

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 not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

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

Printed Name: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date: 10/24/23

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

OCD Only

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

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Closure

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Dale Woodall Title: Env. Professional
Signature: Dale Woodall Date: 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 4th, 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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Environment
For Oil & Gas
Operations**

Mr. Mike Bratcher
October 24, 2023
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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 NMOCDC regulatory limits in the areas of V-1 and V-2 from depths 0 - 0.5 ft bgs. Analytical results are included in

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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 5th, 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 19th, 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

NTGE Project No.: 237338



Ethan Sessums

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 5th, 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
<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
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NTGE on behalf of DEVON Energy Production Company will be initiating a confirmation sampling event on Tuesday, September 19th, 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
<http://www.ntgenvironmental.com/>



INITIAL AND FINAL C-141

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

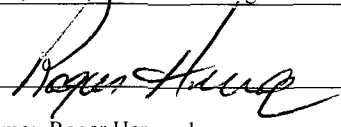
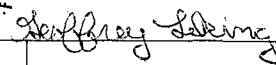
Describe Cause of Problem and Remedial Action Taken.*

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: 	OIL CONSERVATION DIVISION	
Printed Name: Roger Hernandez	Approved by <input type="checkbox"/> ENV. ENGINEER: District Supervisor: 	
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 +1. MULTIPLE SAMPLING OF BLENDED SOIL REQUIRED TO ACQUIRE GOOD COMPOSITE. SUBMIT FINAL C-141 BY 09/08/10	Attached <input type="checkbox"/>

* Attach Additional Sheets If Necessary

IRP-11-10-2645

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Site Assessment/Characterization

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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.
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Printed Name: ___Dale Woodall_____ Title: ___Env. Professional_____

Signature: Dale Woodall Date: ___10/24/23_____

email: ___dale.woodall@dm.com_____ Telephone: ___575-748-1838_____

OCD Only

Received by: _____ Date: _____

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Closure

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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
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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: _____

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 _____

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	Yes/No	in yes, then				
<300 ft from a continuously flowing watercourse or other significant watercourse?	No	600	100		50	10
<200 ft from a lakebed, sinkhole, or playa lake?	No					
Water Well or Water Source						
<500 ft from a spring or a private, domestic fresh waster well used by less that 5 households for domestic or livestock purposes?	No					
<1,000 ft from a fresh water well or spring?	No					
Human and Other Area						
<300 ft from an occupied permanent residence, school, hospital, institution or church?	No					
Within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
<100 ft from a wetland?	No					
Within an area overlying a subsurface mine?	No					
Within and unstable area?	No					
Within a 100 yr floodplain?	No					

* - numerical limit or background, whichever is greater

OSE POD Location Map



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

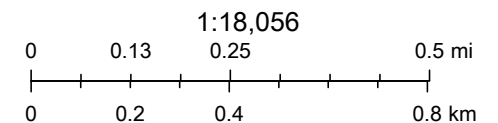
- Override 1
- Pending
- Active
- Inactive
- OSE District Boundary

GIS WATERS PODs

Water Right Regulations

 Closure Area

New Mexico State Trust Lands

 Subsurface Estate Surface Estate

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

Online web user

This is an unofficial map from the OSE's online application.

National Flood Hazard Layer FIRMette



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) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



