	1220	10.0	09/20/2023	ND	190	94.8	200	5.29	
EXT DRO >C28-C36	450	10.0	09/20/2023	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO.		

**Sample ID: SW - 2 0-2.5' (H235069-07)**

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	09/19/2023	ND	2.24	112	2.00	6.01		
Toluene*	<0.050	0.050	09/19/2023	ND	2.29	114	2.00	4.87		
Ethylbenzene*	<0.050	0.050	09/19/2023	ND	2.23	112	2.00	5.48		
Total Xylenes*	<0.150	0.150	09/19/2023	ND	6.71	112	6.00	4.62		
Total BTEX	<0.300	0.300	09/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	1100	16.0	09/20/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	200	100	200	6.07		
DRO >C10-C28*	<10.0	10.0	09/20/2023	ND	190	94.8	200	5.29		
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND						

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO.		

**Sample ID: SW - 3 0-2.5' (H235069-08)**

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	09/20/2023	ND	2.32	116	2.00	4.41		
Toluene*	<0.050	0.050	09/20/2023	ND	2.36	118	2.00	3.80		
Ethylbenzene*	<0.050	0.050	09/20/2023	ND	2.47	123	2.00	4.27		
Total Xylenes*	<0.150	0.150	09/20/2023	ND	6.96	116	6.00	5.72		
Total BTEX	<0.300	0.300	09/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	
<b>Chloride</b>	<b>864</b>	16.0	09/20/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	200	100	200	6.07		
<b>DRO &gt;C10-C28*</b>	<b>220</b>	10.0	09/20/2023	ND	190	94.8	200	5.29		
<b>EXT DRO &gt;C28-C36</b>	<b>104</b>	10.0	09/20/2023	ND						

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 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:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO.		

**Sample ID: SW - 4 0-2.5' (H235069-09)**

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	09/20/2023	ND	2.32	116	2.00	4.41	
Toluene*	<0.050	0.050	09/20/2023	ND	2.36	118	2.00	3.80	
Ethylbenzene*	<0.050	0.050	09/20/2023	ND	2.47	123	2.00	4.27	
Total Xylenes*	<0.150	0.150	09/20/2023	ND	6.96	116	6.00	5.72	
Total BTEX	<0.300	0.300	09/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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
<b>Chloride</b>	<b>368</b>	16.0	09/20/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	200	100	200	6.07	
<b>DRO &gt;C10-C28*</b>	<b>126</b>	10.0	09/20/2023	ND	190	94.8	200	5.29	
<b>EXT DRO &gt;C28-C36</b>	<b>60.6</b>	10.0	09/20/2023	ND					

Surrogate: 1-Chlorooctane 79.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 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:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO.		

**Sample ID: SW - 5 0-2.5' (H235069-10)**

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	09/20/2023	ND	2.32	116	2.00	4.41	
Toluene*	<0.050	0.050	09/20/2023	ND	2.36	118	2.00	3.80	
Ethylbenzene*	<0.050	0.050	09/20/2023	ND	2.47	123	2.00	4.27	
Total Xylenes*	<0.150	0.150	09/20/2023	ND	6.96	116	6.00	5.72	
Total BTEX	<0.300	0.300	09/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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
<b>Chloride</b>	<b>192</b>	16.0	09/20/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	200	100	200	6.07	
<b>DRO &gt;C10-C28*</b>	<b>91.5</b>	10.0	09/20/2023	ND	190	94.8	200	5.29	
<b>EXT DRO &gt;C28-C36</b>	<b>33.1</b>	10.0	09/20/2023	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO.		

**Sample ID: SW - 6 0-2.5' (H235069-11)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2023	ND	2.32	116	2.00	4.41	
Toluene*	<0.050	0.050	09/20/2023	ND	2.36	118	2.00	3.80	
Ethylbenzene*	<0.050	0.050	09/20/2023	ND	2.47	123	2.00	4.27	
Total Xylenes*	<0.150	0.150	09/20/2023	ND	6.96	116	6.00	5.72	
Total BTEX	<0.300	0.300	09/20/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1300	16.0	09/20/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	200	100	200	6.07	
<b>DRO &gt;C10-C28*</b>	<b>76.9</b>	10.0	09/20/2023	ND	190	94.8	200	5.29	
<b>EXT DRO &gt;C28-C36</b>	<b>202</b>	10.0	09/20/2023	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO.		

