

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

State of New Mexico  
Energy Minerals and Natural  
Resources Department

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

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

Incident ID	nAPP2305947643
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party	Earthstone Operating, LLC	OGRID	331165
Contact Name	Chris Martin	Contact Telephone	432-253-9998 Ext. 2653
Contact email	cmartin@earthstoneenergy.com	Incident # (assigned by OCD)	
Contact mailing address	600 N. Marienfeld, Suite 1000, Midland, TX 79701		

### Location of Release Source

Latitude 32.667523 Longitude -103.604539  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Mescalero 7-6 1H, 2H, 3H & 4H	Site Type	Drilling
Date Release Discovered	2/22/23	API# (if applicable)	

Unit Letter	Section	Township	Range	County
M	07	19S	34E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 16	Volume Recovered (bbls) 5
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Produced water transfer hose was seriously damaged and when valves were opened it resulted in a release. The water to be used for fracing. Vac truck was able to recover 5 bbls of PW and soil was pushed and stockpiled to prevent further spread and allow work to continue. NTGE was contacted to provide a site evaluation.

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

## Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Rebecca Haskell</u>	Title: <u>Senior Project Manager</u>
Signature: <u><i>Rebecca Haskell</i></u>	Date: <u>2/28/23</u>
email: <u>bhaskell@ntglobal.com</u>	Telephone: <u>432-766-1918</u>
<b><u>OCD Only</u></b>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>03/01/2023</u>

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## 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?	Unknown _____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input 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: Rebecca Haskell Title: Senior Project Manager  
Signature: Rebecca Haskell Date: 6/1/23  
email: bhaskell@ntglobal.com Telephone: 432-766-1918

**OCD Only**

Received by: Jocelyn Harimon Date: 06/05/2023



Incident ID	nAPP2305947643
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## Remediation Plan

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

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

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

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

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: Rebecca Haskell Title: Senior Project Manager  
Signature: Rebecca Haskell Date: 6/1/23  
email: bhaskell@ntglobal.com Telephone: 432-766-1918

**OCD Only**

Received by: Jocelyn Harimon Date: 06/05/2023

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

Signature: Nelson Velez Date: 06/09/2023

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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: Rebecca Haskell Title: Senior Project Manager  
Signature: Rebecca Haskell Date: 8/18/23  
email: bhaskell@ntglobal.com Telephone: 432-766-1918

**OCD Only**

Received by: Shelly Wells Date: 8/21/2023

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: Nelson Velez Date: 12/04/2023  
Printed Name: Nelson Velez Title: Environmental Specialist – Adv



701 Tradewinds Blvd  
Midland, Texas 79707  
Tel. 432-766-1918  
www.ntgenvironmental.com

August 18, 2023

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

**Re: Site Closure Report  
Mescalero 7-6 1H, 2H, 3H, & 4H  
Earthstone Operating, LLC  
Incident ID: nAPP2305947643  
M-07-19S-23E, Lea County, New Mexico**

## 1. Introduction

New Tech Global Environmental, LLC (NTGE), on behalf of Earthstone Operating, LLC (Earthstone), submits this Site Closure Report to the NMOCD District 2 Office in Artesia, New Mexico. This report provides documentation of initial soil delineation, sampling, analysis, and remediation activities conducted in the affected areas at the Earthstone Mescalero 7-6 1H, 2H, 3H, & 4H Release Site (Site). The Site is located in Unit Letter M, Section 07 of Township 19 South and Range 23 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.667523° N Latitude and 103.604539° W Longitude. The release occurred on Federal land. Figures 1 and 2 depict the Site location. The footprint of the release is depicted on Figure 3.

## 2. Background

A C-141, Release Notification, for this release was submitted to the NMOCD on February 28, 2023. The C-141 stated that sixteen (16) barrels (bbls) of produced water were released with five (5) recovered for a net loss of eleven (11) bbls of produced water. The release was due to the produced water transfer hose being damaged which resulted in the release when the valves were opened.

The release falls under the jurisdiction of the NMOCD District 1 Office in Hobbs, New Mexico. The NMOCD assigned the release with Incident Number nAPP2305947643. A Site Characterization and Remediation Update Report, dated June 2, 2023, was submitted to the NMOCD for review. The report was approved by the NMOCD on June 9, 2023. The Release Notification, Site Assessment/Characterization, Remediation Plan, and Closure portions of Form C-141 are attached to the front of this report.

Mr. Mike Bratcher  
August 18, 2023  
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### 3. Groundwater and Site Characterization

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

The area is located in an area of low karst potential. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known depth to groundwater sources and or features within a ½-mile radius of the location. No other receptors were noted within the specified boundaries or distancing from the site. Figure 3, Delineation Sample Location Map, depicts the boundary of the release. The Site characterization documentation (NM Oil and Gas Map, Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) are provided as Attachment A. According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i), the Site is located within an area with an unknown depth to groundwater and meets the Closure Criteria for depth to groundwater less than fifty (50) feet in Table I. The soil and closure criteria are listed below:

*General Site Characterization and Groundwater: Table 3.1*

Site Characterization	Average Groundwater Depth (ft)
No Receptors Found	Unknown

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

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	TPH (GRO+DRO)	Total BTEX	Benzene
19.15.29.12 NMAC Table I Closure Criteria for Soils Impacted by a Release	600 mg/kg	100 mg/kg	--	50 mg/kg	10 mg/kg
Notes: --- = not defined					

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

On April 11, 2023, NTGE conducted initial assessment activities to assess the extent of impacts at the Mescalero 7-6 1H, 2H, 3H, & 4H (Site). A total of eight (8) vertical sample points (S-1 through S-8) as well as eleven (11) horizontal sample points (H-1 through H11) were installed to characterize the impact of the release. Soil samples were collected in half foot intervals ranging from depths of zero (0) to eleven (11) feet below ground surface (bgs). All soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, total petroleum hydrocarbons (TPH) by EPA Method 8015B Modified, and chloride by EPA Method SM4500. by Cardinal Laboratories

Mr. Mike Bratcher  
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(Cardinal) in Hobbs, New Mexico. Analytical results from NTGE's assessment indicated that chloride and/or TPH concentrations exceeded the Table I Closure Criteria in S-3, S-4, and S-6 through S-8. Figure 3, Site Assessment Map, depicts the outline of the release area and sample locations. Analytical results are provided on Table 1, Summary of Soil Analytical Data – Delineation Samples, and in the Laboratory Analytical Reports and Chain-of-Custody Documentation provided in Attachment D. A Photographic Log is provided in Attachment C.

## 5. Remedial Action Activities and Confirmation Sampling

Composite bottom hole and sidewall confirmation samples were collected by way of five (5) point composite samples from areas representing no greater than two hundred (200) square feet. The confirmation samples were analyzed for BTEX (EPA Method 8021B), TPH (EPA Method 8015M modified), and chloride (Method 300.0 or SM4500Cl-B).

On April 20, 2023, NTGE and Standard Safety and Supply (Standard) mobilized to the site to begin remediation activities. Areas were excavated from one (1) foot to ten (10) feet in depth based on initial assessment results and field observations. On May 10, 2023, NTGE collected nineteen (19) bottom hole confirmation samples (CS-1 through CS-19), three horizontal samples (H-12 through H-14), and twenty (20) sidewall samples. The three horizontal samples (CS-20 through CS-22) were taken to ensure excavation activities didn't need to extend out due to power pole installation. The power pole installation was later canceled due to proximity of the excavation areas. Analytical results indicated all samples exhibited benzene, BTEX, TPH and chloride concentrations below Table I Closure Criteria except for CS-3 and SW-11. Soil samples CS-3 and SW-11 exhibited chloride concentrations above 600 mg/kg.

Following the May 10, 2023, sampling event remediation activities were shut down due to there being unmarked pipelines in the area surrounding the excavation area. On May 22, 2023, NTGE and Standard returned to the site to resume remediation activities and found the excavation area filled with rainwater. Remediation activities resumed on June 1, 2023.

On June 2, 2023, NTGE collected an additional five (5) bottom hole confirmation samples (CS-3A, CS-20 through CS-23) and three (3) sidewall samples (SW-11A, SW-21 through SW-22). Analytical results indicated that all soil samples exhibited BTEX, TPH, and chloride concentrations below Table 1 Closure Criteria.

Following additional excavation activities by Standard, NTGE returned to the site on June 6, 2023, and collected seven (7) bottom hole confirmation samples (CS-24 through CS-30) and ten (10) sidewall samples (SW-23 through SW-32). Analytical results indicated that all soil samples exhibited BTEX, TPH, and chloride concentrations below Table 1 Closure Criteria.

On June 12, 2023, following additional excavation activities by Standard, NTGE collected three (3) bottom hole confirmation samples (CS-31 through CS-33) and four (4) sidewall samples (SW-33 through SW-36). The analytical results indicated that all soil samples exhibited BTEX, TPH, and chloride concentrations below Table 1 Closure Criteria.

Mr. Mike Bratcher  
August 18, 2023  
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To date, approximately 2,012.98 tons of impacted soils have been transported offsite for disposal at Lea Land, LLC of Carlsbad, New Mexico. Due to the file size, manifests are available upon request. The final excavation extent is shown on Figure 4, Excavation Overview Map, and confirmation sample locations are shown in Figures 5, Confirmation Sample Map – West, and Figure 6, Confirmation Sample Map - East. Analytical results are provided on Table 2, Summary of Soil Analytical Data – Confirmation Samples, and in the Laboratory Analytical Reports and Chain-of-Custody Documentation provided in Attachment D. A photographic log is provided as Attachment C and Confirmation Sampling Notifications are provided as Attachment B.

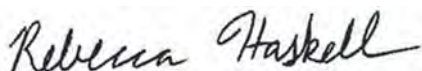
## 6. nAPP2305947643 Closure Request

The excavation was backfilled with non-impacted material. Site characterization, soil delineation, and remediation activities for this incident number have been performed in accordance with applicable NMOCD guidance and regulations. The Release Notification, Site Assessment/Characterization, Remediation Plan, and Closure portions of Form C-141 are attached to the front of this report. Based upon supporting documentation provided in this report, NTGE, on behalf of Earthstone, respectfully requests closure with no further regulatory action for nAPP2305947643.

If you have any questions regarding this report or need additional information, please contact us at 432-766-1918.

Sincerely,

NTG Environmental



Becky Haskell  
Senior Project Manager

### Attachments:

Figure 1:	Area Location Map
Figure 2:	Topographic Map
Figure 3:	Delineation Sample Location Map
Figure 4:	Excavation Overview Map
Figure 5:	Confirmation Sample Map - West
Figure 6:	Confirmation Sample Map - East
Table 1:	Summary of Soil Analytical Data – Delineation Samples
Table 2:	Summary of Soil Analytical Data – Confirmation Samples
Attachment A:	Site Characterization Documentation
Attachment B:	Confirmation Sampling Notifications
Attachment C:	Photographic Log
Attachment D:	Laboratory Analytical Reports and Chain -of-Custody Documentation

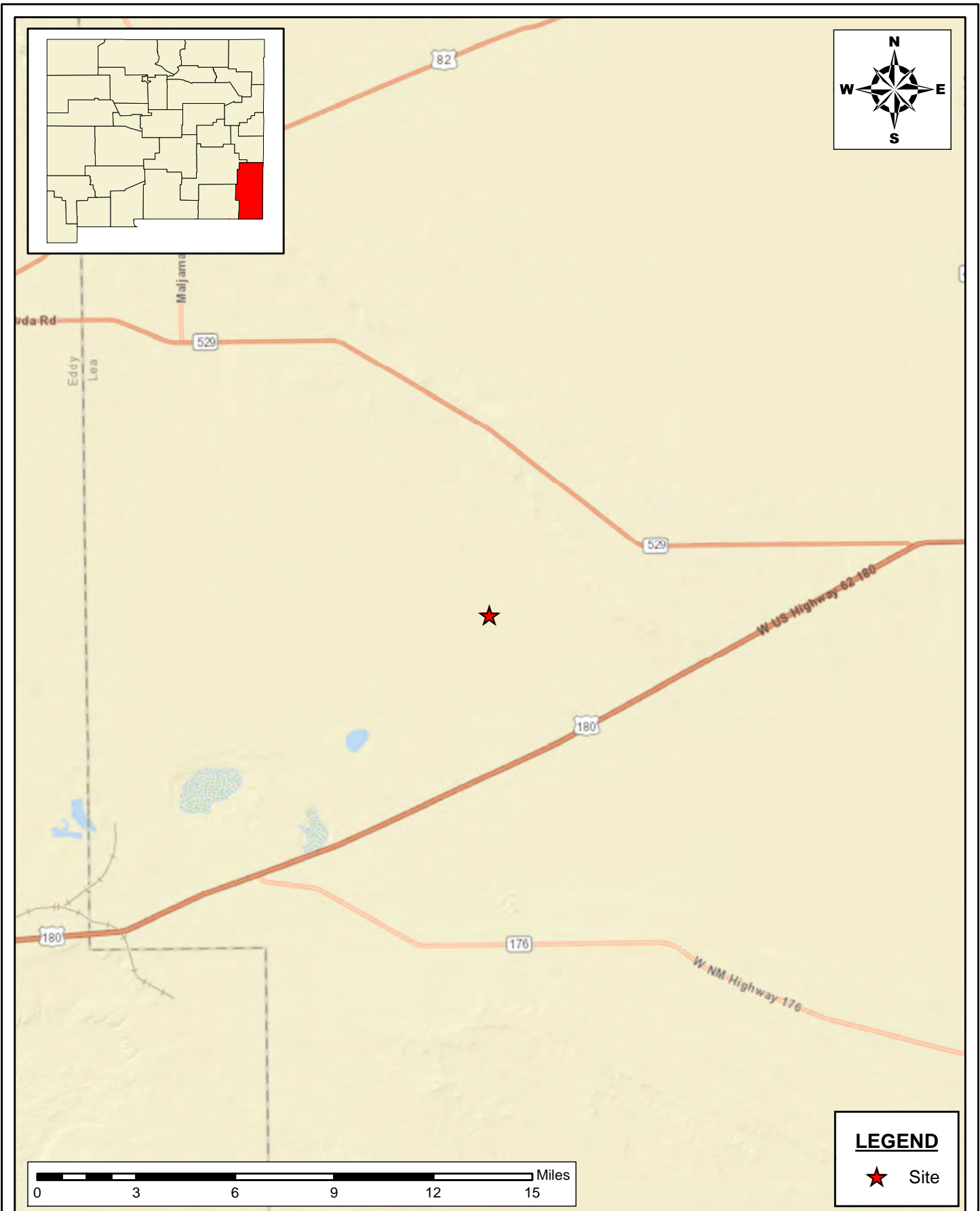
# FIGURES

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**SITE LOCATION MAP**  
**EARTHSTONE ENERGY**  
 Mescalero 7-6 1H, 2H, 3H and 4H  
 Lea County, New Mexico  
 32.667523°-103.604539°

SCALE: As Shown

Date: 5/31/2023

PROJECT #: 237067



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

**NOTES:**

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

DRAWING NUMBER:

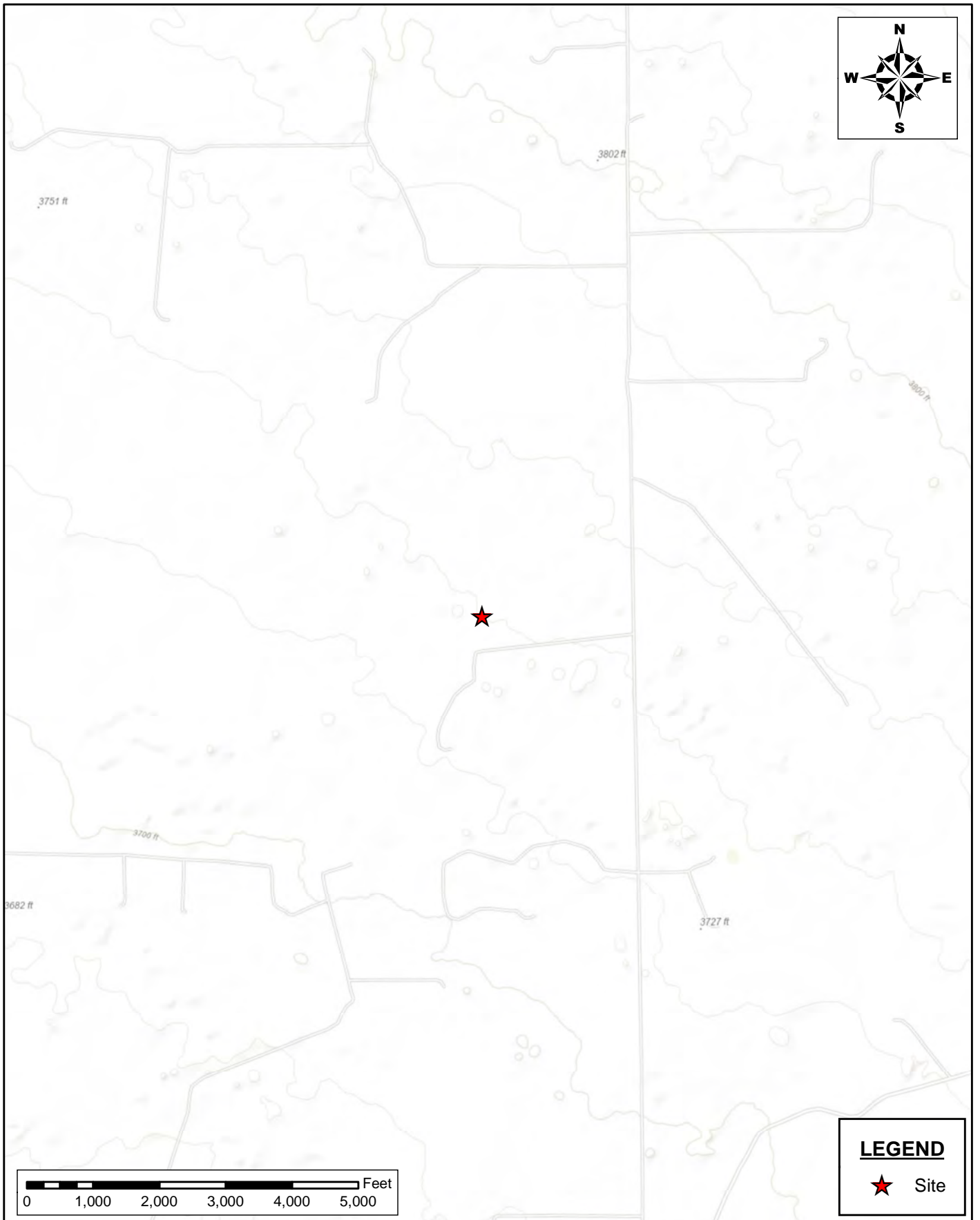
**FIGURE 1**

SHEET NUMBER:

**1 of 1**



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**TOPOGRAPHIC MAP**  
**EARTHSTONE ENERGY**  
Mescalero 7-6 1H, 2H, 3H and 4H  
Lea County, New Mexico  
32.667523°-103.604539°

SCALE: As Shown    Date: 5/31/2023    PROJECT #: 237067



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**NOTES:**

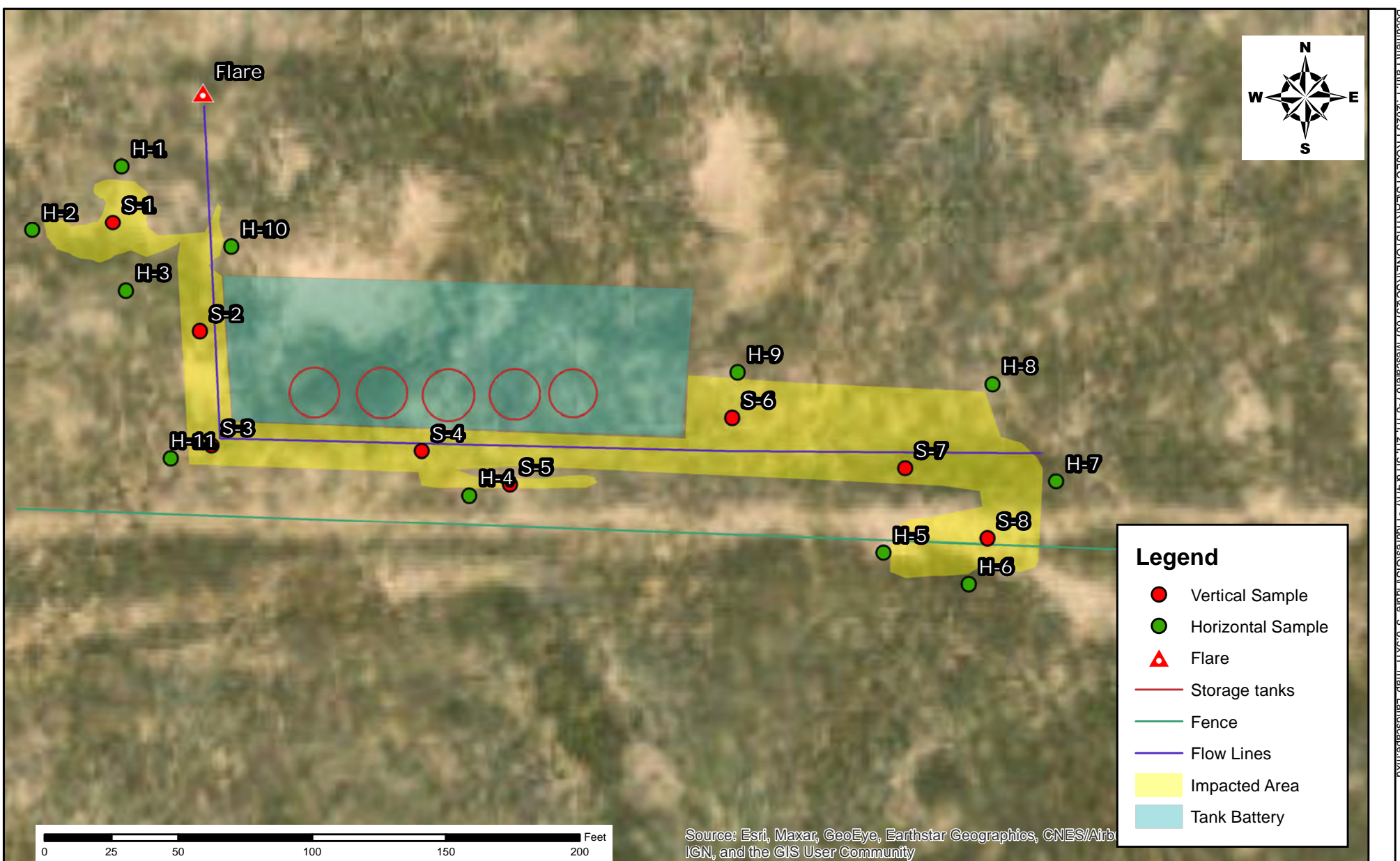
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

DRAWING NUMBER:

**FIGURE 2**

SHEET NUMBER:

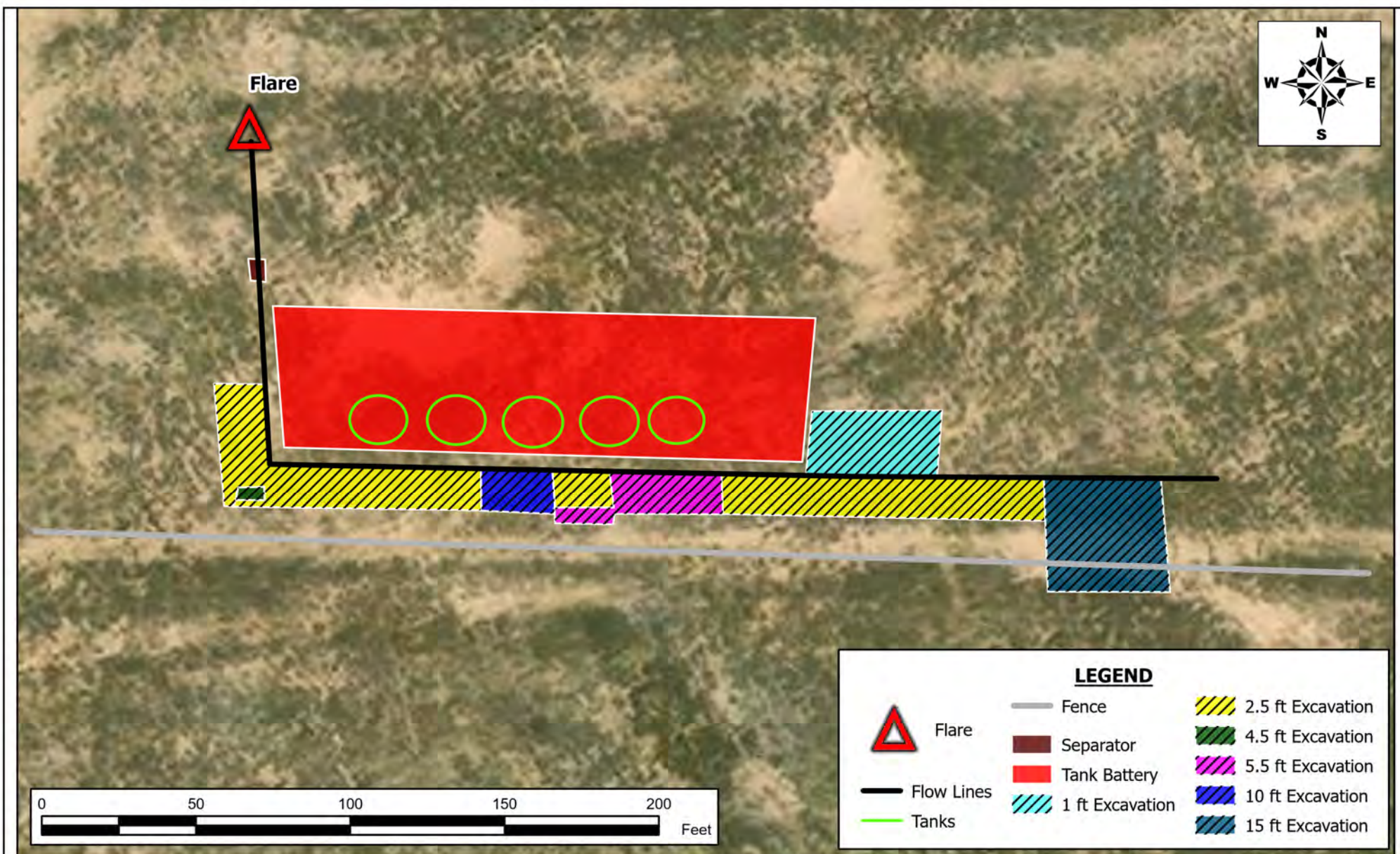
**1 of 1**



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DRAWING NUMBER <b>FIGURE 3</b> SHEET NUMBER 1 of 1	<b>SITE ASSESSMENT MAP</b> <b>EARTHSTONE ENERGY</b> Mescalero 7-6 1H, 2H, 3H and 4H Lea County, New Mexico 32.667523°-103.604539° SCALE: As Shown    Date: 6/2/2023    PROJECT #: 237067	<b>New Tech Global Environmental, LLC</b> 911 Regional Park Drive Houston, Texas 77060 T - 281.872.9300 F - 281.872.4521 Web: www.ntgenvironmental.com	<b>NOTES:</b> 1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983 UTM Zone 13N





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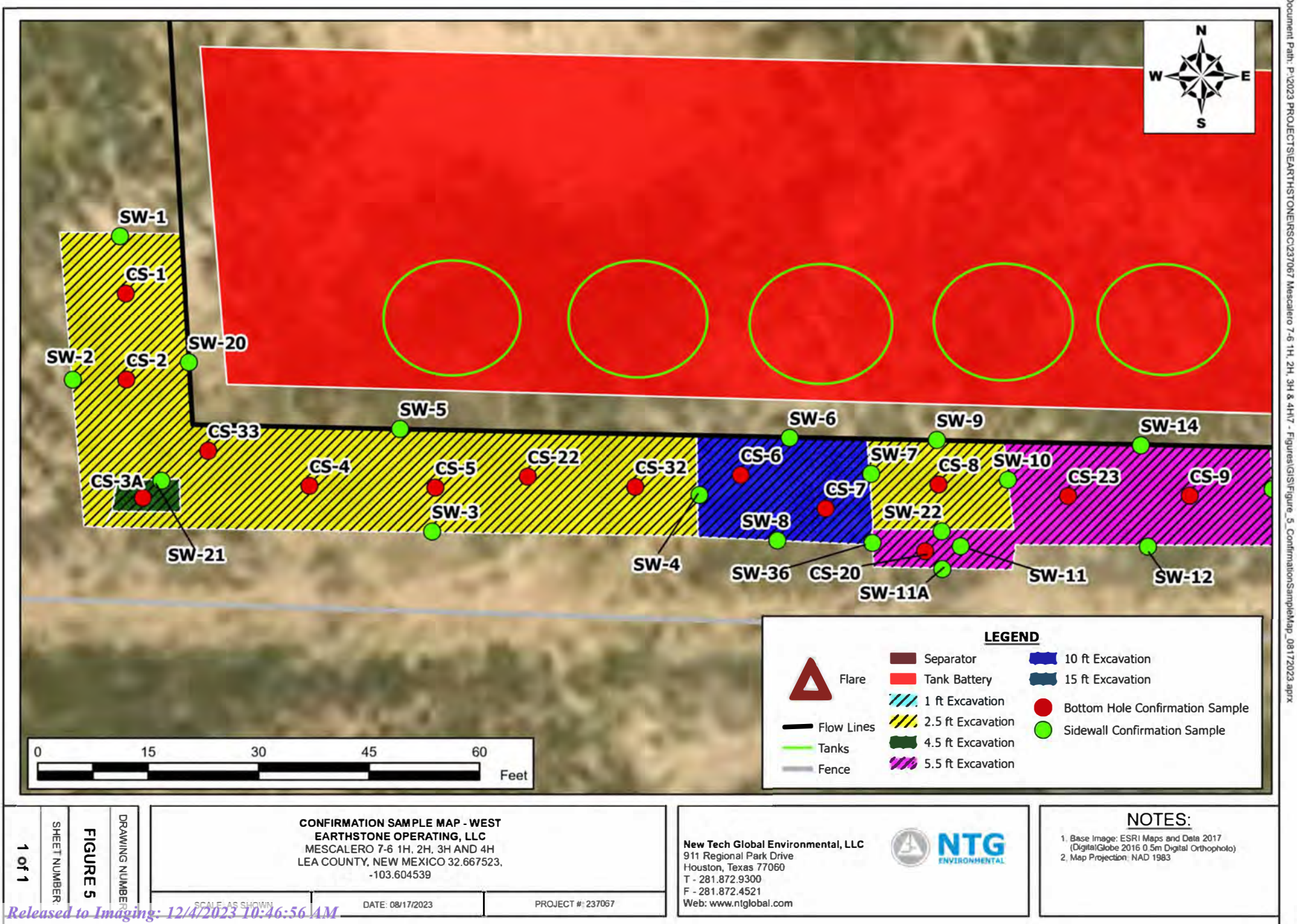
1 of 1	SHEET NUMBER	DRAWING NUMBER	FIGURE 4	<b>EXCAVATION OVERVIEW MAP</b> <b>EARTHSTONE OPERATING, LLC</b> Mescalero 7-6 1H, 2H, 3H AND 4H LEA COUNTY, NEW MEXICO 32.667523, -103.604539		
				SCALE: AS SHOWN	DATE: 08/17/2023	PROJECT #: 237067

**New Tech Global Environmental, LLC**  
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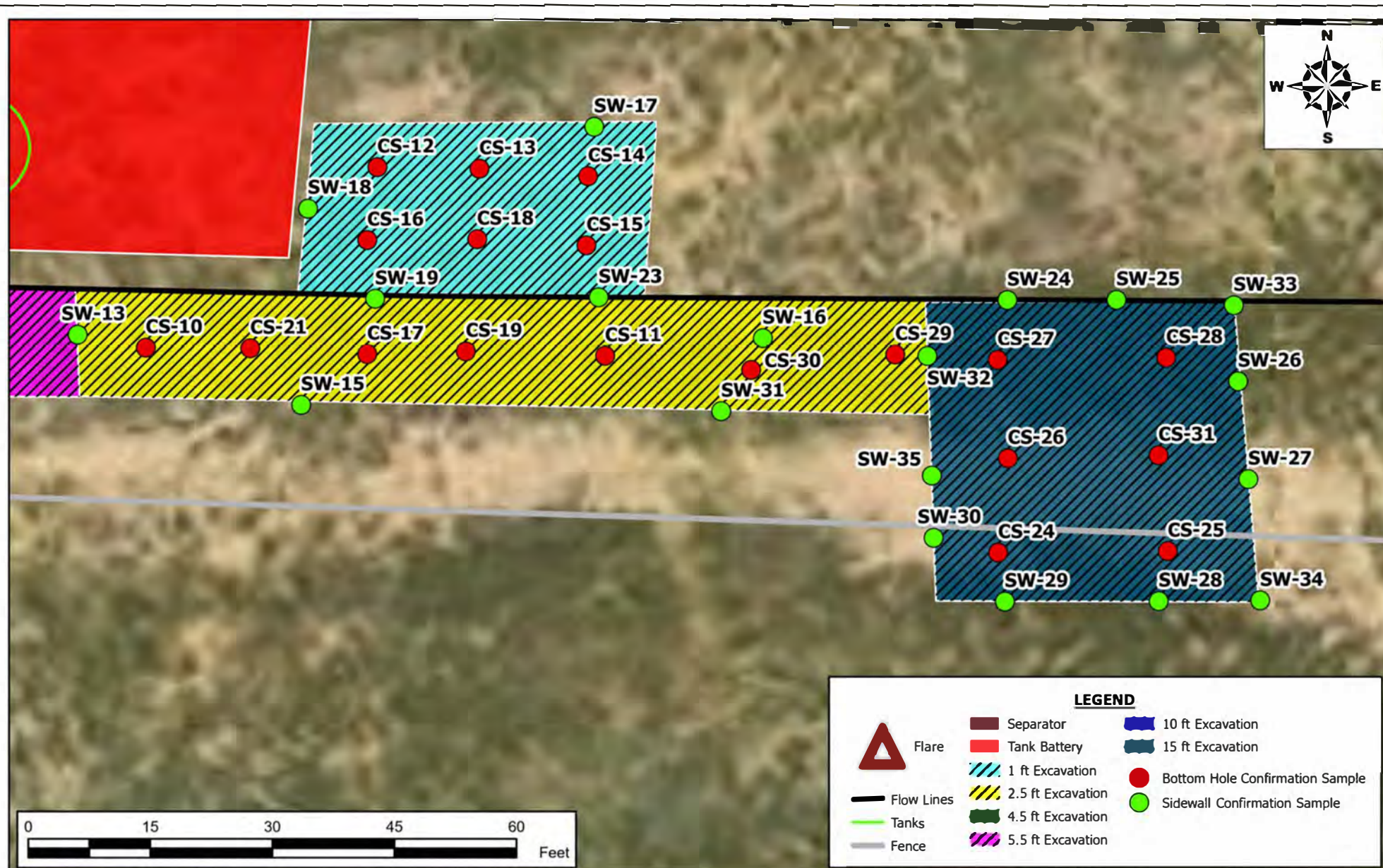
**NOTES:**

1. Base Image: ESRI Maps and Data 2017 (DigitalGlobe 2016 0.5m Digital Orthophoto)
2. Map Projection: NAD 1983









**CONFIRMATION SAMPLE MAP - EAST**  
**EARTHSTONE OPERATING, LLC**  
 Mescalero 7-6 1H, 2H, 3H AND 4H  
 LEA COUNTY, NEW MEXICO 32.667523,  
 -103.604539

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#### NOTES:

1. Base Image: ESRI Maps and Data 2017 (DigitalGlobe 2016 0.5m Digital Orthophoto)
2. Map Projection: NAD 1983

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# TABLES

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**Table 1**  
**Summary of Soil Analytical Data - Delineation Samples**  
**Mescalero 7-6 1H, 2H, 3H, & 4H**  
**Earthstone Operating, LLC**  
**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	MRO (C28-C35)	Total GRO/DRO/MRO		
			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
Assessment Samples														
S-1	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192	
S-2	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208	
S-3	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	942	942	188	1130	8400	
S-3	4/11/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	23.8	23.8	<10.0	23.8	4660	
S-3	4/11/2023	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208	
S-4	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	340	340	75.2	415.2	16600	
S-4	4/11/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	36.5	36.5	<10.0	36.5	3360	
S-4	4/11/2023	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	64.6	64.6	<10.0	64.6	5360	
S-4	4/11/2023	(3-3.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2440	
S-4	4/11/2023	(4-4.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2560	
S-4	4/11/2023	(5-5.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2200	
S-4	4/11/2023	(6-6.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1360	
S-4	4/11/2023	(7-7.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1200	
S-4	4/11/2023	(8-8.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576	
S-5	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	122	
S-6	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1400	
S-6	4/11/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384	
S-7	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	85.5	85.5	<10.0	85.5	688	
S-7	4/11/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	65.5	65.5	<10.0	65.5	3680	
S-7	4/11/2023	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	96.7	96.7	<10.0	96.7	2080	
S-7	4/11/2023	(3-3.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.6	11.6	<10.0	11.6	2400	
S-7	4/11/2023	(4-4.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2200	
S-7	4/11/2023	(5-5.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2400	
S-7	4/11/2023	(6-6.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2640	
S-7	4/11/2023	(7-7.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2560	
S-7	4/11/2023	(8-8.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2680	
S-7	4/11/2023	(9-9.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6800	
S-7	4/11/2023	(10-10.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2520	
S-7	4/11/2023	(11-11.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304	
S-8	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	209	209	28.1	237.1	3320	
S-8	4/11/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1920	
S-8	4/11/2023	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2960	
S-8	4/11/2023	(3-3.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3400	
S-8	4/11/2023	(4-4.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3280	
S-8	4/11/2023	(5-5.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3760	
S-8	4/11/2023	(6-6.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8080	
S-8	4/11/2023	(7-7.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4400	
S-8	4/11/2023	(8-8.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3200	
S-8	4/11/2023	(9-9.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1250	
S-8	4/11/2023	(10-10.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	672	
S-8	4/11/2023	(11-11.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528	
H-1	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448	
H-2	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
H-3	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208	

**Table 1**  
**Summary of Soil Analytical Data - Delineation Samples**  
**Mescalero 7-6 1H, 2H, 3H, & 4H**  
**Earthstone Operating, LLC**  
**Lea, County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6 C10)	DRO (C10-C28)	GRO + DRO	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC										
10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg			
H-4	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
H-5	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
H-6	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
H-7	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
H-8	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
H-9	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
H-10	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
H-11	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
H-12	5/10/2023	6"	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
H-13	5/10/2023	6"	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
H-14	5/10/2023	6"	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112

## Notes:

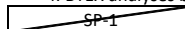
- Values reported in mg/kg
- < = Value Less Than Reporting Limit (RL)
- Bold indicates Analyte Detected
- BTEX analyses by EPA Method SW 8021B

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

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

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

9. --- Not Analyzed

 Sample Point Excavated



**Table 2**  
**Summary of Soil Analytical Data - Confirmation Samples**  
**Mescalero 7-6 1H, 2H, 3H, & 4H**  
**Earthstone Operating, LLC**  
**Lea, County, New Mexico**

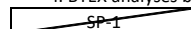
Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C-10)	DRO (C10-C28)	GRO + DRO	MRO (C28-C35)	Total GRO/DRO/MRO		
			Table I Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg		600 mg/kg
Confirmation Bottom Hole Samples														
CS-1	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112	
CS-2	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496	
CS-3	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	656	
CS-3A	6/2/2023	4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
CS-4	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192	
CS-5	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272	
CS-6	5/10/2023	10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112	
CS-7	5/10/2023	10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480	
CS-8	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160	
CS-9	5/10/2023	5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
CS-10	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112	
CS-11	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
CS-12	5/10/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128	
CS-13	5/10/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112	
CS-14	5/10/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
CS-15	5/10/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64	
CS-16	5/10/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64	
CS-17	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
CS-18	5/10/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64	
CS-19	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
CS-20	6/2/2023	5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80	
CS-21	6/2/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16.2	16.2	<10.0	16.2	64	
CS-22	6/2/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
CS-23	6/2/2023	5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
CS-24	6/6/2023	15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64	
CS-25	6/6/2023	15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128	
CS-26	6/6/2023	15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320	
CS-27	6/6/2023	15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224	
CS-28	6/6/2023	15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96	
CS-29	6/6/2023	2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
CS-30	6/6/2023	2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
CS-31	6/12/2023	15	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448	
CS-32	6/12/2023	2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160	
CS-33	6/12/2023	2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512	
Confirmation Sidewall Samples														
SW-1	5/10/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144	
SW-2	5/10/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
SW-3	5/10/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
SW-4	5/10/2023	2.5'-10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.2	<10.0	<10.0	<10.0	192	
SW-5	5/10/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160	
SW-6	5/10/2023	0'-10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288	
SW-7	5/10/2023	2.5'-10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512	
SW-8	5/10/2023	0'-10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208	
SW-9	5/10/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208	

**Table 2**  
**Summary of Soil Analytical Data - Confirmation Samples**  
**Mescalero 7-6 1H, 2H, 3H, & 4H**  
**Earthstone Operating, LLC**  
**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	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
SW-10	5/10/2023	2.5'-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
<del>SW-11</del>	<del>5/10/2023</del>	<del>0-2.5'</del>	<0.050	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	832
SW-11A	6/2/2023	0-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SW-12	5/10/2023	0-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW-13	5/10/2023	2.5'-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW-14	5/10/2023	0-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-15	5/10/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
<del>SW-16</del>	<del>5/10/2023</del>	<del>0-2.5'</del>	<0.050	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>32.0</del>
SW-17	5/10/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-18	5/10/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW-19	5/10/2023	1'-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
SW-20	5/10/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-21	6/2/2023	2.5'-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-22	6/2/2023	2.5-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW-23	6/6/2023	1'-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW-24	6/6/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256.0
SW-25	6/6/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144.0
SW-26	6/6/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576.0
SW-27	6/6/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112.0
SW-28	6/6/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW-29	6/6/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112.0
SW-30	6/6/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW-31	6/6/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW-32	6/6/2023	2.5'-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-33	6/12/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	114.0
SW-34	6/12/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144.0
SW-35	6/12/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144.0
SW-36	6/12/2023	5.5-10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	36.0

**Notes:**

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

 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).
9. --- Not Analyzed

# ATTACHMENT A: SITE CHARACTERIZATION DOCUMENTATION

---





# Site Characterization Map

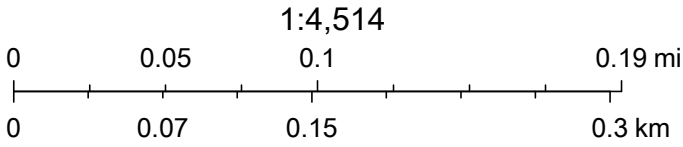


8/17/2023, 1:26:33 PM

Site Location

Karst Occurrence Potential

Low



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

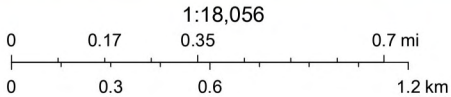


OSE POD Locations Map



6/1/2023, 3:49:47 PM

- OSE District Boundary
- New Mexico State Trust Lands
- Water Right Regulations
- Both Estates
- Closure Area
- SiteBoundaries



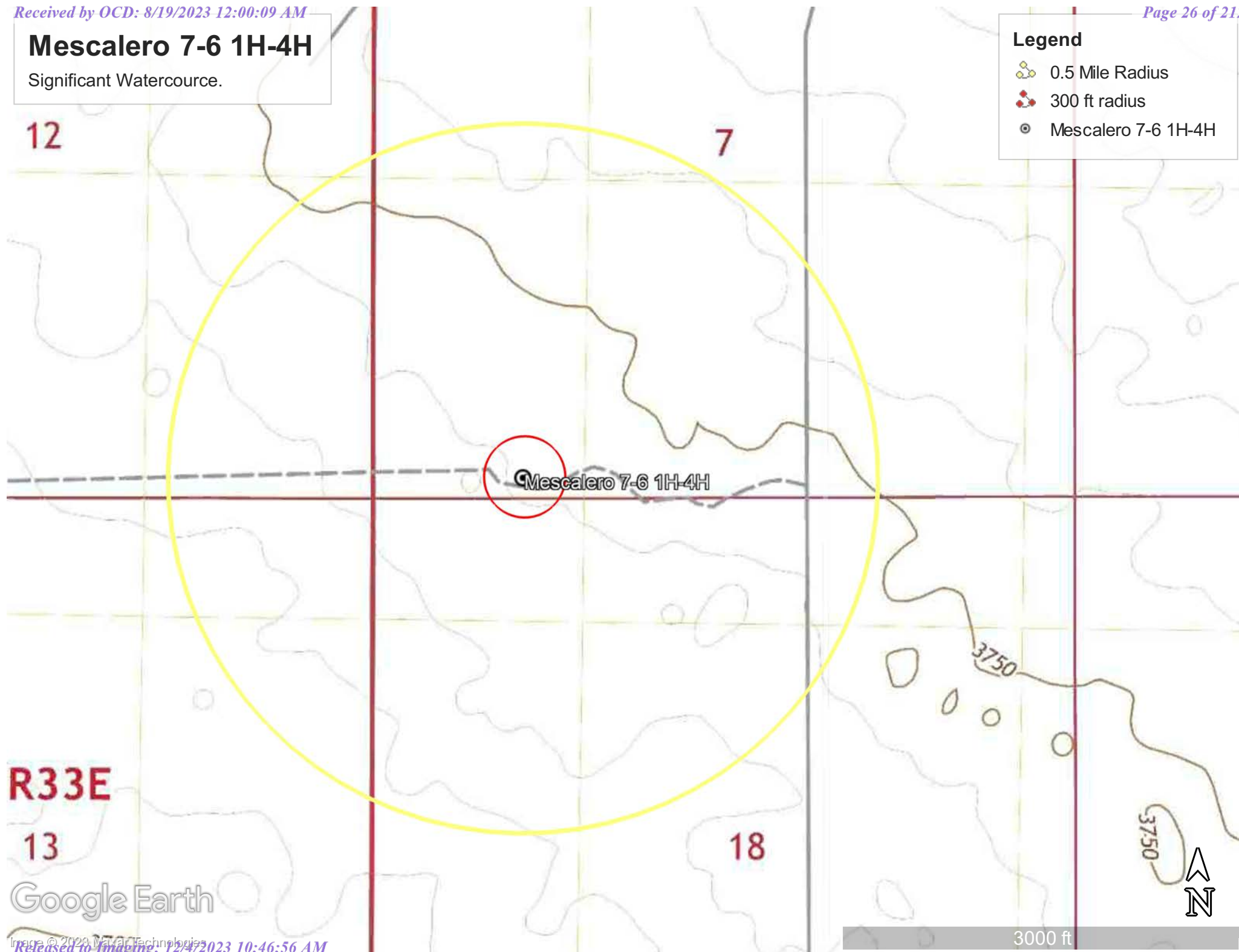
Esri, HERE, IPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, IPC, Maxar

# Mescalero 7-6 1H-4H

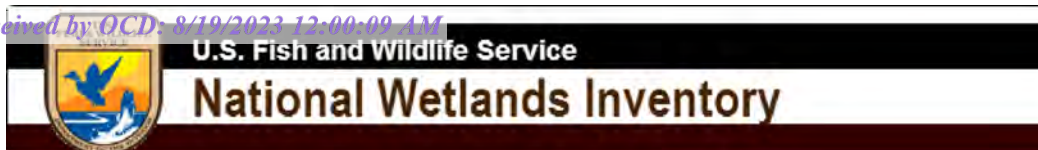
Significant Watercourse.

## Legend

- 0.5 Mile Radius
- 300 ft radius
- Mescalero 7-6 1H-4H







## Mescalero



May 30, 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.



# National Flood Hazard Layer FIRMette



103°36'35"W 32°40'19"N



Released to Imaging: 12/4/2023 10:46:56 AM

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

## 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
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Profile Baseline
		Hydrographic Feature
		Digital Data Available
		No Digital Data Available
		Unmapped



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

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 5/30/2023 at 4:00 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.



# **ATTACHMENT B: CONFIRMATION SAMPLING NOTIFICATIONS**

---



**From:** [Enviro, OCD, EMNRD](#)  
**To:** [Ricardo Baer](#)  
**Cc:** [Bratcher, Michael, EMNRD](#); [Nobui, Jennifer, EMNRD](#)  
**Subject:** RE: [EXTERNAL] Mescalero 7-6 1H, 2H, 3H & 4H  
**Date:** Thursday, May 4, 2023 9:22:05 AM  
**Attachments:** [image003.png](#)

---

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Ricardo,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

**Jocelyn Harimon** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
1220 South St. Francis Drive | Santa Fe, NM 87505  
(505)469-2821 | [Jocelyn.Harimon@emnrd.nm.gov](mailto:Jocelyn.Harimon@emnrd.nm.gov)  
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



---

**From:** Ricardo Baer <RBaer@ntglobal.com>  
**Sent:** Wednesday, May 3, 2023 10:41 AM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Cc:** Becky Haskell <bhaskell@ntglobal.com>; NTG Env Carlsbad <ntg\_env\_carlsbad@ntglobal.com>  
**Subject:** [EXTERNAL] Mescalero 7-6 1H, 2H, 3H & 4H

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning,

NTGE, on behalf of Earthstone Operating, LLC, respectfully submits notification of sampling to be conducted at the below location.

Mescalero 7-6 1H, 2H, 3H & 4H  
M-07-19S-23E  
Lea County, NM  
nAPP2305947643

Sampling will begin at 8:00 a.m. on Monday, May 8, 2023, and continue through Friday, May 12, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO<sup>2</sup>

Project Scientist

(432) 556-2006

[Rbaer@ntglobal.com](mailto:Rbaer@ntglobal.com)



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## Becky Haskell

---

**From:** Ricardo Baer  
**Sent:** Wednesday, May 24, 2023 1:59 PM  
**To:** ocd.enviro@emnrd.nm.gov; NTG Env Carlsbad  
**Cc:** Becky Haskell  
**Subject:** FW: [EXTERNAL] Mescalero 7-6 1H, 2H, 3H & 4H

Good afternoon,

NTGE, on behalf of Earthstone Operating, LLC, respectfully submits notification of sampling to be conducted at the below location.

Mescalero 7-6 1H, 2H, 3H & 4H  
M-07-19S-23E  
Lea County, NM  
nAPP2305947643

Sampling will begin at 8:00 a.m. on Monday, May 29, 2023, and continue through Friday, June 2, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO<sup>2</sup>  
Project Scientist  
(432) 556-2006  
[Rbaer@ntglobal.com](mailto:Rbaer@ntglobal.com)



**From:** [Buchanan, Michael, EMNRD](#)  
**To:** [Ricardo Baer; Enviro, OCD, EMNRD](#)  
**Cc:** [Becky Haskell; NTG Env Carlsbad; Jeff Kindley; Velez, Nelson, EMNRD](#)  
**Subject:** RE: [EXTERNAL] Mescalero 7-6 1H, 2H, 3H & 4H  
**Date:** Thursday, June 1, 2023 5:00:22 PM  
**Attachments:** [image001.png](#)

---

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Good afternoon, Mr. Baer

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Regards,

**Mike Buchanan** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
8801 Horizon Blvd. NE | Albuquerque, NM 87113  
| [michael.buchanan@emnrd.nm.gov](mailto:michael.buchanan@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/oecd>



---

**From:** Ricardo Baer <RBaer@ntglobal.com>  
**Sent:** Wednesday, May 31, 2023 1:30 PM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Cc:** Becky Haskell <bhaskell@ntglobal.com>; NTG Env Carlsbad <ntg\_env\_carlsbad@ntglobal.com>; Jeff Kindley <jkindley@ntglobal.com>  
**Subject:** [EXTERNAL] Mescalero 7-6 1H, 2H, 3H & 4H

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Good afternoon,

NTGE, on behalf of Earthstone Operating, LLC, respectfully submits notification of sampling to be conducted at the below location.

Mescalero 7-6 1H, 2H, 3H & 4H  
M-07-19S-23E  
Lea County, NM  
nAPP2305947643

Sampling will begin at 8:00 a.m. on Monday, June 5, 2023, and continue through Friday, June 9, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO<sup>2</sup>  
Project Scientist  
(432) 556-2006  
[Rbaer@ntglobal.com](mailto:Rbaer@ntglobal.com)



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**From:** [Enviro, OCD, EMNRD](#)  
**To:** [Ricardo Baer](#)  
**Cc:** [Bratcher, Michael, EMNRD](#); [Velez, Nelson, EMNRD](#)  
**Subject:** RE: [EXTERNAL] Mescalero 7-6 1H, 2H, 3H & 4H  
**Date:** Wednesday, June 7, 2023 4:56:13 PM  
**Attachments:** [image003.png](#)

---

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Ricardo,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

**Jocelyn Harimon** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
1220 South St. Francis Drive | Santa Fe, NM 87505  
(505)469-2821 | [Jocelyn.Harimon@emnrd.nm.gov](mailto:Jocelyn.Harimon@emnrd.nm.gov)  
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



---

**From:** Ricardo Baer <RBaer@ntglobal.com>  
**Sent:** Wednesday, June 7, 2023 2:28 PM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Cc:** Becky Haskell <bhaskell@ntglobal.com>; NTG Env Carlsbad <ntg\_env\_carlsbad@ntglobal.com>  
**Subject:** [EXTERNAL] Mescalero 7-6 1H, 2H, 3H & 4H

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon,

NTGE, on behalf of Earthstone Operating, LLC, respectfully submits notification of sampling to be conducted at the below location.