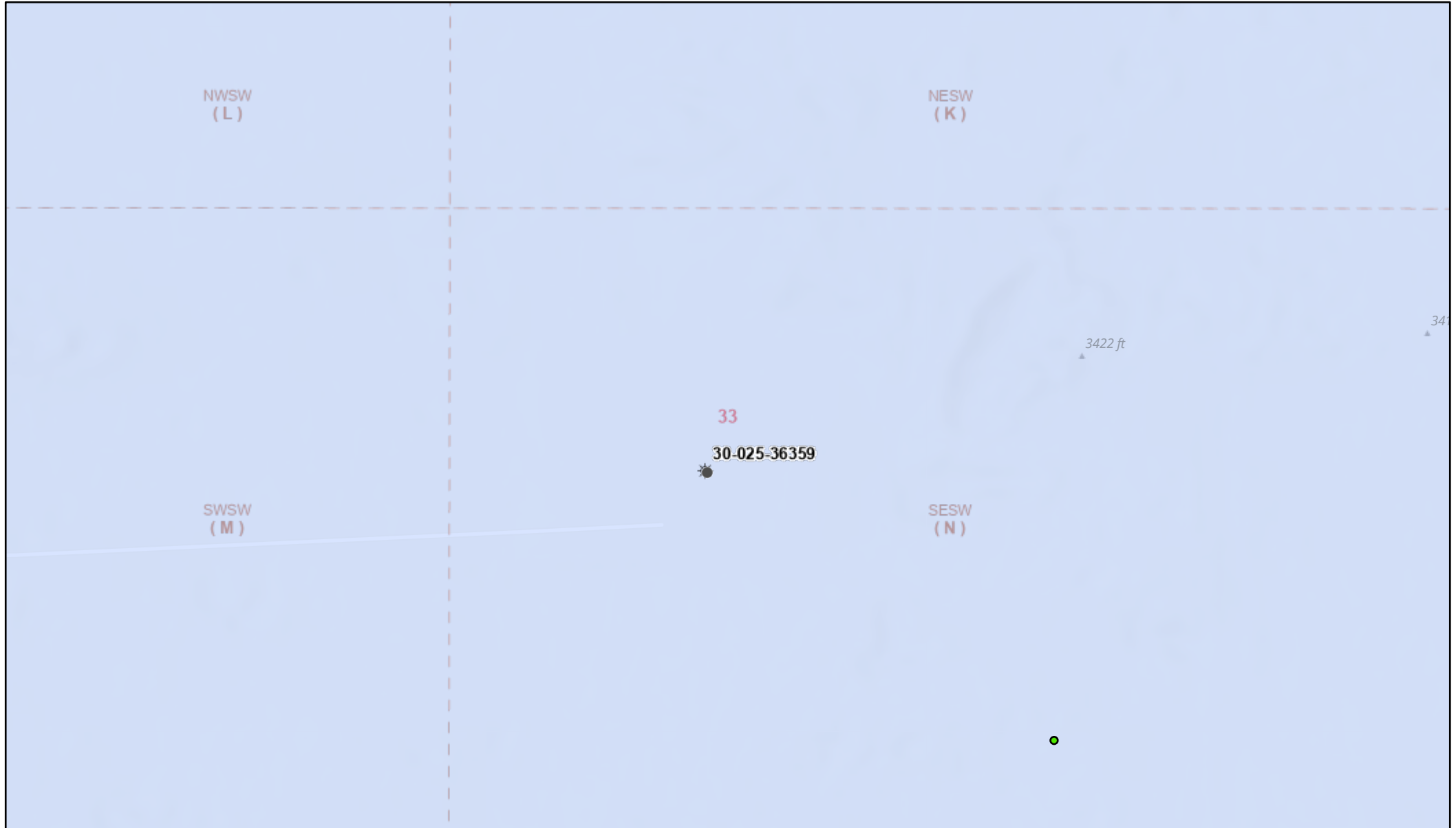
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

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

1:2,257

0 0.01 0.03 0.06 mi

0 0.03 0.05 0.1 km

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

NM OCD Oil and Gas Map. <http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75>: 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

Rio Blanco 33 Federal #001

33

3400

3400

Google Earth

Image © 2023 Maxar Technologies

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

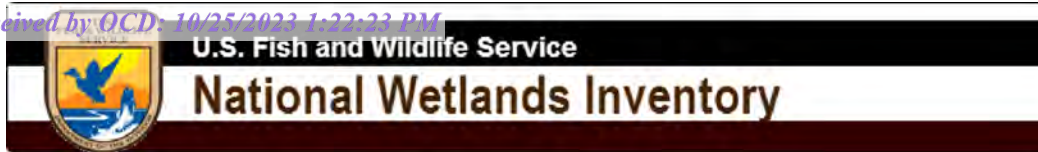
3000 ft





National Water Information System: Mapper





Rio Blanco 33 Fed #001



May 10, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

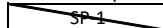
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

TABLES

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	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)		
			Table I Closure Criteria for Soil <50 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	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	656	
		1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
		2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
		3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
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	800	
		1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
		2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
		3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
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	16	
		1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
		2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
		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:

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

- TPH analyses by EPA Method SW 8015 Mod.
- 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	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			Table I Closure Criteria for Soil 100+ feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
Base Confirmation Samples													
CS-1	9/5/2023	1'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	61.0	61.0	148	209	68.2
	9/19/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
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	80.5
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	71.4
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	74.2
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	82.1
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	82.2
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	64.3
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	74.1
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	70.4
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	62.6
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	73.4
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	77.4
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	64.2
Sidewall Confirmation Samples													
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	191
SW-2	9/5/2023	0-1'	<0.0257	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	10,500	10,500	1,300	11,800	658
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	48
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	328
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	26.4
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	224
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	64

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.