**Sample ID: SW - 7 0-2.5' (H235069-12)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2023	ND	2.32	116	2.00	4.41		
Toluene*	<0.050	0.050	09/20/2023	ND	2.36	118	2.00	3.80		
Ethylbenzene*	<0.050	0.050	09/20/2023	ND	2.47	123	2.00	4.27		
Total Xylenes*	<0.150	0.150	09/20/2023	ND	6.96	116	6.00	5.72		
Total BTEX	<0.300	0.300	09/20/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1010	16.0	09/20/2023	ND	448	112	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	209	105	200	1.73		
DRO >C10-C28*	<10.0	10.0	09/20/2023	ND	209	104	200	2.82		
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND						

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO.		

**Sample ID: SW - 8 0-2.5' (H235069-13)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2023	ND	2.32	116	2.00	4.41	
Toluene*	<0.050	0.050	09/20/2023	ND	2.36	118	2.00	3.80	
Ethylbenzene*	<0.050	0.050	09/20/2023	ND	2.47	123	2.00	4.27	
Total Xylenes*	<0.150	0.150	09/20/2023	ND	6.96	116	6.00	5.72	
Total BTEX	<0.300	0.300	09/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	560	16.0	09/20/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	209	105	200	1.73	
DRO >C10-C28*	<10.0	10.0	09/20/2023	ND	209	104	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.8 % 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:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO.		

**Sample ID: SW - 9 0-3.5' (H235069-14)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2023	ND	2.32	116	2.00	4.41	
Toluene*	<0.050	0.050	09/20/2023	ND	2.36	118	2.00	3.80	
Ethylbenzene*	<0.050	0.050	09/20/2023	ND	2.47	123	2.00	4.27	
Total Xylenes*	<0.150	0.150	09/20/2023	ND	6.96	116	6.00	5.72	
Total BTEX	<0.300	0.300	09/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	09/20/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	209	105	200	1.73	
DRO >C10-C28*	<10.0	10.0	09/20/2023	ND	209	104	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO.		

**Sample ID: SW - 10 0-3.5' (H235069-15)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2023	ND	2.32	116	2.00	4.41		
Toluene*	<0.050	0.050	09/20/2023	ND	2.36	118	2.00	3.80		
Ethylbenzene*	<0.050	0.050	09/20/2023	ND	2.47	123	2.00	4.27		
Total Xylenes*	<0.150	0.150	09/20/2023	ND	6.96	116	6.00	5.72		
Total BTEX	<0.300	0.300	09/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	09/20/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	209	105	200	1.73		
DRO >C10-C28*	<10.0	10.0	09/20/2023	ND	209	104	200	2.82		
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND						

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO.		

**Sample ID: SW - 11 0-3.5' (H235069-16)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2023	ND	2.32	116	2.00	4.41	
Toluene*	<0.050	0.050	09/20/2023	ND	2.36	118	2.00	3.80	
Ethylbenzene*	<0.050	0.050	09/20/2023	ND	2.47	123	2.00	4.27	
Total Xylenes*	<0.150	0.150	09/20/2023	ND	6.96	116	6.00	5.72	
Total BTEX	<0.300	0.300	09/20/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/20/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	209	105	200	1.73	
DRO >C10-C28*	<10.0	10.0	09/20/2023	ND	209	104	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	PURRITTO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO.		

**Sample ID: SW - 12 2.5-3.5' (H235069-17)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2023	ND	2.32	116	2.00	4.41	
Toluene*	<0.050	0.050	09/20/2023	ND	2.36	118	2.00	3.80	
Ethylbenzene*	<0.050	0.050	09/20/2023	ND	2.47	123	2.00	4.27	
Total Xylenes*	<0.150	0.150	09/20/2023	ND	6.96	116	6.00	5.72	
Total BTEX	<0.300	0.300	09/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	160	16.0	09/20/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	209	105	200	1.73	
DRO >C10-C28*	638	10.0	09/20/2023	ND	209	104	200	2.82	
EXT DRO >C28-C36	243	10.0	09/20/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 147 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: A235069

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Matthews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 W McKay St	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	(432) 701-2159	Email:	Wesley.Matthews@devon.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> RP <input type="checkbox"/> Downfields <input type="checkbox"/> RC <input type="checkbox"/> S <input type="checkbox"/> Refund
State of Project:	
Reporting Level I	<input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Sample Identification	Depth	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST										Preservative Codes
								BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500	HOLD							
CS-1	2.5'	9/19/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X	None: NO
CS-2	2.5'	9/19/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X	MeOH: Me
CS-3	2.5'	9/19/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X	HCL: HC
CS-4	2.5'	9/19/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X	HNO <sub>3</sub> : HN
CS-5	3.5'	9/19/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>
SW-1	0-2.5'	9/19/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X	H <sub>3</sub> PO <sub>4</sub> : HP
SW-2	0-2.5'	9/19/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X	NaHSO <sub>4</sub> : NABIS
SW-3	0-2.5'	9/19/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X	Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>
SW-4	0-2.5'	9/19/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X	Zn Acetate+NaOH: Zn
SW-5	0-2.5'	9/19/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X	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>	9/19/23 13:55			





