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February 7, 2025

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

**Re: Incident Closure Report
BTA Oil Producers
Starcaster 18 Federal Com #004H
Unit A, Section 18, Township 23S, Range 34E
Site Coordinates: 32.3110123, -103.5027847
Lea County, New Mexico
Incident ID: nJXK1614627849**

Introduction

NTG Environmental, LLC (NTGE), on behalf of BTA Oil Producers (BTA), submits this Incident Closure Report to the New Mexico Oil Conservation Division (NMOCD). This report provides documentation of initial soil delineation, sampling analysis, and remediation activities conducted to date in the affected areas at the Starcaster 18 Federal Com #004H (Site). The Site is in Unit Letter A, Section 18, of Township 23 South and Range 34 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.3110123° N Latitude and -103.5027847° W Longitude. The Site location with respect to the nearest town is shown on Figure 1 and the topography of the area is shown on Figure 2.

Background

Based on the initial C-141 submitted by Caza and obtained by the New Mexico Oil Conservation District (NMOCD), the release was discovered on August 5, 2024. The release was the result of an equipment failure, resulting in the release of 5 barrels (bbls) of produced water, of which zero (0) bbls were recovered. Upon discovery the well was shut-in, and the area was secure. The release area is shown in Figure 3.

Groundwater and Site Characterization

Based on a review of the New Mexico Office of State Engineers and USGS databases, there is one known water sources within a ½-mile radius of the Site. CP-1886 Pod 1 was drilled in 2021 to a depth of 110 ft bgs, no groundwater was encountered. No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or

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distance from the Site. According to the Karst Potential Map, the Site is located within a Low Karst area. The Site characterization documentation (Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) is attached to the report.

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

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (ft)
Low Karst	>110'

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

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	TPH (GRO+MRO)	BTEX	Benzene
19.15.29.12 NMAC Table I Closure Criteria for Soils Impacted by a Release	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
19.15.29.12 NMAC Table I Closure Criteria for Soils Impacted by a Release	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
Notes: --- = not defined					

Site Assessment Activities

On December 2, 2024, NTGE conducted site assessment activities to determine the extent of the release impacts. A total of three (3) vertical sample points (i.e., V-1 through V-3) were installed at depths ranging from zero to four and a half foot (0-4.5) below ground surface (ft bgs). As well as six (6) horizontal sample points were installed at depths ranging from zero to half a foot (0-0.5) bgs.

Site assessment activities were conducted to fully characterize and delineate the extent of impacts resulting from the release. Soil samples were collected from the Site using a geotechnical hand auger and submitted to an accredited laboratory for chemical analysis. All soil samples were analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) (by EPA Method 8021B), total petroleum hydrocarbon (TPH) (by EPA method 8015 modified), and chloride (by EPA method 300). The combined analytical results of the Site assessment activities are provided in Table 1. Soil sample locations are shown in Figure 3. Laboratory reports containing analytical methods and chain-of-custody documents are attached. Analytical results of all samples were below the NMOCD regulatory limits for all analytes.

Confirmation Sampling

NTGE Project No: 249316



Based on the site assessment activities, BTA proceeded with confirmation sampling of the surface. The confirmation samples were collected in accordance with the one sample per 200 square feet (sq ft) guideline established in the NMOCD regulatory criteria.

On January 24, 2025, a total of sixty-one (61) confirmation samples were collected. Fifty-six (56) confirmation samples (i.e., CS-1 – CS-56 and SW-1 – SW-5) were collected from the site. Analytical results of the following confirmation samples were below the NMOCD regulatory limits for all analytes.

All soil samples were analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (EPA method 300.0/SM 4500Cl⁻B). Copies of laboratory analysis and chain-of-custody documentation are attached. The analytical results are summarized in Table 2.

Closure Request

Based on the assessment and subsequent remedial action activities, the Site is compliant with NMOCD's regulatory requirements, and no further actions are required at the Site. BTA formally requests closure for the Site (nJXK1614627849). If you have any questions regarding this report or need additional information, please contact us at (832) 374-0004.

Sincerely,
NTG Environmental



Kellan Smith
Project Manager

Attachments:

- Site Characterization Information
- Tables
- Figures
- Photographic Log
- Laboratory Reports

Tables

Table 1
Summary of Soil Analytical Data - Delineation Samples
Starcaster 18 Federal Com #004H
BTA Oil Producers
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/lg	---	2,500 mg/kg	20,000 mg/kg
Vertical Delineation Samples													
V-1	12/2/2024	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	12/2/2024	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
	12/2/2024	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
	12/2/2024	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	12/2/2024	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
V-2	12/2/2024	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	12/2/2024	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	12/2/2024	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
	12/2/2024	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
	12/2/2024	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
V-3	12/2/2024	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
	12/2/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
	12/2/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	12/2/2024	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
	12/2/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
Horizontal Delineation Samples													
H-1	12/2/2024	0-.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
H-2	12/2/2024	0-.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
H-3	12/2/2024	0-.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
H-4	12/2/2024	0-.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
H-5	12/2/2024	0-.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
H-6	12/2/2024	0-.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0

Notes:

1. Values reported in mg/kg

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

3. Bold indicates Analyte Detected

4. BTEX analyses by EPA Method SW 8021B

SP-1

 Sample Point Excavated

5. TPH analyses by EPA Method SW 8015 Mod.

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

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

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

9. --- Not Analyzed

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Starcaster 18 Federal Com #004H
BTA Oil Producers
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEx	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(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 51-100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	20,000 mg/kg
Base Confirmation Samples													
CS-1	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-2	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-3	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-4	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-5	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-6	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-7	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-8	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-9	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-10	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-11	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-12	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-13	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-14	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-15	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-16	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-17	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-18	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-19	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-20	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-21	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-22	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-23	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-24	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-25	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-26	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-27	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-28	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-29	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-30	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-31	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-32	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-33	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-34	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-35	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-36	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-37	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-38	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-39	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-40	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-41	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-42	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-43	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Starcaster 18 Federal Com #004H
BTA Oil Producers
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEx	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(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 51-100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	20,000 mg/kg
CS-44	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-45	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-46	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-47	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-48	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-49	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-50	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-51	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-52	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-53	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-54	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-55	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-56	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall/Horizontal Confirmation Samples													
SW-1	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-2	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-3	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-4	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-5	1/24/2025	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0

Notes:

1. Values reported in mg/kg

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

3. Bold indicates Analyte Detected

4. BTEx analyses by EPA Method SW 8021B

SP-1

Sample Point Excavated

5. TPH analyses by EPA Method SW 8015 Mod.

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

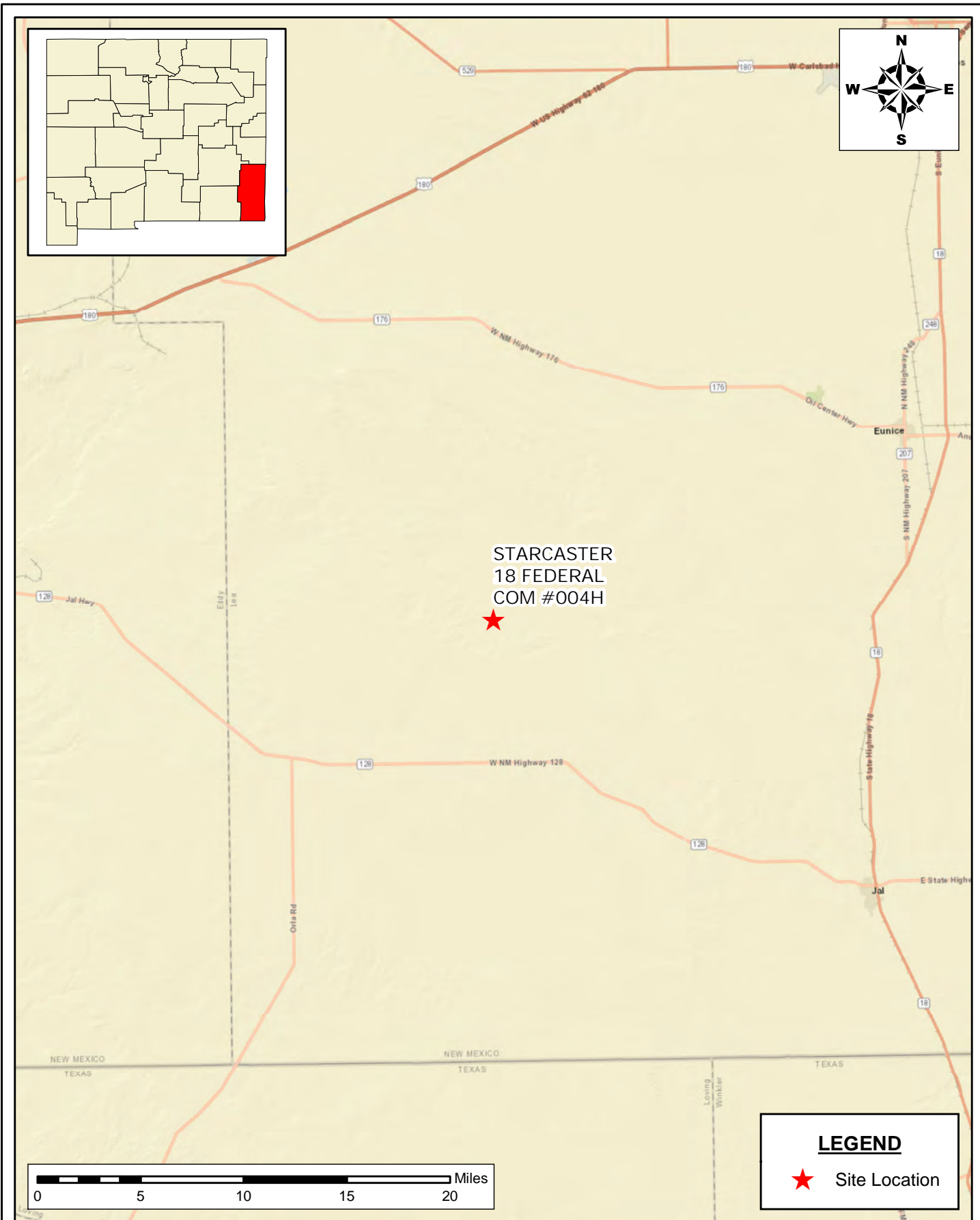
7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

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

9. --- Not Analyzed

Figures

Document Path: C:\Users\ntg\Documents\New Tech Global\NTGE - Projects\2024 PROJECTS\BTA\SC\249316 - STARCASTER 18 FEDERAL COM #004H\Figures\GIS\Figure_1_SL_SC_REMED_WORKPLAN.mxd



SITE LOCATION MAP
SITE CHARACTERIZATION AND REMEDIATION WORKPLAN
BTA OIL PRODUCERS, LLC
STARCASTER 18 FEDERAL COM #004H
LEA COUNTY, NEW MEXICO

SCALE: As Shown

Date: 1/15/2025

PROJECT #: 249316



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

NOTES:

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

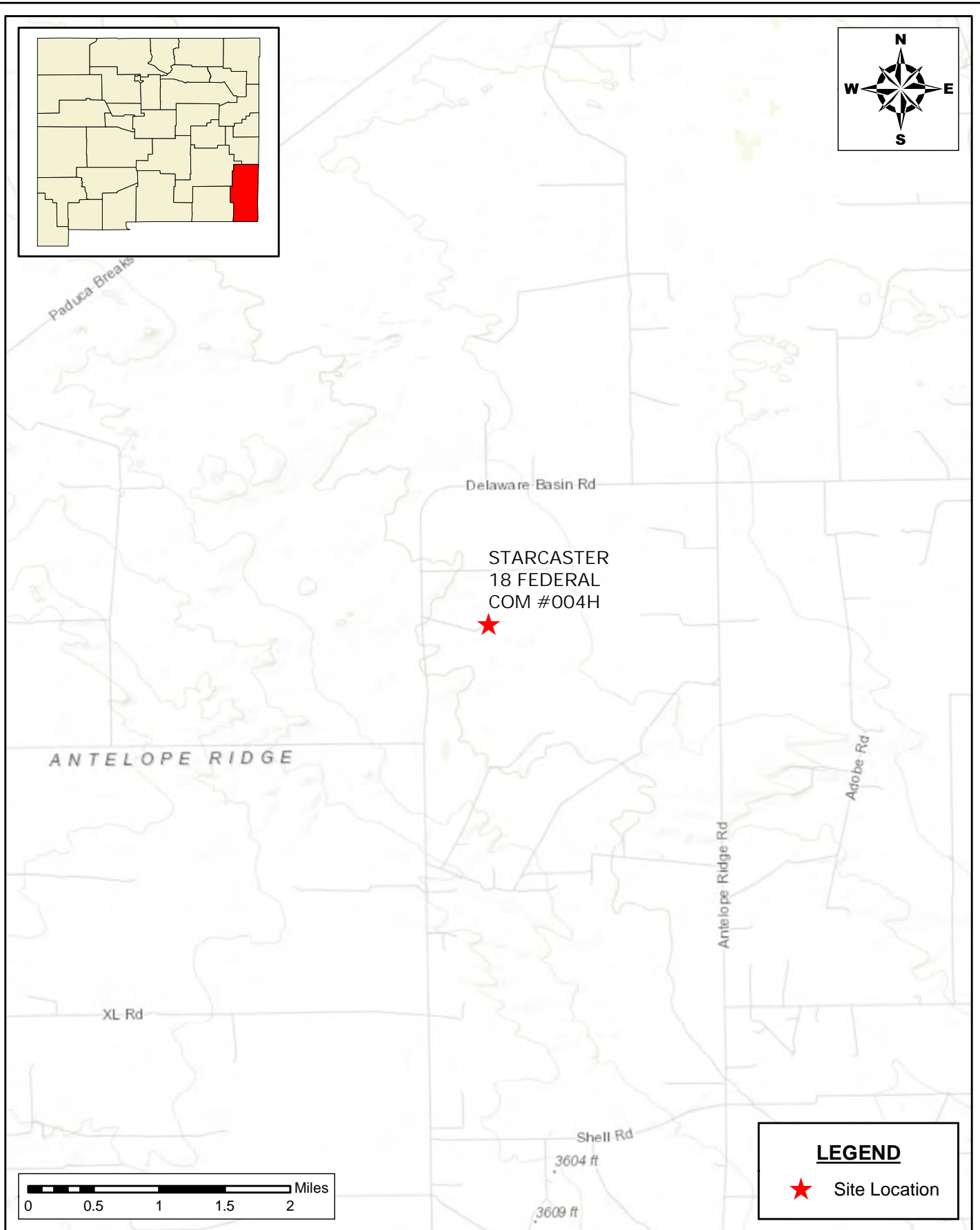
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FIGURE 1