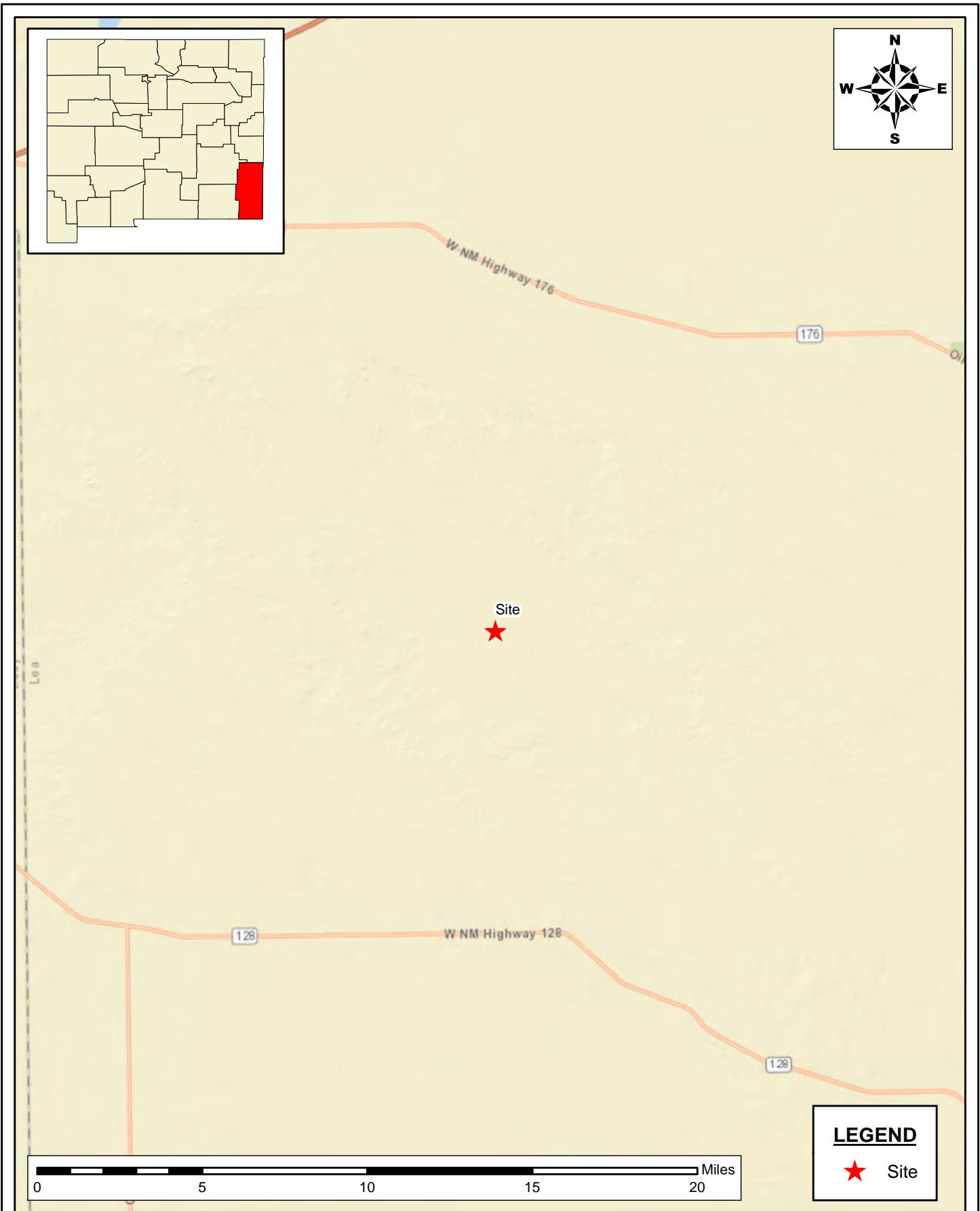
6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

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).

FIGURES

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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.ntgenviroinmental.com

NOTES:

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

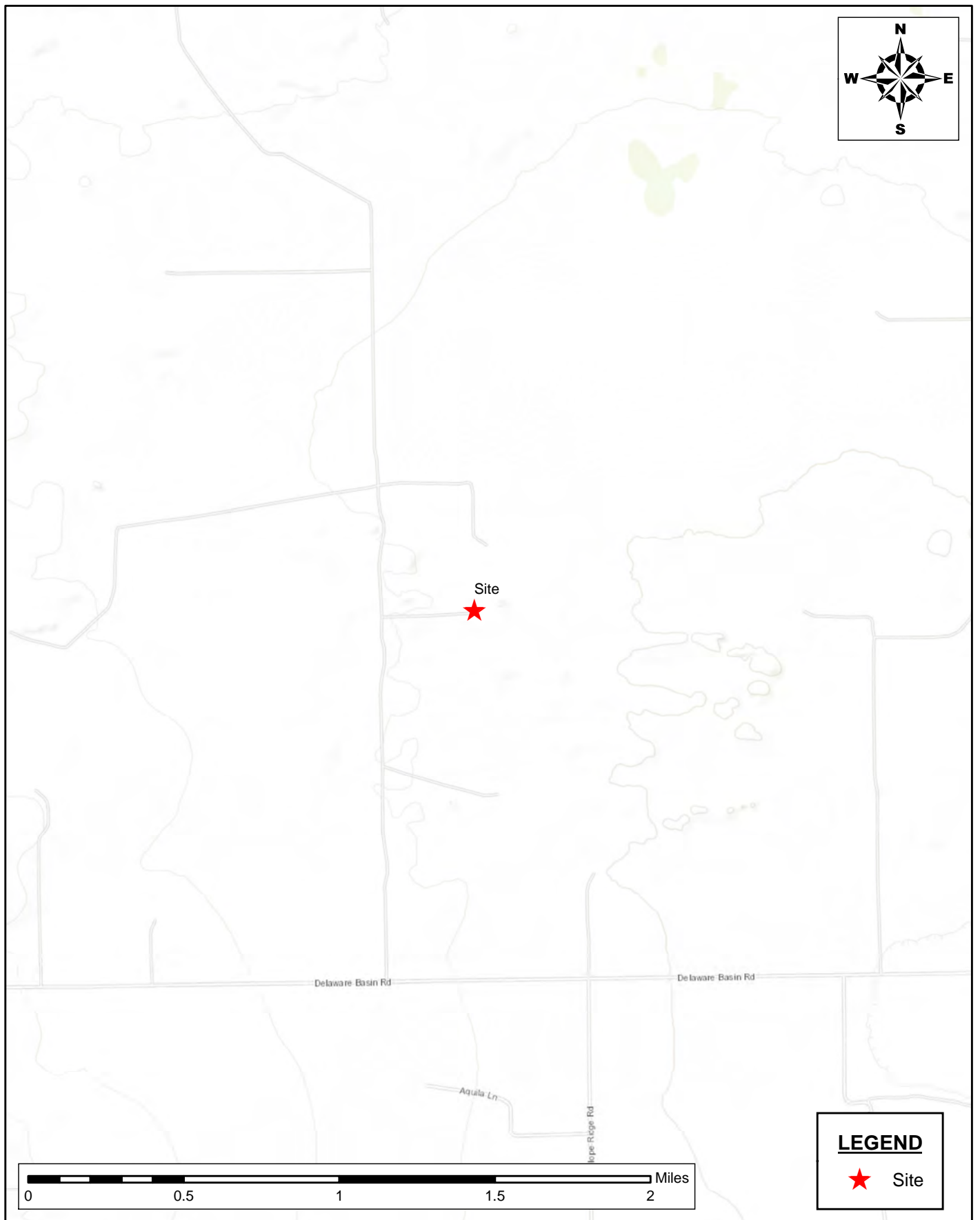
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FIGURE 1