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October 09, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: PURRITO 18 FED COM 213H

Enclosed are the results of analyses for samples received by the laboratory on 10/06/23 12:53.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/06/2023	Sampling Date:	10/06/2023
Reported:	10/09/2023	Sampling Type:	Soil
Project Name:	PURRITO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Shari Cisneros
Project Location:	DEVON - LEA CO.		

**Sample ID: CS-2 4' (H235457-01)**

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	10/06/2023	ND	2.14	107	2.00	4.28	
Toluene*	<0.050	0.050	10/06/2023	ND	2.18	109	2.00	5.04	
Ethylbenzene*	<0.050	0.050	10/06/2023	ND	2.08	104	2.00	4.34	
Total Xylenes*	<0.150	0.150	10/06/2023	ND	6.27	105	6.00	4.77	
Total BTEX	<0.300	0.300	10/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 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	112	16.0	10/09/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2023	ND	180	90.1	200	1.09	
DRO >C10-C28*	<10.0	10.0	10/06/2023	ND	187	93.5	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/06/2023	ND					

Surrogate: 1-Chlorooctane 58.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/06/2023	Sampling Date:	10/06/2023
Reported:	10/09/2023	Sampling Type:	Soil
Project Name:	PURRITO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Shari Cisneros
Project Location:	DEVON - LEA CO.		

**Sample ID: SW-13 3.5-4' (H235457-02)**

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	10/06/2023	ND	2.14	107	2.00	4.28	
Toluene*	<0.050	0.050	10/06/2023	ND	2.18	109	2.00	5.04	
Ethylbenzene*	<0.050	0.050	10/06/2023	ND	2.08	104	2.00	4.34	
Total Xylenes*	<0.150	0.150	10/06/2023	ND	6.27	105	6.00	4.77	
Total BTEX	<0.300	0.300	10/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 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	128	16.0	10/09/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2023	ND	180	90.1	200	1.09	
DRO >C10-C28*	<10.0	10.0	10/06/2023	ND	187	93.5	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/06/2023	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	10/06/2023	Sampling Date:	10/06/2023
Reported:	10/09/2023	Sampling Type:	Soil
Project Name:	PURRITO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Shari Cisneros
Project Location:	DEVON - LEA CO.		

**Sample ID: SW-14 3.5-4' (H235457-03)**

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	10/06/2023	ND	2.14	107	2.00	4.28		
Toluene*	<0.050	0.050	10/06/2023	ND	2.18	109	2.00	5.04		
Ethylbenzene*	<0.050	0.050	10/06/2023	ND	2.08	104	2.00	4.34		
Total Xylenes*	<0.150	0.150	10/06/2023	ND	6.27	105	6.00	4.77		
Total BTEX	<0.300	0.300	10/06/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/09/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/06/2023	ND	180	90.1	200	1.09		
DRO >C10-C28*	<10.0	10.0	10/06/2023	ND	187	93.5	200	2.21		
EXT DRO >C28-C36	<10.0	10.0	10/06/2023	ND						

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

Cardinal Laboratories

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager





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November 07, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: PURRITO 18 FED COM 213H

