

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	23E	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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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

<input 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>Rebecca Haskell</u>	Date: <u>2/28/23</u>
email: <u>bhaskell@ntglobal.com</u>	Telephone: <u>432-766-1918</u>
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>06/05/2023</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 not 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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Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: 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



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

June 2, 2023

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

**Re: Site Characterization and Remediation Update 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 Characterization and Remediation Update 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 to date 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. Figures 1 and 2 depict the Site location. The initial 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. The release occurred due to a produced water transfer hose being seriously damaged and when the valves were opened it resulted in a release. A vac truck was called, and soil was pushed and stockpiled to prevent further spread of fluids.

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. The Release Notification, Site Assessment/Characterization, and Remediation Plan portions of Form C-141 are attached to the front of this report.

Mr. Mike Bratcher
June 2, 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 12th, 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 H-11) 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 (Cardinal) in Hobbs, New Mexico. Analytical results from NTGE's assessment indicated

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June 2, 2023
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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, 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

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. The confirmation samples were submitted to Cardinal for analysis of BTEX, TPH, and chloride. 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.

Subsequent to the May 10, 2023, sample event remediation activities were shut down due to unmarked pipelines that were discovered in the vicinity of the excavation areas. On May 22, 2023, NTGE and Standard returned to the site to resume remediation activities and found the excavation area filled with rainwater and remediation activities were once again put on hold and remediation activities again resumed on June 1, 2023.

To date, approximately 1,297.96 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 current excavation extent and confirmation sample locations are shown on Figure 4. Analytical results of the confirmation samples are included in Table 1, and in the Laboratory Analytical Reports provided in Attachment D. A Photographic Log is provided as Attachment C and Confirmation Sampling Notifications are provided as Attachment B.

6. nAPP2305947643 Remediation Plan

- The area represented by CS-3 will be further excavation due to chloride concentrations over Table I Closure Criteria.
- The area represented by SW-11 will be further excavated due to chloride concentrations over Table I Closure Criteria.
- The areas represented by S-7 and S-8 are currently excavated to approximately six (6) feet bgs. Excavation activities will continue in this area to approximately eleven (11) feet bgs.
- Confirmation samples will be collected from areas representing no more than two hundred (200) square feet and taken to a laboratory for analysis of BTEX, TPH, and chloride.

Mr. Mike Bratcher
June 2, 2023
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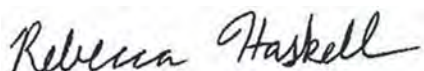
- Once remediation activities are completed the excavation will be backfilled with non-impacted material and a closure report will be prepared and submitted to the NMOCD.
- Remediation activities are expected to be complete by August 23, 2023.
- NTGE anticipates an additional seven hundred (700) cubic yards of material to be excavated and disposed of.

The Release Notification, Site Assessment/Characterization, and Remediation Plan portions of Form C-141 are attached to the front of this report.

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

Sincerely,

NTG Environmental



Becky Haskell
Senior Project Manager

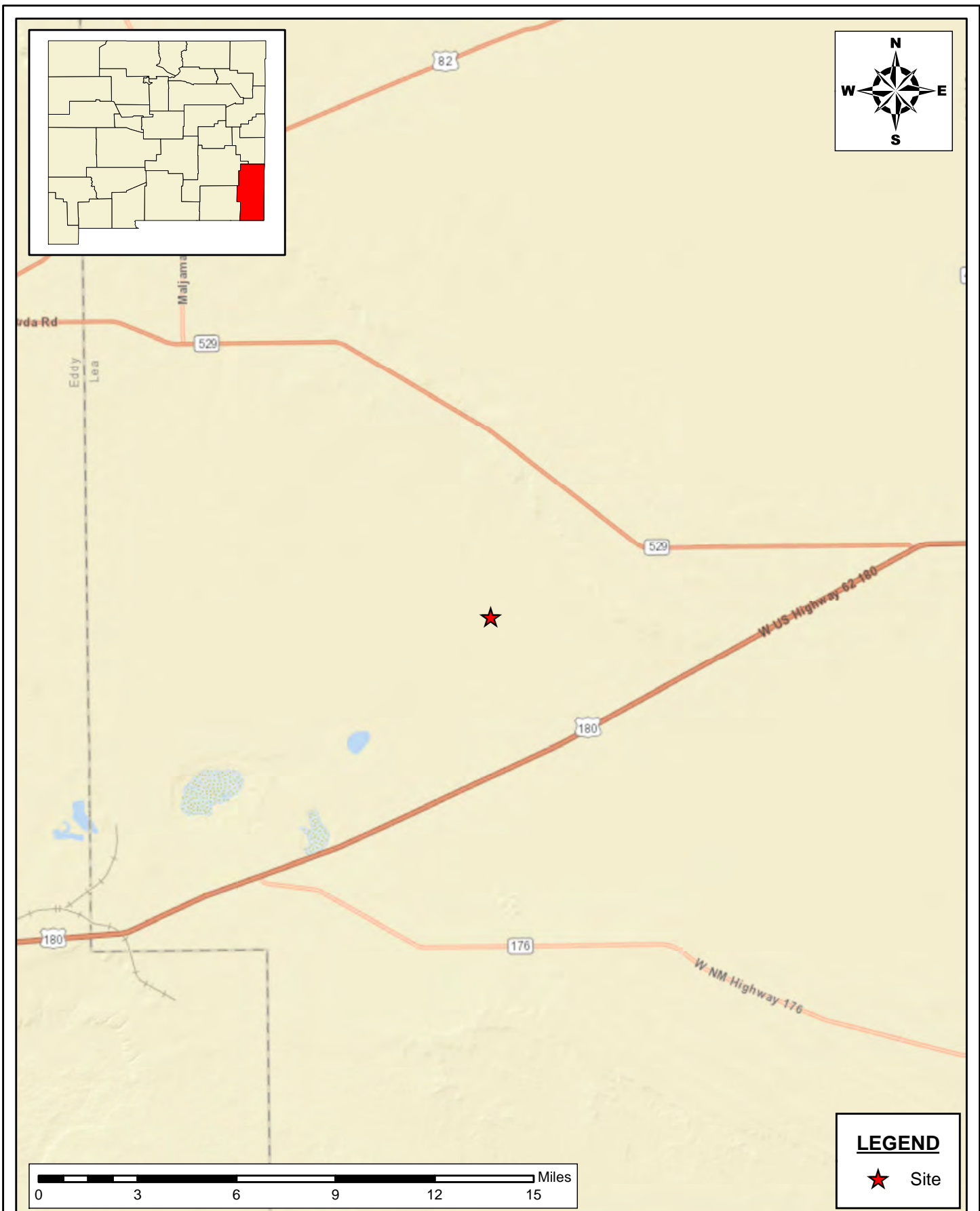
Attachments:

- Figure 1: Site Location Map
- Figure 2: Topographic Map
- Figure 3: Site Assessment Map
- Figure 4: Confirmation Sample Map
- Table 1: Summary of Soil Analytical Data
- Appendix A: Site Characterization Documentation
- Appendix B: Confirmation Sampling Notifications
- Appendix C: Photographic Log
- Appendix 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

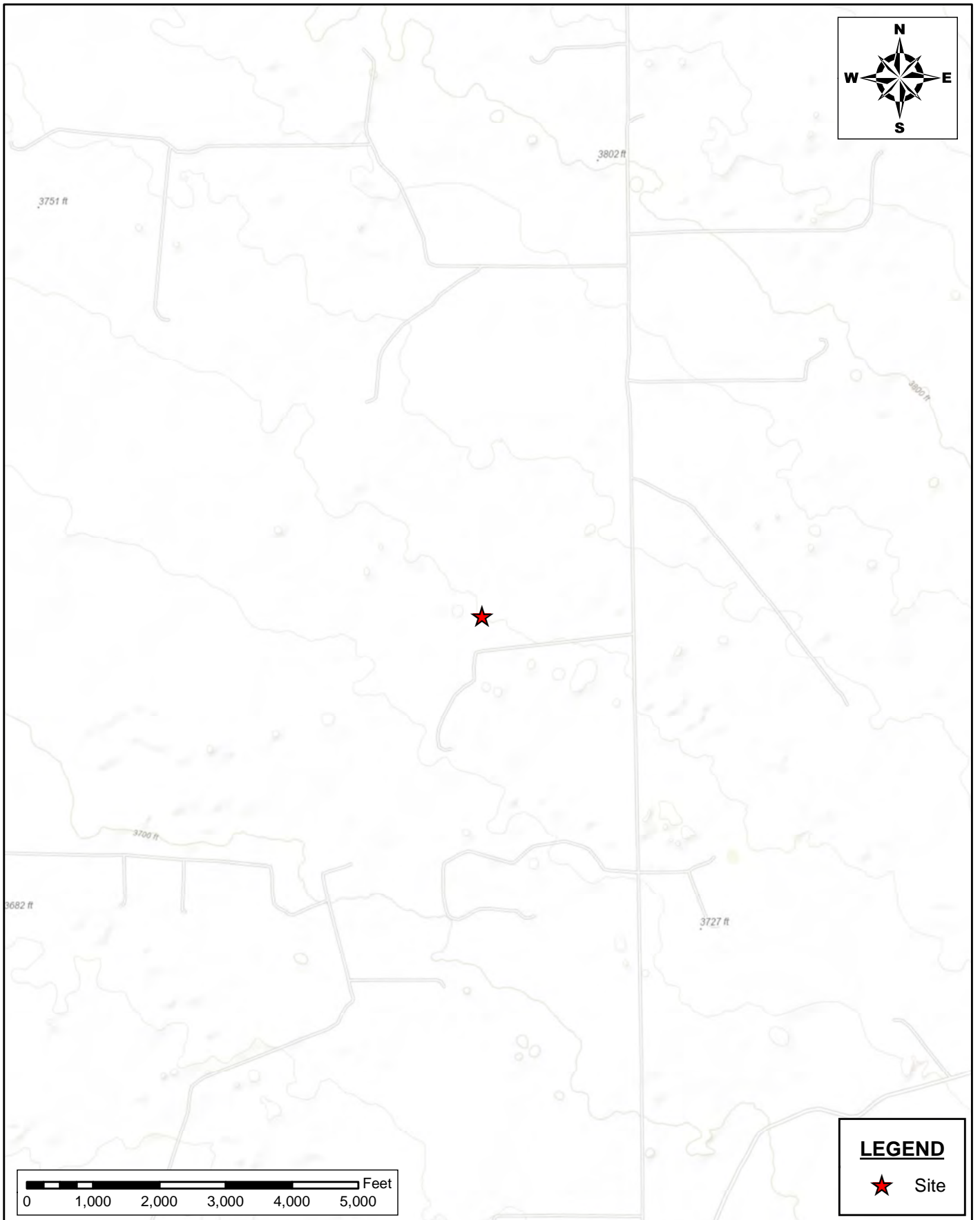
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FIGURE 1

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:

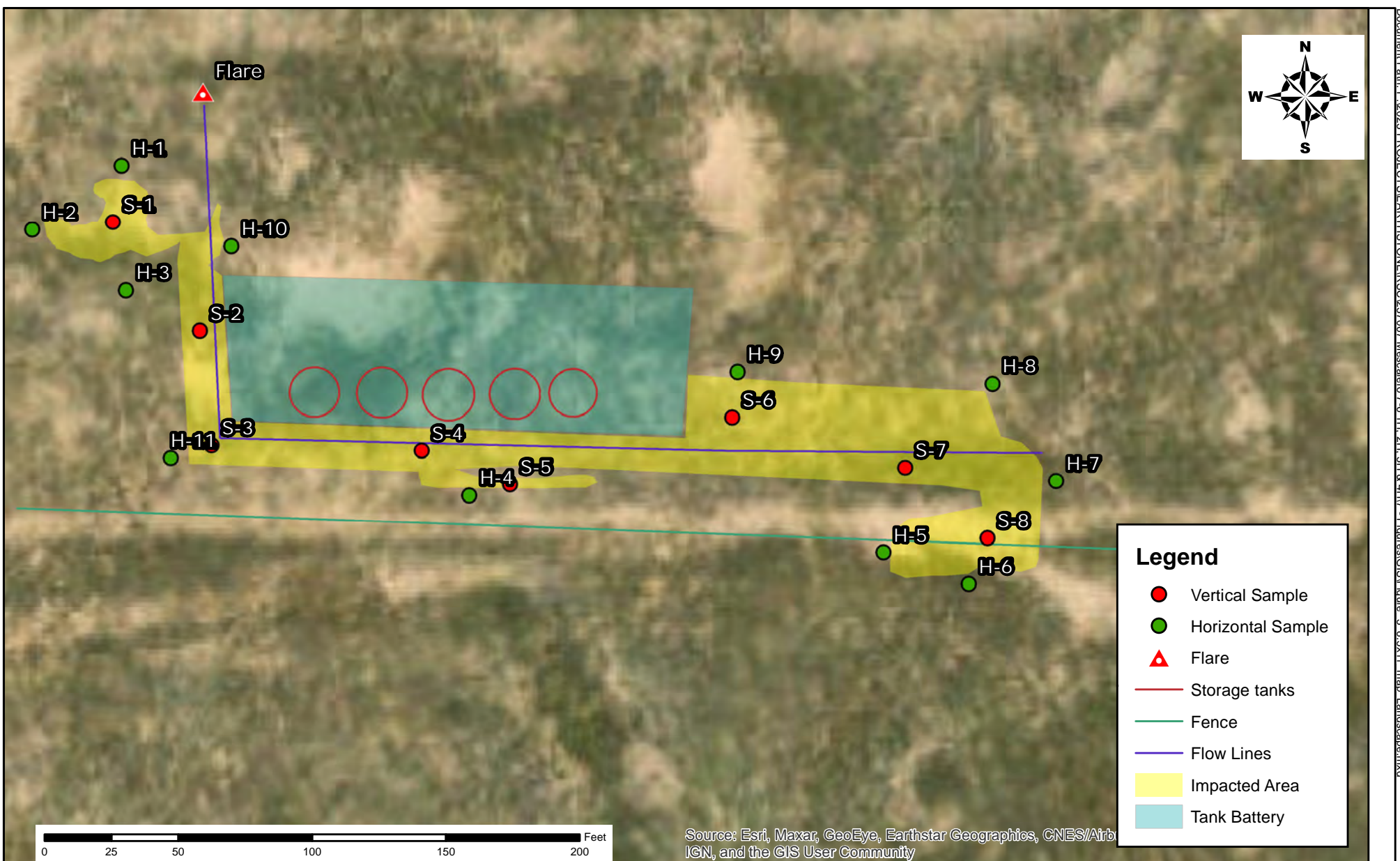
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2. Map Projection: NAD 1983

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FIGURE 2

SHEET NUMBER:

1 of 1



Document Path: P:\2023 PROJECTS\EARTHSTONE\FIGURES\FIGURE 3-8 5x11 map landscape.mxd

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



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

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 1 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
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

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

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
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	
Confirmation Bottom Hole Samples														
CS-1	5/10/2023	2.5'	<0.500	<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'	<0.500	<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'	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	656	
CS-4	5/10/2023	2.5'	<0.500	<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'	<0.500	<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'	<0.500	<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'	<0.500	<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'	<0.500	<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'	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
CS-10	5/10/2023	2.5'	<0.500	<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'	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
CS-12	5/10/2023	1'	<0.500	<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'	<0.500	<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'	<0.500	<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'	<0.500	<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'	<0.500	<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'	<0.500	<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'	<0.500	<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'	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
Confirmation Sidewall Samples														
SW-1	5/10/2023	0-2.5'	<0.500	<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'	<0.500	<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'	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
SW-4	5/10/2023	2.5'-10'	<0.500	<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'	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160	
SW-6	5/10/2023	2.5'-10'	<0.500	<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'	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512	
SW-8	5/10/2023	2.5'-10'	<0.500	<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'	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208	
SW-10	5/10/2023	2.5'-5.5'	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
SW-11	5/10/2023	0-2.5'	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	832	
SW-12	5/10/2023	0-5.5'	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
SW-13	5/10/2023	2.5'-5.5'	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64	
SW-14	5/10/2023	0-5.5'	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
SW-15	5/10/2023	0-2.5'	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	

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

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C-10)	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			
SW-16	5/10/2023	0-2.5'	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
SW-17	5/10/2023	0-1'	<0.500	<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'	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
SW-19	5/10/2023	1'-2.5'	<0.500	<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'	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

Notes:

1. Values reported in mg/kg

2. < = Value Less Than Reporting Limit (RL)