SHEET NUMBER:

1 of 1

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TOPOGRAPHIC 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.ntgenviroinmental.com

NOTES:

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

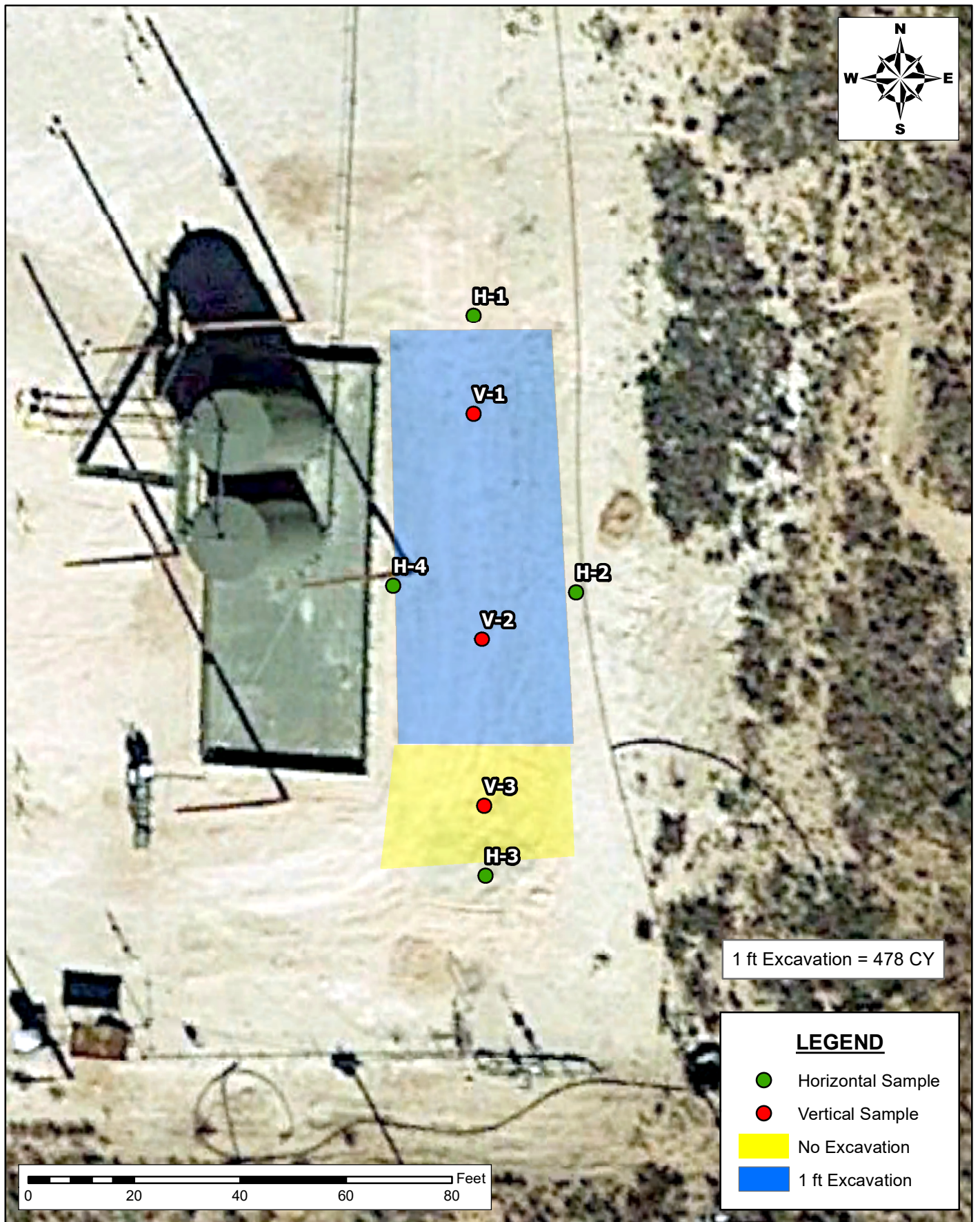
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FIGURE 2

