

Incident ID	NGRL1031436824
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 ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	NGRL1031436824
District RP	
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Application ID	

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

Printed Name:    Dale Woodall    Title:    Env. Professional   

Signature:    Dale Woodall    Date:    10/24/23   

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

**OCD Only**

Received by:    Scott Rodgers    Date:    10/25/2023

Incident ID	NGRL1031436824
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## Closure

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

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

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

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Printed Name:     Dale Woodall     Title:     Env. Professional    

Signature:     Dale Woodall     Date:     10/24/23    

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

**OCD Only**

Received by:     Scott Rodgers     Date:     10/25/2023    

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

Closure Approved by:     Ashley Maxwell     Date:     10/26/2023    

Printed Name:     Ashley Maxwell     Title:     Environmental Specialist



402 E. Wood Avenue  
Carlsbad, New Mexico 88220  
Tel. 432-701-2159  
www.ntgenvironmental.com

October 24, 2023

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

**Re: Closure Report**  
**Rio Blanco 33 Federal #001H**  
**Unit N, S33, T22S, R34E**  
**Site Coordinates: 32.3436928, -103.4783325**  
**Lea County, New Mexico**  
**Incident ID: NGRL1031436824**

## **1. Introduction**

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment and remedial action activities for submittal to the New Mexico Oil Conservation Division (NMCOD) District 2 Office in Artesia, New Mexico to document site assessment, remedial action activities, and sample analysis results for the Rio Blanco 33 Federal #001H (Site). The Site is in Unit Letter N, Section 33, of Township 22 South and Range 34 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.3436928° N latitude and -103.4783325° W longitude. The site location with respect to the nearest town is shown in Figure 1 and the topography of the area is shown in Figure 2.

## **2. Background**

Based on the Release Notification C-141 Form, the release occurred on July 4<sup>th</sup>, 2010, due to internal corrosion which caused a hole to develop in the man way plate resulting in this spill. Approximately 80 barrels (bbls) of crude oil were released of which 77 bbls were recovered for an approximate net loss of 3 bbls of crude oil. Upon discovery, oil was contained in the berm but overflowed in an area approximately 15 feet (ft) x 40 ft area onto the adjacent pad. The release area is shown in Figure 3. The Release Notification, Site Assessment/Characterization, and Closure portions of Form C-141 for incident number NGRL1031436824 are attached to this report.

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Creating a Better  
Environment  
For Oil & Gas  
Operations

Mr. Mike Bratcher  
 October 24, 2023  
 Page 2 of 4

### **3. Groundwater and 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.

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

#### *General Site Characterization and Groundwater:*

Site Characterization	Average Groundwater Depth (ft)
Low Karst	Unknown

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

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	TPH (GRO+MRO)	BTEX	Benzene
19.15.29.13 Restoration, Reclamation and Re-Vegetation (Impacted Area 0-4 Feet)	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
19.15.23.12 Remediation and Closure Criteria for Soils Impacted by a Release (>4 Feet)	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg

Notes:  
 --- = not defined

### **4. Initial Soil Delineation Assessment Summary and Findings**

On May 23, 2023, NTGE conducted site assessment activities to assess the 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 one (1) ft intervals from depths ranging from 0.5 – 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).

The analytical results indicated that chloride concentrations exceeded the NMOCD regulatory limits in the areas of V-1 and V-2 from depths 0 - 0.5 ft bgs. Analytical results are included in

NTGE Project No.: 237338



Mr. Mike Bratcher  
October 24, 2023  
Page 3 of 4

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

## **5. Remediation 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 the depths detailed below and illustrated on Figure 4.

- The area of V-1 and V-2 were excavated to a depth of 1 ft bgs.

The soils were field screened for both TPH and chlorides during excavation activities to aide in determining final excavation depths. After initial excavation, on September 5<sup>th</sup>, 2023, a total of thirteen (13) confirmation samples (CS-1 through CS-13) were collected from the excavation base along with four (4) confirmation sidewall samples (SW-1 through SW-4) to ensure impacted soil was removed. The confirmation samples were collected every 200 square feet and submitted for analysis of TPH, BTEX and chlorides at Envirotech Laboratories in Farmington, New Mexico. Analytical results indicated that samples CS-1 and SW-2 were above NMOCD Table I Closure Criteria for the Site for TPH and/or chloride concentrations. All other samples were below NMOCD regulatory criterion.

After additional excavation, the site was resampled on September 19<sup>th</sup>, 2023, in the previous areas of elevated TPH and chlorides. A total of one (1) bottom hole sample (CS-1 @ 2 ft) along with three (3) wall samples (SW-2A, SW-5 and SW-6) were submitted for analysis of TPH, BTEX, and chlorides to the laboratory. Analytical results were below the NMOCD Table I standards for all analysis performed. Following receipt of the final analytical results confirming the removal of the impacted soils, the excavation was backfilled and returned to near-natural grade. The final excavation extent and confirmation sample locations are shown on Figure 4. Analytical results of the confirmation samples are included in Table 2.

## **6. Closure Request**

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

NTGE Project No.: 237338



Mr. Mike Bratcher  
October 24, 2023  
Page 4 of 4

Attachments:

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

## Ethan Sessums

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**From:** Ethan Sessums  
**Sent:** Thursday, August 31, 2023 2:50 PM  
**To:** Enviro, OCD, EMNRD  
**Cc:** NTG Env Carlsbad  
**Subject:** Sampling Notification

nGRL1031436824	Rio Blanco 33 Federal #001	7/3/2010
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NTGE on behalf of DEVON Energy Production Company will be initiating a confirmation sampling event on Tuesday, September 5<sup>th</sup>, 2023, around 10 am MDT.

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



## Ethan Sessums

---

**From:** Ethan Sessums  
**Sent:** Friday, September 15, 2023 10:45 AM  
**To:** Enviro, OCD, EMNRD  
**Cc:** NTG Env Carlsbad  
**Subject:** Sampling Notification

nGRL1031436824	Rio Blanco 33 Federal #001	7/3/2010
----------------	----------------------------	----------

NTGE on behalf of DEVON Energy Production Company will be initiating a confirmation sampling event on Tuesday, September 19<sup>th</sup>, 2023, around 1 pm MDT. persisting into the next day until end of business.

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



**INITIAL AND FINAL C-141**

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District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, 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  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

RECEIVED

JUL 08 2010

HOBBSOCD

Form C-141  
Revised March 17, 1999

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

Initial Report  Final Report

Name of Company Devon Energy	Contact <input type="checkbox"/> Roger Hernandez
Address P. O. Box 250 Artesia, NM 88211	Telephone No. <input type="checkbox"/> 575-748-5238
Facility Name Rio Blanco 33 Federal #1	Facility Type <input type="checkbox"/> Battery

Surface Owner	Mineral Owner	Lease No. <input type="checkbox"/>
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LOCATION OF RELEASE API # 30-025-36359-00-00

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	33	22S	34E	1000	South	1620	West	Lea County NM

NATURE OF RELEASE

Type of Release Oil	Volume of Release 80 BO	Volume Recovered <input type="checkbox"/> 77 BO
Source of Release Leak in manway plate	Date and Hour of Occurrence 7-4-10 10:30 AM	Date and Hour of Discovery <input type="checkbox"/> 7-4-10 10:30 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jim Amos (BLM) 12:03 PM Jeff (OCD) 3:48 PM Trishia BadBear (BLM) 3:44 PM	
By Whom? <input type="checkbox"/> Tracy Kidd	Date and Hour <input type="checkbox"/> 7-04-10 3:44 & 3:48 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*  
N/A  
WATER @ 230'

Describe Cause of Problem and Remedial Action Taken.\*  
Internal corrosion caused a hole to develop in the manway plate resulting in this spill.

Describe Area Affected and Cleanup Action Taken.\*  
Oil was contained in the berm, but the overflow to our location was approximately 15'x40'. Oil was picked up and transferred to the other oil tank, we will rake, and blend new soil to clean up this spill.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature:	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Roger Hernandez	Approved by <input type="checkbox"/> District Supervisor:	ENV. ENGINEER:
Title: Production Foreman	Approval Date: 07/08/10	Expiration Date: 09/08/10
Date: July 7, 2010 Phone: (575) 748-5238	Conditions of Approval: DELIVER TO CLEAN	Attached <input type="checkbox"/>

\* Attach Additional Sheets If Necessary

+1. MULTIPLE SAMPLING OF BLENDED SOIL REQUIRED TO ACQUIRE GOOD COMPOSITE. SUBMIT FINAL C-141 BY 09/08/10 IRP-11-10-2645

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## Site Assessment/Characterization

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Printed Name:    Dale Woodall    Title:    Env. Professional   

Signature:    Dale Woodall    Date:    10/24/23   

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

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

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

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Printed Name:       Dale Woodall       Title:   Env. Professional  

Signature:   Dale Woodall   Date:   10/24/23  

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

**OCD Only**

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

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Closure Approved by:   Ashley Maxwell   Date:   10/26/2023  