3. Bold indicates Analyte Detected

4. BTEX analyses by EPA Method SW 8021B

5. TPH analyses by EPA Method SW 8015 Mod.

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

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

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

9. --- Not Analyzed

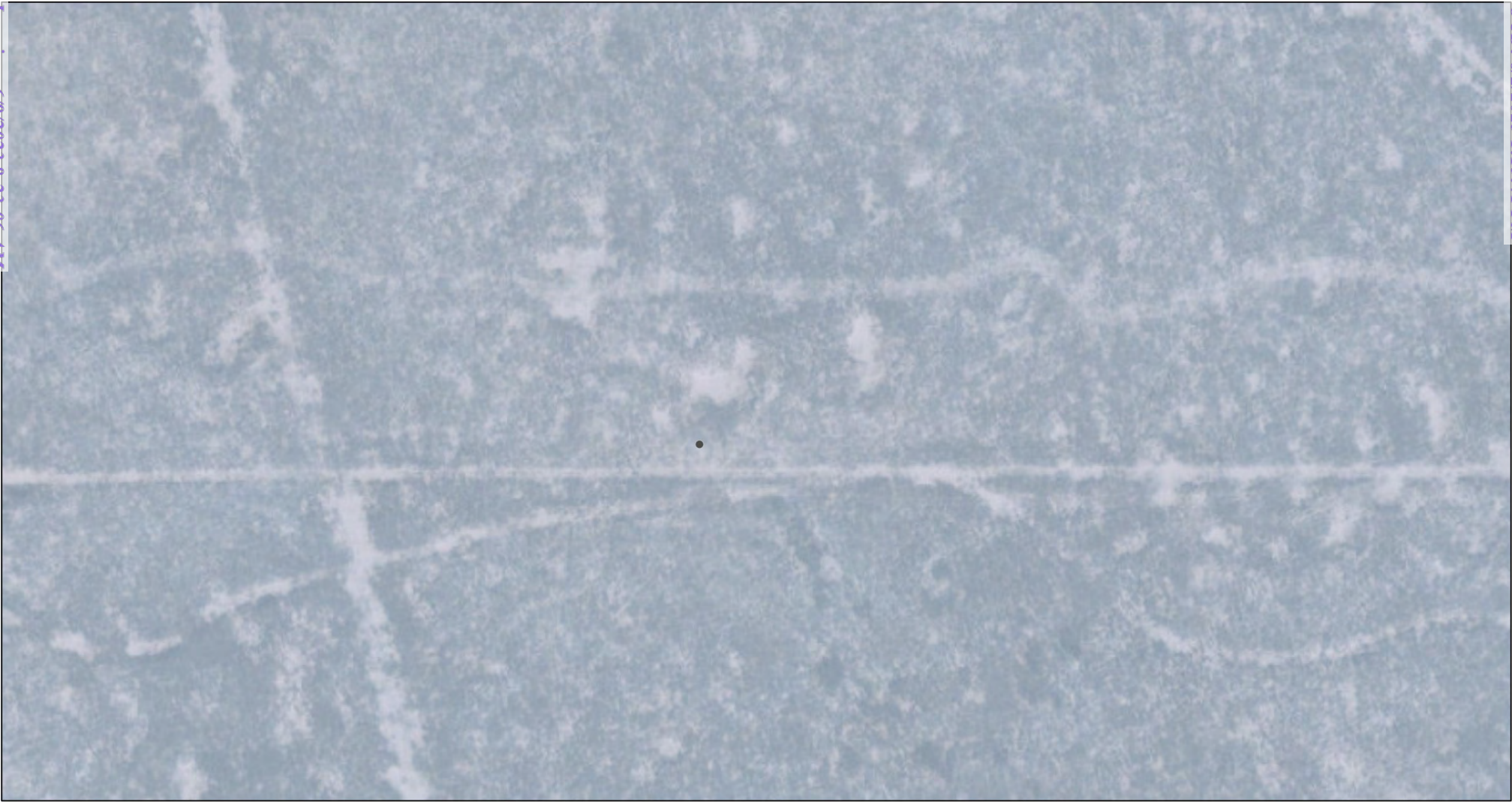
SP-1

Sample Point Excavated

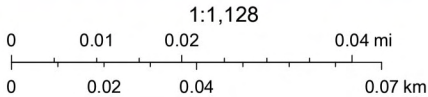
ATTACHMENT A: SITE CHARACTERIZATION DOCUMENTATION



Site Characterization Map



6/1/2023, 3:48:41 PM
Karst Occurrence Potential
Low



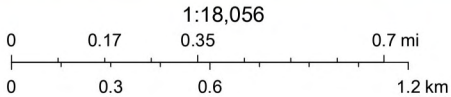
BLM, OCD, New Mexico Tech, Maxar, Microsoft, USGS,
Esri, HERE, Garmin, IPC, NM OSE

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

Web Generated Map
Map is generated by web users.