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

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.ntgenviroinmental.com

NOTES:

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

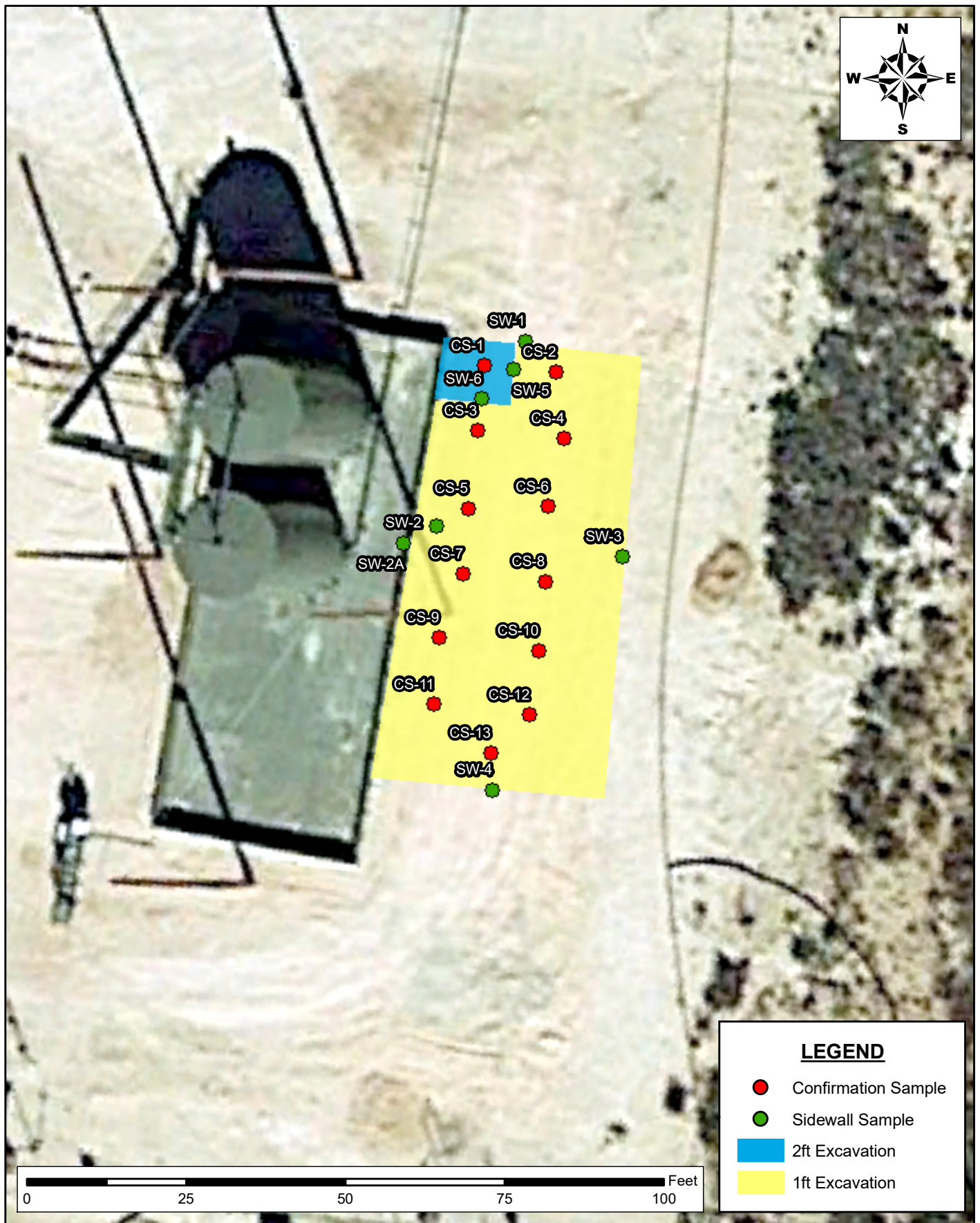
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FIGURE 3

SHEET NUMBER:

1 of 1

Document Path: C:\Users\ntg\Documents\2023 PROJECTS\DEVON\NRSC\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.ntgenviroinmental.com

NOTES:

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

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FIGURE 4

SHEET NUMBER:

1 of 1

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

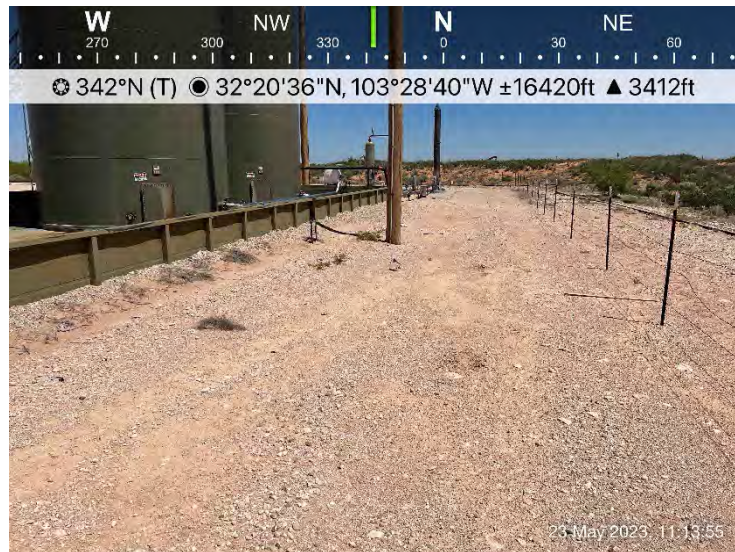
Devon Energy Production Company

Photograph No. 1

Facility: Rio Blanco 33 Federal #001

County: Lea County, New Mexico

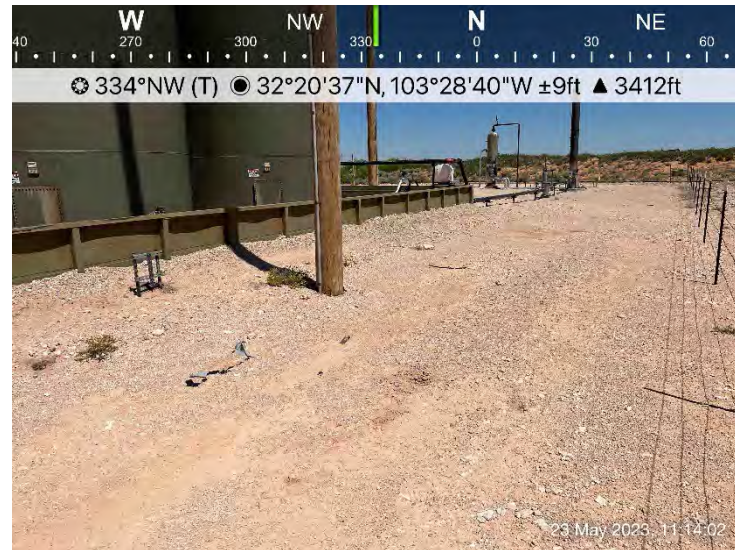
Description:
View of Impacted area.

**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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/23/2023
 Reported: 05/26/2023
 Project Name: RIO BLANCO 33 FED #001
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO, NM

Sampling Date: 05/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/23/2023
 Reported: 05/26/2023
 Project Name: RIO BLANCO 33 FED #001
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO, NM

Sampling Date: 05/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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, 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 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/23/2023
 Reported: 05/26/2023
 Project Name: RIO BLANCO 33 FED #001
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO, NM

Sampling Date: 05/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	05/23/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	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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Analytical Results For:

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

Received: 05/23/2023
 Reported: 05/26/2023
 Project Name: RIO BLANCO 33 FED #001
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO, NM

Sampling Date: 05/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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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Analytical Results For:

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

Received: 05/23/2023
 Reported: 05/26/2023
 Project Name: RIO BLANCO 33 FED #001
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO, NM

Sampling Date: 05/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	05/23/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	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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Analytical Results For:

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

Received: 05/23/2023
 Reported: 05/26/2023
 Project Name: RIO BLANCO 33 FED #001
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO, NM

Sampling Date: 05/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	05/23/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	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
 Reported: 05/26/2023
 Project Name: RIO BLANCO 33 FED #001
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO, NM

Sampling Date: 05/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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
 Reported: 05/26/2023
 Project Name: RIO BLANCO 33 FED #001
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO, NM

Sampling Date: 05/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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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Analytical Results For:

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

Received: 05/23/2023
 Reported: 05/26/2023
 Project Name: RIO BLANCO 33 FED #001
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO, NM

Sampling Date: 05/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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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Analytical Results For:

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

Received: 05/23/2023
 Reported: 05/26/2023
 Project Name: RIO BLANCO 33 FED #001
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO, NM

Sampling Date: 05/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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, 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 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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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
 Reported: 05/26/2023
 Project Name: RIO BLANCO 33 FED #001
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO, NM

Sampling Date: 05/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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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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
 Reported: 05/26/2023
 Project Name: RIO BLANCO 33 FED #001
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO, NM

Sampling Date: 05/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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	05/24/2023	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
 Reported: 05/26/2023
 Project Name: RIO BLANCO 33 FED #001
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO, NM