Printed Name:   Ashley Maxwell   Title:   Environmental Specialist

**SITE CHARACTERIZATION DOCUMENTATION**

---

**NMOCD Closure Criteria**

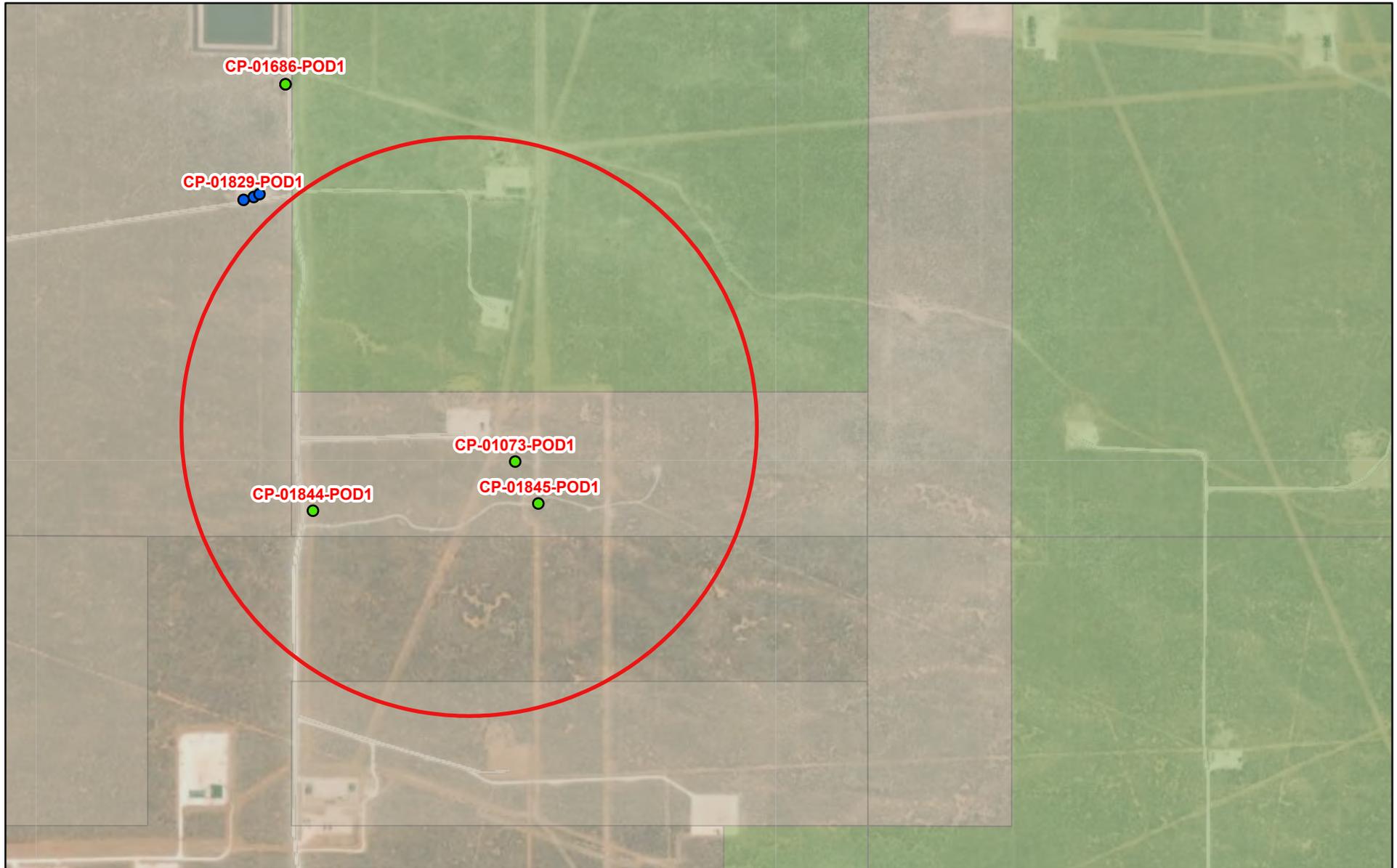
Rio Blanco 33 Federal #001H

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

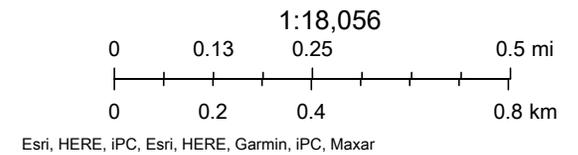
# OSE POD Location Map



10/25/2023, 8:32:15 AM

- Override 1
- Pending
- Active
- Inactive
- OSE District Boundary

- Water Right Regulations**
- Closure Area
- New Mexico State Trust Lands**
- Subsurface Estate
- Surface Estate



# National Flood Hazard Layer FIRMMette



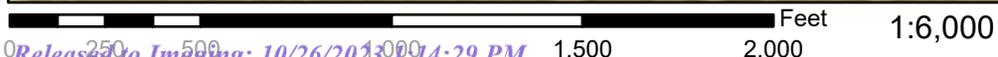
103°29'1"W 32°20'52"N



## Legend

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

- |                             |  |  |
|-----------------------------|--|--|
| SPECIAL FLOOD HAZARD AREAS  |  | Without Base Flood Elevation (BFE)<br><i>Zone A, V, A99</i>  |
|                             |  | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>   |
|                             |  | 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 <i>Zone X</i> |
|                             |  | Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>  |
|                             |  | Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>  |
|                             |  | Area with Flood Risk due to Levee <i>Zone D</i>  |
| OTHER AREAS                 |  | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>   |
|                             |  | Effective LOMRs  |
| GENERAL STRUCTURES          |  | Area of Undetermined Flood Hazard <i>Zone D</i>  |
|                             |  | Channel, Culvert, or Storm Sewer   |
|                             |  | Levee, Dike, or Floodwall  |
| OTHER FEATURES              |  | 20.2 Cross Sections with 1% Annual Chance  |
|                             |  | 17.5 Water Surface Elevation   |
|                             |  | Coastal Transect   |
|                             |  | Base Flood Elevation Line (BFE)  |
|                             |  | Limit of Study   |
| MAP PANELS                  |  | Jurisdiction Boundary  |
|                             |  | Coastal Transect Baseline  |
|                             |  | Profile Baseline   |
|                             |  | Hydrographic Feature   |
|                             |  | 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.



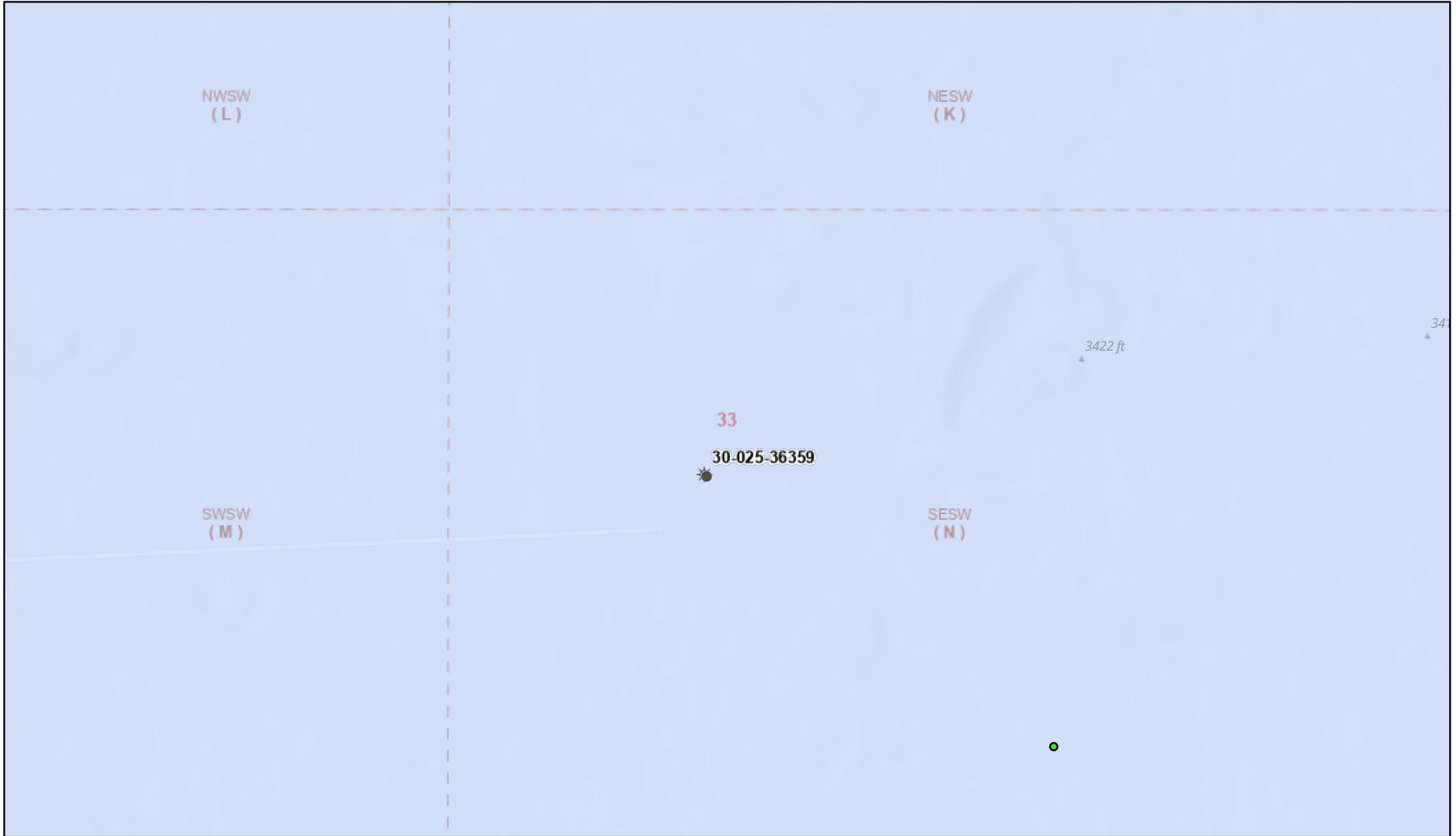
103°28'23"W 32°20'22"N

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 4:06 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.