Mescalero 7-6 1H, 2H, 3H & 4H  
M-07-19S-23E  
Lea County, NM

nAPP2305947643

Sampling will begin at 8:00 a.m. on Monday, June 12, 2023, and continue through Friday, June 16, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO<sup>2</sup>

Project Scientist

(432) 556-2006

[Rbaer@ntglobal.com](mailto:Rbaer@ntglobal.com)



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## ATTACHMENT C: PHOTOGRAPHIC LOG

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**PHOTOGRAPHIC LOG**

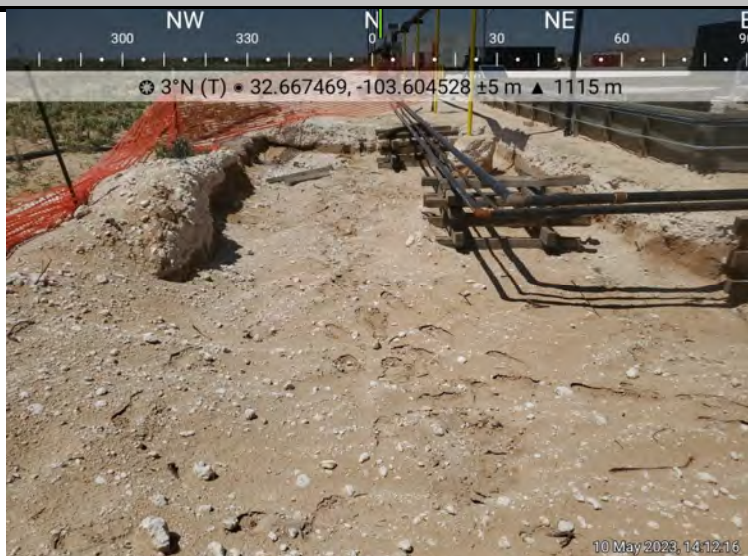
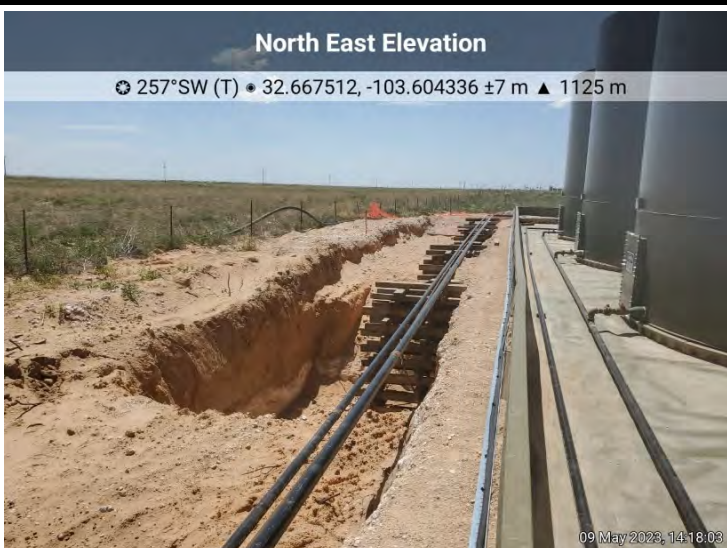
Earthstone Operating, LLC

**Photograph No. 1****Facility:** Mescalero 7-6 1H, 2H, 3H & 4H**County:** Lea County, New Mexico**Description:**  
Area of Concern.**Photograph No. 2****Facility:** Mescalero 7-6 1H, 2H, 3H & 4H**County:** Lea County, New Mexico**Description:**  
Area of Concern.**Photograph No. 3****Facility:** Mescalero 7-6 1H, 2H, 3H & 4H**County:** Lea County, New Mexico**Description:**  
Area of Concern.



**PHOTOGRAPHIC LOG**

Earthstone Operating, LLC

**Photograph No. 4****Facility:** Mescalero 7-6 1H, 2H, 3H & 4H**County:** Lea County, New Mexico**Description:**  
Excavation.**Photograph No. 5****Facility:** Mescalero 7-6 1H, 2H, 3H & 4H**County:** Lea County, New Mexico**Description:**  
Excavation.**Photograph No. 6****Facility:** Mescalero 7-6 1H, 2H, 3H & 4H**County:** Lea County, New Mexico**Description:**  
Excavation.

**PHOTOGRAPHIC LOG****Earthstone Operating, LLC****Photograph No. 7****Facility:** Mescalero 7-6 1H, 2H, 3H & 4H**County:** Lea County, New Mexico**Description:**  
Backfill progress.**Photograph No. 8****Facility:** Mescalero 7-6 1H, 2H, 3H & 4H**County:** Lea County, New Mexico**Description:**  
Backfill progress.**Photograph No. 9****Facility:** Mescalero 7-6 1H, 2H, 3H & 4H**County:** Lea County, New Mexico**Description:**  
Construction of the berm.

# **ATTACHMENT D: LABORATORY ANALYTICAL REPORTS AND CHAIN-OF- CUSTODY DOCUMENTATION**

---







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

---

April 18, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: MESCALERO

Enclosed are the results of analyses for samples received by the laboratory on 04/12/23 13:41.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

**Sample ID: S - 1 (0-.5) (H231740-01)**

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	04/15/2023	ND	1.81	90.6	2.00	4.36		
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34		
Total BTX	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/17/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	188	93.9	200	1.40	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	214	107	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: Mescalero  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 2 (0-.5) (H231740-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.81	90.6	2.00	4.36		
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34		
Total BTEX	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	04/17/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	188	93.9	200	1.40	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	214	107	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received: 04/12/2023  
Reported: 04/18/2023  
Project Name: MESCALERO  
Project Number: 237067  
Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S - 3 (0-.5) (H231740-03)**

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	04/15/2023	ND	1.81	90.6	2.00	4.36		
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34		
Total BTX	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8400	16.0	04/17/2023	ND	416	104	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	188	93.9	200	1.40	
DRO >C10-C28*	942	10.0	04/15/2023	ND	214	107	200	1.71	
EXT DRO >C28-C36	188	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received: 04/12/2023  
Reported: 04/18/2023  
Project Name: MESCALERO  
Project Number: 237067  
Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S - 3 (1-1.5) (H231740-04)**

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	04/15/2023	ND	1.81	90.6	2.00	4.36		
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34		
Total BTX	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4660	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	188	93.9	200	1.40	
DRO >C10-C28*	23.8	10.0	04/15/2023	ND	214	107	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: Mescalero  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 3 (2-2.5) (H231740-05)**

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	04/15/2023	ND	1.81	90.6	2.00	4.36		
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34		
Total BTX	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	188	93.9	200	1.40	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	214	107	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 4 (0-.5) (H231740-06)**

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	04/15/2023	ND	1.81	90.6	2.00	4.36	
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34	
Total BTX	<0.300	0.300	04/15/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16600	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	188	93.9	200	1.40	
DRO >C10-C28*	340	10.0	04/15/2023	ND	214	107	200	1.71	
EXT DRO >C28-C36	75.2	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 4 (1-1.5) (H231740-07)**

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	04/15/2023	ND	1.81	90.6	2.00	4.36		
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34		
Total BTX	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3360	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	188	93.9	200	1.40	
DRO >C10-C28*	36.5	10.0	04/15/2023	ND	214	107	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: Mescalero  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 4 (2-2.5) (H231740-08)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.81	90.6	2.00	4.36		
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34		
Total BTX	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5360	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	188	93.9	200	1.40	
DRO >C10-C28*	64.6	10.0	04/15/2023	ND	214	107	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 4 (3-3.5) (H231740-09)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	ND	1.81	90.6	2.00	4.36	
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34	
Total BTEx	<0.300	0.300	04/15/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2440	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	188	93.9	200	1.40	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	214	107	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: Mescalero  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 4 (4-4.5) (H231740-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.81	90.6	2.00	4.36		
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34		
Total BTEX	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2560	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	188	93.9	200	1.40	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	214	107	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 144 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 4 (5-5.5) (H231740-11)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.81	90.6	2.00	4.36		
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34		
Total BTX	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2200	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	188	93.9	200	1.40	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	214	107	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 4 (6-6.5) (H231740-12)**

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	04/15/2023	ND	1.81	90.6	2.00	4.36	
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34	
Total BTX	<0.300	0.300	04/15/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1360	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	188	93.9	200	1.40	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	214	107	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 4 (7-7.5) (H231740-13)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.81	90.6	2.00	4.36		
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34		
Total BTX	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1200	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	188	93.9	200	1.40	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	214	107	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 148 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received: 04/12/2023  
Reported: 04/18/2023  
Project Name: MESCALERO  
Project Number: 237067  
Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/12/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S - 4 (8-8.5) (H231740-14)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.81	90.6	2.00	4.36		
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34		
Total BTX	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 5 (0-.5) (H231740-15)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTX	<0.300	0.300	04/15/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 6 (0-.5) (H231740-16)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTX	<0.300	0.300	04/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1400	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: Mescalero  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 6 (1-1.5) (H231740-17)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received: 04/12/2023  
Reported: 04/18/2023  
Project Name: Mescalero  
Project Number: 237067  
Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S - 7 (0-.5) (H231740-18)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.80	90.1	2.00	0.0933		
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570		
Total BTEX	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	85.8	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 7 (1-1.5) (H231740-19)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTX	<0.300	0.300	04/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3680	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	65.5	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received: 04/12/2023  
Reported: 04/18/2023  
Project Name: MESCALERO  
Project Number: 237067  
Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S - 7 (2-2.5) (H231740-20)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEx	<0.300	0.300	04/15/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2080	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	96.7	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received: 04/12/2023  
Reported: 04/18/2023  
Project Name: MESCALERO  
Project Number: 237067  
Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S - 7 (3-3.5) (H231740-21)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTX	<0.300	0.300	04/15/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2400	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	11.6	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: Mescalero  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 7 (4-4.5) (H231740-22)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2200	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 7 (5-5.5) (H231740-23)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2400	16.0	04/17/2023	ND	416	104	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 7 (6-6.5) (H231740-24)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEx	<0.300	0.300	04/15/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	04/17/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received: 04/12/2023  
Reported: 04/18/2023  
Project Name: MESCALERO  
Project Number: 237067  
Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S - 7 (7-7.5) (H231740-25)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEx	<0.300	0.300	04/15/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2560	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: Mescalero  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 7 (8-8.5) (H231740-26)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2680	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 7 (9-9.5) (H231740-27)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEx	<0.300	0.300	04/15/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6800	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 7 (10-10.5) (H231740-28)**

BTX 8021B			mg/kg		Analyzed By: JH/				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTX	<0.300	0.300	04/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B			mg/kg		Analyzed By: GM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2520	16.0	04/17/2023	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 7 (11-11.5) (H231740-29)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTX	<0.300	0.300	04/15/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received: 04/12/2023  
Reported: 04/18/2023  
Project Name: MESCALERO  
Project Number: 237067  
Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S - 8 (0-.5) (H231740-30)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTX	<0.300	0.300	04/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3320	16.0	04/17/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	209	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	28.1	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 8 (1-1.5) (H231740-31)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEx	<0.300	0.300	04/15/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 8 (2-2.5) (H231740-32)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTX	<0.300	0.300	04/15/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2960	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received: 04/12/2023  
Reported: 04/18/2023  
Project Name: MESCALERO  
Project Number: 237067  
Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S - 8 (3-3.5) (H231740-33)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTX	<0.300	0.300	04/15/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3400	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: Mescalero  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 8 (4-4.5) (H231740-34)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	04/17/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 8 (5-5.5) (H231740-35)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	ND	1.99	99.5	2.00	0.980	QR-03
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947	QR-03
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891	QR-03
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52	QR-03
Total BTX	<0.300	0.300	04/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3760	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 8 (6-6.5) (H231740-36)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.99	99.5	2.00	0.980		
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52		
Total BTX	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8080	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 8 (7-7.5) (H231740-37)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.99	99.5	2.00	0.980		
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52		
Total BTEx	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 8 (8-8.5) (H231740-38)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	ND	1.99	99.5	2.00	0.980	
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52	
Total BTX	<0.300	0.300	04/15/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3200	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 94.9 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 8 (9-9.5) (H231740-39)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	ND	1.99	99.5	2.00	0.980	
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52	
Total BTX	<0.300	0.300	04/15/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1250	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received: 04/12/2023  
Reported: 04/18/2023  
Project Name: Mescalero  
Project Number: 237067  
Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/12/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S - 8 (10-10.5) (H231740-40)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.99	99.5	2.00	0.980		
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52		
Total BTEX	<0.300	0.300	04/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 8 (11-11.5) (H231740-41)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.99	99.5	2.00	0.980		
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52		
Total BTX	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 1 (0-5) (H231740-42)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.99	99.5	2.00	0.980		
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52		
Total BTEx	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	04/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received: 04/12/2023  
Reported: 04/18/2023  
Project Name: Mescalero  
Project Number: 237067  
Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: H - 2 (0-5) (H231740-43)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.99	99.5	2.00	0.980		
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52		
Total BTEX	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/17/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: Mescalero  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 3 (0-5) (H231740-44)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.99	99.5	2.00	0.980		
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52		
Total BTEX	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	04/17/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 78.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 4 (0-5) (H231740-45)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.99	99.5	2.00	0.980		
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52		
Total BTX	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/17/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 5 (0-5) (H231740-46)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.99	99.5	2.00	0.980		
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52		
Total BTEx	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/17/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 6 (0-5) (H231740-47)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.99	99.5	2.00	0.980		
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52		
Total BTEx	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/17/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: Mescalero  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 7 (0-5) (H231740-48)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.99	99.5	2.00	0.980		
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52		
Total BTEX	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	04/17/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received: 04/12/2023  
Reported: 04/18/2023  
Project Name: MESCALERO  
Project Number: 237067  
Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: H - 8 (0-5) (H231740-49)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.99	99.5	2.00	0.980		
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52		
Total BTEx	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	04/17/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: MESCALERO  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 9 (0-5) (H231740-50)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.99	99.5	2.00	0.980		
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52		
Total BTX	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/17/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 73.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.1 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: Mescalero  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 10 (0-5) (H231740-51)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.99	99.5	2.00	0.980		
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52		
Total BTEX	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	04/17/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 73.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 04/12/2023  
 Reported: 04/18/2023  
 Project Name: Mescalero  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 11 (0-5) (H231740-52)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.99	99.5	2.00	0.980		
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52		
Total BTEx	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	04/17/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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

---

Celey D. Keene, Lab Director/Quality Manager



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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476							<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>		
Company Name: NTE							P.O. #:				
Project Manager: Rodney L. Saylor							Company:				
Address: 402 E Wood Ave							Attn:				
City: Carlisle							Address:				
Phone #: 432-924-8050 Fax #:							City:				
Project #: 237067 Project Owner: EastStone							State:				
Project Location: Lea County							Zip:				
Sampler Name: Tyler Campbell							Phone #:				
FOR LAB USE ONLY							Fax #:				
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		PRESERV. ACID/BASE: ICE / COOL OTHER :		DATE & TIME SAMPLING	
H231740		S-1 (2-S)		X							
1		S-2 (0-S)									
3		S-3 (0-S)									
4		S-3 (1-1.5)									
5		S-3 (2-2.5)									
6		S-4 (0-S)									
7		S-4 (1-1.5)									
8		S-4 (2-2.5)									
9		S-4 (3-3.5)									
10		S-4 (4-4.5)									
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Relinquished By: [Signature]				Date: 4-12-23	Received By: [Signature]						
Time: 1:41 PM											
Date: 4-12-23											
Relinquished By: [Signature]											
Time: [Blank]											
Date: [Blank]											
Received By: [Signature]											
Time: [Blank]											
Date: [Blank]											
Remarks: Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:				All Results are emailed. Please provide Email address:							
Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>				Bacteria (only) Sample Condition Cool Intact <input checked="" type="checkbox"/> Observed Temp. °C Corrected Temp. °C							
Thermometer ID #113 Correction Factor -0.5°C											





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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTE					
Project Manager: Rodney Hyslop					
Address: 4102 E Wood Ave					
City: Carlsbad					
State: NM Zip: 88220					
Phone #: 732-924-8856 Fax #:					
Project #: 237067 Project Owner: Earthstone					
Project Name: Mesquite					
Project Location: Los Gatos					
Sampler Name: Tyler Lymball					
FOR LAB USE ONLY					
Lab I.D.					
Sample I.D.					
(G)RAB OR (C)OMP					
# CONTAINERS					
GROUNDWATER					
WASTEWATER					
SOIL					
OIL					
SLUDGE					
OTHER :					
ACID/BASE:					
ICE / COOL					
OTHER :					
DATE TIME					
SAMPLING					
TPT					
Chlorides					
BT EX					





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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> NTC <b>Project Manager:</b> Rodney Haskel <b>Address:</b> 402 E Wood Ave <b>City:</b> Carlsbad <b>State:</b> NM <b>Zip:</b> 88220 <b>Phone #:</b> 505-924-8050 <b>Fax #:</b> <b>Project #:</b> 237067 <b>Project Owner:</b> Eastshore <b>Project Name:</b> Mesquite <b>Project Location:</b> Lea County <b>Sample Name:</b> Taylor Lehighwell <b>FOR LAB USE ONLY</b>		<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>		<b>ANALYSIS REQUEST</b>	
<b>Lab I.D.</b> H231740 31 32 33 34 35 36 37 38 39 40	<b>Sample I.D.</b> 5-7 (3-3.5) 5-7 (4-4.5) 5-7 (5-5.5) 5-7 (6-6.5) 5-7 (7-7.5) 5-7 (8-8.5) 5-7 (9-9.5) 5-7 (10-10.5) 5-7 (11-11.5) 5-8 (10-10.5)	(G) RAB OR (C) OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	MATRIX PRESERV SAMPLING	DATE/TIME 4-11-11 4-11 4-11 4-11 4-11 4-12 4-12 4-12 4-12 4-11	TPH Chlorides BTEX
<b>PLEASE NOTE:</b> Liability and Damages: Cardinal's liability and client's retention remedy for any claim arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above listed reasons or otherwise, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 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 services rendered by Cardinal, regardless of whether such claim is based upon any of the above listed reasons or otherwise.					
<b>Relinquished By:</b> [Signature] <b>Relinquished By:</b> [Signature] <b>Date:</b> 4-12-23 <b>Received By:</b> [Signature] <b>Time:</b> 1:41 pm <b>Received By:</b> [Signature] <b>Date:</b> [Signature] <b>Time:</b>		<b>REMARKS:</b> Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address:			
<b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other:		<b>Observed Temp. °C</b> Corrected Temp. °C 1.2 0.6		<b>Sample Condition</b> Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>CHECKED BY:</b> (Initials) T.E.	
Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush Thermometer ID #113 Correction Factor -0.5°C		Bacteria (only) <input checked="" type="checkbox"/> Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Sample Condition Observed Temp. °C Corrected Temp. °C			

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





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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> NTC <b>Project Manager:</b> Beth Hinkel <b>Address:</b> 402 E Wood Ave <b>City:</b> Carlsbad <b>State:</b> NM <b>Zip:</b> 88220 <b>Phone #:</b> 432-924-8050 <b>Fax #:</b> <b>Project #:</b> 237067 <b>Project Owner:</b> EastStone <b>Project Name:</b> Mesquite <b>Project Location:</b> Lea County <b>Sampler Name:</b> Tyler Leibel <b>FOR LAB USE ONLY</b>		<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>	
<b>Lab I.D.</b> <b>Sample I.D.</b>		<b>ANALYSIS REQUEST</b>	
<b>PLEASE NOTE:</b> 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 the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		<b>DATE</b> <b>TIME</b>	
<b>Relinquished By:</b> [Signature] <b>Date:</b> 4-12-23 <b>Received By:</b> [Signature] <b>Date:</b> 4-11-23 <b>Time:</b> 1:41 PM <b>Received By:</b> [Signature]		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b> <b>REMARKS:</b> All Results are emailed. Please provide Email address:	
<b>Delivered By: (Circle One)</b> <b>Sampler - UPS - Bus - Other:</b>		<b>Observed Temp. °C</b> 1.2 <b>Corrected Temp. °C</b> 0.6 <b>Sample Condition</b> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <b>CHECKED BY:</b> [Signature] <b>Turnaround Time:</b> Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> <b>Thermometer ID #113</b> <b>Correction Factor -0.6°C</b> <b>Bacteria (only) Sample Condition</b> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Observed Temp. °C</b> <b>Corrected Temp. °C</b>	
<b>FORM 000 R-33 07/18/22</b>		<b>† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinalhhsnm.com</b>	





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 59 of 60





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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> NTC <b>Project Manager:</b> Boby Hsueh <b>Address:</b> 402 E Wood Ave <b>City:</b> Carlsbad <b>State:</b> NM <b>Zip:</b> 88220 <b>Phone #:</b> 505-924-8050 <b>Fax #:</b> <b>Project #:</b> 237067 <b>Project Owner:</b> Endstone <b>Project Name:</b> Mesquero <b>Project Location:</b> Lea County <b>Sampler Name:</b> Taylor Leibel <b>FOR LAB USE ONLY</b>		<b>P.O. #:</b> <b>Company:</b> <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>	
<b>Lab I.D.</b> H231740 57 52		<b>Sample I.D.</b> H-10 (O.S) H-11 (O.S)	
<b>PLEASE NOTE:</b> 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 the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		<b>DATE/TIME</b> 4/22/11 4/24-11	
<b>Relinquished By:</b> <i>[Signature]</i> <b>Relinquished By:</b> <i>[Signature]</i>		<b>Received By:</b> <i>[Signature]</i>	
<b>Delivered By: (Circle One)</b> <b>Sampler - UPS - Bus - Other:</b>		<b>Observed Temp. °C</b> 1.3 <b>Corrected Temp. °C</b> 0.6	
<b>Sample Condition:</b> Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		<b>CHECKED BY:</b> <i>[Signature]</i>	
<b>Turnaround Time:</b> <b>Thermometer ID #13</b> <b>Correction Factor -0.5°C</b>		<b>Standard</b> Rush <input checked="" type="checkbox"/> <b>Bacteria (only) Sample Condition</b> Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
<b>Remarks:</b> All Results are emailed. Please provide Email address:		<b>ANALYSIS REQUEST</b>	
<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:		<b>ANALYSIS REQUEST</b>	

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June 16, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: MESCALERO 7-6

Enclosed are the results of analyses for samples received by the laboratory on 05/11/23 12:10.