SHEET NUMBER:

1 of 1

Document Path: C:\Users\ntg\gis\New Tech Global\NTGE - Documents\NTGE - Projects\2024 PROJECTS\BTA\SC249316 - STARCASTER 18 FEDERAL COM #004H\7- Figures\GIS\Figure 2_TOPO_SC_REMED_WORKPLAN.mxd



TOPOGRAPHIC MAP
SITE CHARACTERIZATION AND REMEDIATION WORKPLAN
 BTA OIL PRODUCERS, LLC
 STARCASTER 18 FEDERAL COM #004H
 LEA COUNTY, NEW MEXICO

SCALE: As Shown

Date: 1/15/2025

PROJECT #: 249316



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

NOTES:

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

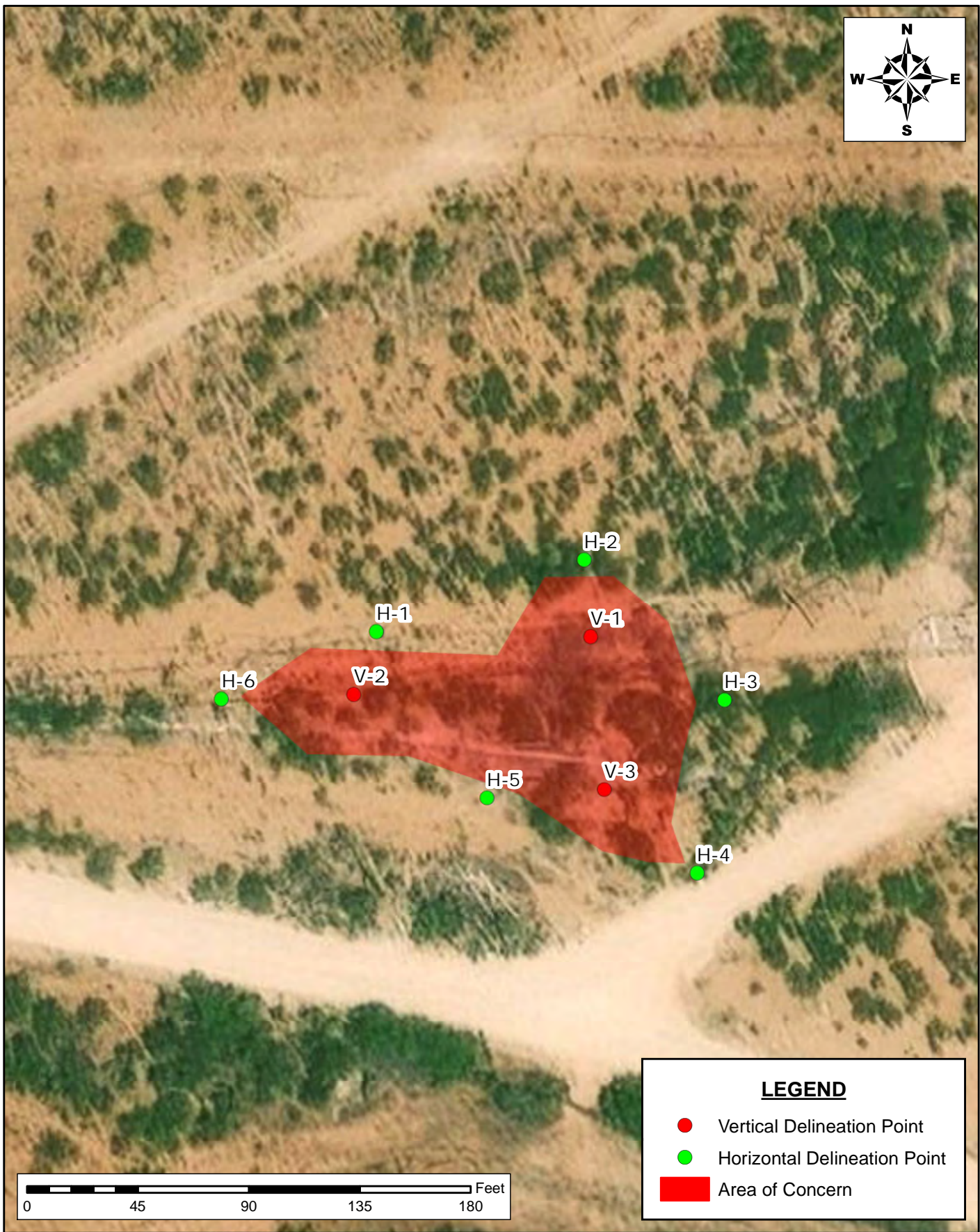
DRAWING NUMBER:

FIGURE 2

SHEET NUMBER:

1 of 1

Document Path: C:\Users\ntgegis\New Tech Global\NTGE - Documents\NTGE - Projects\2024 PROJECTS\BTAIRSC\249316 - STARCASER 18 FEDERAL COM #004H\7- Figures\GIS\Figure_3_IA_SC_REMED_WORKPLAN.mxd



DELINEATION MAP
SITE CHARACTERIZATION AND REMEDIATION WORKPLAN
BTA OIL PRODUCERS, LLC
STARCASER 18 FEDERAL COM #004H
LEA COUNTY, NEW MEXICO

SCALE: As Shown Date: 1/15/2025 PROJECT #: 249316


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

NOTES:

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

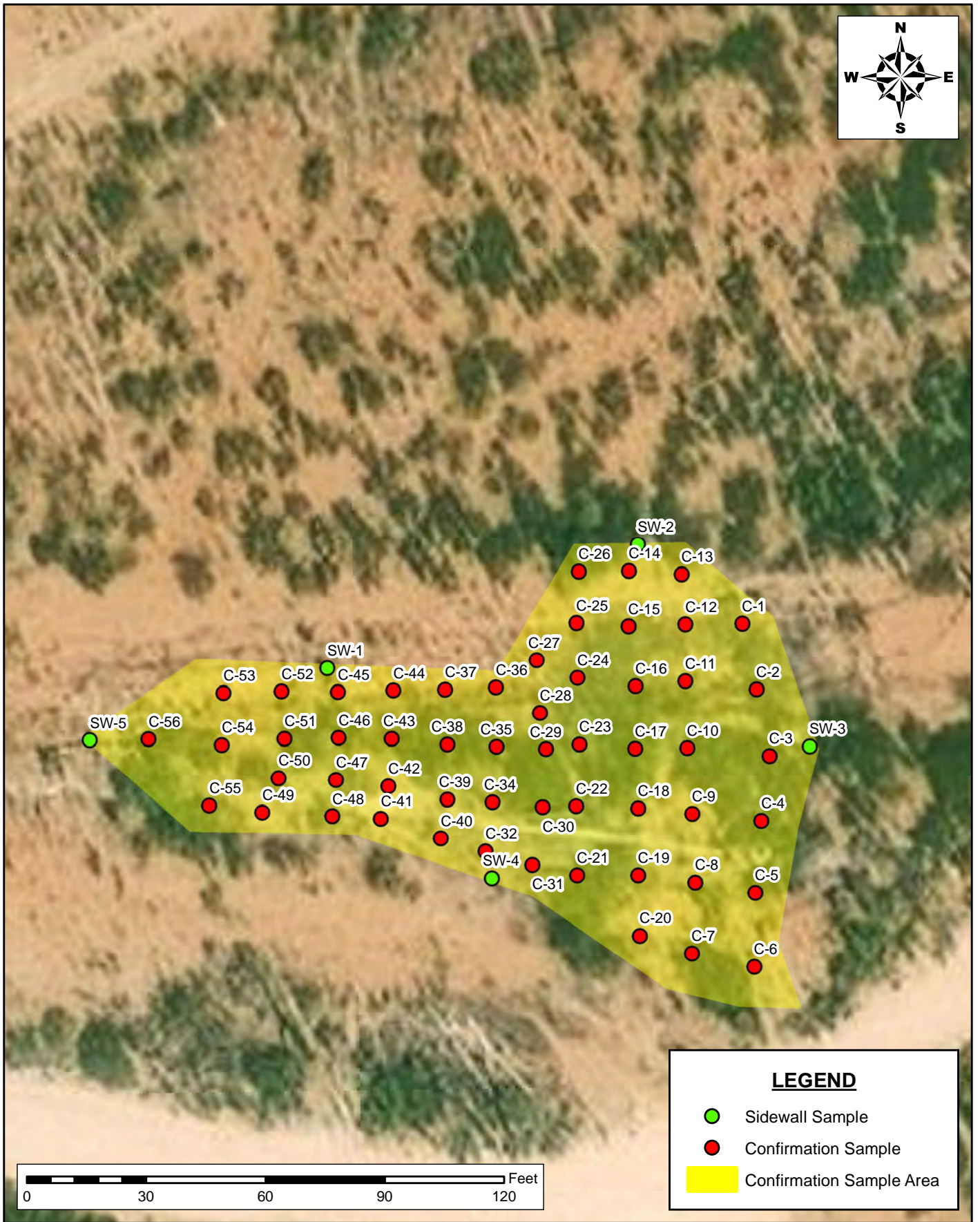
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FIGURE 3

SHEET NUMBER:

1 of 1

Document Path: C:\Users\ntg\Documents\NTGE - Projects\2024 PROJECTS\BTA\SC\249316 - STARCASTER 18 FEDERAL COM #004H\7- Figures\GIS\Figure_4_CM_NH.mxd



CONFIRMATION SAMPLE MAP
SITE CHARACTERIZATION AND REMEDIATION WORKPLAN
 BTA OIL PRODUCERS, LLC
 STARCASTER 18 FEDERAL COM #004H
 LEA COUNTY, NEW MEXICO

SCALE: As Shown Date: 1/16/2025 PROJECT #: 249316

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



NOTES:

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

DRAWING NUMBER:

FIGURE 4

SHEET NUMBER:

1 of 1

Site Characterization Information

Karst Potential Map

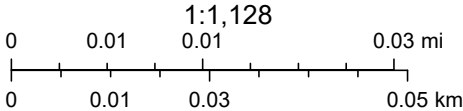


11/8/2024, 12:01:56 PM

Wells - Large Scale Karst Occurrence Potential

• Oil, Active Low

PLSS Second Division
 PLSS First Division



BLM, OCD, New Mexico Tech, Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community, OCD, Esri Community Maps Contributors, New Mexico State University, Texas

National Flood Hazard Layer FIRMMette



103°30'29"W 32°18'55"N



1:6,000

103°29'51"W 32°18'24"N

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **11/8/2024 at 5:53 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.



Wetlands Map



November 8, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

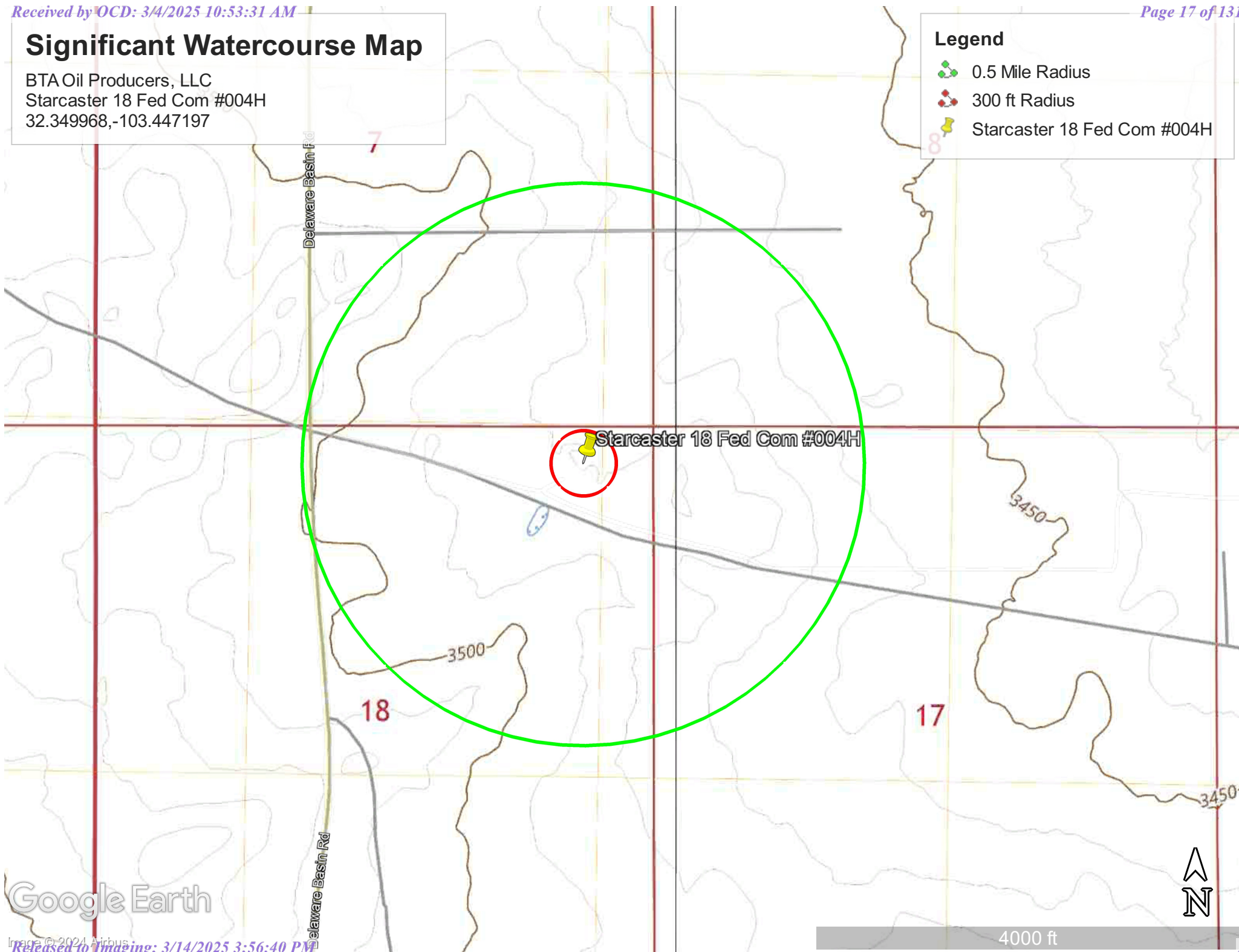
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Significant Watercourse Map