National Water Information System: Mapper



Mescalero 7-6 1H-4H

KARST

Legend

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

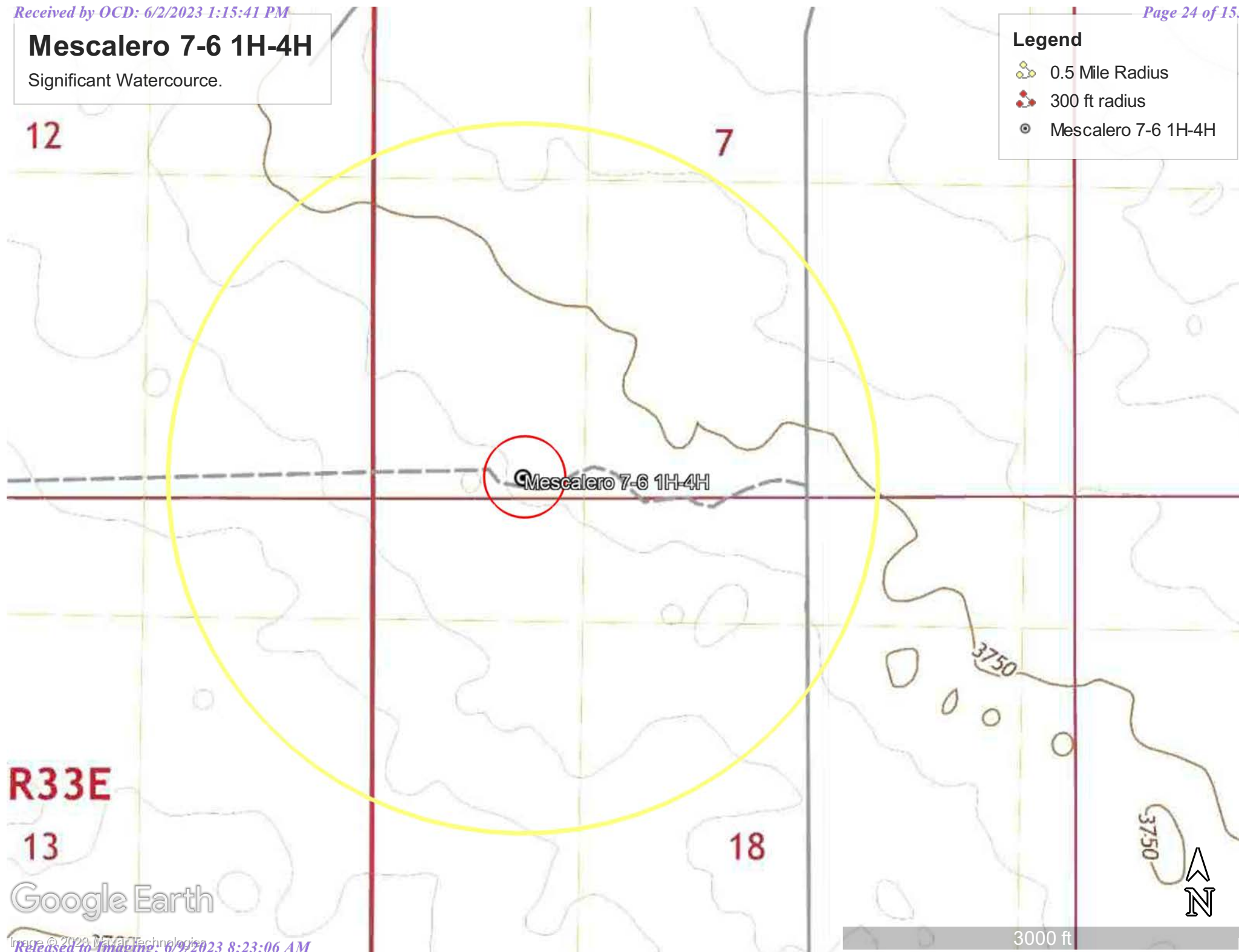


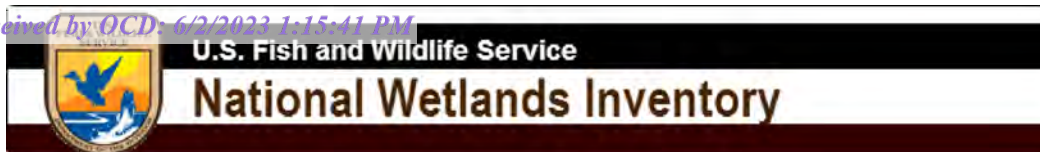
Mescalero 7-6 1H-4H

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 FIRMMette



103°36'35"W 32°40'19"N



Legend

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

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

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **5/30/2023 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
[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, CSHO²
Project Scientist
(432) 556-2006
Rbaer@ntglobal.com



STATEMENT OF CONFIDENTIALITY: The contents of this e-mail and its attachments are intended solely for the addressee(s) hereof. In addition, this e-mail transmission may be confidential. If you are not the named addressee, or if this message has been addressed to you in error, you are directed not to read, disclose, reproduce, distribute, disseminate or otherwise use this transmission. Delivery of this message to any person other than the intended recipients(s) is not intended in any way to waive confidentiality. If you have received this transmission in error, please alert the sender by reply e-mail; we also request that you immediately delete this message and its attachments, if any.

ATTACHMENT C: PHOTOGRAPHIC LOG



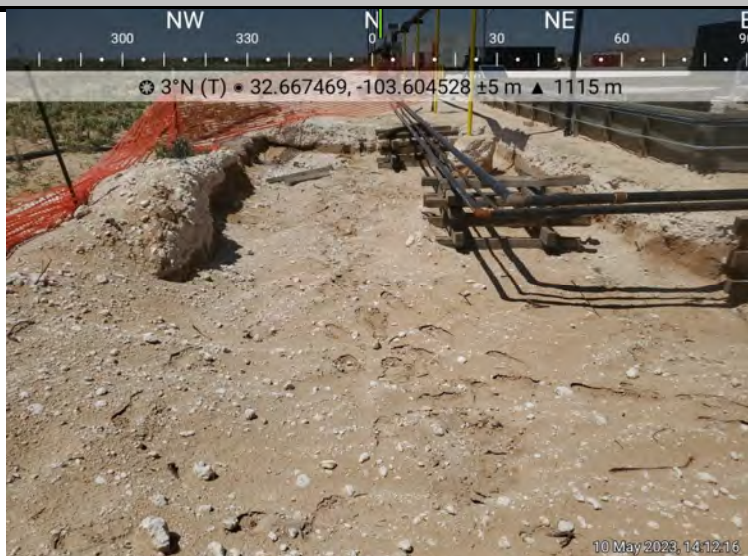
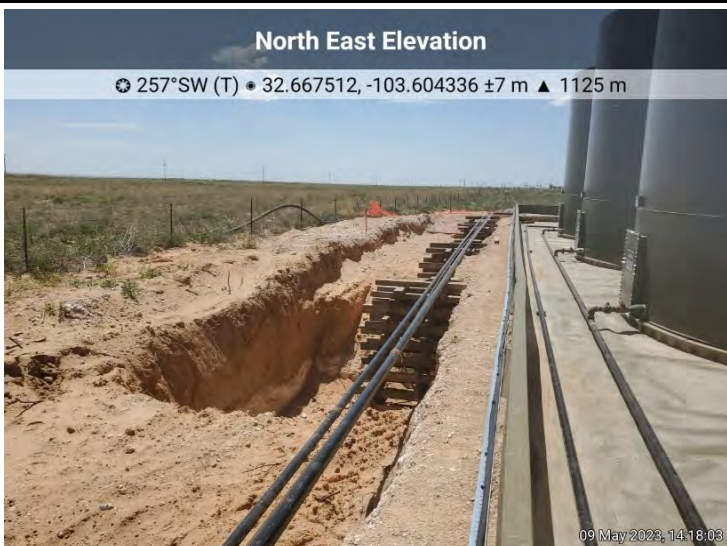
PHOTOGRAPHIC LOG

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

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.