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/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,

Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: MESCALERO 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 1 ( 2.5' )	H232356-01	Soil	10-May-23 14:00	11-May-23 12:10
CS - 2 ( 2.5' )	H232356-02	Soil	10-May-23 14:02	11-May-23 12:10
CS - 3 ( 2.5' )	H232356-03	Soil	10-May-23 14:04	11-May-23 12:10
CS - 4 ( 2.5' )	H232356-04	Soil	10-May-23 14:06	11-May-23 12:10
CS - 5 ( 2.5' )	H232356-05	Soil	10-May-23 14:08	11-May-23 12:10
CS - 6 ( 10' )	H232356-06	Soil	10-May-23 14:10	11-May-23 12:10
CS - 7 ( 10' )	H232356-07	Soil	10-May-23 14:12	11-May-23 12:10
CS - 8 ( 2.5' )	H232356-08	Soil	10-May-23 14:14	11-May-23 12:10
CS - 9 ( 5.5' )	H232356-09	Soil	10-May-23 14:16	11-May-23 12:10
CS - 10 ( 2.5' )	H232356-10	Soil	10-May-23 14:18	11-May-23 12:10
CS - 11 ( 2.5' )	H232356-11	Soil	10-May-23 14:20	11-May-23 12:10
CS - 12 ( 1' )	H232356-12	Soil	10-May-23 14:22	11-May-23 12:10
CS - 13 ( 1' )	H232356-13	Soil	10-May-23 14:24	11-May-23 12:10
CS - 14 ( 1' )	H232356-14	Soil	10-May-23 14:26	11-May-23 12:10
CS - 15 ( 1' )	H232356-15	Soil	10-May-23 14:28	11-May-23 12:10
CS - 16 ( 1' )	H232356-16	Soil	10-May-23 14:30	11-May-23 12:10
CS - 17 ( 2.5' )	H232356-17	Soil	10-May-23 14:32	11-May-23 12:10
CS - 18 ( 1' )	H232356-18	Soil	10-May-23 14:34	11-May-23 12:10
CS - 19 ( 2.5' )	H232356-19	Soil	10-May-23 14:36	11-May-23 12:10
H - 12 ( .5' )	H232356-20	Soil	10-May-23 14:38	11-May-23 12:10
H - 13 ( .5' )	H232356-21	Soil	10-May-23 14:40	11-May-23 12:10
H - 14 ( .5' )	H232356-22	Soil	10-May-23 14:42	11-May-23 12:10
SW - 1 ( 0-2.5' )	H232356-23	Soil	10-May-23 14:44	11-May-23 12:10
SW - 2 ( 0-2.5' )	H232356-24	Soil	10-May-23 14:46	11-May-23 12:10
SW - 3 ( 0-2.5' )	H232356-25	Soil	10-May-23 14:48	11-May-23 12:10
SW - 4 ( 2.5'-10' )	H232356-26	Soil	10-May-23 14:50	11-May-23 12:10
SW - 5 ( 0-2.5' )	H232356-27	Soil	10-May-23 14:52	11-May-23 12:10

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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: MESCALERO 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

SW - 6 ( 0-10' )	H232356-28	Soil	10-May-23 14:54	11-May-23 12:10
SW - 7 ( 2.5-10' )	H232356-29	Soil	10-May-23 14:56	11-May-23 12:10
SW - 8 ( 0-10' )	H232356-30	Soil	10-May-23 14:58	11-May-23 12:10
SW - 9 ( 0-2.5' )	H232356-31	Soil	10-May-23 15:00	11-May-23 12:10
SW - 10 ( 2.5'-5.5' )	H232356-32	Soil	10-May-23 15:02	11-May-23 12:10
SW - 11 ( 0-2.5' )	H232356-33	Soil	10-May-23 15:04	11-May-23 12:10
SW - 12 ( 0-5.5' )	H232356-34	Soil	10-May-23 15:06	11-May-23 12:10
SW - 13 ( 2.5'-5.5' )	H232356-35	Soil	10-May-23 15:08	11-May-23 12:10
SW - 14 ( 0-5.5' )	H232356-36	Soil	10-May-23 15:10	11-May-23 12:10
SW - 15 ( 0-2.5' )	H232356-37	Soil	10-May-23 15:12	11-May-23 12:10
SW - 16 ( 0-2.5' )	H232356-38	Soil	10-May-23 15:14	11-May-23 12:10
SW - 17 ( 0-1' )	H232356-39	Soil	10-May-23 15:16	11-May-23 12:10
SW - 18 ( 0-1' )	H232356-40	Soil	10-May-23 15:18	11-May-23 12:10
SW - 19 ( 1'-2.5' )	H232356-41	Soil	10-May-23 15:20	11-May-23 12:10
SW - 20 ( 0-2.5' )	H232356-42	Soil	10-May-23 15:22	11-May-23 12:10

06/02/23 - Client changed the sample IDs for -20, -21 and -22 (see COC). This is the revised report and will replace the one sent on 05/12/23.

06/16/23 - Client changed the sample IDs for -28 and -30 (see COC). This is the 2nd revision of the report and will replace the one sent on 06/02/23.

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**CS - 1 ( 2.5' )****H232356-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	3051219	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		3051126	JH	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

Surrogate: 1-Chlorooctane			111 %	48.2-134		3051133	MS	11-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			121 %	49.1-148		3051133	MS	11-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**CS - 2 ( 2.5' )****H232356-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	496		16.0	mg/kg	4	3051219	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		3051126	JH	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

Surrogate: 1-Chlorooctane			112 %	48.2-134		3051133	MS	11-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			123 %	49.1-148		3051133	MS	11-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**CS - 3 ( 2.5' )****H232356-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	656		16.0	mg/kg	4	3051219	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		3051126	JH	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

Surrogate: 1-Chlorooctane			88.8 %	48.2-134		3051133	MS	11-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			98.2 %	49.1-148		3051133	MS	11-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**CS - 4 ( 2.5' )****H232356-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	192		16.0	mg/kg	4	3051219	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		3051126	JH	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

Surrogate: 1-Chlorooctane			97.7 %	48.2-134		3051133	MS	11-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			106 %	49.1-148		3051133	MS	11-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**CS - 5 ( 2.5' )****H232356-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	272		16.0	mg/kg	4	3051219	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		3051126	JH	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

Surrogate: 1-Chlorooctane			100 %	48.2-134		3051133	MS	11-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			108 %	49.1-148		3051133	MS	11-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**CS - 6 ( 10' )**  
**H232356-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>112</b>		16.0	mg/kg	4	3051219	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	3051126	JH	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

Surrogate: 1-Chlorooctane	93.7 %	48.2-134	3051133	MS	11-May-23	8015B	
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Surrogate: 1-Chlorooctadecane	103 %	49.1-148	3051133	MS	11-May-23	8015B	
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**CS - 7 ( 10' )**  
**H232356-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>480</b>		16.0	mg/kg	4	3051219	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3051126	JH	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

Surrogate: 1-Chlorooctane			97.4 %	48.2-134		3051133	MS	11-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			108 %	49.1-148		3051133	MS	11-May-23	8015B	
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**CS - 8 ( 2.5' )****H232356-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	160		16.0	mg/kg	4	3051219	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		3051126	JH	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

Surrogate: 1-Chlorooctane			105 %	48.2-134		3051133	MS	11-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			117 %	49.1-148		3051133	MS	11-May-23	8015B	
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: MESCALERO 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**CS - 9 ( 5.5' )****H232356-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3051219	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		3051126	JH	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

Surrogate: 1-Chlorooctane			97.9 %	48.2-134		3051133	MS	11-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			108 %	49.1-148		3051133	MS	11-May-23	8015B	
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**CS - 10 ( 2.5' )****H232356-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		3051126	JH	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

Surrogate: 1-Chlorooctane			96.9 %	48.2-134		3051133	MS	11-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			107 %	49.1-148		3051133	MS	11-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**CS - 11 (2.5')****H232356-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3051126	JH	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

Surrogate: 1-Chlorooctane			92.6 %	48.2-134		3051133	MS	11-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			102 %	49.1-148		3051133	MS	11-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**CS - 12 ( 1' )**  
**H232356-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3051126	JH	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

Surrogate: 1-Chlorooctane			97.4 %	48.2-134		3051133	MS	11-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			106 %	49.1-148		3051133	MS	11-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**CS - 13 ( 1' )**  
**H232356-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>112</b>		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	105 %	71.5-134	3051126	JH	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

Surrogate: 1-Chlorooctane	97.9 %	48.2-134	3051133	MS	11-May-23	8015B	
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Surrogate: 1-Chlorooctadecane	106 %	49.1-148	3051133	MS	11-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**CS - 14 ( 1' )**  
**H232356-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3051126	JH	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

Surrogate: 1-Chlorooctane			117 %	48.2-134		3051133	MS	11-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			130 %	49.1-148		3051133	MS	11-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**CS - 15 ( 1' )**  
**H232356-15 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3051126	JH	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

Surrogate: 1-Chlorooctane			104 %	48.2-134		3051133	MS	11-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			117 %	49.1-148		3051133	MS	11-May-23	8015B	
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**CS - 16 ( 1' )**  
**H232356-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		3051126	JH	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			106 %	48.2-134		3051133	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			116 %	49.1-148		3051133	MS	12-May-23	8015B	
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**CS - 17 ( 2.5' )****H232356-17 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3051126	JH	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	

Surrogate: 1-Chlorooctane			107 %	48.2-134		3051133	MS	12-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			118 %	49.1-148		3051133	MS	12-May-23	8015B	
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**CS - 18 ( 1' )**  
**H232356-18 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	QM-07
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134 3051136 JH/ 11-May-23 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	

Surrogate: 1-Chlorooctane 106 % 48.2-134 3051133 MS 12-May-23 8015B

Surrogate: 1-Chlorooctadecane 118 % 49.1-148 3051133 MS 12-May-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**CS - 19 ( 2.5' )****H232356-19 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5-134		3051136	JH/	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	

Surrogate: 1-Chlorooctane			108 %	48.2-134		3051133	MS	12-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			121 %	49.1-148		3051133	MS	12-May-23	8015B	
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**H - 12 ( .5' )**  
**H232356-20 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>112</b>		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	71.5-134		3051136	JH/	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			112 %	48.2-134		3051133	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			125 %	49.1-148		3051133	MS	12-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**H - 13 (.5')**  
**H232356-21 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>160</b>		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		3051136	JH/	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	11-May-23	8015B	

Surrogate: 1-Chlorooctane			99.6 %	48.2-134		3051134	MS	11-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			122 %	49.1-148		3051134	MS	11-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**H - 14 ( .5' )**  
**H232356-22 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>112</b>		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %	71.5-134		3051136	JH/	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			99.6 %	48.2-134		3051134	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			121 %	49.1-148		3051134	MS	12-May-23	8015B	
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**SW - 1 ( 0-2.5' )****H232356-23 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>144</b>		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	3051136	JH/	11-May-23	8021B
Toluene*	<0.050	0.050	mg/kg	50	3051136	JH/	11-May-23	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	3051136	JH/	11-May-23	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	3051136	JH/	11-May-23	8021B
Total BTEX	<0.300	0.300	mg/kg	50	3051136	JH/	11-May-23	8021B

Surrogate: 4-Bromofluorobenzene (PID)	108 %	71.5-134	3051136	JH/	11-May-23	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3051134	MS	12-May-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3051134	MS	12-May-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3051134	MS	12-May-23	8015B

Surrogate: 1-Chlorooctane	96.7 %	48.2-134	3051134	MS	12-May-23	8015B
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Surrogate: 1-Chlorooctadecane	120 %	49.1-148	3051134	MS	12-May-23	8015B
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**SW - 2 ( 0-2.5' )****H232356-24 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %	71.5-134		3051136	JH/	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

Surrogate: 1-Chlorooctane			97.8 %	48.2-134		3051134	MS	12-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			123 %	49.1-148		3051134	MS	12-May-23	8015B	
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**SW - 3 ( 0-2.5' )****H232356-25 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			107 %	71.5-134		3051136	JH/	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

Surrogate: 1-Chlorooctane			99.1 %	48.2-134		3051134	MS	12-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			122 %	49.1-148		3051134	MS	12-May-23	8015B	
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**SW - 4 ( 2.5'-10' )****H232356-26 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	192		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %		71.5-134	3051136	JH/	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	11.2		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

Surrogate: 1-Chlorooctane			81.7 %		48.2-134	3051134	MS	12-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			98.5 %		49.1-148	3051134	MS	12-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**SW - 5 ( 0-2.5' )****H232356-27 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	160		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %	71.5-134		3051136	JH/	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

Surrogate: 1-Chlorooctane			104 %	48.2-134		3051134	MS	12-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			128 %	49.1-148		3051134	MS	12-May-23	8015B	
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**SW - 6 ( 0-10' )****H232356-28 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	288		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5-134		3051136	JH/	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

Surrogate: 1-Chlorooctane			83.5 %	48.2-134		3051134	MS	12-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			102 %	49.1-148		3051134	MS	12-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**SW - 7 ( 2.5-10' )****H232356-29 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>512</b>		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	111 %	71.5-134	3051136	JH/	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

Surrogate: 1-Chlorooctane	84.5 %	48.2-134	3051134	MS	12-May-23	8015B	
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Surrogate: 1-Chlorooctadecane	107 %	49.1-148	3051134	MS	12-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**SW - 8 ( 0-10' )****H232356-30 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>208</b>		16.0	mg/kg	4	3051221	AC	12-May-23	4500-Cl-B	QR-03
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134 3051136 JH/ 11-May-23 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

Surrogate: 1-Chlorooctane 93.4 % 48.2-134 3051134 MS 12-May-23 8015B

Surrogate: 1-Chlorooctadecane 113 % 49.1-148 3051134 MS 12-May-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**SW - 9 ( 0-2.5' )****H232356-31 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>208</b>		16.0	mg/kg	4	3051221	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	3051136	JH/	11-May-23	8021B
Toluene*	<0.050	0.050	mg/kg	50	3051136	JH/	11-May-23	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	3051136	JH/	11-May-23	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	3051136	JH/	11-May-23	8021B
Total BTEX	<0.300	0.300	mg/kg	50	3051136	JH/	11-May-23	8021B

Surrogate: 4-Bromofluorobenzene (PID)	111 %	71.5-134	3051136	JH/	11-May-23	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3051134	MS	12-May-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3051134	MS	12-May-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3051134	MS	12-May-23	8015B

Surrogate: 1-Chlorooctane	99.6 %	48.2-134	3051134	MS	12-May-23	8015B
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Surrogate: 1-Chlorooctadecane	122 %	49.1-148	3051134	MS	12-May-23	8015B
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**SW - 10 ( 2.5'-5.5' )****H232356-32 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	3051221	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	112 %	71.5-134	3051136	JH/	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

Surrogate: 1-Chlorooctane	101 %	48.2-134	3051134	MS	12-May-23	8015B	
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Surrogate: 1-Chlorooctadecane	124 %	49.1-148	3051134	MS	12-May-23	8015B	
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: MESCALERO 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**SW - 11 (0-2.5')****H232356-33 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>832</b>		16.0	mg/kg	4	3051221	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			113 %	71.5-134		3051136	JH/	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			99.7 %	48.2-134		3051134	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			121 %	49.1-148		3051134	MS	12-May-23	8015B	
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**SW - 12 (0-5.5')****H232356-34 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	3051221	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	71.5-134		3051136	JH/	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			106 %	48.2-134		3051134	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			130 %	49.1-148		3051134	MS	12-May-23	8015B	
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**SW - 13 ( 2.5'-5.5' )****H232356-35 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	3051221	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			113 %	71.5-134		3051136	JH/	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

Surrogate: 1-Chlorooctane			105 %	48.2-134		3051134	MS	12-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			133 %	49.1-148		3051134	MS	12-May-23	8015B	
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**SW - 14 (0-5.5')****H232356-36 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3051221	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %	71.5-134		3051136	JH/	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

Surrogate: 1-Chlorooctane			107 %	48.2-134		3051134	MS	12-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			134 %	49.1-148		3051134	MS	12-May-23	8015B	
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**SW - 15 (0-2.5')****H232356-37 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3051221	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			114 %	71.5-134		3051136	JH/	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