BTA Oil Producers, LLC
Starcaster 18 Fed Com #004H
32.349968,-103.447197

Legend

-  0.5 Mile Radius
-  300 ft Radius
-  Starcaster 18 Fed Com #004H



Legend

Basemap

Query

Source

Legend

All Layers On/Off

All Layer Transparency

NM Wetlands Mapping and Classification

NM Wetlands Mapping and Classification

Mapping Status

Riparian Habitat

Hydrogeomorphic Mapping (HGM) Linears

Riverine

Hydrogeomorphic Mapping (HGM) Polygons

Depressional

Flats

Lacustrine Fringe

Riverine

Slope

Landscape Position and Water Body (LLWW) Linears

Lentic (LE)

Lotic River (LR)

Lotic Stream (LS)

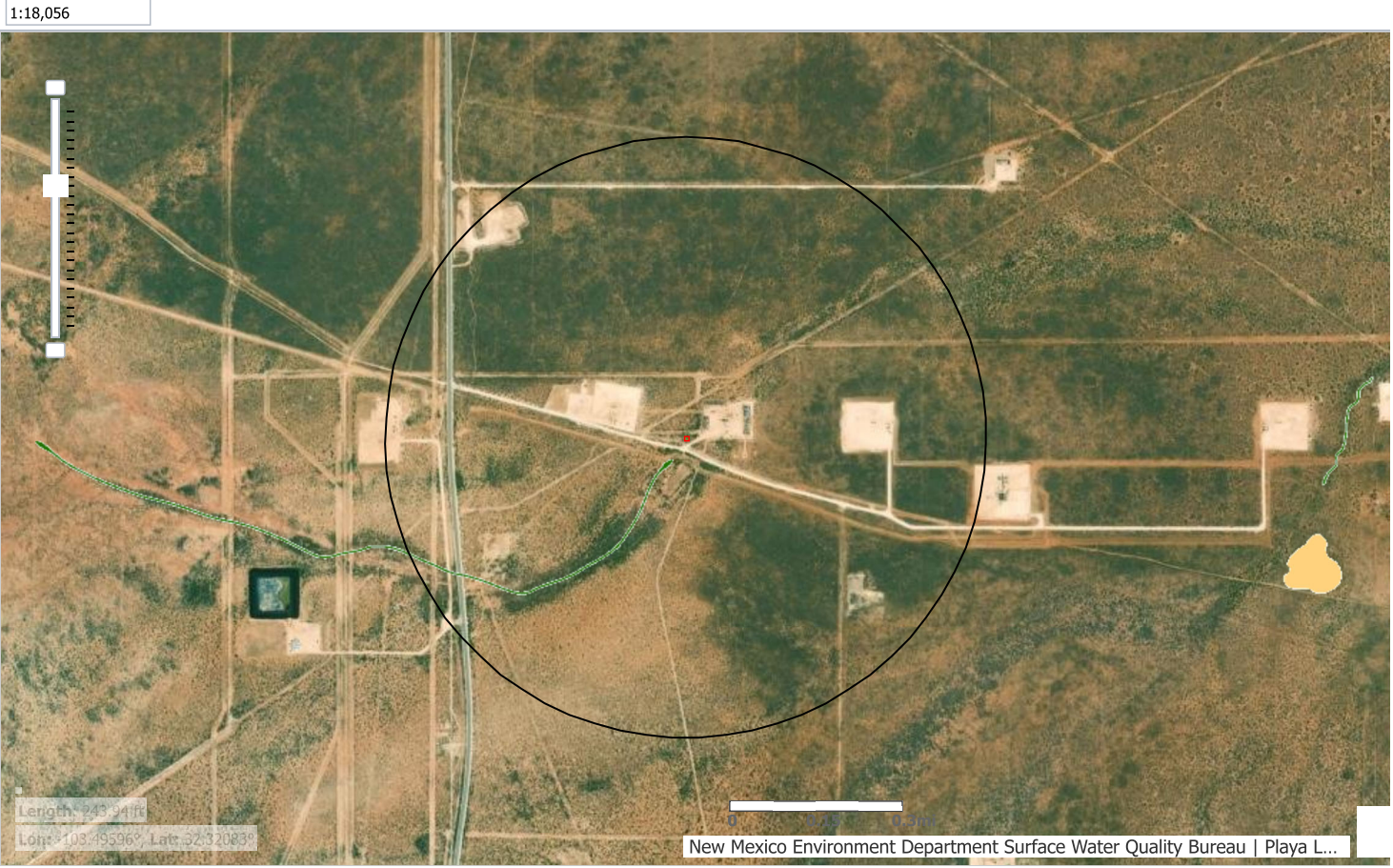
Pond (PD)

River (RV)

Stream (ST)

Terrene (TE)

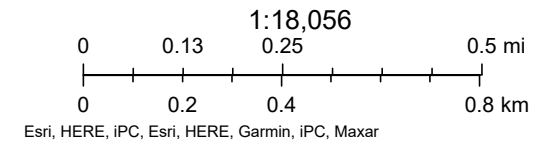
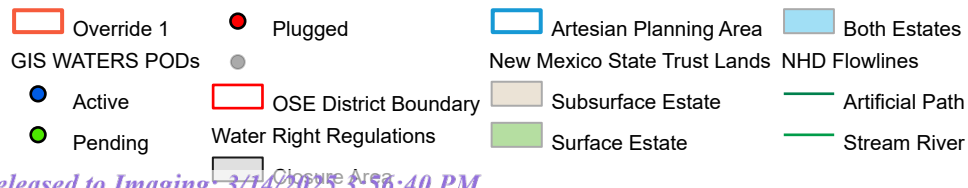
Landscape Position and Water Body (LLWW) Polygons