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: 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 - 1 (0-.5) (H231740-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	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) 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

Cardinal Laboratories

*=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: 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, SM4500CI-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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*=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: 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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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 (1-1.5) (H231740-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	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) 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, SM4500CI-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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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 (1-1.5) (H231740-07)

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	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	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

Cardinal Laboratories

*=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: S - 4 (2-2.5) (H231740-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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	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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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 (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, SM4500Cl-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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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)

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	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)

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) 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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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)

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) 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	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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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)

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	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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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 - 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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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 - 6 (1-1.5) (H231740-17)

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	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



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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 (0-.5) (H231740-18)

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) 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	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)

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, 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)

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	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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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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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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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, 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	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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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 (6-6.5) (H231740-24)

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) 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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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 (7-7.5) (H231740-25)

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	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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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 (8-8.5) (H231740-26)

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	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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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 (9-9.5) (H231740-27)

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) 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)

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	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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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)

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) 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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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 (2-2.5) (H231740-32)

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	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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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 (4-4.5) (H231740-34)

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) 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	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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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)

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, 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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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 (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, SM4500Cl-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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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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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, SM4500Cl-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



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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 - 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, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	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, SM4500CI-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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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)

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, SM4500Cl-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)

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	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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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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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, SM4500CI-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)

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	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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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 - 10 (0-5) (H231740-51)

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	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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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, SM4500CI-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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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										BILL TO		ANALYSIS REQUEST																							
Company Name: NT6E										P.O. #:																									
Project Manager: Becky Haskell										Company:																									
Address: 402 E Wood Ave										Attn:																									
City: Carlsbad State: NM Zip: 88220										Address:																									
Phone #: 602-924-8050 Fax #:										City:																									
Project #: 237067 Project Owner: Eaststone										State: Zip:																									
Project Name: Mesalero										Phone #:																									
Project Location: Lea County										Fax #:																									
Sampler Name: Tyler Leibel																																			
FOR LAB USE ONLY																																			
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING		PH Chlorides BTEX																					
				GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE												OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME	
H231740		S-1 (0-5)		6		1		X																								4-11			
1		S-2 (0-5)		1		1																													
2		S-3 (0-5)		1		1																													
3		S-3 (1-1.5)		1		1																													
4		S-3 (2-2.5)		1		1																													
5		S-4 (0-1.5)		1		1																													
6		S-4 (1-1.5)		1		1																													
7		S-4 (2-2.5)		1		1																													
8		S-4 (3-3.5)		1		1																													
9		S-4 (4-4.5)		1		1																													
10																																			
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Relinquished By: [Signature]										Time: 1:41 pm		Date: [Signature]		Received By: [Signature]		REMARKS:																			
Delivered By: (Circle One)										Observed Temp. °C 1.2		Sample Condition Cool Intact		CHECKED BY: (Initials) [Signature]		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C																	
Sampler - UPS - Bus - Other:										Corrected Temp. °C 0.6		<input type="checkbox"/> Yes <input type="checkbox"/> No				Thermometer ID #113 Correction Factor -0.6°C		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C																	



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NT6E				BILL TO				ANALYSIS REQUEST																			
Project Manager: Bachy Haskell				P.O. #:																							
Address: 402 E Wood Ave				Company:																							
City: Carlsbad State: NM Zip: 88220				Attn:																							
Phone #: 602-924-8050 Fax #:				Address:																							
Project #: 237067 Project Owner: Earthstone				City:																							
Project Name: Mescalero				State: Zip:																							
Project Location: Lea County				Phone #:																							
Sampler Name: Tyler Leimbach				Fax #:																							
FOR LAB USE ONLY																<div style="display: flex; justify-content: space-around;"> <div>PLT</div> <div>Chlorides</div> <div>BTEX</div> </div>											
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP		# CONTAINERS		MATRIX				PRESERV.		SAMPLING													



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NT6E				BILL TO		ANALYSIS REQUEST																	
Project Manager: Bachy Haskell				P.O. #:																			
Address: 402 E Wood Ave				Company:																			
City: Carlsbad State: NM Zip: 88220				Attn:																			
Phone #: 602-924-8050 Fax #:				Address:																			
Project #: 237067 Project Owner: Earthstone				City:																			
Project Name: Mescalero				State: Zip:																			
Project Location: Lea County				Phone #:																			
Sampler Name: Tyler Leibkall				Fax #:																			
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP		# CONTAINERS		MATRIX				PRESERV.		SAMPLING									
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE ICE / COOL OTHER:		DATE TIME									
H231740				6		1		X				✓		4-11									
21		5-7 (3-3.5)												X									
22		5-7 (4-4.5)												X									
23		5-7 (5-5.5)												X									
24		5-7 (6-6.5)																					
25		5-7 (7-7.5)																					
26		5-7 (8-8.5)																					
27		5-7 (9-9.5)																					
28		5-7 (10-10.5)																					
29		5-7 (11-11.5)																					
30		5-8 (0-.5)																					
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Relinquished By: [Signature]				Date: 4-12-23				Received By: [Signature]				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:											
Time: 1:41 pm				Date: 4-12-23				Received By: [Signature]				All Results are emailed. Please provide Email address:											
Time: 1:41 pm				Date: 4-12-23				Received By: [Signature]				REMARKS:											
Delivered By: (Circle One)				Observed Temp. °C 1.2				Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				CHECKED BY: (Initials) T-0											
Sampler - UPS - Bus - Other:				Corrected Temp. °C 0.6				Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>				Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Observed Temp. °C											
FORM-006 R 3.5 07/10/22								Thermometer ID #113 Correction Factor -0.6°C				Corrected Temp. °C											



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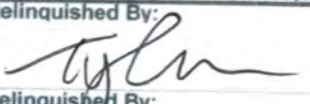

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST


Page 58 of 60

Company Name: NT6E				BILL TO								ANALYSIS REQUEST											
Project Manager: Bachy Haskeel				P.O. #:																			
Address: 402 E Wood Ave				Company:																			
City: Carlsbad State: NM Zip: 88220				Attn:																			
Phone #: 602-924-8056 Fax #:				Address:																			
Project #: 237067 Project Owner: Earthstone				City:																			
Project Name: mescalero				State: Zip:																			
Project Location: Lea County				Phone #:																			
Sampler Name: Tyler Leimbach				Fax #:																			

FOR LAB USE ONLY		(GIRAB OR (C)OMP.		# CONTAINERS		MATRIX					PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE:	TIME															
H231740	S-8 (1-1.5)	6	1			X					<input checked="" type="checkbox"/>		4-11	11	X	X	X												
31	S-8 (2-2.5)												4-11	11															
32	S-8 (3-3.5)												4-11	11															
33	S-8 (4-4.5)												4-11	11															
34	S-8 (5-5.5)												4-11	11															
35	S-8 (6-6.5)												4-11	11															
36	S-8 (7-7.5)												4-11	11															
37	S-8 (8-8.5)												4-12	12															
38	S-8 (9-9.5)												4-12	12															
39	S-8 (10-10.5)												4-12	12															
40																													