Surrogate: 1-Chlorooctane			102 %	48.2-134		3051134	MS	12-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			131 %	49.1-148		3051134	MS	12-May-23	8015B	
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**SW - 16 (0-2.5')****H232356-38 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	3051221	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051137	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051137	JH/	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			107 %		71.5-134	3051137	JH/	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

Surrogate: 1-Chlorooctane			102 %		48.2-134	3051134	MS	12-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			125 %		49.1-148	3051134	MS	12-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**SW - 17 ( 0-1' )****H232356-39 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3051221	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051137	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051137	JH/	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134 3051137 JH/ 11-May-23 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

Surrogate: 1-Chlorooctane 100 % 48.2-134 3051134 MS 12-May-23 8015B

Surrogate: 1-Chlorooctadecane 124 % 49.1-148 3051134 MS 12-May-23 8015B

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**SW - 18 ( 0-1' )****H232356-40 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3051221	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051137	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051137	JH/	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		3051137	JH/	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

Surrogate: 1-Chlorooctane			105 %	48.2-134		3051134	MS	12-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			129 %	49.1-148		3051134	MS	12-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**SW - 19 ( 1'-2.5' )****H232356-41 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	384		16.0	mg/kg	4	3051221	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051137	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051137	JH/	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %		71.5-134	3051137	JH/	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051120	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051120	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051120	MS	11-May-23	8015B	

Surrogate: 1-Chlorooctane			90.1 %		48.2-134	3051120	MS	11-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			104 %		49.1-148	3051120	MS	11-May-23	8015B	
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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**SW - 20 (0-2.5')****H232356-42 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3051221	AC	12-May-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051137	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051137	JH/	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		3051137	JH/	11-May-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051120	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051120	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051120	MS	11-May-23	8015B	

Surrogate: 1-Chlorooctane			94.5 %	48.2-134		3051120	MS	11-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			107 %	49.1-148		3051120	MS	11-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3051219 - 1:4 DI Water****Blank (3051219-BLK1)**

Prepared &amp; Analyzed: 12-May-23

Chloride	ND	16.0	mg/kg							
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**LCS (3051219-BS1)**

Prepared &amp; Analyzed: 12-May-23

Chloride	432	16.0	mg/kg	400		108	80-120			
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**LCS Dup (3051219-BSD1)**

Prepared &amp; Analyzed: 12-May-23

Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
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**Batch 3051220 - 1:4 DI Water****Blank (3051220-BLK1)**

Prepared &amp; Analyzed: 12-May-23

Chloride	ND	16.0	mg/kg							
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**LCS (3051220-BS1)**

Prepared &amp; Analyzed: 12-May-23

Chloride	432	16.0	mg/kg	400		108	80-120			
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**LCS Dup (3051220-BSD1)**

Prepared &amp; Analyzed: 12-May-23

Chloride	480	16.0	mg/kg	400		120	80-120	10.5	20	
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**Batch 3051221 - 1:4 DI Water****Blank (3051221-BLK1)**

Prepared &amp; Analyzed: 12-May-23

Chloride	ND	16.0	mg/kg							
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**LCS (3051221-BS1)**

Prepared &amp; Analyzed: 12-May-23

Chloride	432	16.0	mg/kg	400		108	80-120			
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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: MESCALERO 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3051221 - 1:4 DI Water****LCS Dup (3051221-BSD1)**

Prepared &amp; Analyzed: 12-May-23

Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3051126 - Volatiles****Blank (3051126-BLK1)**

Prepared &amp; Analyzed: 11-May-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0523		mg/kg	0.0500		105	71.5-134			

**LCS (3051126-BS1)**

Prepared &amp; Analyzed: 11-May-23

Benzene	1.95	0.050	mg/kg	2.00		97.5	81.4-118			
Toluene	1.96	0.050	mg/kg	2.00		97.9	88.7-121			
Ethylbenzene	1.91	0.050	mg/kg	2.00		95.5	86.1-120			
m,p-Xylene	3.95	0.100	mg/kg	4.00		98.8	88.2-124			
o-Xylene	1.94	0.050	mg/kg	2.00		97.0	84.9-118			
Total Xylenes	5.89	0.150	mg/kg	6.00		98.2	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0505		mg/kg	0.0500		101	71.5-134			

**LCS Dup (3051126-BSD1)**

Prepared &amp; Analyzed: 11-May-23

Benzene	2.17	0.050	mg/kg	2.00		109	81.4-118	10.8	15.8	
Toluene	2.17	0.050	mg/kg	2.00		109	88.7-121	10.4	15.9	
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	86.1-120	10.5	16	
m,p-Xylene	4.31	0.100	mg/kg	4.00		108	88.2-124	8.78	16.2	
o-Xylene	2.04	0.050	mg/kg	2.00		102	84.9-118	5.16	16.7	
Total Xylenes	6.36	0.150	mg/kg	6.00		106	87.3-122	7.60	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0488		mg/kg	0.0500		97.5	71.5-134			

**Batch 3051136 - Volatiles****Blank (3051136-BLK1)**

Prepared &amp; Analyzed: 11-May-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3051136 - Volatiles****Blank (3051136-BLK1)**

Prepared &amp; Analyzed: 11-May-23

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0545		mg/kg	0.0500		109	71.5-134			

**LCS (3051136-BS1)**

Prepared &amp; Analyzed: 11-May-23

Benzene	1.89	0.050	mg/kg	2.00		94.6	81.4-118			
Toluene	1.93	0.050	mg/kg	2.00		96.7	88.7-121			
Ethylbenzene	2.00	0.050	mg/kg	2.00		99.9	86.1-120			
m,p-Xylene	3.96	0.100	mg/kg	4.00		99.0	88.2-124			
o-Xylene	1.95	0.050	mg/kg	2.00		97.7	84.9-118			
Total Xylenes	5.92	0.150	mg/kg	6.00		98.6	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0506		mg/kg	0.0500		101	71.5-134			

**LCS Dup (3051136-BS1)**

Prepared &amp; Analyzed: 11-May-23

Benzene	1.98	0.050	mg/kg	2.00		98.8	81.4-118	4.37	15.8	
Toluene	2.05	0.050	mg/kg	2.00		102	88.7-121	5.65	15.9	
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	86.1-120	5.78	16	
m,p-Xylene	4.22	0.100	mg/kg	4.00		106	88.2-124	6.39	16.2	
o-Xylene	2.12	0.050	mg/kg	2.00		106	84.9-118	8.17	16.7	
Total Xylenes	6.34	0.150	mg/kg	6.00		106	87.3-122	6.98	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0512		mg/kg	0.0500		102	71.5-134			

**Batch 3051137 - Volatiles****Blank (3051137-BLK1)**

Prepared &amp; Analyzed: 11-May-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0532		mg/kg	0.0500		106	71.5-134			

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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3051137 - Volatiles****LCS (3051137-BS1)**

Prepared &amp; Analyzed: 11-May-23

Benzene	1.94	0.050	mg/kg	2.00		96.8	81.4-118			
Toluene	1.99	0.050	mg/kg	2.00		99.7	88.7-121			
Ethylbenzene	1.92	0.050	mg/kg	2.00		95.9	86.1-120			
m,p-Xylene	4.04	0.100	mg/kg	4.00		101	88.2-124			
o-Xylene	1.92	0.050	mg/kg	2.00		95.8	84.9-118			
Total Xylenes	5.95	0.150	mg/kg	6.00		99.2	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0528		mg/kg	0.0500		106	71.5-134			

**LCS Dup (3051137-BS1)**

Prepared &amp; Analyzed: 11-May-23

Benzene	2.09	0.050	mg/kg	2.00		104	81.4-118	7.46	15.8	
Toluene	2.14	0.050	mg/kg	2.00		107	88.7-121	6.86	15.9	
Ethylbenzene	2.07	0.050	mg/kg	2.00		104	86.1-120	7.85	16	
m,p-Xylene	4.35	0.100	mg/kg	4.00		109	88.2-124	7.52	16.2	
o-Xylene	2.11	0.050	mg/kg	2.00		105	84.9-118	9.48	16.7	
Total Xylenes	6.46	0.150	mg/kg	6.00		108	87.3-122	8.16	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0513		mg/kg	0.0500		103	71.5-134			

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3051120 - General Prep - Organics****Blank (3051120-BLK1)**

Prepared &amp; Analyzed: 11-May-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	37.7		mg/kg	49.6		76.2	48.2-134			
Surrogate: 1-Chlorooctadecane	43.0		mg/kg	50.0		86.1	49.1-148			

**LCS (3051120-BS1)**

Prepared &amp; Analyzed: 11-May-23

GRO C6-C10	164	10.0	mg/kg	200		82.0	78.5-124			
DRO >C10-C28	168	10.0	mg/kg	200		83.8	72.5-126			
Total TPH C6-C28	332	10.0	mg/kg	400		82.9	77.6-123			
Surrogate: 1-Chlorooctane	41.1		mg/kg	49.6		83.0	48.2-134			
Surrogate: 1-Chlorooctadecane	44.8		mg/kg	50.0		89.5	49.1-148			

**LCS Dup (3051120-BS1)**

Prepared &amp; Analyzed: 11-May-23

GRO C6-C10	165	10.0	mg/kg	200		82.6	78.5-124	0.719	17.7	
DRO >C10-C28	164	10.0	mg/kg	200		81.8	72.5-126	2.41	21	
Total TPH C6-C28	329	10.0	mg/kg	400		82.2	77.6-123	0.849	18.5	
Surrogate: 1-Chlorooctane	42.5		mg/kg	49.6		85.7	48.2-134			
Surrogate: 1-Chlorooctadecane	45.9		mg/kg	50.0		91.8	49.1-148			

**Batch 3051133 - General Prep - Organics****Blank (3051133-BLK1)**

Prepared &amp; Analyzed: 11-May-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	48.9		mg/kg	49.6		98.7	48.2-134			
Surrogate: 1-Chlorooctadecane	53.3		mg/kg	50.0		107	49.1-148			

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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3051133 - General Prep - Organics****LCS (3051133-BS1)**

Prepared &amp; Analyzed: 11-May-23

GRO C6-C10	206	10.0	mg/kg	200		103	78.5-124		
DRO >C10-C28	192	10.0	mg/kg	200		95.8	72.5-126		
Total TPH C6-C28	397	10.0	mg/kg	400		99.3	77.6-123		
Surrogate: 1-Chlorooctane	52.3		mg/kg	49.6		106	48.2-134		
Surrogate: 1-Chlorooctadecane	63.0		mg/kg	50.0		126	49.1-148		

**LCS Dup (3051133-BS1)**

Prepared &amp; Analyzed: 11-May-23

GRO C6-C10	201	10.0	mg/kg	200		100	78.5-124	2.39	17.7
DRO >C10-C28	181	10.0	mg/kg	200		90.3	72.5-126	5.87	21
Total TPH C6-C28	381	10.0	mg/kg	400		95.3	77.6-123	4.05	18.5
Surrogate: 1-Chlorooctane	54.8		mg/kg	49.6		111	48.2-134		
Surrogate: 1-Chlorooctadecane	62.5		mg/kg	50.0		125	49.1-148		

**Batch 3051134 - General Prep - Organics****Blank (3051134-BLK1)**

Prepared &amp; Analyzed: 11-May-23

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	47.2		mg/kg	49.6		95.3	48.2-134		
Surrogate: 1-Chlorooctadecane	59.2		mg/kg	50.0		118	49.1-148		

**LCS (3051134-BS1)**

Prepared &amp; Analyzed: 11-May-23

GRO C6-C10	193	10.0	mg/kg	200		96.3	78.5-124		
DRO >C10-C28	219	10.0	mg/kg	200		109	72.5-126		
Total TPH C6-C28	412	10.0	mg/kg	400		103	77.6-123		
Surrogate: 1-Chlorooctane	51.3		mg/kg	49.6		103	48.2-134		
Surrogate: 1-Chlorooctadecane	62.3		mg/kg	50.0		125	49.1-148		

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: MESCALERO 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:50

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3051134 - General Prep - Organics****LCS Dup (3051134-BSD1)**

Prepared &amp; Analyzed: 11-May-23

GRO C6-C10	185	10.0	mg/kg	200		92.4	78.5-124	4.13	17.7	
DRO >C10-C28	199	10.0	mg/kg	200		99.6	72.5-126	9.44	21	
Total TPH C6-C28	384	10.0	mg/kg	400		96.0	77.6-123	6.92	18.5	
Surrogate: 1-Chlorooctane	52.0		mg/kg	49.6		105	48.2-134			
Surrogate: 1-Chlorooctadecane	61.0		mg/kg	50.0		122	49.1-148			

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### Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

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Celey D. Keene, Lab Director/Quality Manager



## Chain of Custody

Work Order No: H232356Page 1 of 5

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Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds Blvd.	Address:	600 N. Martenfield, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.com

Work Order Comments	
Program: UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownie <input type="checkbox"/> R <input type="checkbox"/> Super <input type="checkbox"/>	
State of Project:	
Reporting Level: <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> L <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAP <input type="checkbox"/> Other:	

Project Name:	Mescalero 7-6	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	237067	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush														None: NO	DI Water: H <sub>2</sub> O	
Project Location:	Lea County	Due Date:	24HR														Cool: Cool	MeOH: Me	
Sampler's Name:	Tyler Kimball	TAT starts the day received by the lab, if received by 4:30pm															HCL: HC	HNO <sub>3</sub> : HN	
PO #:																			
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>														
Received Inact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:																	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:																	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:																	
Total Containers:	42	Corrected Temperature:																	
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters								Sample Comments			
CS-1 (2.5')		5.10.23	2:00PM	X		Comp	1	X	X	X	X	X	X	X	X	X			
CS-2 (2.5')		5.10.23	2:02PM	X		Comp	1	X	X	X	X	X	X	X	X	X			
CS-3 (2.5')		5.10.23	2:04PM	X		Comp	1	X	X	X	X	X	X	X	X	X			
CS-4 (2.5')		5.10.23	2:06PM	X		Comp	1	X	X	X	X	X	X	X	X	X			
CS-5 (2.5')		5.10.23	2:08PM	X		Comp	1	X	X	X	X	X	X	X	X	X			
CS-6 (10')		5.10.23	2:10PM	X		Comp	1	X	X	X	X	X	X	X	X	X			
CS-7 (10')		5.10.23	2:12PM	X		Comp	1	X	X	X	X	X	X	X	X	X			
CS-8 (2.5')		5.10.23	2:14PM	X		Comp	1	X	X	X	X	X	X	X	X	X			
CS-9 (5.5')		5.10.23	2:16PM	X		Comp	1	X	X	X	X	X	X	X	X	X			
CS-10 (2.5')		5.10.23	2:18PM	X		Comp	1	X	X	X	X	X	X	X	X	X			

Additional Comments: Billing Code: EAROPENTX

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		5-11-23 1210			





## Chain of Custody

Work Order No:

H232356

Page 2 of 5

Page 56 of 59

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds Blvd.	Address:	600 N. Marientfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.com

Work Order Comments			
Program: UST/PS	PR	Brownie	Sup
State of Project:			
Reporting Level	Level	PST/UT	TRP
Deliverables: EDD	ADAP	Other:	

Project Name:	Mescalero 7-6	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	237067	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush															None: NO	DI Water: H <sub>2</sub> O	
Project Location:	Lea County	Due Date:	24HR														Cool: Cool	MeOH: Me	
Sampler's Name:	Tyler Kimball	TAT starts the day received by the lab, if received by 4:30pm															HCL: HC	HNO <sub>3</sub> : HN	
PO #:																	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>												H <sub>3</sub> PO <sub>4</sub> : HP		
Received Inact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	713														NaHSO <sub>4</sub> : NABIS		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	-0.6														Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	0.3														Zn Acetate+NaOH: Zn		
Total Containers:	42	Corrected Temperature:	-0.3														NaOH+Ascorbic Acid: SAPC		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters											
CS-11 (2.5')	5.10.23	2:20PM	X		Comp	1	X	X	X									
CS-12 (1')	5.10.23	2:22PM	X		Comp	1	X	X	X									
CS-13 (1')	5.10.23	2:24PM	X		Comp	1	X	X	X									
CS-14 (1')	5.10.23	2:26PM	X		Comp	1	X	X	X									
CS-15 (1')	5.10.23	2:28PM	X		Comp	1	X	X	X									
CS-16 (1')	5.10.23	2:30PM	X		Comp	1	X	X	X									
CS-17 (2.5')	5.10.23	2:32PM	X		Comp	1	X	X	X									
CS-18 (1')	5.10.23	2:34PM	X		Comp	1	X	X	X									
CS-19 (2.5')	5.10.23	2:36PM	X		Comp	1	X	X	X									
H-12 CS-20 (5')	5.10.23	2:38PM	X		Comp	1	X	X	X									

Additional Comments: Billing Code: EAROPEMTX

\* Customer requested ID change re. 6/1/23

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## Chain of Custody

**Work Order No.:**

1232354

Page 3 of 5

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds Blvd.	Address:	600 N. Marientfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	<a href="mailto:cmartin@earthstoneenergy.com">cmartin@earthstoneenergy.com</a>

Work Order Comments				
Program: UST/PS	<input type="checkbox"/> PR	<input type="checkbox"/> Brownfie	<input type="checkbox"/> R	<input type="checkbox"/> Super
State of Project:				
Reporting: Level	<input type="checkbox"/> Level	<input type="checkbox"/> PST/U	<input type="checkbox"/> TR	<input type="checkbox"/> L
Deliverables: ED	<input type="checkbox"/> ADAP	<input type="checkbox"/> Other:		

Turn Around						ANALYSIS REQUEST										Preservative Codes				
Project Name:		Mescalero 7-6	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code													None: NO DI Water: H <sub>2</sub> O		
Project Number:		237067															Cool: Cool MeOH: Me			
Project Location:		Lea County															HCL: HC HNO <sub>3</sub> : HN			
Sampler's Name:		Tyler Kimball	Due Date: 24HR														H <sub>2</sub> S <sub>2</sub> O <sub>8</sub> : H <sub>2</sub> NaOH: Na			
PO #:			TAT starts the day received by the lab, if received by 4:30pm														H <sub>3</sub> PO <sub>4</sub> : HP			
<b>SAMPLE RECEIPT</b>			Temp Blank:	Yes <input checked="" type="radio"/> No <input type="radio"/>	Wet Ice:	Yes <input checked="" type="radio"/> No <input type="radio"/>	Parameters										HOLD			
Received Intact:			Yes <input checked="" type="radio"/> No <input type="radio"/>	Thermometer ID:											NaHSO <sub>4</sub> : NABIS					
Cooler Custody Seals:			Yes <input checked="" type="radio"/> No <input type="radio"/>	Correction Factor:	BTX 8021B										Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>					
Sample Custody Seals:			Yes <input checked="" type="radio"/> No <input type="radio"/>	Temperature Reading:	TPH 8015M ( GRO + DRO + MRO)										Zn Acetate+NaOH: Zn					
Total Containers:			42	Corrected Temperature:	Chloride 4500										NaOH+Ascorbic Acid: SAPC					
Sample Identification			Date	Time	Soil	Water	Grab/Comp	# of Cont										Sample Comments		
H-13 CS-21 (.5')			5.10.23	2:40PM	X		Comp	1	X	X	X									
H-14 CS-22 (.5') *			5.10.23	2:42PM	X		Comp	1	X	X	X									
SW-1 (0-2.5')			5.10.23	2:44PM	X		Comp	1	X	X	X									
SW-2 (0-2.5')			5.10.23	2:46PM	X		Comp	1	X	X	X									
SW-3 (0-2.5')			5.10.23	2:48PM	X		Comp	1	X	X	X									
SW-4 (2.5'-10')			5.10.23	2:50PM	X		Comp	1	X	X	X									
SW-5 (0-2.5')			5.10.23	2:52PM	X		Comp	1	X	X	X									
SW-6 (2.5'-10') *			5.10.23	2:54PM	X		Comp	1	X	X	X									
SW-7 (2.5'-10')			5.10.23	2:56PM	X		Comp	1	X	X	X									
SW-8 (2.5'-10') **			5.10.23	2:58PM	X		Comp	1	X	X	X									

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and sub-contractors. 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.