Sampling Date: 05/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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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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
 Reported: 05/26/2023
 Project Name: RIO BLANCO 33 FED #001
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO, NM

Sampling Date: 05/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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, 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 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
 Reported: 05/26/2023
 Project Name: RIO BLANCO 33 FED #001
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO, NM

Sampling Date: 05/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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, 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 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
 Reported: 05/26/2023
 Project Name: RIO BLANCO 33 FED #001
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO, NM

Sampling Date: 05/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Page 1 of 2

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@dyn.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level 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		Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:		<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush														None: NO	DI Water: H ₂ O			
Project Location:	Lea Co. NM	Due Date:															Cool: Cool	MeOH: Me			
Sampler's Name:	Ethan Sessums	TAT starts the day received by the lab, if received by 4:30pm															HCL: HC	HNO ₃ : HN			
PO #	21163413																H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Well Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													HOLD			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:																NaHSO ₄ : NABIS			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:																Zn Acetate+NaOH: Zn			
Total Containers:	16	Corrected Temperature:																NaOH+Ascorbic Acid: SARC			
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
V-1 (0-6")		5/23/2023	9:50	X		Grab/	X	X	X	X	X	X	X	X	X	X	X	-2			
V-1 (1-1.5")		5/23/2023	9:55	X		Grab/	X	X	X	X	X	X	X	X	X	X	X	3			
V-1 (2-2.5")		5/23/2023	10:00	X		Grab/	X	X	X	X	X	X	X	X	X	X	X	4			
V-1 (3-3.5")		5/23/2023	10:05	X		Grab/	X	X	X	X	X	X	X	X	X	X	X	5			
V-2 (0-6")		5/23/2023	10:10	X		Grab/	X	X	X	X	X	X	X	X	X	X	X	5			
V-2 (1-1.5")		5/23/2023	10:15	X		Grab/	X	X	X	X	X	X	X	X	X	X	X	7			
V-2 (2-2.5")		5/23/2023	10:20	X		Grab/	X	X	X	X	X	X	X	X	X	X	X	9			
V-2 (3-3.5")		5/23/2023	10:25	X		Grab/	X	X	X	X	X	X	X	X	X	X	X	9			
V-3 (0-6")		5/23/2023	10:30	X		Grab/	X	X	X	X	X	X	X	X	X	X	X	10			
V-3 (1-1.5")		5/23/2023	10:35	X		Grab/	X	X	X	X	X	X	X	X	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



Chain of Custody

Page 2 of 2

Work Order No: 183210810

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

Project Name:	Rio Blanco 33 Fed #001	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:		<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush														None: NO	DI Water: H ₂ O			
Project Location:	Lea Co. NM	Due Date:															Cool: Cool	MeOH: Me			
Sampler's Name:	Ethan Sessums	TAT starts the day received by the lab, if received by 4:30pm															HCL: HC	-HNO ₃ : HN			
PO #	21163413																H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters										HOLD				
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:					BTX 8021B														
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:					TPH 8015M (GRO + DRO + MRO)														
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:					Chloride 4500														
Total Containers:	16	Corrected Temperature:																			
Sample Identification		Date	Time	Soil	Water	Grab/ Comp	# of Cont											Sample Comments			
V-3 (2-2.5')		5/23/2023	10:40	X		Grab/	X	X	X								11				
V-3 (3-3.5')		5/23/2023	10:45	X		Grab/	X	X	X								13				
H-1 (0-6')		5/23/2023	10:50	X		Grab/	X	X	X								14				
H-2 (0-6')		5/23/2023	10:55	X		Grab/	X	X	X								15				
H-3 (0-6')		5/23/2023	10:00	X		Grab/	X	X	X								16				
H-4 (0-6')		5/23/2023	10:05	X		Grab/	X	X	X												

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$95.00 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
		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,

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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
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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	Reported: 9/11/2023 5:21:46PM
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CS-1

E309049-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2337019	
Diesel Range Organics (C10-C28)	61.0	25.0	1	09/11/23	09/11/23	
Oil Range Organics (C28-C36)	148	50.0	1	09/11/23	09/11/23	
<i>Surrogate: n-Nonane</i>	123 %	50-200		09/11/23	09/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2337009	
Chloride	68.2	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

Reported:
9/11/2023 5:21:46PM

CS-2

E309049-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
9/11/2023 5:21:46PM

CS-3

E309049-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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>	<i>94.5 %</i>	<i>70-130</i>		<i>09/08/23</i>	<i>09/08/23</i>	
Nonhalogenated Organics by EPA 8015D - GRO	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>	<i>93.9 %</i>	<i>70-130</i>		<i>09/08/23</i>	<i>09/08/23</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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>	<i>107 %</i>	<i>50-200</i>		<i>09/08/23</i>	<i>09/08/23</i>	
Anions by EPA 300.0/9056A	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

Reported:
9/11/2023 5:21:46PM

CS-4

E309049-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
9/11/2023 5:21:46PM

CS-5

E309049-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
9/11/2023 5:21:46PM