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Relinquished By: 		Date: 4-12-23	Received By: 	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Time: 1:41 PM		Date:	Received By:	All Results are emailed. Please provide Email address:
Relinquished By:		Date:	Received By:	REMARKS:
Time:				

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C: 1.2 Corrected Temp. °C: 0.6	Sample Condition: <input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) 	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Bacteria (only) Sample Condition: Cool Intact Observed Temp. °C: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C:
Thermometer ID #113 Correction Factor -0.6°C					

FORM-006 R 3.3 07/18/22

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTE Project Manager: Rodney Haskell Address: 402 E Wood Ave City: Carlsbad State: NM Zip: 88220 Phone #: 505-924-8056 Fax #: Project #: 237067 Project Owner: Earthstone Project Name: Mesalero Project Location: Lea County Sampler Name: Tyler Leimball				BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST															
FOR LAB USE ONLY				MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				PRESERV. ACID/BASE ICE / COOL OTHER:		SAMPLING DATE TIME		PH Chlorides BTEX									
Lab I.D. H231740		Sample I.D. S-8 (11-11.5) H-1 (0-.5) H-2 (0-.5) H-3 (0-.5) H-4 (0-.5) H-5 (0-.5) H-6 (0-.5) H-7 (0-.5) H-8 (0-.5) H-9 (0-.5)		(G)RAB OR (C)OMP. # CONTAINERS 6 1		X X X X X X X X X				4-12 4-11 4-11 4-11 4-11 4-11 4-11 4-11 4-11 4-11		X X X X X X X X X									

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Relinquished By: Date: 4-12-23 Time: 1:41 pm Signature: [Signature]		Received By: Date: [Blank] Time: [Blank] Signature: [Signature]		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address:	
Relinquished By: Date: [Blank] Time: [Blank]		Received By: Date: [Blank] Time: [Blank]		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C 1.2 Corrected Temp. °C 0.6		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush		Thermometer ID #113 Correction Factor -0.6°C		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	

FORM-006 R 3.3 07/18/22

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NT6E Project Manager: Becky Haskell Address: 402 E Wood Ave City: Carlsbad State: NM Zip: 88220 Phone #: 505-924-8050 Fax #: Project #: 237067 Project Owner: Earthstone Project Name: Mesalero Project Location: Lea County Sampler Name: Tyler Leibkall				BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST															
FOR LAB USE ONLY				MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		PRESERV. ACID/BASE: ICE / COOL OTHER:		SAMPLING DATE: 4/24/11 TIME: 4:24-11		pH Chlorides BTEX											
Lab I.D. H231740 57 52		Sample I.D. H-10 (O.S.) H-11 (O.S.)		(GRAB OR C/COMP) # CONTAINERS 1 1																	

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Relinquished By: 		Date: 4-12-23 Time: 1:41 PM		Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address:	
Relinquished By:		Date: Time:		Received By:		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: 1.2 Corrected Temp. °C: 0.6		Sample Condition: Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		CHECKED BY: (Initials) 	
FORM-006-R 3.3.07/18/22		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Bacteria (only) Sample Condition: Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #113 Correction Factor -0.5°C	

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

June 02, 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.

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:
02-Jun-23 08:44

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



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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:
02-Jun-23 08:44

SW - 6 (2.5-10')	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 (2.5-10')	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.

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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:
02-Jun-23 08:44

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

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

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:
02-Jun-23 08:44

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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			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	

<i>Surrogate: 1-Chlorooctane</i>			112 %	48.2-134		3051133	MS	11-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			123 %	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:
02-Jun-23 08:44

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



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:
02-Jun-23 08:44

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



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:
02-Jun-23 08:44

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



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:
02-Jun-23 08:44

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**

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)			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:
02-Jun-23 08:44

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**

Chloride	480		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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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:
02-Jun-23 08:44

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

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

Surrogate: 1-Chlorooctadecane 117 % 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:
02-Jun-23 08:44

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:
02-Jun-23 08:44

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



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:
02-Jun-23 08:44

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



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:
02-Jun-23 08:44

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	

<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	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	

<i>Surrogate: 1-Chlorooctane</i>			97.4 %	48.2-134		3051133	MS	11-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			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:
02-Jun-23 08:44

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**

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

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

Surrogate: 1-Chlorooctadecane 106 % 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:
02-Jun-23 08:44

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



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:
02-Jun-23 08:44

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**

Chloride	64.0		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			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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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:
02-Jun-23 08:44

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**

Chloride	64.0		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	

<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:
02-Jun-23 08:44

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:
02-Jun-23 08:44

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**

Chloride	64.0		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	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



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:
02-Jun-23 08:44

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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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:
02-Jun-23 08:44

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**

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	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



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:
02-Jun-23 08:44

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**

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)			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



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:
02-Jun-23 08:44

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**

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	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			99.6 %	48.2-134		3051134	MS	12-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			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:
02-Jun-23 08:44

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**

Chloride	144		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:
02-Jun-23 08:44

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:
02-Jun-23 08:44

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:
02-Jun-23 08:44

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:
02-Jun-23 08:44

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:
02-Jun-23 08:44

SW - 6 (2.5-10')**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:
02-Jun-23 08:44

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**

Chloride	512		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

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

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:
02-Jun-23 08:44

SW - 8 (2.5-10')**H232356-30 (Soil)**

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

Chloride	208		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



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:
02-Jun-23 08:44

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**

Chloride	208		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:
02-Jun-23 08:44

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**

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	

<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>			101 %		48.2-134	3051134	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			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:
02-Jun-23 08:44

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**

Chloride	832		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	99.7 %	48.2-134	3051134	MS	12-May-23	8015B	
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Surrogate: 1-Chlorooctadecane	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:
02-Jun-23 08:44

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**

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	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			106 %	48.2-134		3051134	MS	12-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			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:
02-Jun-23 08:44