**Additional Comments:** Billing Code: EARPENTX

\* Customer requested ID Clause. re. 6/1/23  
 \*\* ~~Customer requested ID Clause.~~

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	5-11-23 1200			





## Chain of Custody

Work Order No:

H2322356

Page 4 of 5

Page 58 of 59

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds Blvd.	Address:	600 N. Marlenfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.com

Work Order Comments			
Program: UST/PS	PR	Brownie	Supel
State of Project:			
Reporting Level:	Level	PST/U	TRP
Deliverables:	EDD	ADAP	Other:

Project Name:	Mescalero 7-6	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST										Preservative Codes		
Project Number:	237067	Due Date:	24HR													None: NO	DI Water: H <sub>2</sub> O	
Project Location:	Lea County	TAT starts the day received by the lab, if received by 4:30pm														Cool: Cool	MeOH: Me	
Sampler's Name:	Tyler Kimball															HCL: HC	HNO <sub>3</sub> : HN	
PO #:																H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na	
SAMPLE RECEIPT	Temp Blank:	Yes	No	Wet Ice:	Yes	No											H <sub>3</sub> PO <sub>4</sub> : HP	
Received Inact:	Yes	No	Thermometer ID:	113												NaHSO <sub>4</sub> : NABIS		
Cooler Custody Seals:	Yes	No	Correction Factor:	-0.6%												Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>		
Sample Custody Seals:	Yes	No	Temperature Reading:	0.3%												Zn Acetate+NaOH: Zn		
Total Containers:	42	Corrected Temperature:	-0.3%													NaOH+Ascorbic Acid: SAPC		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters										HOLD												Sample Comments
SW-9 (0-2.5')	5.10.23	3:00PM	X		Comp	1	X	X	X																				
SW-10 (2.5'-5.5')	5.10.23	3:02PM	X		Comp	1	X	X	X																				
SW-11 (0-2.5')	5.10.23	3:04PM	X		Comp	1	X	X	X																				
SW-12 (0-5.5')	5.10.23	3:06PM	X		Comp	1	X	X	X																				
SW-13 (2.5'-5.5')	5.10.23	3:08PM	X		Comp	1	X	X	X																				
SW-14 (0-5.5')	5.10.23	3:10PM	X		Comp	1	X	X	X																				
SW-15 (0-2.5')	5.10.23	3:12PM	X		Comp	1	X	X	X																				
SW-16 (0-2.5')	5.10.23	3:14PM	X		Comp	1	X	X	X																				
SW-17 (0-1')	5.10.23	3:16PM	X		Comp	1	X	X	X																				
SW-18 (0-1')	5.10.23	3:18PM	X		Comp	1	X	X	X																				

Additional Comments: Billing Code: EAP0EMTX

\*\*Customer requested ID change to 6/14/23

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	<i>[Signature]</i>	5-11-23 1210	2		
3	<i>[Signature]</i>		4		
5			6		





## Chain of Custody

Work Order No: 4232356

Page 5 of 5

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds Blvd.	Address:	600 N. Marlenfield, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.com

Work Order Comments			
Program: UST/PSI	PR	Brownfield	RCT
State of Project:			Super
Reporting Level	Level	PST/UT	TRP
Deliverables: EDD	ADAP	Other:	

Project Name:	Mescalero 7-6	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	237067	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush														None: NO DI Water: H <sub>2</sub> O			
Project Location:	Lea County	Due Date:	24HR													Cool: Cool MeOH: Me			
Sampler's Name:	Tyler Kimball	TAT starts the day received by the lab, if received by 4:30pm														HCL: HC HNO <sub>3</sub> : HN			
PO #:																H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na			
<b>SAMPLE RECEIPT</b>																			
Received Inlet:	Temp Blank:	Yes	No	Yes	No	Yes	No											H <sub>3</sub> PO <sub>4</sub> : HP	
Cooler Custody Seals:	Thermometer ID:	Yes	No	Yes	No	Yes	No											NaHSO <sub>4</sub> : NABIS	
Sample Custody Seals:	Correction Factor:	Yes	No	Yes	No	Yes	No											Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>	
Total Containers:	Temperature Reading:	Yes	No	Yes	No	Yes	No											Zn Acetate+NaOH: Zn	
	Corrected Temperature:	Yes	No	Yes	No	Yes	No											NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPH																Sample Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
SW-19 (1'-2.5')	5.10.23	3:20PM	x		Comp	1	x	x	x																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			



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

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June 16, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: MESCALERO 7-6

Enclosed are the results of analyses for samples received by the laboratory on 06/02/23 14:45.

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/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: MESCALERO 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:39

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW 11 A (0-5.5)	H232811-01	Soil	02-Jun-23 13:00	02-Jun-23 14:45
SW 21 (2.5-4.5)	H232811-02	Soil	02-Jun-23 13:02	02-Jun-23 14:45
CS - 3 A (4.5)	H232811-03	Soil	02-Jun-23 13:04	02-Jun-23 14:45
CS - 20 (5.5)	H232811-04	Soil	02-Jun-23 13:06	02-Jun-23 14:45
CS - 21 (2.5)	H232811-05	Soil	02-Jun-23 13:08	02-Jun-23 14:45
CS - 22 (2.5)	H232811-06	Soil	02-Jun-23 13:10	02-Jun-23 14:45
CS - 23 (5.5)	H232811-07	Soil	02-Jun-23 13:12	02-Jun-23 14:45
SW - 22 (2.5-5.5)	H232811-08	Soil	02-Jun-23 13:14	02-Jun-23 14:45

06/16/23 - Client changed some of the sample depths (see COC). This is the revised report and will replace the one sent on 06/05/23.

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:39

**SW 11 A (0-5.5)****H232811-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	176		16.0	mg/kg	4	3060526	AC	05-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060228	MS	02-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134 3060228 MS 02-Jun-23 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	

Surrogate: 1-Chlorooctane 87.5 % 48.2-134 3060225 MS 03-Jun-23 8015B

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148 3060225 MS 03-Jun-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:39

**SW 21 (2.5-4.5)****H232811-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3060526	AC	05-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060228	MS	02-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		3060228	MS	02-Jun-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	

Surrogate: 1-Chlorooctane			89.5 %	48.2-134		3060225	MS	03-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			90.7 %	49.1-148		3060225	MS	03-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:39

**CS - 3 A (4.5)**  
**H232811-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3060526	AC	05-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060228	MS	02-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		3060228	MS	02-Jun-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	

Surrogate: 1-Chlorooctane			92.7 %	48.2-134		3060225	MS	03-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			93.6 %	49.1-148		3060225	MS	03-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:39

**CS - 20 (5.5)**  
**H232811-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>80.0</b>		16.0	mg/kg	4	3060526	AC	05-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060228	MS	02-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %		71.5-134	3060228	MS	02-Jun-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	

Surrogate: 1-Chlorooctane			88.2 %		48.2-134	3060225	MS	03-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			89.7 %		49.1-148	3060225	MS	03-Jun-23	8015B	
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:39

**CS - 21 (2.5)**  
**H232811-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	3060526	AC	05-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060228	MS	02-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %	71.5-134		3060228	MS	02-Jun-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
DRO >C10-C28*	<b>16.2</b>		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	

Surrogate: 1-Chlorooctane			106 %	48.2-134		3060225	MS	03-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			108 %	49.1-148		3060225	MS	03-Jun-23	8015B	
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:39

**CS - 22 (2.5)**  
**H232811-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	3060526	AC	05-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3060228	MS	03-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060228	MS	03-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060228	MS	03-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060228	MS	03-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060228	MS	03-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		3060228	MS	03-Jun-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	

Surrogate: 1-Chlorooctane			90.9 %	48.2-134		3060225	MS	03-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			93.1 %	49.1-148		3060225	MS	03-Jun-23	8015B	
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:39

**CS - 23 (5.5)**  
**H232811-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3060526	AC	05-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3060228	MS	03-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060228	MS	03-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060228	MS	03-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060228	MS	03-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060228	MS	03-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		3060228	MS	03-Jun-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	

Surrogate: 1-Chlorooctane			86.4 %	48.2-134		3060225	MS	03-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			88.5 %	49.1-148		3060225	MS	03-Jun-23	8015B	
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:39

**SW - 22 (2.5-5.5)****H232811-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	3060526	AC	05-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3060228	MS	03-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060228	MS	03-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060228	MS	03-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060228	MS	03-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060228	MS	03-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3060228	MS	03-Jun-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	

Surrogate: 1-Chlorooctane			84.9 %	48.2-134		3060225	MS	03-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			86.7 %	49.1-148		3060225	MS	03-Jun-23	8015B	
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: MESCALERO 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:39

**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 3060526 - 1:4 DI Water</b>									
<b>Blank (3060526-BLK1)</b>					Prepared & Analyzed: 05-Jun-23				
Chloride	ND	16.0	mg/kg						
<b>LCS (3060526-BS1)</b>					Prepared & Analyzed: 05-Jun-23				
Chloride	416	16.0	mg/kg	400	104	80-120			
<b>LCS Dup (3060526-BSD1)</b>					Prepared & Analyzed: 05-Jun-23				
Chloride	448	16.0	mg/kg	400	112	80-120	7.41	20	

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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:39

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3060228 - Volatiles****Blank (3060228-BLK1)**

Prepared &amp; Analyzed: 02-Jun-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0512		mg/kg	0.0500		102	71.5-134			

**LCS (3060228-BS1)**

Prepared &amp; Analyzed: 02-Jun-23

Benzene	2.32	0.050	mg/kg	2.00		116	81.4-118			
Toluene	2.29	0.050	mg/kg	2.00		115	88.7-121			
Ethylbenzene	2.22	0.050	mg/kg	2.00		111	86.1-120			
m,p-Xylene	4.59	0.100	mg/kg	4.00		115	88.2-124			
o-Xylene	2.17	0.050	mg/kg	2.00		109	84.9-118			
Total Xylenes	6.77	0.150	mg/kg	6.00		113	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0487		mg/kg	0.0500		97.4	71.5-134			

**LCS Dup (3060228-BS1)**

Prepared &amp; Analyzed: 02-Jun-23

Benzene	2.32	0.050	mg/kg	2.00		116	81.4-118	0.224	15.8	
Toluene	2.30	0.050	mg/kg	2.00		115	88.7-121	0.210	15.9	
Ethylbenzene	2.23	0.050	mg/kg	2.00		111	86.1-120	0.158	16	
m,p-Xylene	4.56	0.100	mg/kg	4.00		114	88.2-124	0.838	16.2	
o-Xylene	2.14	0.050	mg/kg	2.00		107	84.9-118	1.60	16.7	
Total Xylenes	6.69	0.150	mg/kg	6.00		112	87.3-122	1.08	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0495		mg/kg	0.0500		98.9	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: MESCALERO 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:39

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3060225 - General Prep - Organics****Blank (3060225-BLK1)**

Prepared &amp; Analyzed: 02-Jun-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	35.4		mg/kg	49.6		71.5	48.2-134			
Surrogate: 1-Chlorooctadecane	36.2		mg/kg	50.0		72.5	49.1-148			

**LCS (3060225-BS1)**

Prepared &amp; Analyzed: 02-Jun-23

GRO C6-C10	167	10.0	mg/kg	200		83.6	78.5-124			
DRO >C10-C28	175	10.0	mg/kg	200		87.7	72.5-126			
Total TPH C6-C28	343	10.0	mg/kg	400		85.7	77.6-123			
Surrogate: 1-Chlorooctane	42.2		mg/kg	49.6		85.1	48.2-134			
Surrogate: 1-Chlorooctadecane	41.8		mg/kg	50.0		83.6	49.1-148			

**LCS Dup (3060225-BSD1)**

Prepared &amp; Analyzed: 02-Jun-23

GRO C6-C10	164	10.0	mg/kg	200		81.8	78.5-124	2.23	17.7	
DRO >C10-C28	169	10.0	mg/kg	200		84.7	72.5-126	3.51	21	
Total TPH C6-C28	333	10.0	mg/kg	400		83.2	77.6-123	2.88	18.5	
Surrogate: 1-Chlorooctane	40.6		mg/kg	49.6		82.0	48.2-134			
Surrogate: 1-Chlorooctadecane	40.1		mg/kg	50.0		80.3	49.1-148			

Cardinal Laboratories

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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



## ANALYSIS REQUEST

6/16/23

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

---

June 16, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: MESCALERO 7-6

Enclosed are the results of analyses for samples received by the laboratory on 06/06/23 14:39.

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/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,

Celey D. Keene

Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: MESCALERO 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:43

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 24 ( 15' )	H232868-01	Soil	06-Jun-23 12:00	06-Jun-23 14:39
CS - 25 ( 15' )	H232868-02	Soil	06-Jun-23 12:02	06-Jun-23 14:39
CS - 26 ( 15' )	H232868-03	Soil	06-Jun-23 12:04	06-Jun-23 14:39
CS - 27 ( 15' )	H232868-04	Soil	06-Jun-23 12:06	06-Jun-23 14:39
CS - 28 ( 15' )	H232868-05	Soil	06-Jun-23 12:08	06-Jun-23 14:39
CS - 29 ( 2.5' )	H232868-06	Soil	06-Jun-23 12:10	06-Jun-23 14:39
CS - 30 ( 2.5' )	H232868-07	Soil	06-Jun-23 12:12	06-Jun-23 14:39
SW - 23 ( 1-2.5' )	H232868-08	Soil	06-Jun-23 12:14	06-Jun-23 14:39
SW - 24 ( 0-15' )	H232868-09	Soil	06-Jun-23 12:16	06-Jun-23 14:39
SW - 25 ( 0-15' )	H232868-10	Soil	06-Jun-23 12:18	06-Jun-23 14:39
SW - 26 ( 0-15' )	H232868-11	Soil	06-Jun-23 12:20	06-Jun-23 14:39
SW - 27 ( 0-15' )	H232868-12	Soil	06-Jun-23 12:22	06-Jun-23 14:39
SW - 28 ( 0-15' )	H232868-13	Soil	06-Jun-23 12:24	06-Jun-23 14:39
SW - 29 ( 0-15' )	H232868-14	Soil	06-Jun-23 12:26	06-Jun-23 14:39
SW - 30 ( 0-15' )	H232868-15	Soil	06-Jun-23 12:28	06-Jun-23 14:39
SW - 31 ( 0-2.5' )	H232868-16	Soil	06-Jun-23 12:30	06-Jun-23 14:39
SW - 32 ( 2.5-15' )	H232868-17	Soil	06-Jun-23 12:32	06-Jun-23 14:39

06/09/23 - Client changed sample IDs (see COC). This is the revised report and will replace the one sent 06/08/23.

06/16/23 - Client changed sample IDs (see COC). This is the 2nd revision of the report and will replace the one sent on 06/09/23.