# OCD Well Locations



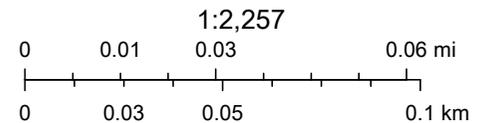
5/10/2023, 2:59:52 PM

OSE Water PODs Karst Occurrence Potential

● Pending Low

Wells - Large Scale PLSS Second Division

★ Gas Active PLSS First Division



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,

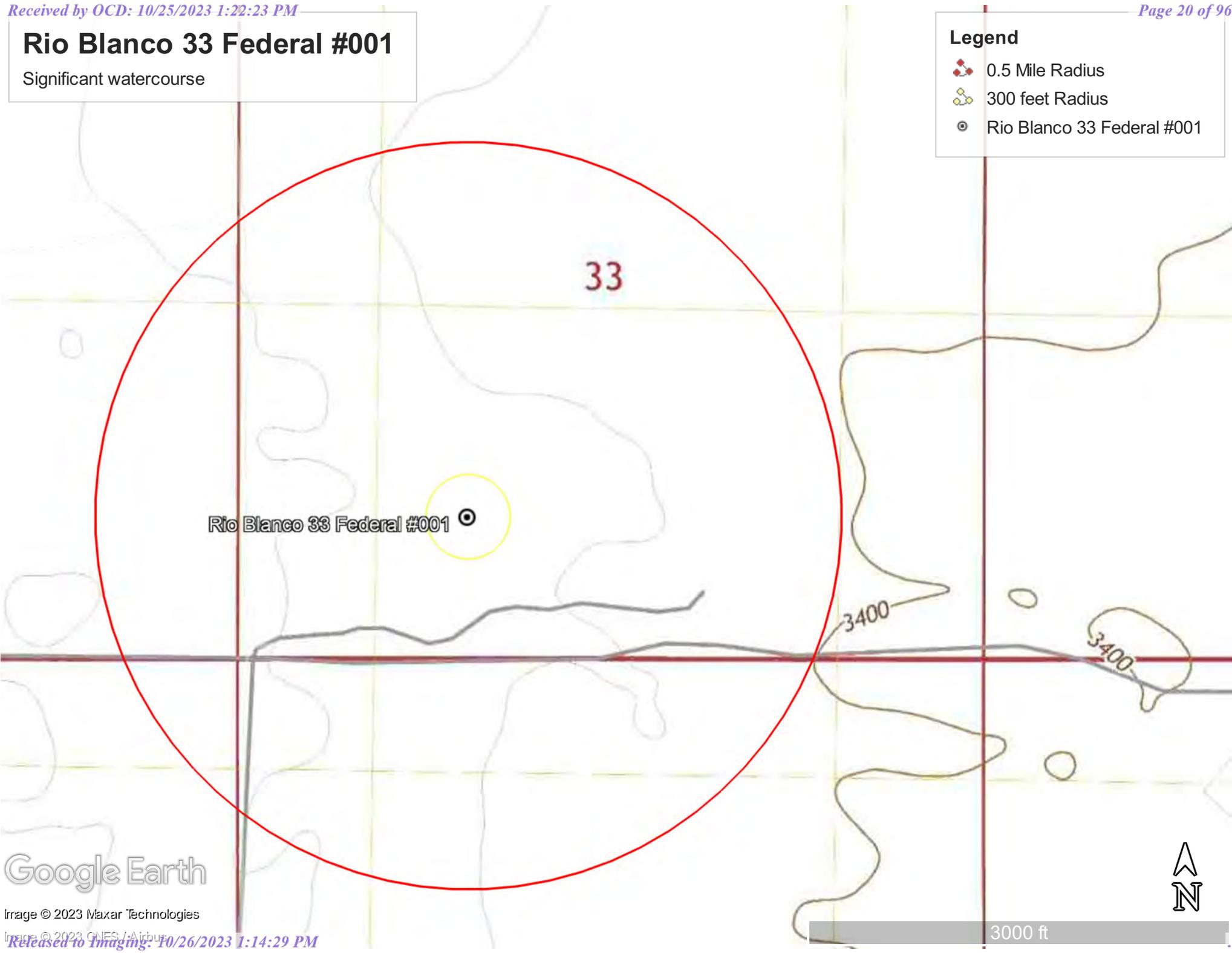
New Mexico Oil Conservation Division

# Rio Blanco 33 Federal #001

Significant watercourse

## Legend

-  0.5 Mile Radius
-  300 feet Radius
-  Rio Blanco 33 Federal #001



Google Earth

Image © 2023 Maxar Technologies

Released to Imaging: 10/26/2023 1:14:29 PM



3000 ft



### National Water Information System: Mapper





# Rio Blanco 33 Fed #001



May 10, 2023

### Wetlands

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

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

## **TABLES**

---

**Table 1**  
**Summary of Soil Analytical Data - Delineation Samples**  
**Rio Blanco 33 Federal #1**  
**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 GRO/DRO/MRO (C6-C35) (mg/kg)	
								Table I Closure Criteria for Soil <50 feet Depth to Groundwater 19.15.29 NMAC					
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
Initial Assessment Samples													
V-1	5/23/2023	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>656</b>
		1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32</b>
		2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32</b>
		3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>16</b>
V-2	5/23/2023	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>800</b>
		1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32</b>
		2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>16</b>
		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	5/23/2023	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>16</b>
		1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0	<b>32</b>
		2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32</b>
		3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-1	5/23/2023	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-2	5/23/2023	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-3	5/23/2023	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-4	5/23/2023	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

Notes:

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

- 5. TPH analyses by EPA Method SW 8015 Mod.
- 6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
- 7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
- 8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

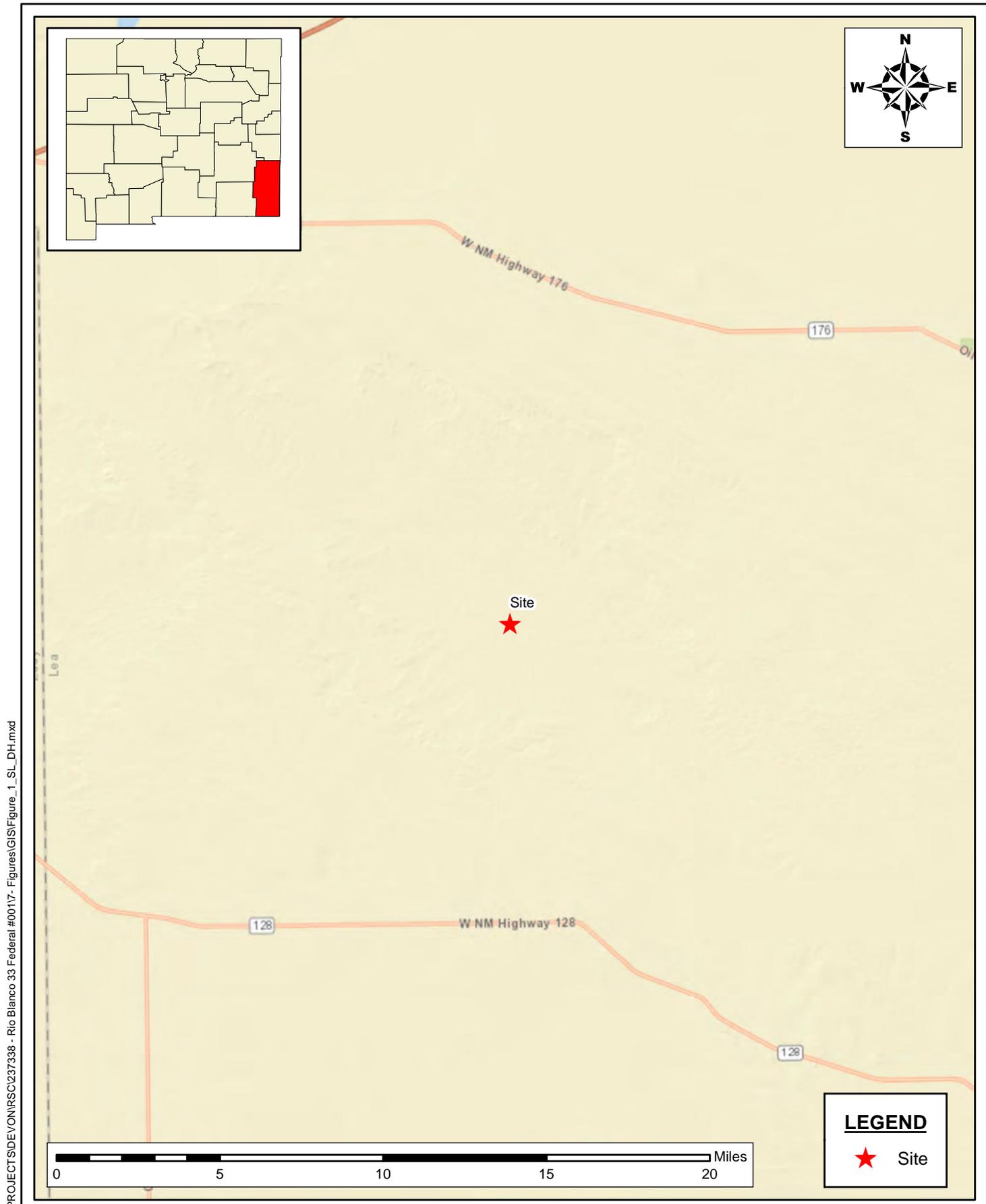
**Table 2**  
**Summary of Soil Analytical Data - Confirmation Samples**  
**Rio Blanco 33 Federal #1**  
**Devon Energy Production Company**  
**Lea County, New Mexico**

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 GRO/DRO/MRO (C6-C35) (mg/kg)	
								Table I Closure Criteria for Soil 100+ feet Depth to Groundwater 19.15.29 NMAC					
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
<b>Base Confirmation Samples</b>													
CS-1	9/5/2023	1'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<b>61.0</b>	<b>61.0</b>	<b>148</b>	<b>209</b>	<b>68.2</b>
	9/19/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>48.0</b>
CS-2	9/5/2023	1'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>80.5</b>
CS-3	9/5/2023	1'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>71.4</b>
CS-4	9/5/2023	1'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>74.2</b>
CS-5	9/5/2023	1'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>82.1</b>
CS-6	9/5/2023	1'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>82.2</b>
CS-7	9/5/2023	1'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>64.3</b>
CS-8	9/5/2023	1'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>74.1</b>
CS-9	9/5/2023	1'	<0.0251	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>70.4</b>
CS-10	9/5/2023	1'	<0.0252	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>62.6</b>
CS-11	9/5/2023	1'	<0.0253	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>73.4</b>
CS-12	9/5/2023	1'	<0.0254	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>77.4</b>
CS-13	9/5/2023	1'	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>64.2</b>
<b>Sidewall Confirmation Samples</b>													
SW-1	9/5/2023	0-1'	<0.0256	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>191</b>
SW-2	9/5/2023	0-1'	<0.0257	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<b>10,500</b>	<b>10,500</b>	<b>1,300</b>	<b>11,800</b>	<b>658</b>
SW-2A	9/19/2023	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>48</b>
SW-3	9/5/2023	0-1'	<0.0258	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>328</b>
SW-4	9/5/2023	0-1'	<0.0259	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>26.4</b>
SW-5	9/19/2023	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>224</b>
SW-6	9/19/2023	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>64</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).
- SP-± Sample Point Excavated

## **FIGURES**

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Document Path: P:\2023 PROJECTS\DEVONRSC\237338 - Rio Blanco 33 Federal #001\7- Figures\GIS\Figure\_1\_SL\_DH.mxd

**SITE LOCATION MAP**  
**CLOSURE REPORT**  
**DEVON ENERGY PRODUCTION COMPANY**  
**RIO BLANCO 33 FEDERAL #001**  
**LEA COUNTY, NEW MEXICO**  
**32.3436928° -103.4783325°**

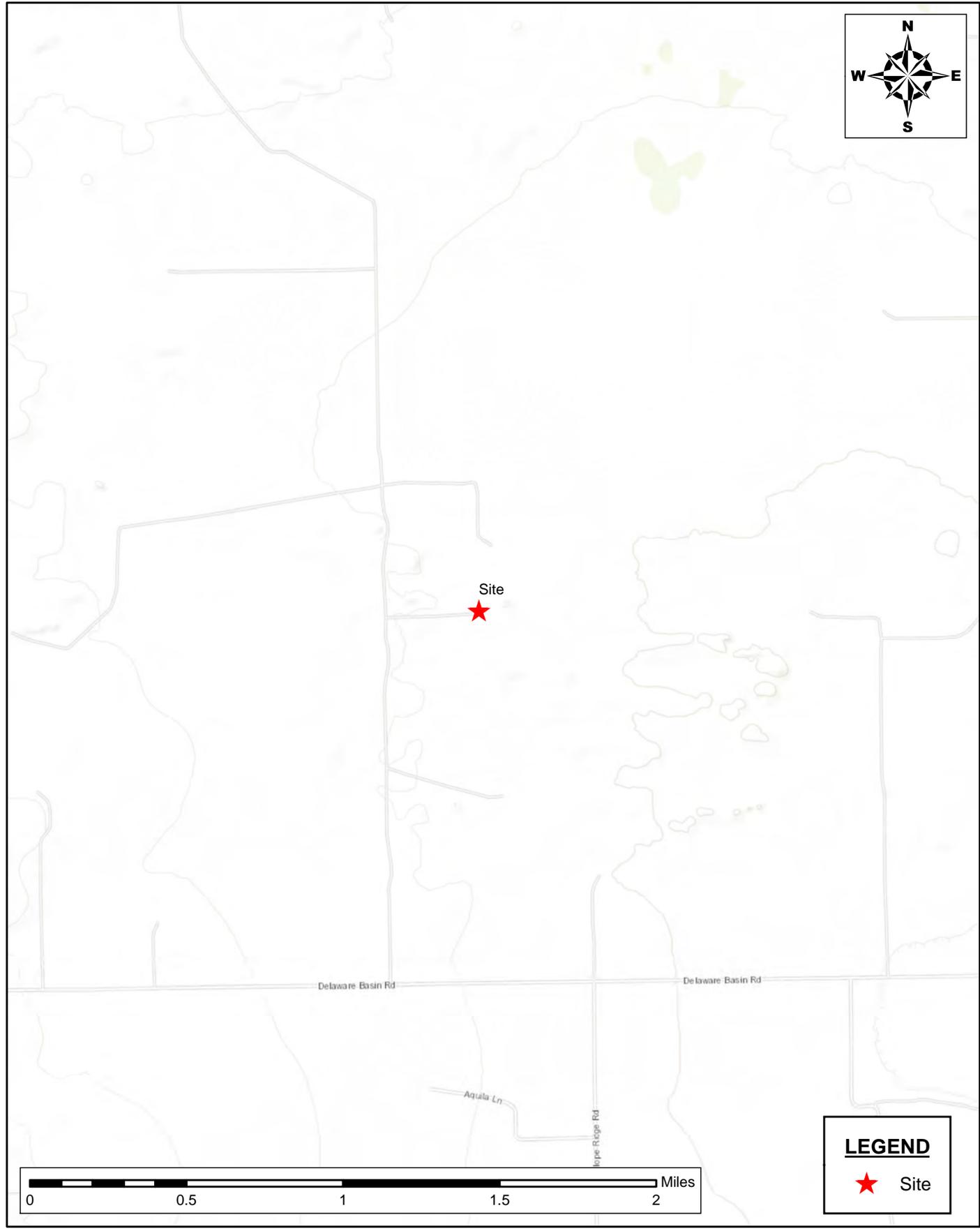
SCALE: As Shown    Date: 5/12/2023    PROJECT #:237338