OSE POD Location Map



11/8/2024, 11:55:06 AM






WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (EW-01)		WELL TAG ID NO. n/a		OSE FILE NO(S). CP-1886			
	WELL OWNER NAME(S) Kaiser-Francis Oil Company				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 6733 S. Yale Ave				CITY Tulsa	STATE OK	ZIP 74136	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 19	SECONDS 0.91 N	• ACCURACY REQUIRED: ONE TENTH OF A SECOND • DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE NW SE Sec. 7 T23S R34E								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 09/09/2021	DRILLING ENDED 09/09/2021	DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) 110	DEPTH WATER FIRST ENCOUNTERED (FT) n/a			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a			
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0 105		±6.5	Boring- HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/30/17)	
FILE NO.	CP-1886	POD NO.	1
LOCATION	23S:34E:7.414	TRN NO.	702706
		WELL TAG ID NO.	
		PAGE 1 OF 2	

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	4	4	Sand, Medium/Fine grained, poorly graded, caliche gravel Brown	Y ✓ N	
	4	9	5	Caliche, with fine-grained sand, Off White/ Tan	Y ✓ N	
	9	105	96	Sand, Fine grained, poorly graded, with caliche gravel, Brown	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
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					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:						
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface.					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Carmelo Trevino, Cameron Pruitt <div style="text-align: right;">09E DII SEP 24 2021 PM 10:58</div>					
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: <div style="display: flex; justify-content: space-between;"> <div>  SIGNATURE OF DRILLER / PRINT SIGNED NAME </div> <div> Jackie D. Atkins DATE </div> </div>					

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

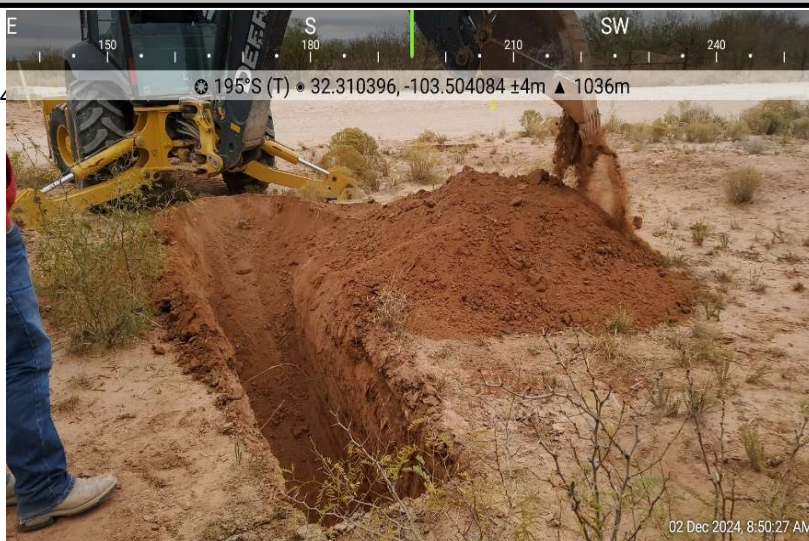
FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

Photographic Log

PHOTOGRAPHIC LOG
BTA Oil Producers
Starcaster 18 Federal Com #004H

Photograph No. 1**Facility:** Starcaster 18 Federal Com #004**County:** Lea County, New Mexico**Description:**

View of Initial Assessment Activities

**Photograph No. 2****Facility:** Starcaster 18 Federal Com #004**County:** Lea County, New Mexico**Description:**

View of Initial Assessment Activities

**Photograph No. 3****Facility:** Starcaster 18 Federal Com #004**County:** Lea County, New Mexico**Description:**

View of Initial Assessment Activities



PHOTOGRAPHIC LOG
BTA Oil Producers
Starcaster 18 Federal Com #004H

Photograph No. 4**Facility:** Starcaster 18 Federal Com #004**County:** Lea County, New Mexico**Description:**

View of Initial Assessment Activities

**Photograph No. 5****Facility:** Starcaster 18 Federal Com #004**County:** Lea County, New Mexico**Description:**

View of Initial Assessment Activities

**Photograph No. 6****Facility:** Starcaster 18 Federal Com #004**County:** Lea County, New Mexico**Description:**

View of Initial Assessment Activities



PHOTOGRAPHIC LOG
BTA Oil Producers
Starcaster 18 Federal Com #004H

Photograph No. 7**Facility:** Starcaster 18 Federal Com #004**County:** Lea County, New Mexico**Description:**
Confirmation Sampling Event

Photograph No. 8**Facility:** Starcaster 18 Federal Com #004**County:** Lea County, New Mexico**Description:**
Confirmation Sampling Event

Photograph No. 9**Facility:** Starcaster 18 Federal Com #004**County:** Lea County, New Mexico**Description:**
Confirmation Sampling Event

PHOTOGRAPHIC LOG

BTA Oil Producers

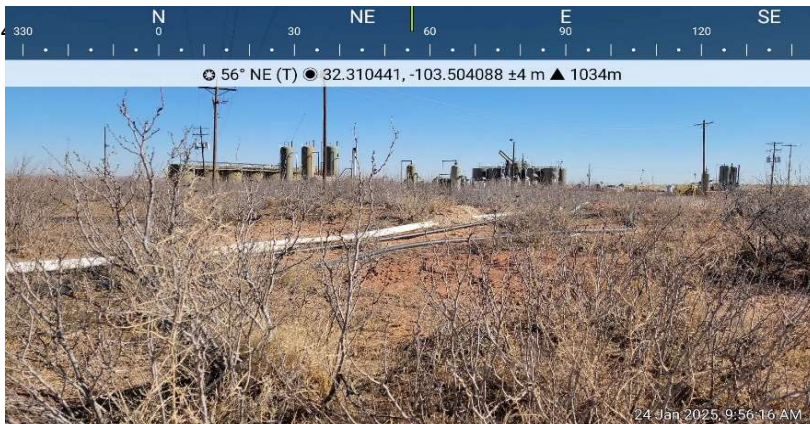
Starcaster 18 Federal Com #004H

Photograph No. 10

Facility: Starcaster 18 Federal Com #004

County: Lea County, New Mexico

Description:
Confirmation Sampling Event



Photograph No. 11

Facility: Starcaster 18 Federal Com #004

County: Lea County, New Mexico

Description:
Confirmation Sampling Event



Photograph No. 12

Facility: Starcaster 18 Federal Com #004

County: Lea County, New Mexico

Description:
Confirmation Sampling Event



Laboratory Reports and Chain-of-Custody



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

December 06, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: STAR CASTER 18