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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:43

**CS - 24 ( 15' )****H232868-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060621	MS	06-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134 3060621 MS 06-Jun-23 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

Surrogate: 1-Chlorooctane 110 % 48.2-134 3060629 MS 06-Jun-23 8015B

Surrogate: 1-Chlorooctadecane 111 % 49.1-148 3060629 MS 06-Jun-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:43

**CS - 25 ( 15' )****H232868-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060621	MS	06-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %		71.5-134	3060621	MS	06-Jun-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

Surrogate: 1-Chlorooctane			85.7 %		48.2-134	3060629	MS	06-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			86.4 %		49.1-148	3060629	MS	06-Jun-23	8015B	
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:43

**CS - 26 ( 15' )****H232868-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	320		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060621	MS	06-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %		71.5-134	3060621	MS	06-Jun-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

Surrogate: 1-Chlorooctane			83.5 %		48.2-134	3060629	MS	06-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			84.1 %		49.1-148	3060629	MS	06-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:43

**CS - 27 ( 15' )****H232868-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	224		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060621	MS	06-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		3060621	MS	06-Jun-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

Surrogate: 1-Chlorooctane			83.4 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			84.6 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:43

**CS - 28 ( 15' )****H232868-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060621	MS	06-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %	71.5-134		3060621	MS	06-Jun-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

Surrogate: 1-Chlorooctane			81.6 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			82.5 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:43

**CS - 29 ( 2.5' )****H232868-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060621	MS	06-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3060621	MS	06-Jun-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

Surrogate: 1-Chlorooctane			76.8 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			77.9 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:43

**CS - 30 ( 2.5' )****H232868-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3060621	MS	07-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060621	MS	07-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060621	MS	07-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060621	MS	07-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060621	MS	07-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3060621	MS	07-Jun-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

Surrogate: 1-Chlorooctane			77.2 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			78.1 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:43

**SW - 23 ( 1-2.5' )****H232868-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3060621	MS	07-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060621	MS	07-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060621	MS	07-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060621	MS	07-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060621	MS	07-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		3060621	MS	07-Jun-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

Surrogate: 1-Chlorooctane			84.2 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			86.1 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:43

**SW - 24 ( 0-15' )****H232868-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>256</b>		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3060624	JH/	06-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	112 %	71.5-134	3060624	JH/	06-Jun-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

Surrogate: 1-Chlorooctane	73.6 %	48.2-134	3060629	MS	06-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane	74.4 %	49.1-148	3060629	MS	06-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:43

**SW - 25 ( 0-15' )****H232868-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>144</b>		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3060624	JH/	06-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	110 %	71.5-134	3060624	JH/	06-Jun-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

Surrogate: 1-Chlorooctane	83.1 %	48.2-134	3060629	MS	06-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane	84.5 %	49.1-148	3060629	MS	06-Jun-23	8015B	
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:43

**SW - 26 ( 0-15' )****H232868-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	576		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060624	JH/	06-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		3060624	JH/	06-Jun-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

Surrogate: 1-Chlorooctane			81.5 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			82.3 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:43

**SW - 27 ( 0-15' )****H232868-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>112</b>		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060624	JH/	06-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %		71.5-134	3060624	JH/	06-Jun-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

Surrogate: 1-Chlorooctane			98.4 %		48.2-134	3060629	MS	06-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			99.3 %		49.1-148	3060629	MS	06-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:43

**SW - 28 ( 0-15' )****H232868-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060624	JH/	06-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %	71.5-134		3060624	JH/	06-Jun-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

Surrogate: 1-Chlorooctane			95.2 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			95.8 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:43

**SW - 29 ( 0-15' )****H232868-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060624	JH/	06-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %	71.5-134		3060624	JH/	06-Jun-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

Surrogate: 1-Chlorooctane			87.8 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			89.1 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:43

**SW - 30 ( 0-15' )****H232868-15 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		113 %		71.5-134	3060624	JH/	06-Jun-23	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
Surrogate: 1-Chlorooctane		99.6 %		48.2-134	3060629	MS	06-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane		101 %		49.1-148	3060629	MS	06-Jun-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:43

**SW - 31 (0-2.5')****H232868-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060624	JH/	06-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5-134		3060624	JH/	06-Jun-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

Surrogate: 1-Chlorooctane			94.7 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			95.7 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:43

**SW - 32 ( 2.5-15' )****H232868-17 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060624	JH/	06-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		3060624	JH/	06-Jun-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

Surrogate: 1-Chlorooctane			89.7 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			92.2 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: MESCALERO 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:43

**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 3060707 - 1:4 DI Water</b>										
<b>Blank (3060707-BLK1)</b>				Prepared & Analyzed: 07-Jun-23						
Chloride	ND	16.0	mg/kg							
<b>LCS (3060707-BS1)</b>				Prepared & Analyzed: 07-Jun-23						
Chloride	448	16.0	mg/kg	400		112	80-120			
<b>LCS Dup (3060707-BSD1)</b>				Prepared & Analyzed: 07-Jun-23						
Chloride	448	16.0	mg/kg	400		112	80-120	0.00	20	

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:43

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3060621 - Volatiles****Blank (3060621-BLK1)**

Prepared &amp; Analyzed: 06-Jun-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0518		mg/kg	0.0500		104	71.5-134			

**LCS (3060621-BS1)**

Prepared &amp; Analyzed: 06-Jun-23

Benzene	2.38	0.050	mg/kg	2.00		119	81.4-118			BS-3
Toluene	2.36	0.050	mg/kg	2.00		118	88.7-121			
Ethylbenzene	2.30	0.050	mg/kg	2.00		115	86.1-120			
m,p-Xylene	4.73	0.100	mg/kg	4.00		118	88.2-124			
o-Xylene	2.26	0.050	mg/kg	2.00		113	84.9-118			
Total Xylenes	6.99	0.150	mg/kg	6.00		116	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0506		mg/kg	0.0500		101	71.5-134			

**LCS Dup (3060621-BS1)**

Prepared &amp; Analyzed: 06-Jun-23

Benzene	2.53	0.050	mg/kg	2.00		127	81.4-118	6.34	15.8	BS-3
Toluene	2.49	0.050	mg/kg	2.00		125	88.7-121	5.49	15.9	BS-3
Ethylbenzene	2.45	0.050	mg/kg	2.00		122	86.1-120	6.32	16	BS-3
m,p-Xylene	5.04	0.100	mg/kg	4.00		126	88.2-124	6.48	16.2	BS-3
o-Xylene	2.42	0.050	mg/kg	2.00		121	84.9-118	6.75	16.7	BS-3
Total Xylenes	7.46	0.150	mg/kg	6.00		124	87.3-122	6.57	16.3	BS-3
Surrogate: 4-Bromofluorobenzene (PID)	0.0500		mg/kg	0.0500		100	71.5-134			

**Batch 3060624 - Volatiles****Blank (3060624-BLK1)**

Prepared &amp; Analyzed: 06-Jun-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:43

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3060624 - Volatiles****Blank (3060624-BLK1)**

Prepared &amp; Analyzed: 06-Jun-23

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0555		mg/kg	0.0500		111	71.5-134			

**LCS (3060624-BS1)**

Prepared &amp; Analyzed: 06-Jun-23

Benzene	2.13	0.050	mg/kg	2.00		107	81.4-118			
Toluene	2.13	0.050	mg/kg	2.00		106	88.7-121			
Ethylbenzene	2.22	0.050	mg/kg	2.00		111	86.1-120			
m,p-Xylene	4.42	0.100	mg/kg	4.00		110	88.2-124			
o-Xylene	2.17	0.050	mg/kg	2.00		108	84.9-118			
Total Xylenes	6.59	0.150	mg/kg	6.00		110	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0508		mg/kg	0.0500		102	71.5-134			

**LCS Dup (3060624-BS1)**

Prepared &amp; Analyzed: 06-Jun-23

Benzene	2.25	0.050	mg/kg	2.00		113	81.4-118	5.60	15.8	
Toluene	2.27	0.050	mg/kg	2.00		114	88.7-121	6.54	15.9	
Ethylbenzene	2.35	0.050	mg/kg	2.00		117	86.1-120	5.34	16	
m,p-Xylene	4.64	0.100	mg/kg	4.00		116	88.2-124	5.04	16.2	
o-Xylene	2.29	0.050	mg/kg	2.00		115	84.9-118	5.50	16.7	
Total Xylenes	6.94	0.150	mg/kg	6.00		116	87.3-122	5.19	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0509		mg/kg	0.0500		102	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: Mescalero 7-6  
Project Number: 237067  
Project Manager: BECKY HASKELL  
Fax To:

Reported:  
16-Jun-23 11:43

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3060629 - General Prep - Organics****Blank (3060629-BLK1)**

Prepared &amp; Analyzed: 06-Jun-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	37.9		mg/kg	49.6		76.6	48.2-134			
Surrogate: 1-Chlorooctadecane	39.2		mg/kg	50.0		78.5	49.1-148			

**LCS (3060629-BS1)**

Prepared &amp; Analyzed: 06-Jun-23

GRO C6-C10	184	10.0	mg/kg	200		92.1	78.5-124			
DRO >C10-C28	181	10.0	mg/kg	200		90.5	72.5-126			
Total TPH C6-C28	365	10.0	mg/kg	400		91.3	77.6-123			
Surrogate: 1-Chlorooctane	42.4		mg/kg	49.6		85.7	48.2-134			
Surrogate: 1-Chlorooctadecane	46.9		mg/kg	50.0		93.7	49.1-148			

**LCS Dup (3060629-BSD1)**

Prepared &amp; Analyzed: 06-Jun-23

GRO C6-C10	162	10.0	mg/kg	200		80.9	78.5-124	12.9	17.7	
DRO >C10-C28	159	10.0	mg/kg	200		79.3	72.5-126	13.2	21	
Total TPH C6-C28	320	10.0	mg/kg	400		80.1	77.6-123	13.0	18.5	
Surrogate: 1-Chlorooctane	37.4		mg/kg	49.6		75.6	48.2-134			
Surrogate: 1-Chlorooctadecane	41.5		mg/kg	50.0		83.0	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "C. D. Keene", written over a horizontal line.

---

Celey D. Keene, Lab Director/Quality Manager



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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> NTCB <b>Project Manager:</b> Reddy (to shell) <b>Address:</b> 162 E 1st Ave <b>City:</b> Canby, OR <b>State:</b> NM <b>Zip:</b> 88220 <b>Phone #:</b> 432-924-8854 <b>Fax #:</b> <b>Project #:</b> 237067 <b>Project Owner:</b> Earthstar <b>Project Name:</b> Mesalero <b>Project Location:</b> La Comany <b>Sampler Name:</b> T. K. (K. K. K.) <b>FOR LAB USE ONLY</b>				<b>P.O. #:</b> <b>Company:</b> <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>			
<b>Lab I.D.</b> H232868		<b>Sample I.D.</b> *		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>	
(S-24 (15')) (S-25 (15')) (S-26 (15')) (S-27 (15')) (S-28 (15')) (S-29 (2.5')) (S-30 (2.5')) (S-23 (1-2.5')) (S-24 (10-15')) (S-25 (6-15'))		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:		MATRIX PRESERV:		SAMPLING	
DATE 6-6-23		TIME 12:00		TPH Chlorides BTEX			
12:07 12:04 12:06 12:08 12:10 12:12 12:14 12:16 12:18							
<b>PLEASE NOTE:</b> Liability and Damages. Cardinal's liability and clients' exclusives remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.				<b>REMARKS:</b> * Customer requested ID check			
<b>Relinquished By:</b> [Signature]		<b>Date:</b> 6-6-23 <b>Received By:</b> [Signature]		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b>		<b>All Results:</b> <input type="checkbox"/> emailed. Please provide Email address:	
<b>Relinquished By:</b> [Signature]		<b>Date:</b> 8:34 <b>Received By:</b> [Signature]		<b>Turnaround Time:</b> Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		<b>Bacteria (only) Sample Condition:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Delivered By:</b> (Circle One) Sampler - UPS - Bus - Other:		<b>Observed Temp. °C:</b> 3.5 <b>Corrected Temp. °C:</b> 2.9		<b>Sample Condition:</b> <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Thermometer ID #113:</b> 24125 <b>Correction Factor -0.6°C</b>	
<b>CHECKED BY:</b> [Signature]				<b>Standard</b> <input checked="" type="checkbox"/> <b>Bacteria (only) Sample Condition</b> <input type="checkbox"/> <b>Observed Temp. °C</b>			





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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>NTEG</b>		P.O. #:		BILL TO		ANALYSIS REQUEST											
Project Manager: <b>Betty Anshel</b>		Company:															
Address: <b>4801 E. Wood Ave</b>		Attn:															
City: <b>Carlsbad</b>		Address:															
Phone #: <b>432-924-8056</b>		City:															
Project #: <b>237067</b>		State:															
Project Name: <b>mesa</b>		Zip:															
Project Location: <b>Lee County</b>		Phone #:															
Sampler Name: <b>Tyler Kunkel</b>		Fax #:															
FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME			
<b>H2328618</b>	<b>SW-26 (0-15')</b>	<b>*</b>	<b>1</b>			<b>X</b>							<b>6-6-23</b>	<b>12:20</b>	<b>Pit Chlorides BTEX</b>		
<b>11</b>	<b>SW-27 (0-15')</b>		<b>1</b>										<b>6-6-23</b>	<b>12:22</b>			
<b>12</b>	<b>SW-28 (0-15')</b>		<b>1</b>										<b>6-6-23</b>	<b>12:24</b>			
<b>13</b>	<b>SW-29 (0-15')</b>		<b>1</b>										<b>6-6-23</b>	<b>12:26</b>			
<b>14</b>	<b>SW-30 (0-15')</b>		<b>1</b>										<b>6-6-23</b>	<b>12:28</b>			
<b>15</b>	<b>SW-31 (0-2.5')</b>	<b>*</b>	<b>1</b>										<b>6-6-23</b>	<b>12:30</b>			
<b>16</b>	<b>SW-32 (2-5-15')</b>	<b>*</b>	<b>1</b>										<b>6-6-23</b>	<b>12:32</b>			
<small>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 the client for the 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 30 days after completion of the applicable analyses. 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 suppliers arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is "waived" upon any of the above stated reasons or otherwise.</small>																	
Relinquished By: <b>[Signature]</b>		Date: <b>6-6-23</b>		Received By: <b>[Signature]</b>		Time: <b>2:38</b>		Date: <b>6-6-23</b>		Time: <b>2:38</b>		Remarks: <b>* Customer requested ID changes. ** Customer requested ID changes. ID - 6/6/23</b>		Turnaround Time: <b>Standard</b>		Thermometer ID #113	
Relinquished By: <b>[Signature]</b>		Date: <b>6-6-23</b>		Received By: <b>[Signature]</b>		Time: <b>2:38</b>		Date: <b>6-6-23</b>		Time: <b>2:38</b>		Remarks: <b>* Customer requested ID changes. ** Customer requested ID changes. ID - 6/6/23</b>		Turnaround Time: <b>Standard</b>		Thermometer ID #113	
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: (Initials)		Turnaround Time: <b>Standard</b>		Thermometer ID #113		Remarks: <b>* Customer requested ID changes. ** Customer requested ID changes. ID - 6/6/23</b>		Turnaround Time: <b>Standard</b>		Thermometer ID #113	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		YES <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/>		Turnaround Time: <b>Standard</b>		Thermometer ID #113		Remarks: <b>* Customer requested ID changes. ** Customer requested ID changes. ID - 6/6/23</b>		Turnaround Time: <b>Standard</b>		Thermometer ID #113	





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June 13, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: MESCALERO 7-6

Enclosed are the results of analyses for samples received by the laboratory on 06/12/23 12:22.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 06/12/2023  
 Reported: 06/13/2023  
 Project Name: Mescalero 7-6  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 06/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 31 ( 15' ) (H232989-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.02	101	2.00	7.65	
Toluene*	<0.050	0.050	06/13/2023	ND	2.03	101	2.00	7.62	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.09	104	2.00	8.32	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.23	104	6.00	7.85	
Total BTEX	<0.300	0.300	06/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	06/12/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	167	83.7	200	4.74	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	173	86.6	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 06/12/2023  
 Reported: 06/13/2023  
 Project Name: Mescalero 7-6  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 06/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 32 ( 2.5' ) (H232989-02)**

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	06/13/2023	ND	2.02	101	2.00	7.65	
Toluene*	<0.050	0.050	06/13/2023	ND	2.03	101	2.00	7.62	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.09	104	2.00	8.32	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.23	104	6.00	7.85	
Total BTEX	<0.300	0.300	06/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/12/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	167	83.7	200	4.74	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	173	86.6	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 06/12/2023  
 Reported: 06/13/2023  
 Project Name: Mescalero 7-6  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 06/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 33 ( 2.5' ) (H232989-03)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.02	101	2.00	7.65	
Toluene*	<0.050	0.050	06/13/2023	ND	2.03	101	2.00	7.62	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.09	104	2.00	8.32	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.23	104	6.00	7.85	
Total BTEX	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	512	16.0	06/12/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	167	83.7	200	4.74	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	173	86.6	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 06/12/2023  
 Reported: 06/13/2023  
 Project Name: Mescalero 7-6  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 06/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 33 ( 0-15' ) (H232989-04)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.02	101	2.00	7.65		
Toluene*	<0.050	0.050	06/13/2023	ND	2.03	101	2.00	7.62		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.09	104	2.00	8.32		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.23	104	6.00	7.85		
Total BTEX	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	06/12/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	167	83.7	200	4.74	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	173	86.6	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 06/12/2023  
 Reported: 06/13/2023  
 Project Name: Mescalero 7-6  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 06/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 34 ( 0-15' ) (H232989-05)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.02	101	2.00	7.65		
Toluene*	<0.050	0.050	06/13/2023	ND	2.03	101	2.00	7.62		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.09	104	2.00	8.32		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.23	104	6.00	7.85		
Total BTEX	<0.300	0.300	06/13/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	06/12/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	167	83.7	200	4.74	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	173	86.6	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 06/12/2023  
 Reported: 06/13/2023  
 Project Name: Mescalero 7-6  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 06/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 35 ( 0-15' ) (H232989-06)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.02	101	2.00	7.65		
Toluene*	<0.050	0.050	06/13/2023	ND	2.03	101	2.00	7.62		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.09	104	2.00	8.32		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.23	104	6.00	7.85		
Total BTEX	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/12/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	167	83.7	200	4.74	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	173	86.6	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 06/12/2023  
 Reported: 06/13/2023  
 Project Name: Mescalero 7-6  
 Project Number: 237067  
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 06/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 36 ( 5.5-10' ) (H232989-07)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.02	101	2.00	7.65	
Toluene*	<0.050	0.050	06/13/2023	ND	2.03	101	2.00	7.62	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.09	104	2.00	8.32	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.23	104	6.00	7.85	
Total BTEX	<0.300	0.300	06/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/12/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	167	83.7	200	4.74	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	173	86.6	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### 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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\*=Accredited Analyte

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

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <b>NTEC</b>		P.O. #:		ANALYSIS REQUEST	
Project Manager: <b>Becky Hsueh</b>		Company:			
Address: <b>402 E. Wind Ave.</b>		Attn:			
City: <b>Carlsbad</b>		Address:			
Phone #: <b>432 924 8056</b>		City:			
Fax #: <b>432 924 8056</b>		State:			
Project #: <b>237067</b>		Zip:			
Project Owner: <b>Earthstone</b>		Phone #:			
Project Location: <b>Lea Landry</b>		Fax #:			
Sampler Name: <b>Cyler Kimball</b>					

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER			
H232489	CS-31 (2.5')		1			X				6-12-23	10:00	TPH Chlorides BTEX
	CS-32 (2.5')		1							10:02		
	CS-33 (2.5')		1							10:04		
	SW-33 (0-15')		1							10:06		
	SW-34 (0-15')		1							10:08		
	SW-35 (0-15')		1							10:10		
	SW-36 (5.5-10')		1							10:12		

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Relinquished By: <b>[Signature]</b>	Date: <b>6-12-23</b>	Received By: <b>[Signature]</b>	Date: <b>6-12-23</b>
Time: <b>12:22</b>	Time: <b>12:22</b>	Time: <b>12:22</b>	Time: <b>12:22</b>

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only)	Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	<b>Y.P.</b>	Thermometer ID #113	<b>Rush</b>	<input checked="" type="checkbox"/>	Observed Temp. °C
		Yes <input type="checkbox"/> No <input type="checkbox"/>		Correction Factor -0.6°C	<b>24hr</b>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)

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Phone:(575) 748-1283 Fax:(575) 748-9720

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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 254406

CONDITIONS

Operator: Earthstone Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 331165
	Action Number: 254406
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	12/4/2023