  
**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

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

Document Path: P:\2023 PROJECTS\DEVONRSC\237338 - Rio Blanco 33 Federal #001\7- Figures\GIS\Figure\_2\_SA.mxd



**TOPOGRAPHIC MAP**  
**CLOSURE REPORT**  
**DEVON ENERGY PRODUCTION COMPANY**  
**RIO BLANCO 33 FEDERAL #001**  
**LEA COUNTY, NEW MEXICO**  
**32.3436928° -103.4783325°**

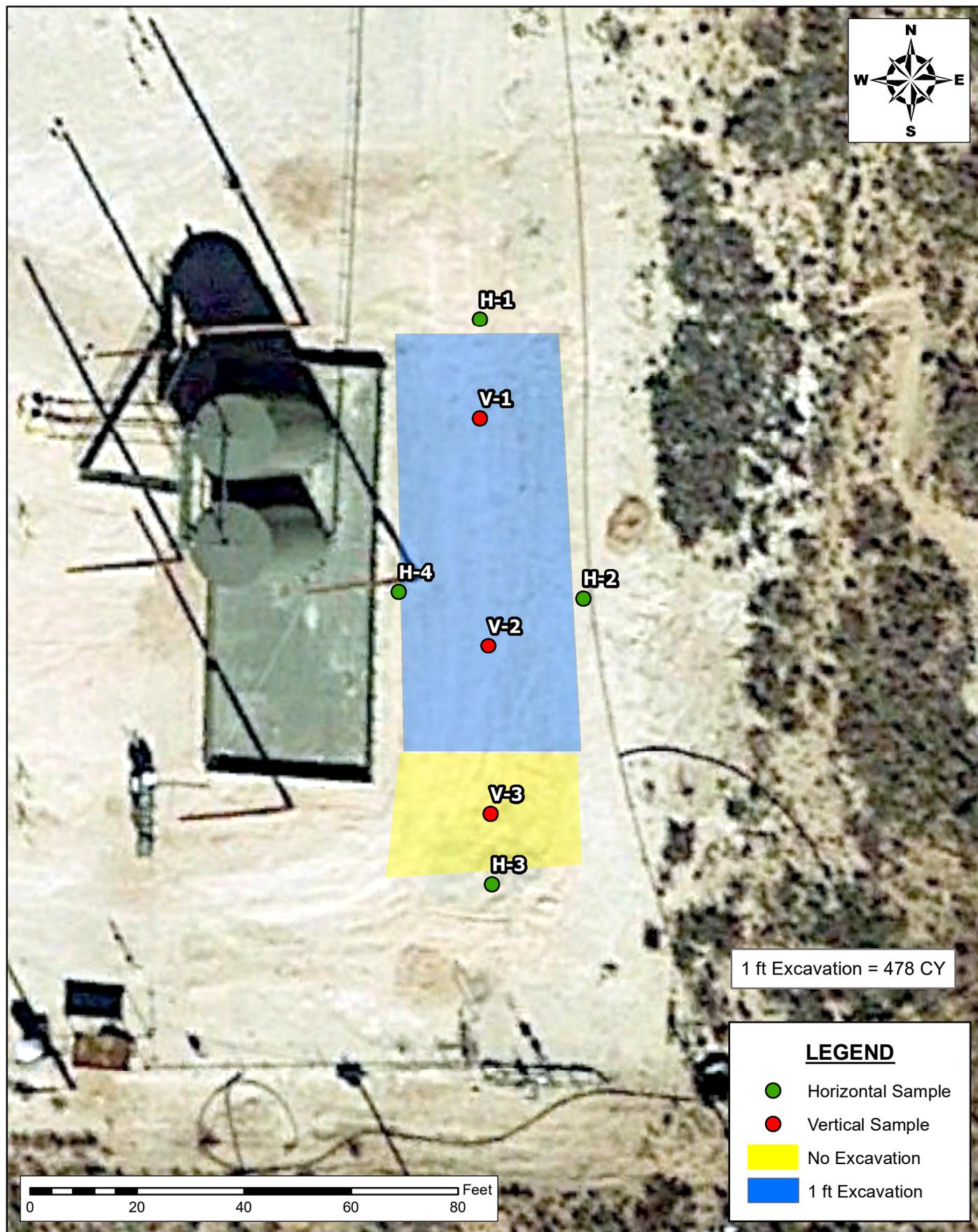
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**NOTES:**  
 1. Base Image: ESRI Maps & Data 2013  
 2. Map Projection: NAD 1983

DRAWING NUMBER:  
**FIGURE 2**  
 SHEET NUMBER:  
**1 of 1**

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1 ft Excavation = 478 CY

**LEGEND**

- Horizontal Sample
- Vertical Sample
- No Excavation
- 1 ft Excavation

**PROPOSED EXCAVATION MAP  
CLOSURE REPORT  
DEVON ENERGY PRODUCTION LLC  
RIO BLANCO 33 FEDERAL #001 LEA  
COUNTY, NEW MEXICO**

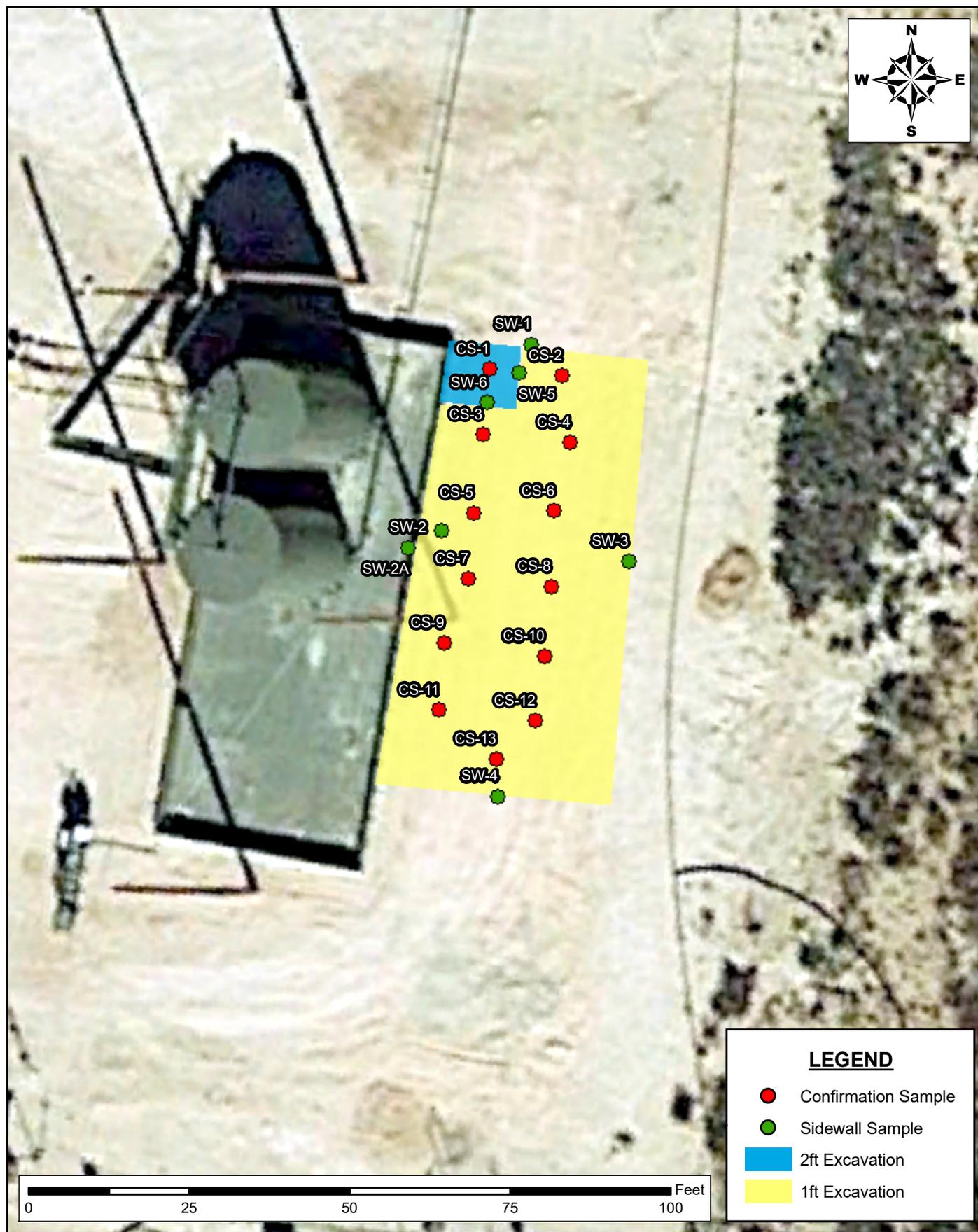
  
**New Tech Global Environmental, LLC**  
 911 Regional Park Drive  
 Houston, Texas 77060  
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**NOTES:**  
 1. Base Image: ESRI Maps & Data 2013  
 2. Map Projection: NAD 1983

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

SCALE: As Shown    Date: 10/25/2023    PROJECT #: 237338

Document Path: C:\Users\ntg\gis\New Tech Global\NTGE - Documents\2023 PROJECTSIDEVONRSC\237338 - Rio Blanco 33 Federal #00117- Figures\KMZ\Figure\_4\_Closure Map.mxd



**LEGEND**

- Confirmation Sample
- Sidewall Sample
- 2ft Excavation
- 1ft Excavation

**SITE CONFIRMATION SAMPLE MAP**  
 CLOSURE REPORT  
 DEVON ENERGY PRODUCTION COMPANY  
 RIO BLANCO 33 FEDERAL #1  
 LEA COUNTY, NEW MEXICO  
 32.3436928° -103.4783325°