Enclosed are the results of analyses for samples received by the laboratory on 12/02/24 11:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2024
 Reported: 12/06/2024
 Project Name: STAR CASTER 18
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 12/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 1 0-6" (H247300-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2024	ND	2.01	100	2.00	1.83	
Toluene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	2.59	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	4.47	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.29	105	6.00	5.24	
Total BTX	<0.300	0.300	12/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2024	ND	185	92.4	200	3.96	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	170	84.8	200	9.36	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2024
 Reported: 12/06/2024
 Project Name: STAR CASTER 18
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 12/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 1 1-1.5' (H247300-02)

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	12/04/2024	ND	2.01	100	2.00	1.83	
Toluene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	2.59	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	4.47	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.29	105	6.00	5.24	
Total BTX	<0.300	0.300	12/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/04/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2024	ND	185	92.4	200	3.96	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	170	84.8	200	9.36	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/02/2024
 Reported: 12/06/2024
 Project Name: STAR CASTER 18
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 12/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 1 2-2.5' (H247300-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2024	ND	2.01	100	2.00	1.83	
Toluene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	2.59	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	4.47	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.29	105	6.00	5.24	
Total BTEx	<0.300	0.300	12/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/04/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2024	ND	185	92.4	200	3.96	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	170	84.8	200	9.36	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/02/2024
 Reported: 12/06/2024
 Project Name: STAR CASTER 18
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 12/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 1 3-3.5' (H247300-04)

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	12/04/2024	ND	2.01	100	2.00	1.83		
Toluene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	2.59		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	4.47		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.29	105	6.00	5.24		
Total BTEx	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2024	ND	185	92.4	200	3.96	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	170	84.8	200	9.36	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/02/2024
 Reported: 12/06/2024
 Project Name: STAR CASTER 18
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 12/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 1 4-4.5' (H247300-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2024	ND	2.01	100	2.00	1.83	
Toluene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	2.59	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	4.47	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.29	105	6.00	5.24	
Total BTEX	<0.300	0.300	12/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/04/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2024	ND	185	92.4	200	3.96	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	170	84.8	200	9.36	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/02/2024	Sampling Date:	12/02/2024
Reported:	12/06/2024	Sampling Type:	Soil
Project Name:	STAR CASTER 18	Sampling Condition:	Cool & Intact
Project Number:	249316	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: V - 2 0-6" (H247300-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.01	100	2.00	1.83		
Toluene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	2.59		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	4.47		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.29	105	6.00	5.24		
Total BTEx	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2024	ND	185	92.4	200	3.96	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	170	84.8	200	9.36	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 79.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/02/2024
 Reported: 12/06/2024
 Project Name: STAR CASTER 18
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 12/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 2 1-1.5' (H247300-07)

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	12/04/2024	ND	2.01	100	2.00	1.83	
Toluene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	2.59	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	4.47	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.29	105	6.00	5.24	
Total BTEx	<0.300	0.300	12/04/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2024	ND	185	92.4	200	3.96	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	170	84.8	200	9.36	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/02/2024
 Reported: 12/06/2024
 Project Name: STAR CASTER 18
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 12/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 2 2-2.5' (H247300-08)

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	12/04/2024	ND	2.01	100	2.00	1.83	
Toluene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	2.59	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	4.47	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.29	105	6.00	5.24	
Total BTEX	<0.300	0.300	12/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2024	ND	185	92.4	200	3.96	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	170	84.8	200	9.36	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/02/2024
 Reported: 12/06/2024
 Project Name: STAR CASTER 18
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 12/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 2 3-3.5' (H247300-09)

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	12/04/2024	ND	2.01	100	2.00	1.83	
Toluene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	2.59	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	4.47	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.29	105	6.00	5.24	
Total BTEX	<0.300	0.300	12/04/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2024	ND	185	92.4	200	3.96	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	170	84.8	200	9.36	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/02/2024
 Reported: 12/06/2024
 Project Name: STAR CASTER 18
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 12/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 2 4-4.5' (H247300-10)

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	12/04/2024	ND	2.01	100	2.00	1.83	
Toluene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	2.59	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	4.47	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.29	105	6.00	5.24	
Total BTX	<0.300	0.300	12/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/04/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2024	ND	185	92.4	200	3.96	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	170	84.8	200	9.36	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/02/2024
 Reported: 12/06/2024
 Project Name: STAR CASTER 18
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 12/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 3 0 (H247300-11)

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	12/04/2024	ND	2.01	100	2.00	1.83		
Toluene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	2.59		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	4.47		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.29	105	6.00	5.24		
Total BTEx	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	203	102	200	6.60	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.0	200	7.05	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/02/2024	Sampling Date:	12/02/2024
Reported:	12/06/2024	Sampling Type:	Soil
Project Name:	STAR CASTER 18	Sampling Condition:	Cool & Intact
Project Number:	249316	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: V - 3 1' (H247300-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.01	100	2.00	1.83		
Toluene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	2.59		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	4.47		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.29	105	6.00	5.24		
Total BTEx	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	203	102	200	6.60	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.0	200	7.05	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/02/2024
 Reported: 12/06/2024
 Project Name: STAR CASTER 18
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 12/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 3 2' (H247300-13)

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	12/04/2024	ND	2.01	100	2.00	1.83		
Toluene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	2.59		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	4.47		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.29	105	6.00	5.24		
Total BTEx	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	203	102	200	6.60	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.0	200	7.05	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/02/2024	Sampling Date:	12/02/2024
Reported:	12/06/2024	Sampling Type:	Soil
Project Name:	STAR CASTER 18	Sampling Condition:	Cool & Intact
Project Number:	249316	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: V - 3 3' (H247300-14)

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	12/04/2024	ND	2.01	100	2.00	1.83		
Toluene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	2.59		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	4.47		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.29	105	6.00	5.24		
Total BTEX	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	203	102	200	6.60	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.0	200	7.05	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/02/2024
 Reported: 12/06/2024
 Project Name: STAR CASTER 18
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 12/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 3 4' (H247300-15)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.01	100	2.00	1.83		
Toluene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	2.59		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	4.47		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.29	105	6.00	5.24		
Total BTEX	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	12/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	203	102	200	6.60	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.0	200	7.05	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/02/2024
 Reported: 12/06/2024
 Project Name: STAR CASTER 18
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 12/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 1 0-6" (H247300-16)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.01	100	2.00	1.83		
Toluene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	2.59		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	4.47		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.29	105	6.00	5.24		
Total BTEX	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	203	102	200	6.60	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.0	200	7.05	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/02/2024	Sampling Date:	12/02/2024
Reported:	12/06/2024	Sampling Type:	Soil
Project Name:	STAR CASTER 18	Sampling Condition:	Cool & Intact
Project Number:	249316	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: H - 2 0-6" (H247300-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.01	100	2.00	1.83		
Toluene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	2.59		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	4.47		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.29	105	6.00	5.24		
Total BTEX	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	203	102	200	6.60	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.0	200	7.05	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 93.9 % 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
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 12/02/2024
 Reported: 12/06/2024
 Project Name: STAR CASTER 18
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 12/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 3 0-6" (H247300-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.01	100	2.00	1.83		
Toluene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	2.59		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	4.47		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.29	105	6.00	5.24		
Total BTEx	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	203	102	200	6.60	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.0	200	7.05	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 49.1-148