Enclosed are the results of analyses for samples received by the laboratory on 11/01/23 14:18.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/01/2023	Sampling Date:	10/31/2023
Reported:	11/07/2023	Sampling Type:	Soil
Project Name:	PURRITO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: DS - 1 0-0.5' (H235993-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2023	ND	1.92	95.9	2.00	1.00	
Toluene*	<0.050	0.050	11/04/2023	ND	2.03	102	2.00	0.342	
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.03	102	2.00	0.975	
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.17	103	6.00	0.640	
Total BTEX	<0.300	0.300	11/04/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/06/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	208	104	200	4.40	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	181	90.7	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/01/2023	Sampling Date:	10/31/2023
Reported:	11/07/2023	Sampling Type:	Soil
Project Name:	PURRITO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: DS - 1 1-1.5' (H235993-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2023	ND	1.92	95.9	2.00	1.00	
Toluene*	<0.050	0.050	11/04/2023	ND	2.03	102	2.00	0.342	
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.03	102	2.00	0.975	
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.17	103	6.00	0.640	
Total BTEX	<0.300	0.300	11/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/06/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	208	104	200	4.40	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	181	90.7	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/01/2023	Sampling Date:	10/31/2023
Reported:	11/07/2023	Sampling Type:	Soil
Project Name:	PURRITO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: DS - 1 2-2.5' (H235993-03)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2023	ND	1.92	95.9	2.00	1.00	
Toluene*	<0.050	0.050	11/04/2023	ND	2.03	102	2.00	0.342	
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.03	102	2.00	0.975	
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.17	103	6.00	0.640	
Total BTEX	<0.300	0.300	11/04/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/06/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	208	104	200	4.40	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	181	90.7	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/01/2023	Sampling Date:	10/31/2023
Reported:	11/07/2023	Sampling Type:	Soil
Project Name:	PURRITO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: DS - 1 3-3.5' (H235993-04)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2023	ND	1.92	95.9	2.00	1.00	
Toluene*	<0.050	0.050	11/04/2023	ND	2.03	102	2.00	0.342	
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.03	102	2.00	0.975	
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.17	103	6.00	0.640	
Total BTEX	<0.300	0.300	11/04/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/06/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	208	104	200	4.40	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	181	90.7	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	11/01/2023	Sampling Date:	10/31/2023
Reported:	11/07/2023	Sampling Type:	Soil
Project Name:	PURRITO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: DS - 1 4-4.5' (H235993-05)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2023	ND	1.92	95.9	2.00	1.00	
Toluene*	<0.050	0.050	11/04/2023	ND	2.03	102	2.00	0.342	
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.03	102	2.00	0.975	
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.17	103	6.00	0.640	
Total BTEX	<0.300	0.300	11/04/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/06/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	208	104	200	4.40	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	181	90.7	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/01/2023	Sampling Date:	10/31/2023
Reported:	11/07/2023	Sampling Type:	Soil
Project Name:	PURRITO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: DS - 2 0-0.5' (H235993-06)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2023	ND	1.92	95.9	2.00	1.00	
Toluene*	<0.050	0.050	11/04/2023	ND	2.03	102	2.00	0.342	
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.03	102	2.00	0.975	
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.17	103	6.00	0.640	
Total BTEX	<0.300	0.300	11/04/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1230</b>	16.0	11/06/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	208	104	200	4.40	
<b>DRO &gt;C10-C28*</b>	<b>26.3</b>	10.0	11/03/2023	ND	181	90.7	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/01/2023	Sampling Date:	10/31/2023
Reported:	11/07/2023	Sampling Type:	Soil
Project Name:	PURRITO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: DS - 2 1-1.5' (H235993-07)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2023	ND	1.92	95.9	2.00	1.00	
Toluene*	<0.050	0.050	11/04/2023	ND	2.03	102	2.00	0.342	
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.03	102	2.00	0.975	
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.17	103	6.00	0.640	
Total BTEX	<0.300	0.300	11/04/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/06/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	208	104	200	4.40	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	181	90.7	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/01/2023	Sampling Date:	10/31/2023
Reported:	11/07/2023	Sampling Type:	Soil
Project Name:	PURRITO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: DS - 2 2-2.5' (H235993-08)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2023	ND	1.92	95.9	2.00	1.00	
Toluene*	<0.050	0.050	11/04/2023	ND	2.03	102	2.00	0.342	
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.03	102	2.00	0.975	
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.17	103	6.00	0.640	
Total BTEX	<0.300	0.300	11/04/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	11/06/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	208	104	200	4.40	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	181	90.7	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/01/2023	Sampling Date:	10/31/2023
Reported:	11/07/2023	Sampling Type:	Soil
Project Name:	PURRITO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: DS - 2 3-3.5' (H235993-09)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2023	ND	1.93	96.6	2.00	6.12	
Toluene*	<0.050	0.050	11/04/2023	ND	2.02	101	2.00	5.09	
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.03	102	2.00	4.42	
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.17	103	6.00	4.01	
Total BTEX	<0.300	0.300	11/04/2023	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	48.0	16.0	11/06/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	208	104	200	4.40	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	181	90.7	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.6 % 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:	11/01/2023	Sampling Date:	10/31/2023
Reported:	11/07/2023	Sampling Type:	Soil
Project Name:	PURRITO 18 FED COM 213H	Sampling Condition:	Cool & Intact
Project Number:	237354	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO.		