SCALE: AS SHOWN    DATE: 10/25/2023    PROJECT #: 237338

  
**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 2017  
 2. Map Projection: NAD 1983

DRAWING NUMBER:  
**FIGURE 4**  
 SHEET NUMBER:  
**1 of 1**

**PHOTOGRAPHIC LOG**

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# PHOTOGRAPHIC LOG

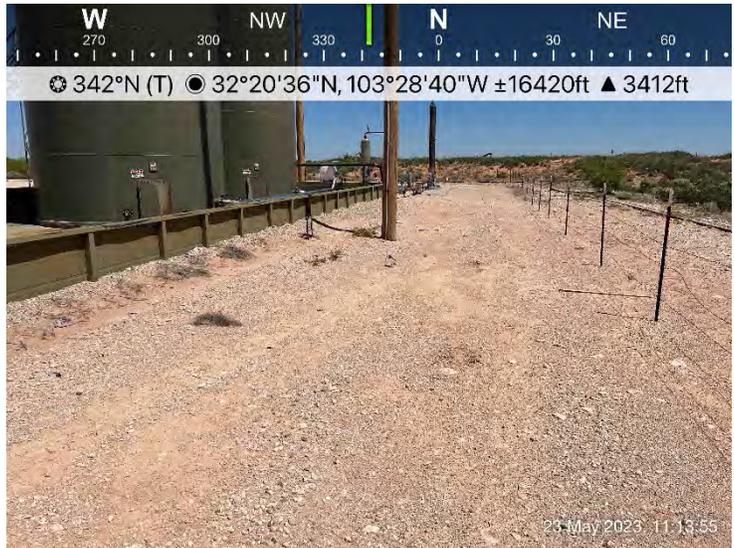
## Devon Energy Production Company

### Photograph No. 1

**Facility:** Rio Blanco 33 Federal #001

**County:** Lea County, New Mexico

**Description:**  
View of Impacted area.



### Photograph No. 2

**Facility:** Rio Blanco 33 Federal #001

**County:** Lea County, New Mexico

**Description:**  
View of Impacted area

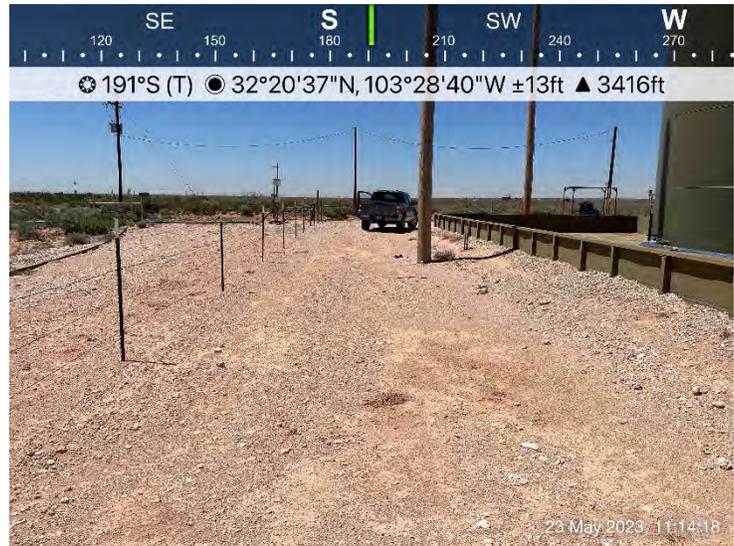


### Photograph No. 3

**Facility:** Rio Blanco 33 Federal #001

**County:** Lea County, New Mexico

**Description:**  
View of impacted area.



# PHOTOGRAPHIC LOG

## Devon Energy Production Company

### Photograph No. 4

**Facility:** Rio Blanco 33 Federal #001

**County:** Lea County, New Mexico

**Description:**  
View of excavation.



### Photograph No. 5

**Facility:** Rio Blanco 33 Federal #001

**County:** Lea County, New Mexico

**Description:**  
View of excavation.



### Photograph No. 6

**Facility:** Rio Blanco 33 Federal #001

**County:** Lea County, New Mexico

**Description:**  
View of excavation.



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



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

---

May 26, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: RIO BLANCO 33 FED #001

Enclosed are the results of analyses for samples received by the laboratory on 05/23/23 12:25.

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



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

**Analytical Results For:**

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

Received:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/26/2023	Sampling Type:	Soil
Project Name:	RIO BLANCO 33 FED #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO, NM		

**Sample ID: V-1 (0-6") (H232620-01)**

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	05/23/2023	ND	2.15	108	2.00	3.65	
Toluene*	<0.050	0.050	05/23/2023	ND	2.20	110	2.00	3.03	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.12	106	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.56	109	6.00	1.81	
Total BTEX	<0.300	0.300	05/23/2023	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
Chloride	656	16.0	05/24/2023	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	05/23/2023	ND	165	82.5	200	1.70	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	185	92.6	200	7.00	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/26/2023	Sampling Type:	Soil
Project Name:	RIO BLANCO 33 FED #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO, NM		

**Sample ID: V-1 (1-1.5') (H232620-02)**

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	05/23/2023	ND	2.15	108	2.00	3.65	
Toluene*	<0.050	0.050	05/23/2023	ND	2.20	110	2.00	3.03	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.12	106	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.56	109	6.00	1.81	
Total BTEX	<0.300	0.300	05/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	32.0	16.0	05/24/2023	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	05/23/2023	ND	165	82.5	200	1.70	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	185	92.6	200	7.00	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 93.3 % 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:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/26/2023	Sampling Type:	Soil
Project Name:	RIO BLANCO 33 FED #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO, NM		

**Sample ID: V-1 (2-2.5') (H232620-03)**

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	05/23/2023	ND	2.15	108	2.00	3.65	
Toluene*	<0.050	0.050	05/23/2023	ND	2.20	110	2.00	3.03	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.12	106	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.56	109	6.00	1.81	
Total BTEX	<0.300	0.300	05/23/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/24/2023	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	05/23/2023	ND	165	82.5	200	1.70	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	185	92.6	200	7.00	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 88.9 % 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:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/26/2023	Sampling Type:	Soil
Project Name:	RIO BLANCO 33 FED #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO, NM		

**Sample ID: V-1 (3-3.5') (H232620-04)**

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	05/23/2023	ND	2.15	108	2.00	3.65	
Toluene*	<0.050	0.050	05/23/2023	ND	2.20	110	2.00	3.03	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.12	106	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.56	109	6.00	1.81	
Total BTEX	<0.300	0.300	05/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	05/24/2023	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	05/23/2023	ND	165	82.5	200	1.70	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	185	92.6	200	7.00	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/26/2023	Sampling Type:	Soil
Project Name:	RIO BLANCO 33 FED #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO, NM		

**Sample ID: V-2 (0-6") (H232620-05)**

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	05/23/2023	ND	2.15	108	2.00	3.65	
Toluene*	<0.050	0.050	05/23/2023	ND	2.20	110	2.00	3.03	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.12	106	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.56	109	6.00	1.81	
Total BTEX	<0.300	0.300	05/23/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	05/24/2023	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	05/23/2023	ND	165	82.5	200	1.70	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	185	92.6	200	7.00	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 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:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/26/2023	Sampling Type:	Soil
Project Name:	RIO BLANCO 33 FED #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO, NM		

**Sample ID: V-2 (1-1.5') (H232620-06)**

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	05/23/2023	ND	2.15	108	2.00	3.65	
Toluene*	<0.050	0.050	05/23/2023	ND	2.20	110	2.00	3.03	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.12	106	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.56	109	6.00	1.81	
Total BTEX	<0.300	0.300	05/23/2023	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
Chloride	32.0	16.0	05/24/2023	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	05/23/2023	ND	165	82.5	200	1.70	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	185	92.6	200	7.00	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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**Analytical Results For:**

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

Received:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/26/2023	Sampling Type:	Soil
Project Name:	RIO BLANCO 33 FED #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO, NM		

**Sample ID: V-2 (2-2.5') (H232620-07)**

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	05/23/2023	ND	2.15	108	2.00	3.65	
Toluene*	<0.050	0.050	05/23/2023	ND	2.20	110	2.00	3.03	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.12	106	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.56	109	6.00	1.81	
Total BTEX	<0.300	0.300	05/23/2023	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	16.0	16.0	05/24/2023	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	05/23/2023	ND	165	82.5	200	1.70	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	185	92.6	200	7.00	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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**Analytical Results For:**

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

Received:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/26/2023	Sampling Type:	Soil
Project Name:	RIO BLANCO 33 FED #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO, NM		

**Sample ID: V-2 (3-3.5') (H232620-08)**

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	05/23/2023	ND	2.15	108	2.00	3.65	
Toluene*	<0.050	0.050	05/23/2023	ND	2.20	110	2.00	3.03	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.12	106	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.56	109	6.00	1.81	
Total BTEX	<0.300	0.300	05/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	32.0	16.0	05/24/2023	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	05/23/2023	ND	165	82.5	200	1.70	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	185	92.6	200	7.00	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/26/2023	Sampling Type:	Soil
Project Name:	RIO BLANCO 33 FED #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO, NM		

**Sample ID: V-3 (0-6") (H232620-09)**

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	05/23/2023	ND	2.15	108	2.00	3.65	
Toluene*	<0.050	0.050	05/23/2023	ND	2.20	110	2.00	3.03	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.12	106	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.56	109	6.00	1.81	
Total BTEX	<0.300	0.300	05/23/2023	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	16.0	16.0	05/24/2023	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	05/23/2023	ND	165	82.5	200	1.70	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	185	92.6	200	7.00	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 75.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/26/2023	Sampling Type:	Soil
Project Name:	RIO BLANCO 33 FED #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO, NM		

**Sample ID: V-3 (1-1.5') (H232620-10)**

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	05/23/2023	ND	2.15	108	2.00	3.65	
Toluene*	<0.050	0.050	05/23/2023	ND	2.20	110	2.00	3.03	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.12	106	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.56	109	6.00	1.81	
Total BTEX	<0.300	0.300	05/23/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/24/2023	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	05/23/2023	ND	165	82.5	200	1.70	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	185	92.6	200	7.00	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/26/2023	Sampling Type:	Soil
Project Name:	RIO BLANCO 33 FED #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO, NM		

**Sample ID: V-3 (2-2.5') (H232620-11)**

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	05/23/2023	ND	2.15	108	2.00	3.65		
Toluene*	<0.050	0.050	05/23/2023	ND	2.20	110	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.12	106	2.00	1.84		
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.56	109	6.00	1.81		
Total BTEX	<0.300	0.300	05/23/2023	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	32.0	16.0	05/24/2023	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	05/23/2023	ND	165	82.5	200	1.70		
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	185	92.6	200	7.00		
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND						

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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**Analytical Results For:**

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

Received:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/26/2023	Sampling Type:	Soil
Project Name:	RIO BLANCO 33 FED #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO, NM		

**Sample ID: V-3 (3-3.5') (H232620-12)**

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	05/23/2023	ND	2.15	108	2.00	3.65	
Toluene*	<0.050	0.050	05/23/2023	ND	2.20	110	2.00	3.03	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.12	106	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.56	109	6.00	1.81	
Total BTEX	<0.300	0.300	05/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	05/24/2023	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	05/24/2023	ND	165	82.5	200	1.70	
DRO >C10-C28*	<10.0	10.0	05/24/2023	ND	185	92.6	200	7.00	
EXT DRO >C28-C36	<10.0	10.0	05/24/2023	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/26/2023	Sampling Type:	Soil
Project Name:	RIO BLANCO 33 FED #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO, NM		

**Sample ID: H-1 (0-6") (H232620-13)**

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	05/23/2023	ND	2.15	108	2.00	3.65	
Toluene*	<0.050	0.050	05/23/2023	ND	2.20	110	2.00	3.03	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.12	106	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.56	109	6.00	1.81	
Total BTEX	<0.300	0.300	05/23/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/24/2023	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	05/24/2023	ND	165	82.5	200	1.70	
DRO >C10-C28*	<10.0	10.0	05/24/2023	ND	185	92.6	200	7.00	
EXT DRO >C28-C36	<10.0	10.0	05/24/2023	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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**Analytical Results For:**