CS-6

E309049-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
9/11/2023 5:21:46PM

CS-7

E309049-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
9/11/2023 5:21:46PM

CS-8

E309049-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
9/11/2023 5:21:46PM

CS-9

E309049-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
9/11/2023 5:21:46PM

CS-10

E309049-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
9/11/2023 5:21:46PM

CS-11

E309049-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
9/11/2023 5:21:46PM

CS-12

E309049-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
9/11/2023 5:21:46PM

CS-13

E309049-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
9/11/2023 5:21:46PM

SW-1

E309049-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
9/11/2023 5:21:46PM

SW-2

E309049-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2336082
Diesel Range Organics (C10-C28)	10500	500	20	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	1310	1000	20	09/08/23	09/11/23	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		09/08/23	09/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336074
Chloride	658	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

Reported:
9/11/2023 5:21:46PM

SW-3

E309049-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
9/11/2023 5:21:46PM

SW-4

E309049-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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	Reported: 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	Reported: 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	Reported: 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	Reported: 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 (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	Reported: 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	Reported: 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	Reported: 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	Reported: 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							
LCS (2337009-BS1)				Prepared: 09/11/23 Analyzed: 09/11/23					
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2337009-MS1)				Source: E309035-01		Prepared: 09/11/23 Analyzed: 09/11/23			
Chloride	84300	2000	250	57200	NR	80-120			M4
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

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



Definitions and Notes

NTG-New Tech Global Environmental	Project Name:	Rio Blanco 33 Federal #001	
911 Regional Park Dr.	Project Number:	01058-0007	Reported:
Houston TX, 77060	Project Manager:	Ethan Sessums	09/11/23 17:21

- 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

Page 1 of 2

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@dnv.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		ANALYSIS REQUEST																Preservative Codes									
Project Number:		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code																		None: NO DI Water: H ₂ O							
Project Location		Due Date:		Parameters		BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500																Cool Cool MeOH: Me							
Sampler's Name:		48hr																				HCL HC HNO ₃ : HN							
PO #:		TAT starts the day received by the lab, if received by 4:30pm																				H ₂ SO ₄ : H ₂ NaOH: Na							
																						H ₃ PO ₄ : HP							
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		HOLD																		NaHSO ₄ : NABIS	
Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID:				Na ₂ S ₂ O ₃ : NaSO ₃																					
Cooler Custody Seals:		Yes No N/A		Correction Factor:				Zn Acetate+NaOH: Zn																					
Sample Custody Seals:		Yes No N/A		Temperature Reading:		4		NaOH+Ascorbic Acid: SAPC																					
Total Containers:		17		Corrected Temperature:																									
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments					
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
1 <i>[Signature]</i>	1 <i>[Signature]</i>	9/7/23 9:00	2 <i>[Signature]</i>	Michelle Gungl	9-7-23 09:15
3 <i>Michelle Gungl</i>	3 <i>Andrew Messo</i>	9-7-23 18:15	4 <i>Andrew Messo</i>	Carla Messo	9/8/23 6:00
5			6		

Page 2 of 2

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:		

Additional Comments:

Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1			9/7/23	9:00	2
3	Michelle Gault	Andrew Russo	9-7-23	1815	4
5					6

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:	esssums@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

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

Carrier: CourierSample 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

Client InstructionComments/Resolution

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

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

Date



envirotech Inc.



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

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/19/2023
 Reported: 09/21/2023
 Project Name: RIO BLANCO 33 FED #001
 Project Number: 237338
 Project Location: DEVON - LEA CO, NM

Sampling Date: 09/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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
 Reported: 09/21/2023
 Project Name: RIO BLANCO 33 FED #001
 Project Number: 237338
 Project Location: DEVON - LEA CO, NM

Sampling Date: 09/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

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



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
 Reported: 09/21/2023
 Project Name: RIO BLANCO 33 FED #001
 Project Number: 237338
 Project Location: DEVON - LEA CO, NM

Sampling Date: 09/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

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

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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
 Reported: 09/21/2023
 Project Name: RIO BLANCO 33 FED #001
 Project Number: 237338
 Project Location: DEVON - LEA CO, NM

Sampling Date: 09/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

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

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: A235048

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"/> 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 Federal #001	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	237338	Due Date:	48hr														None: NO	DI Water: H ₂ O	
Project Location:	Lea Co. NM																Cool: Cool	MeOH: Me	
Sampler's Name:	Kellan Smith																HCL: HC	HNO ₃ : HN	
PO #:	21163413																H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H ₃ PO ₄ : HP		
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>														NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>														Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>														Zn Acetate+NaOH: Zn		
Total Containers:	4																NaOH+Ascorbic Acid: SAPC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
CS-1 (2)	9/19/2023		X		Comp	1	X	X	X										
SW-2A (0-2)	9/19/2023		X		Comp	1	X	X	X										
SW-5 (1-2)	9/19/2023		X		Comp	1	X	X	X										
SW-6 (1-2)	9/19/2023		X		Comp	1	X	X	X										

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		9/19/23 13:55			

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