**Sample ID: DS - 2 4-4.5' (H235993-10)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2023	ND	1.93	96.6	2.00	6.12	
Toluene*	<0.050	0.050	11/04/2023	ND	2.02	101	2.00	5.09	
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.03	102	2.00	4.42	
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.17	103	6.00	4.01	
Total BTEX	<0.300	0.300	11/04/2023	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	96.0	16.0	11/06/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	208	104	200	4.40	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	181	90.7	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.5 % 49.1-148

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Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: A235993

Project Manager:	Ethan Sessums	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	209 W McKay St	Address:	
City, State ZIP:	Garlsbad, NM 88220	City, State ZIP:	
Phone:	432-766-1918	Email:	
Project Name:	Puerto 18 Fed Com 213H	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush
Project Number:	237354	Due Date:	
Project Location:	Lea Co, NM	Pres. Code	
Sampler's Name:	Dmitry Nikanorov	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	2165416	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
<b>SAMPLE RECEIPT</b>		Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Total Containers:			

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters				Preservative Codes	Sample Comments
								BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500	HOLD		
DS-1	0-0.5'	10/31/2023		X		Grab/	1	X	X	X			
DS-1	1-1.5'	10/31/2023		X		Grab/	1	X	X	X			
DS-1	2-2.5'	10/31/2023		X		Grab/	1	X	X	X			
DS-1	3-3.5'	10/31/2023		X		Grab/	1	X	X	X			
DS-1	4-4.5'	10/31/2023		X		Grab/	1	X	X	X			
DS-2	0-0.5'	10/31/2023		X		Grab/	1	X	X	X			
DS-2	1-1.5'	10/31/2023		X		Grab/	1	X	X	X			
DS-2	2-2.5'	10/31/2023		X		Grab/	1	X	X	X			
DS-2	3-3.5'	10/31/2023		X		Grab/	1	X	X	X			
DS-2	4-4.5'	10/31/2023		X		Grab/	1	X	X	X			

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	11-1-23 1418			



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

QUESTIONS

Action 349781

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 349781
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2313025409
Incident Name	NAPP2313025409 PURRITO 18 FEDERAL COM #213H @ 30-025-46249
Incident Type	Oil Release
Incident Status	Deferral Request Received
Incident Well	[30-025-46249] PURRITO 18 FEDERAL COM #213H

**Location of Release Source**

Please answer all the questions in this group.

Site Name	PURRITO 18 FEDERAL COM #213H
Date Release Discovered	05/09/2023
Surface Owner	Federal

**Incident Details**

Please answer all the questions in this group.

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

**Nature and Volume of Release**

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Equipment Failure   Other (Specify)   Crude Oil   Released: 6 BBL   Recovered: 0 BBL   Lost: 6 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Operator noticed fluids spraying out of stuffing box. Inspection indicated that a piece of rubber was in the tubing of the spill pot. This caused fluids to not go into the spill pot and the unit was not shut down as a result. The unit was shut off to stop the spill. As of this notice, recovered fluid volumes are not available. Spill was not in containment. Fluids did not go offsite.

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QUESTIONS, Page 2

Action 349781

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	349781
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>No</b>
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

**Initial Response**

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

The source of the release has been stopped	<b>True</b>
The impacted area has been secured to protect human health and the environment	<b>True</b>
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	<b>True</b>
All free liquids and recoverable materials have been removed and managed appropriately	<b>False</b>
If all the actions described above have not been undertaken, explain why	<b>as of this notice, recovered fluid volumes are not available.</b>

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 05/31/2024
--	--

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**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 349781
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

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

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	26200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	6647
GRO+DRO (EPA SW-846 Method 8015M)	5627
BTEX (EPA SW-846 Method 8021B or 8260B)	30
Benzene (EPA SW-846 Method 8021B or 8260B)	1

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

On what estimated date will the remediation commence	09/19/2023
On what date will (or did) the final sampling or liner inspection occur	10/06/2023
On what date will (or was) the remediation complete(d)	10/31/2023
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	1194
What is the estimated volume (in cubic yards) that will be remediated	158

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

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

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QUESTIONS, Page 4

Action 349781

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 349781
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

**Remediation Plan (continued)**

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

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	LEA LAND LANDFILL [fEEM0112342028]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 05/31/2024
--	--

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

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QUESTIONS, Page 5

Action 349781

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 349781
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	The area is directly under or next to the on-pad facilities and power poles
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	200
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	8
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (##) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-025-46249 PURRITO 18 FEDERAL COM #213H
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 05/31/2024

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 6

Action 349781

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 349781
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>308428</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>10/06/2023</b>
What was the (estimated) number of samples that were to be gathered	<b>3</b>
What was the sampling surface area in square feet	<b>400</b>

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

**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**  
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CONDITIONS

Action 349781

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 349781
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**CONDITIONS**

Created By	Condition	Condition Date
scott.rodgers	Deferral approved. Deferral of SW-1 and SW-2 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	6/13/2024