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

Received:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/26/2023	Sampling Type:	Soil
Project Name:	RIO BLANCO 33 FED #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO, NM		

**Sample ID: H-2 (0-6") (H232620-14)**

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	05/24/2023	ND	2.19	109	2.00	2.95	
Toluene*	<0.050	0.050	05/24/2023	ND	2.17	109	2.00	3.49	
Ethylbenzene*	<0.050	0.050	05/24/2023	ND	2.24	112	2.00	2.69	
Total Xylenes*	<0.150	0.150	05/24/2023	ND	6.59	110	6.00	3.44	
Total BTEX	<0.300	0.300	05/24/2023	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	05/24/2023	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	05/24/2023	ND	165	82.5	200	1.70	
DRO >C10-C28*	<10.0	10.0	05/24/2023	ND	185	92.6	200	7.00	
EXT DRO >C28-C36	<10.0	10.0	05/24/2023	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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**Analytical Results For:**

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

Received:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/26/2023	Sampling Type:	Soil
Project Name:	RIO BLANCO 33 FED #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO, NM		

**Sample ID: H-3 (0-6") (H232620-15)**

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	05/24/2023	ND	2.19	109	2.00	2.95	
Toluene*	<0.050	0.050	05/24/2023	ND	2.17	109	2.00	3.49	
Ethylbenzene*	<0.050	0.050	05/24/2023	ND	2.24	112	2.00	2.69	
Total Xylenes*	<0.150	0.150	05/24/2023	ND	6.59	110	6.00	3.44	
Total BTEX	<0.300	0.300	05/24/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/24/2023	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	05/23/2023	ND	180	89.8	200	2.33	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	179	89.4	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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**Analytical Results For:**

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

Received:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/26/2023	Sampling Type:	Soil
Project Name:	RIO BLANCO 33 FED #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO, NM		

**Sample ID: H-4 (0-6") (H232620-16)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2023	ND	2.19	109	2.00	2.95	
Toluene*	<0.050	0.050	05/24/2023	ND	2.17	109	2.00	3.49	
Ethylbenzene*	<0.050	0.050	05/24/2023	ND	2.24	112	2.00	2.69	
Total Xylenes*	<0.150	0.150	05/24/2023	ND	6.59	110	6.00	3.44	
Total BTEX	<0.300	0.300	05/24/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/24/2023	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	05/23/2023	ND	180	89.8	200	2.33	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	179	89.4	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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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Chain of Custody

Page 1 of 2

Page 19 of 20

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

Work Order No: <u>123321020</u>	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	State of Project:
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Rio Blanco 33 Fed #001	Turn Around	Pre. Code	ANALYSIS REQUEST	Preservative Codes			
Project Number:	Lea Co. NM	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			None: NO DI Water: H <sub>2</sub> O			
Project Location:	Ethan Sessums	Due Date:			Cool: Cool MeOH: Me HCL: HC HNO <sub>3</sub> : HN H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na			
PO #:	21163413	TAT starts the day received by the lab, if received by 4:30pm			H <sub>2</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SASC			
<b>SAMPLE RECEIPT</b>	Temp Blank: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID:	Well Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Received Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Correction Factor:						
Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temperature Reading:						
Sample Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Corrected Temperature:						
Total Containers:	16							
Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters	Sample Comments
V-1 (0-6")	5/23/2023	9:50	X		Grab/	X	BTEX 8021B	1
V-1 (1-1.5')	5/23/2023	9:55	X		Grab/	X	TPH 8015M ( GRO + DRO + MRO)	2
V-1 (2-2.5')	5/23/2023	10:00	X		Grab/	X	Chloride 4500	3
V-1 (3-3.5')	5/23/2023	10:05	X		Grab/	X		4
V-2 (0-6")	5/23/2023	10:10	X		Grab/	X		5
V-2 (1-1.5')	5/23/2023	10:15	X		Grab/	X		6
V-2 (2-2.5')	5/23/2023	10:20	X		Grab/	X		7
V-2 (3-3.5')	5/23/2023	10:25	X		Grab/	X		8
V-3 (0-6")	5/23/2023	10:30	X		Grab/	X		9
V-3 (1-1.5')	5/23/2023	10:35	X		Grab/	X		10

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	5-23-23 12:25			



Report to:  
Ethan Sessums



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### NTG-New Tech Global Environmental

Project Name: Rio Blanco 33 Federal #001

Work Order: E309049

Job Number: 01058-0007

Received: 9/8/2023

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/11/23

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 9/11/23



Ethan Sessums  
911 Regional Park Dr.  
Houston, TX 77060

Project Name: Rio Blanco 33 Federal #001  
Workorder: E309049  
Date Received: 9/8/2023 6:00:00AM

Ethan Sessums,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/8/2023 6:00:00AM, under the Project Name: Rio Blanco 33 Federal #001.

The analytical test results summarized in this report with the Project Name: Rio Blanco 33 Federal #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
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# Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CS-1	6
CS-2	7
CS-3	8
CS-4	9
CS-5	10
CS-6	11
CS-7	12
CS-8	13
CS-9	14
CS-10	15
CS-11	16
CS-12	17
CS-13	18
SW-1	19
SW-2	20
SW-3	21
SW-4	22
QC Summary Data	23
QC - Volatile Organics by EPA 8021B	23
QC - Nonhalogenated Organics by EPA 8015D - GRO	25

## Table of Contents (continued)

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	27
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	31
Chain of Custody etc.	32

## Sample Summary

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

Project Name: Rio Blanco 33 Federal #001  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
09/11/23 17:21

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-1	E309049-01A	Soil	09/05/23	09/08/23	Glass Jar, 4 oz.
CS-2	E309049-02A	Soil	09/05/23	09/08/23	Glass Jar, 4 oz.
CS-3	E309049-03A	Soil	09/05/23	09/08/23	Glass Jar, 4 oz.
CS-4	E309049-04A	Soil	09/05/23	09/08/23	Glass Jar, 4 oz.
CS-5	E309049-05A	Soil	09/05/23	09/08/23	Glass Jar, 4 oz.
CS-6	E309049-06A	Soil	09/05/23	09/08/23	Glass Jar, 4 oz.
CS-7	E309049-07A	Soil	09/05/23	09/08/23	Glass Jar, 4 oz.
CS-8	E309049-08A	Soil	09/05/23	09/08/23	Glass Jar, 4 oz.
CS-9	E309049-09A	Soil	09/05/23	09/08/23	Glass Jar, 4 oz.
CS-10	E309049-10A	Soil	09/05/23	09/08/23	Glass Jar, 4 oz.
CS-11	E309049-11A	Soil	09/05/23	09/08/23	Glass Jar, 4 oz.
CS-12	E309049-12A	Soil	09/05/23	09/08/23	Glass Jar, 4 oz.
CS-13	E309049-13A	Soil	09/05/23	09/08/23	Glass Jar, 4 oz.
SW-1	E309049-14A	Soil	09/05/23	09/08/23	Glass Jar, 4 oz.
SW-2	E309049-15A	Soil	09/05/23	09/08/23	Glass Jar, 4 oz.
SW-3	E309049-16A	Soil	09/05/23	09/08/23	Glass Jar, 4 oz.
SW-4	E309049-17A	Soil	09/05/23	09/08/23	Glass Jar, 4 oz.



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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**CS-1**  
**E309049-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336094
Benzene	ND	0.0250	1	09/09/23	09/10/23	
Ethylbenzene	ND	0.0250	1	09/09/23	09/10/23	
Toluene	ND	0.0250	1	09/09/23	09/10/23	
o-Xylene	ND	0.0250	1	09/09/23	09/10/23	
p,m-Xylene	ND	0.0500	1	09/09/23	09/10/23	
Total Xylenes	ND	0.0250	1	09/09/23	09/10/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.2 %	70-130	09/09/23	09/10/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336094
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/23	09/10/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.4 %	70-130	09/09/23	09/10/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2337019
Diesel Range Organics (C10-C28)	<b>61.0</b>	25.0	1	09/11/23	09/11/23	
Oil Range Organics (C28-C36)	<b>148</b>	50.0	1	09/11/23	09/11/23	
<i>Surrogate: n-Nonane</i>		123 %	50-200	09/11/23	09/11/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2337009
Chloride	<b>68.2</b>	20.0	1	09/11/23	09/11/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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**CS-2**

**E309049-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Benzene	ND	0.0250	1	09/08/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/08/23	09/08/23	
Toluene	ND	0.0250	1	09/08/23	09/08/23	
o-Xylene	ND	0.0250	1	09/08/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/08/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/08/23	09/08/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.8 %	70-130	09/08/23	09/08/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/23	09/08/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.3 %	70-130	09/08/23	09/08/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2336082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/08/23	
<i>Surrogate: n-Nonane</i>		111 %	50-200	09/08/23	09/08/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2336074
Chloride	80.5	20.0	1	09/08/23	09/08/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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**CS-3**

**E309049-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Benzene	ND	0.0250	1	09/08/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/08/23	09/08/23	
Toluene	ND	0.0250	1	09/08/23	09/08/23	
o-Xylene	ND	0.0250	1	09/08/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/08/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/08/23	09/08/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.5 %	70-130	09/08/23	09/08/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/23	09/08/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.9 %	70-130	09/08/23	09/08/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2336082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/08/23	
<i>Surrogate: n-Nonane</i>		107 %	50-200	09/08/23	09/08/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2336074
Chloride	71.4	20.0	1	09/08/23	09/08/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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**CS-4**

**E309049-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Benzene	ND	0.0250	1	09/08/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/08/23	09/08/23	
Toluene	ND	0.0250	1	09/08/23	09/08/23	
o-Xylene	ND	0.0250	1	09/08/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/08/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/08/23	09/08/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.0 %	70-130	09/08/23	09/08/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/23	09/08/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.4 %	70-130	09/08/23	09/08/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2336082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/08/23	
<i>Surrogate: n-Nonane</i>		106 %	50-200	09/08/23	09/08/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2336074
Chloride	74.2	20.0	1	09/08/23	09/08/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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**CS-5**

**E309049-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Benzene	ND	0.0250	1	09/08/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/08/23	09/08/23	
Toluene	ND	0.0250	1	09/08/23	09/08/23	
o-Xylene	ND	0.0250	1	09/08/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/08/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/08/23	09/08/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.6 %	70-130	09/08/23	09/08/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/23	09/08/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.9 %	70-130	09/08/23	09/08/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2336082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/08/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	09/08/23	09/08/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2336074
Chloride	82.1	20.0	1	09/08/23	09/08/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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**CS-6**

**E309049-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Benzene	ND	0.0250	1	09/08/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/08/23	09/08/23	
Toluene	ND	0.0250	1	09/08/23	09/08/23	
o-Xylene	ND	0.0250	1	09/08/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/08/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/08/23	09/08/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.7 %	70-130	09/08/23	09/08/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/23	09/08/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.0 %	70-130	09/08/23	09/08/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2336082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/08/23	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	09/08/23	09/08/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336074
Chloride	82.2	20.0	1	09/08/23	09/08/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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**CS-7**