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:
02-Jun-23 08:44

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:
02-Jun-23 08:44

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



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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:
02-Jun-23 08:44

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**

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	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



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:
02-Jun-23 08:44

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	
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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			100 %	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:
02-Jun-23 08:44

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:
02-Jun-23 08:44

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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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:
02-Jun-23 08:44

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:
02-Jun-23 08:44

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 & Analyzed: 12-May-23

Chloride	ND	16.0	mg/kg
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LCS (3051219-BS1)

Prepared & Analyzed: 12-May-23

Chloride	432	16.0	mg/kg	400	108	80-120
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LCS Dup (3051219-BSD1)

Prepared & 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 & Analyzed: 12-May-23

Chloride	ND	16.0	mg/kg
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LCS (3051220-BS1)

Prepared & Analyzed: 12-May-23

Chloride	432	16.0	mg/kg	400	108	80-120
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LCS Dup (3051220-BSD1)

Prepared & 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 & Analyzed: 12-May-23

Chloride	ND	16.0	mg/kg
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LCS (3051221-BS1)

Prepared & Analyzed: 12-May-23

Chloride	432	16.0	mg/kg	400	108	80-120
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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:
02-Jun-23 08:44

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 & 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:
02-Jun-23 08:44

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 & 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 & 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 & 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 & 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:
02-Jun-23 08:44

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 & 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 & 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 & 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 & 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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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:
02-Jun-23 08:44

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 & 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-BSD1)

Prepared & 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			

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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:
02-Jun-23 08:44

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 & 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 & 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 & 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 & 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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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:
02-Jun-23 08:44

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	----------------	-----	--------------	-------

Batch 3051133 - General Prep - Organics**LCS (3051133-BS1)**

Prepared & 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 & 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 & 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 & 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:
02-Jun-23 08:44

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 & 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 "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H232356

Page 1 of 5

Page 55 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. Marienfeld, 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"/> Brownfie <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		Due Date:		24HR		<div style="display: flex; justify-content: space-between;"> <div>Parameters</div> <div>BTEX 8021B</div> <div>TPH 8015M (GRO + DRO + MRO)</div> <div>Chloride 4500</div> </div>												None: NO		DI Water: H ₂ 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 ₃ : HN	
PO #:																						H ₂ SO ₄ : H ₂		NaOH: Na	
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																	
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		113																			
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:		-0.6°C																			
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		0.3°C																			
Total Containers:		42		Corrected Temperature:		-0.3°C																			
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments					
CS-1 (2.5')		5.10.23	2:00PM	x		Comp	1	x	x	x															
CS-2 (2.5')		5.10.23	2:02PM	x		Comp	1	x	x	x															
CS-3 (2.5')		5.10.23	2:04PM	x		Comp	1	x	x	x															
CS-4 (2.5')		5.10.23	2:06PM	x		Comp	1	x	x	x															
CS-5 (2.5')		5.10.23	2:08PM	x		Comp	1	x	x	x															
CS-6 (10')		5.10.23	2:10PM	x		Comp	1	x	x	x															
CS-7 (10')		5.10.23	2:12PM	x		Comp	1	x	x	x															
CS-8 (2.5')		5.10.23	2:14PM	x		Comp	1	x	x	x															
CS-9 (5.5')		5.10.23	2:16PM	x		Comp	1	x	x	x															
CS-10 (2.5')		5.10.23	2:18PM	x		Comp	1	x	x	x															

Additional Comments: Billing Code: EAROPEMTX

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	2	5-11-23 1210			
3					
5					



Chain of Custody

Work Order No: H232356Page 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. Marienfeld, 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"/> Brownfie <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"/> Le <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaP <input type="checkbox"/> Other:

Project Name:		Mescalero 7-6		Turn Around				ANALYSIS REQUEST												Preservative Codes							
Project Number:		237067		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code														None: NO DI Water: H ₂ 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 ₃ : HN							
PO #:																				H ₂ SO ₄ : H ₂ NaOH: Na							
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>														H ₃ PO ₄ : HP					
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		713														NaHSO ₄ : NABIS							
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:		-0.6°C														Na ₂ S ₂ O ₃ : NaSO ₃							
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		0.3°C														Zn Acetate+NaOH: Zn							
Total Containers:		42		Corrected Temperature:		-0.3°C														NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
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 to 6/1/23

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		5-11-23 1210	2		
3			4		
5			6		



Chain of Custody

Work Order No: H232356

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. Marienfeld, 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"/> Brownfie <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 ₂ 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 ₃ : HN	
PO #:																				H ₂ SO ₄ : H ₂ NaOH: Na	
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>														H ₃ PO ₄ : HP	
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		113														NaHSO ₄ : NABIS	
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:		-0.6°C														Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		0.3°C														Zn Acetate+NaOH: Zn	
Total Containers:		42		Corrected Temperature:		-0.3°C														NaOH+Ascorbic Acid: SAPC	
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													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: EAROPEMTX

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i>	<i>[Signature]</i>	5-11-23 1210	2		
3			4		
5			6		



Chain of Custody

Work Order No: H232356

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. Marienfeld, 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"/>	Brownfie <input type="checkbox"/>	Rs <input type="checkbox"/> R <input type="checkbox"/> Supe <input type="checkbox"/>
State of Project:				
Reporting:	Level <input type="checkbox"/>	Level <input type="checkbox"/>	PST/U <input type="checkbox"/>	TR <input type="checkbox"/> Le <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/>	ADaP <input type="checkbox"/>	Other:	

[illegible]

Additional Comments:	Billing Code: EAROPEMTX
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Relinquished by: (Signature)		Received by: (Signature)		Date/Time	Relinquished by: (Signature)		Received by: (Signature)		Date/Time
1				5-11-23 1210	2				
3					4				
5					6				

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 223371

CONDITIONS

Operator: Earthstone Operating, LLC 1400 Woodloch Forest; Ste 300 The Woodlands, TX 77380	OGRID: 331165
	Action Number: 223371
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Operator provided site assessment/characterization & remediation plan timely on 06/02/2023. Time extension for final closure approved to 08/21/2023. Remediation plan approved.	6/9/2023