**E309049-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Benzene	ND	0.0250	1	09/08/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/08/23	09/08/23	
Toluene	ND	0.0250	1	09/08/23	09/08/23	
o-Xylene	ND	0.0250	1	09/08/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/08/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/08/23	09/08/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.3 %	70-130	09/08/23	09/08/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/23	09/08/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.5 %	70-130	09/08/23	09/08/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2336082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/08/23	
<i>Surrogate: n-Nonane</i>		108 %	50-200	09/08/23	09/08/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2336074
Chloride	64.3	20.0	1	09/08/23	09/09/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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**CS-8**

**E309049-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Benzene	ND	0.0250	1	09/08/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/08/23	09/08/23	
Toluene	ND	0.0250	1	09/08/23	09/08/23	
o-Xylene	ND	0.0250	1	09/08/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/08/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/08/23	09/08/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.2 %	70-130	09/08/23	09/08/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/23	09/08/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.4 %	70-130	09/08/23	09/08/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2336082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/08/23	
<i>Surrogate: n-Nonane</i>		107 %	50-200	09/08/23	09/08/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2336074
Chloride	74.1	20.0	1	09/08/23	09/09/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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**CS-9**

**E309049-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Benzene	ND	0.0250	1	09/08/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/08/23	09/08/23	
Toluene	ND	0.0250	1	09/08/23	09/08/23	
o-Xylene	ND	0.0250	1	09/08/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/08/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/08/23	09/08/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.8 %	70-130	09/08/23	09/08/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/23	09/08/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.9 %	70-130	09/08/23	09/08/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2336082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/08/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	09/08/23	09/08/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2336074
Chloride	70.4	20.0	1	09/08/23	09/09/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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**CS-10**  
**E309049-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Benzene	ND	0.0250	1	09/08/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/08/23	09/08/23	
Toluene	ND	0.0250	1	09/08/23	09/08/23	
o-Xylene	ND	0.0250	1	09/08/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/08/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/08/23	09/08/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.2 %	70-130	09/08/23	09/08/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/23	09/08/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.2 %	70-130	09/08/23	09/08/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2336082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/08/23	
<i>Surrogate: n-Nonane</i>		111 %	50-200	09/08/23	09/08/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2336074
Chloride	62.6	20.0	1	09/08/23	09/09/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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**CS-11**  
**E309049-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Benzene	ND	0.0250	1	09/08/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/08/23	09/08/23	
Toluene	ND	0.0250	1	09/08/23	09/08/23	
o-Xylene	ND	0.0250	1	09/08/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/08/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/08/23	09/08/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.8 %	70-130	09/08/23	09/08/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/23	09/08/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.8 %	70-130	09/08/23	09/08/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2336082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/08/23	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	09/08/23	09/08/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336074
Chloride	73.4	20.0	1	09/08/23	09/09/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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**CS-12**  
**E309049-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Benzene	ND	0.0250	1	09/08/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/08/23	09/08/23	
Toluene	ND	0.0250	1	09/08/23	09/08/23	
o-Xylene	ND	0.0250	1	09/08/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/08/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/08/23	09/08/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.3 %	70-130	09/08/23	09/08/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/23	09/08/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	09/08/23	09/08/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2336082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/08/23	
<i>Surrogate: n-Nonane</i>		109 %	50-200	09/08/23	09/08/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2336074
Chloride	77.4	20.0	1	09/08/23	09/09/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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**CS-13**  
**E309049-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Benzene	ND	0.0250	1	09/08/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/08/23	09/09/23	
Toluene	ND	0.0250	1	09/08/23	09/09/23	
o-Xylene	ND	0.0250	1	09/08/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/08/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/08/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.2 %	70-130	09/08/23	09/09/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.1 %	70-130	09/08/23	09/09/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2336082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/08/23	
<i>Surrogate: n-Nonane</i>		107 %	50-200	09/08/23	09/08/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2336074
Chloride	64.2	20.0	1	09/08/23	09/09/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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**SW-1**

**E309049-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Benzene	ND	0.0250	1	09/08/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/08/23	09/09/23	
Toluene	ND	0.0250	1	09/08/23	09/09/23	
o-Xylene	ND	0.0250	1	09/08/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/08/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/08/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.0 %	70-130	09/08/23	09/09/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.8 %	70-130	09/08/23	09/09/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2336082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/09/23	
<i>Surrogate: n-Nonane</i>		111 %	50-200	09/08/23	09/09/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2336074
Chloride	191	20.0	1	09/08/23	09/09/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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**SW-2**

**E309049-15**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Benzene	ND	0.0250	1	09/08/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/08/23	09/09/23	
Toluene	ND	0.0250	1	09/08/23	09/09/23	
o-Xylene	ND	0.0250	1	09/08/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/08/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/08/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.1 %	70-130	09/08/23	09/09/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.5 %	70-130	09/08/23	09/09/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2336082
Diesel Range Organics (C10-C28)	<b>10500</b>	500	20	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	<b>1310</b>	1000	20	09/08/23	09/11/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	09/08/23	09/11/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2336074
Chloride	<b>658</b>	20.0	1	09/08/23	09/09/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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**SW-3**

**E309049-16**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Benzene	ND	0.0250	1	09/08/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/08/23	09/09/23	
Toluene	ND	0.0250	1	09/08/23	09/09/23	
o-Xylene	ND	0.0250	1	09/08/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/08/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/08/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.5 %	70-130	09/08/23	09/09/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.6 %	70-130	09/08/23	09/09/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2336082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/11/23	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	09/08/23	09/11/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336074
Chloride	328	20.0	1	09/08/23	09/09/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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**SW-4**

**E309049-17**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Benzene	ND	0.0250	1	09/08/23	09/09/23	
Ethylbenzene	ND	0.0250	1	09/08/23	09/09/23	
Toluene	ND	0.0250	1	09/08/23	09/09/23	
o-Xylene	ND	0.0250	1	09/08/23	09/09/23	
p,m-Xylene	ND	0.0500	1	09/08/23	09/09/23	
Total Xylenes	ND	0.0250	1	09/08/23	09/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.4 %	70-130	09/08/23	09/09/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2336080
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/23	09/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.7 %	70-130	09/08/23	09/09/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2336082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/09/23	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	09/08/23	09/09/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336074
Chloride	26.4	20.0	1	09/08/23	09/09/23	



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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#### Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2336080-BLK1)

Prepared: 09/08/23 Analyzed: 09/08/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			

#### LCS (2336080-BS1)

Prepared: 09/08/23 Analyzed: 09/08/23

Benzene	4.71	0.0250	5.00		94.2	70-130			
Ethylbenzene	4.72	0.0250	5.00		94.4	70-130			
Toluene	4.76	0.0250	5.00		95.1	70-130			
o-Xylene	4.76	0.0250	5.00		95.1	70-130			
p,m-Xylene	9.64	0.0500	10.0		96.4	70-130			
Total Xylenes	14.4	0.0250	15.0		95.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			

#### Matrix Spike (2336080-MS1)

Source: E309049-03

Prepared: 09/08/23 Analyzed: 09/08/23

Benzene	4.54	0.0250	5.00	ND	90.7	54-133			
Ethylbenzene	4.55	0.0250	5.00	ND	91.1	61-133			
Toluene	4.58	0.0250	5.00	ND	91.5	61-130			
o-Xylene	4.57	0.0250	5.00	ND	91.5	63-131			
p,m-Xylene	9.31	0.0500	10.0	ND	93.1	63-131			
Total Xylenes	13.9	0.0250	15.0	ND	92.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.3	70-130			

#### Matrix Spike Dup (2336080-MSD1)

Source: E309049-03

Prepared: 09/08/23 Analyzed: 09/08/23

Benzene	4.30	0.0250	5.00	ND	85.9	54-133	5.44	20	
Ethylbenzene	4.32	0.0250	5.00	ND	86.3	61-133	5.37	20	
Toluene	4.34	0.0250	5.00	ND	86.9	61-130	5.23	20	
o-Xylene	4.37	0.0250	5.00	ND	87.5	63-131	4.48	20	
p,m-Xylene	8.83	0.0500	10.0	ND	88.3	63-131	5.31	20	
Total Xylenes	13.2	0.0250	15.0	ND	88.0	63-131	5.04	20	
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.6	70-130			



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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#### Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2336094-BLK1)

Prepared: 09/09/23 Analyzed: 09/09/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.47		8.00		93.4		70-130		

#### LCS (2336094-BS1)

Prepared: 09/09/23 Analyzed: 09/09/23

Benzene	4.66	0.0250	5.00		93.3		70-130		
Ethylbenzene	4.85	0.0250	5.00		97.0		70-130		
Toluene	4.84	0.0250	5.00		96.7		70-130		
o-Xylene	4.87	0.0250	5.00		97.4		70-130		
p,m-Xylene	9.89	0.0500	10.0		98.9		70-130		
Total Xylenes	14.8	0.0250	15.0		98.4		70-130		
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5		70-130		

#### Matrix Spike (2336094-MS1)

Source: E309060-01

Prepared: 09/09/23 Analyzed: 09/09/23

Benzene	4.81	0.0250	5.00	ND	96.2		54-133		
Ethylbenzene	5.03	0.0250	5.00	ND	101		61-133		
Toluene	5.01	0.0250	5.00	ND	100		61-130		
o-Xylene	5.07	0.0250	5.00	ND	101		63-131		
p,m-Xylene	10.3	0.0500	10.0	ND	103		63-131		
Total Xylenes	15.3	0.0250	15.0	ND	102		63-131		
Surrogate: 4-Bromochlorobenzene-PID	7.45		8.00		93.2		70-130		

#### Matrix Spike Dup (2336094-MSD1)

Source: E309060-01

Prepared: 09/09/23 Analyzed: 09/09/23

Benzene	4.70	0.0250	5.00	ND	94.0		54-133	2.33	20
Ethylbenzene	4.94	0.0250	5.00	ND	98.8		61-133	1.89	20
Toluene	4.89	0.0250	5.00	ND	97.9		61-130	2.32	20
o-Xylene	4.97	0.0250	5.00	ND	99.4		63-131	1.93	20
p,m-Xylene	10.1	0.0500	10.0	ND	101		63-131	1.95	20
Total Xylenes	15.1	0.0250	15.0	ND	100		63-131	1.94	20
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.1		70-130		



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2336080-BLK1)**

Prepared: 09/08/23 Analyzed: 09/08/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			

**LCS (2336080-BS2)**

Prepared: 09/08/23 Analyzed: 09/08/23

Gasoline Range Organics (C6-C10)	49.6	20.0	50.0		99.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			

**Matrix Spike (2336080-MS2)**

Source: E309049-03

Prepared: 09/08/23 Analyzed: 09/08/23

Gasoline Range Organics (C6-C10)	43.5	20.0	50.0	ND	87.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			

**Matrix Spike Dup (2336080-MSD2)**

Source: E309049-03

Prepared: 09/08/23 Analyzed: 09/08/23

Gasoline Range Organics (C6-C10)	43.9	20.0	50.0	ND	87.7	70-130	0.884	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.8	70-130			



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

**Blank (2336094-BLK1)**

Prepared: 09/09/23 Analyzed: 09/09/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			

**LCS (2336094-BS2)**

Prepared: 09/09/23 Analyzed: 09/09/23

Gasoline Range Organics (C6-C10)	55.9	20.0	50.0		112	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.7	70-130			

**Matrix Spike (2336094-MS2)**

Source: E309060-01

Prepared: 09/09/23 Analyzed: 09/09/23

Gasoline Range Organics (C6-C10)	55.3	20.0	50.0	ND	111	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			

**Matrix Spike Dup (2336094-MSD2)**

Source: E309060-01

Prepared: 09/09/23 Analyzed: 09/09/23

Gasoline Range Organics (C6-C10)	52.8	20.0	50.0	ND	106	70-130	4.51	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2336082-BLK1)**

Prepared: 09/08/23 Analyzed: 09/08/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.5		50.0		119	50-200			

**LCS (2336082-BS1)**

Prepared: 09/08/23 Analyzed: 09/08/23

Diesel Range Organics (C10-C28)	280	25.0	250		112	38-132			
Surrogate: n-Nonane	54.9		50.0		110	50-200			

**Matrix Spike (2336082-MS1)**

Source: E309049-03

Prepared: 09/08/23 Analyzed: 09/08/23

Diesel Range Organics (C10-C28)	281	25.0	250	ND	113	38-132			
Surrogate: n-Nonane	55.4		50.0		111	50-200			

**Matrix Spike Dup (2336082-MSD1)**

Source: E309049-03

Prepared: 09/08/23 Analyzed: 09/08/23

Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	38-132	0.410	20	
Surrogate: n-Nonane	55.1		50.0		110	50-200			



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2337019-BLK1)**

Prepared: 09/11/23 Analyzed: 09/11/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.5		50.0		95.0	50-200			

**LCS (2337019-BS1)**

Prepared: 09/11/23 Analyzed: 09/11/23

Diesel Range Organics (C10-C28)	206	25.0	250		82.5	38-132			
Surrogate: n-Nonane	47.3		50.0		94.6	50-200			

**Matrix Spike (2337019-MS1)**

Source: E309049-01

Prepared: 09/11/23 Analyzed: 09/11/23

Diesel Range Organics (C10-C28)	301	25.0	250	61.0	96.0	38-132			
Surrogate: n-Nonane	60.7		50.0		121	50-200			

**Matrix Spike Dup (2337019-MSD1)**

Source: E309049-01

Prepared: 09/11/23 Analyzed: 09/11/23

Diesel Range Organics (C10-C28)	314	25.0	250	61.0	101	38-132	4.27	20	
Surrogate: n-Nonane	60.5		50.0		121	50-200			



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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#### Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2336074-BLK1)**

Prepared: 09/08/23 Analyzed: 09/08/23

Chloride ND 20.0

**LCS (2336074-BS1)**

Prepared: 09/08/23 Analyzed: 09/08/23

Chloride 255 20.0 250 102 90-110

**Matrix Spike (2336074-MS1)**

Source: E309049-02

Prepared: 09/08/23 Analyzed: 09/08/23

Chloride 332 20.0 250 80.5 101 80-120

**Matrix Spike Dup (2336074-MSD1)**

Source: E309049-02

Prepared: 09/08/23 Analyzed: 09/08/23

Chloride 333 20.0 250 80.5 101 80-120 0.397 20



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/11/2023 5:21:46PM
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#### Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2337009-BLK1)**

Prepared: 09/11/23 Analyzed: 09/11/23

Chloride	ND	20.0							
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**LCS (2337009-BS1)**

Prepared: 09/11/23 Analyzed: 09/11/23

Chloride	259	20.0	250		104	90-110			
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**Matrix Spike (2337009-MS1)**

Source: E309035-01

Prepared: 09/11/23 Analyzed: 09/11/23

Chloride	84300	2000	250	57200	NR	80-120			M4
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**Matrix Spike Dup (2337009-MSD1)**

Source: E309035-01

Prepared: 09/11/23 Analyzed: 09/11/23

Chloride	82000	2000	250	57200	NR	80-120	2.76	20	M4
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QC Summary Report Comment:

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



### Definitions and Notes

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Rio Blanco 33 Federal #001 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 09/11/23 17:21
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- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.  
Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



### Chain of Custody

Work Order No: E309049  
 Job # 01058-0007

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
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:	254-266-5456	Email:	Wesley.Mathews@dvn.com

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

Project Name:		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes	
Project Number:	237338	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		None: NO	DI Water: H <sub>2</sub> O										
Project Location	Lea Co. NM	Due Date:	48hr	Cool: Cool	MeOH: Me											
Sampler's Name:	Kellan Smith	TAT starts the day received by the lab, if received by 4:30pm		HCL: HC	HNO <sub>3</sub> : HN											
PO #:	21163413			H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na											
<b>SAMPLE RECEIPT</b>		Temp Blank:	Yes No	Wet Ice:	Yes No	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	H <sub>3</sub> PO <sub>4</sub> : HP	Sample Comments				
Received Intact:	Yes No	N/A	Thermometer ID:		NaHSO <sub>4</sub> : NABIS											
Cooler Custody Seals:	Yes No	N/A	Correction Factor:		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>											
Sample Custody Seals:	Yes No	N/A	Temperature Reading:	4	Zn Acetate+NaOH: Zn											
Total Containers:	17		Corrected Temperature:		NaOH+Ascorbic Acid: SAPC											
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont										
CS-1	9/5/2023		x		Comp	1	x	x	x					1		
CS-2	9/5/2023		x		Comp	1	x	x	x					2		
CS-3	9/5/2023		x		Comp	1	x	x	x					3		
CS-4	9/5/2023		x		Comp	1	x	x	x					4		
CS-5	9/5/2023		x		Comp	1	x	x	x					5		
CS-6	9/5/2023		x		Comp	1	x	x	x					6		
CS-7	9/5/2023		x		Comp	1	x	x	x					7		
CS-8	9/5/2023		x		Comp	1	x	x	x					8		
CS-9	9/5/2023		x		Comp	1	x	x	x					9		
CS-10	9/5/2023		x		Comp	1	x	x	x					10		

**Additional Comments:**

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	9/7/23 9:00	<i>[Signature]</i>	Michelle Cuyler	9-7-23 09:15
<i>[Signature]</i>	<i>[Signature]</i>	9-7-23 18:15	<i>[Signature]</i>	Caith M... ..	9/8/23 6:00

# Chain of Custody



Work Order No: E309049  
Job # 01058-0007

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
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:	254-266-5456	Email:	Wesley.Mathews@dmv.com

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

Project Name:		Turn Around		ANALYSIS REQUEST										Preservative Codes				
Project Number:	237338	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush	Pres. Code													None: NO	DI Water: H <sub>2</sub> O
Project Location	Lea Co. NM	Due Date:	48hr	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500										Cool: Cool	MeOH: Me
Sampler's Name:	Kellan Smith	TAT starts the day received by the lab, if received by 4:30pm															HCL: HC	HNO <sub>3</sub> : HN
PO #:	21163413																H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
SAMPLE RECEIPT		Temp Blank:	Yes No														Wet Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Received Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID:															NaHSO <sub>4</sub> : NABIS	
Cooler Custody Seals:	Yes No N/A	Correction Factor:															Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	
Sample Custody Seals:	Yes No N/A	Temperature Reading:		4													Zn Acetate+NaOH: Zn	
Total Containers:	17	Corrected Temperature:															NaOH+Ascorbic Acid: SAPC	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont												Sample Comments
CS-11	9/5/2023		x		Comp	1	x	x	x									11
CS-12	9/5/2023		x		Comp	1	x	x	x									12
CS-13	9/5/2023		x		Comp	1	x	x	x									13
SW-1	9/5/2023		x		Comp	1	x	x	x									14
SW-2	9/5/2023		x		Comp	1	x	x	x									15
SW-3	9/5/2023		x		Comp	1	x	x	x									16
SW-4	9/5/2023		x		Comp	1	x	x	x									17

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>	9/7/23 9:00	<i>[Signature]</i>	<i>[Signature]</i>	9-7-23 0915
<i>[Signature]</i>	<i>[Signature]</i>	9-7-23 1815	<i>[Signature]</i>	<i>[Signature]</i>	9/8/23 16:00

Envirotech Analytical Laboratory

Printed: 9/8/2023 8:40:27AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	NTG-New Tech Global Environmental	Date Received:	09/08/23 06:00	Work Order ID:	E309049
Phone:	(281) 872-9300	Date Logged In:	09/07/23 14:18	Logged In By:	Alexa Michaels
Email:	esessums@ntglobal.com	Due Date:	09/11/23 17:00 (1 day TAT)		

**Chain of Custody (COC)**

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

Carrier: Courier

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

**Sample Turn Around Time (TAT)**

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

**Sample Cooler**

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

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

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

**Sample Container**

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

**Field Label**

- 20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? No

**Sample Preservation**

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

**Multiphase Sample Matrix**

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

**Subcontract Laboratory**

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

**Comments/Resolution**

Sample #1 Sample ID CS-1 not received. Time sampled not provided on COC per client. SRC email not sent per client request.

**Client Instruction**

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

Date



envirotech Inc.



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

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September 21, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: RIO BLANCO 33 FED #001

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



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:	RIO BLANCO 33 FED #001	Sampling Condition:	Cool & Intact
Project Number:	237338	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO, NM		

**Sample ID: CS-1 ( 2' ) (H235068-01)**

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
Chloride	64.0	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*	<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 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 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:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	RIO BLANCO 33 FED #001	Sampling Condition:	Cool & Intact
Project Number:	237338	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO, NM		

**Sample ID: SW - 2A (0-2') (H235068-02)**

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) 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	48.0	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*	<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 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 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:	RIO BLANCO 33 FED #001	Sampling Condition:	Cool & Intact
Project Number:	237338	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO, NM		

**Sample ID: SW - 5 ( 1-2' ) (H235068-03)**

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) 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	224	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 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	RIO BLANCO 33 FED #001	Sampling Condition:	Cool & Intact
Project Number:	237338	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO, NM		

**Sample ID: SW - 6 ( 1-2' ) (H235068-04)**

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	64.0	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*	<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 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: A235068

Page 1 of 1

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
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:	254-266-5456	Email:	Wesley.Mathews@dvn.com

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

Project Name:	Rio Blanco 33 Federal #001	Turn Around	Pres. Code	ANALYSIS REQUEST	Preservative Codes
Project Number:	237338	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	48hr		None: NO DI Water: H <sub>2</sub> O
Project Location:	Lea Co. NM	Due Date:	TAT starts the day received by the lab, if received by 4:30pm		Cool: Cool MeOH: Me
Sampler's Name:	Kellan Smith				HCL: HC HNO <sub>3</sub> : HN
PO #:	21163413				H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na
<b>SAMPLE RECEIPT</b>	Temp Blank: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Wet Ice: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Thermometer ID: #140		H <sub>3</sub> PO <sub>4</sub> : HP
Received Intact: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cooler Custody Seals: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Correction Factor: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Temperature Reading: 3.50°C		NaHSO <sub>4</sub> : NABIS
Sample Custody Seals: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Corrected Temperature: 4				Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>
Total Containers:	4				Zn Acetate+NaOH: Zn
					NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Sample Comments
CS-1 (2)	9/19/2023		X		Comp	1	BTEX 8021B	
SW-2A (0-2)	9/19/2023		X		Comp	1	TPH 8015M ( GRO + DRO + MRO)	
SW-5 (1-2)	9/19/2023		X		Comp	1	Chloride 4500	
SW-6 (1-2)	9/19/2023		X		Comp	1		

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 13:56			

**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 279301

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 279301
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
amaxwell	None	10/26/2023