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Analytical Results For:

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

Received:	12/02/2024	Sampling Date:	12/02/2024
Reported:	12/06/2024	Sampling Type:	Soil
Project Name:	STAR CASTER 18	Sampling Condition:	Cool & Intact
Project Number:	249316	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: H - 4 0-6" (H247300-19)

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	12/04/2024	ND	2.01	100	2.00	1.83		
Toluene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	2.59		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	4.47		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.29	105	6.00	5.24		
Total BTEX	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	203	102	200	6.60	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.0	200	7.05	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/02/2024	Sampling Date:	12/02/2024
Reported:	12/06/2024	Sampling Type:	Soil
Project Name:	STAR CASTER 18	Sampling Condition:	Cool & Intact
Project Number:	249316	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: H - 5 0-6" (H247300-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	1.85	92.5	2.00	2.68		
Toluene*	<0.050	0.050	12/04/2024	ND	1.91	95.4	2.00	1.27		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.94	97.2	2.00	0.264		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.84	97.3	6.00	0.375		
Total BTEX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/04/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	203	102	200	6.60	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.0	200	7.05	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2024
 Reported: 12/06/2024
 Project Name: STAR CASTER 18
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 12/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 6 0-6" (H247300-21)

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	12/04/2024	ND	1.85	92.5	2.00	2.68		
Toluene*	<0.050	0.050	12/04/2024	ND	1.91	95.4	2.00	1.27		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.94	97.2	2.00	0.264		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.84	97.3	6.00	0.375		
Total BTEX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/04/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	203	102	200	6.60	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.0	200	7.05	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

12/2
K.H.
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: NTGFE		BILL TO		ANALYSIS REQUEST	
Project Manager: Ethan Sessions		P.O. #:			
Address: 209 W. McKay St		Company: BITA			
City: Carlsbad		Attn: Ray Ramos			
State: CA		Address:			
Zip: 92020		City:			
Phone #: 432-701-2159		State:			
Fax #: 249316		Zip:			
Project #: 249316		Project Owner: BITA			
Project Name: Starcluster 1k		Phone #:			
Project Location: Ken Co, CA		Fax #:			
Sampler Name: Lenny Han					
FOR LAB USE ONLY					
Lab I.D.		Sample I.D.			
H247300		1			
V-1		0-6"			
1		1-1.5'			
3		2-2.5'			
2		3-3.5'			
4		4-4.5'			
V-2		0-6"			
1		1-1.5'			
2		2-2.5'			
3		3-3.5'			
4		4-4.5'			
V-1		0-6"			
1		1-1.5'			
3		2-2.5'			
2		3-3.5'			
4		4-4.5'			
V-2		0-6"			
1		1-1.5'			
2		2-2.5'			
3		3-3.5'			
4		4-4.5'			
V-1		0-6"			
1		1-1.5'			
3		2-2.5'			
2		3-3.5'			
4		4-4.5'			
V-2		0-6"			
1		1-1.5'			
2		2-2.5'			
3		3-3.5'			
4		4-4.5'			
V-1		0-6"			
1		1-1.5'			
3		2-2.5'			
2		3-3.5'			
4		4-4.5'			
V-2		0-6"			
1		1-1.5'			
2		2-2.5'			
3		3-3.5'			
4		4-4.5'			
V-1		0-6"			
1		1-1.5'			
3		2-2.5'			
2		3-3.5'			
4		4-4.5'			
V-2		0-6"			
1		1-1.5'			
2		2-2.5'			
3		3-3.5'			
4		4-4.5'			
V-1		0-6"			
1		1-1.5'			
3		2-2.5'			
2		3-3.5'			
4		4-4.5'			
V-2		0-6"			
1		1-1.5'			
2		2-2.5'			
3		3-3.5'			
4		4-4.5'			
V-1		0-6"			
1		1-1.5'			
3		2-2.5'			
2		3-3.5'			
4		4-4.5'			
V-2		0-6"			
1		1-1.5'			
2		2-2.5'			
3		3-3.5'			
4		4-4.5'			
V-1		0-6"			
1		1-1.5'			
3		2-2.5'			
2		3-3.5'			
4		4-4.5'			
V-2		0-6"			
1		1-1.5'			
2		2-2.5'			
3		3-3.5'			
4		4-4.5'			
V-1		0-6"			
1		1-1.5'			
3		2-2.5'			
2		3-3.5'			
4		4-4.5'			
V-2		0-6"			
1		1-1.5'			
2		2-2.5'			
3		3-3.5'			
4		4-4.5'			
V-1		0-6"			
1		1-1.5'			
3		2-2.5'			
2		3-3.5'			
4		4-4.5'			
V-2		0-6"			
1		1-1.5'			
2		2-2.5'			
3		3-3.5'			
4		4-4.5'			
V-1		0-6"			
1		1-1.5'			
3		2-2.5'			
2		3-3.5'			
4		4-4.5'			



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: UTGE		BILL TO		ANALYSIS REQUEST																							
Project Manager: Ethan Sessums		P.O. #:																									
Address: 209 W. McKay St		Company: BTA																									
City: Carlsbad		Attn: Roy Ramos																									
State: NM Zip: 88220		Address:																									
Phone #: 432-701-2159 Fax #:		City:																									
Project #: 249316 Project Owner: BTA		State:																									
Project Name: Starwater 18		Zip:																									
Project Location: Lea Co, NM		Phone #:																									
Fax #:																											
Sampler Name: Lenny Han																											
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													
H247300	U-3	6	1	5	7	X							12/2		BTEX	TPH	Chloride										
11	U-3	6	1	5	7	X							12/2														
12	U-3	6	1	5	7	X							12/2														
13	U-3	6	1	5	7	X							12/2														
14	U-3	6	1	5	7	X							12/2														
15	U-3	6	1	5	7	X							12/2														
16	U-3	6	1	5	7	X							12/2														
17	U-3	6	1	5	7	X							12/2														
18	U-3	6	1	5	7	X							12/2														
19	U-3	6	1	5	7	X							12/2														
20	U-3	6	1	5	7	X							12/2														
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Relinquished By: [Signature]		Date: 12/2/24		Received By: [Signature]		Date: 12/2/24		REMARKS:																			
Relinquished By: [Signature]		Date: 12/2/24		Received By: [Signature]		Date: 12/2/24		REMARKS:																			
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: (Initials)		Turnaround Time:																			
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID #140																			
		0.3		0.9		0.3		Standard Rush																			
								Bacteria (only) Sample Condition																			
								Cool <input type="checkbox"/> Intact <input type="checkbox"/>																			
								Yes <input type="checkbox"/> No <input type="checkbox"/>																			
								Observed Temp. °C																			
								Corrected Temp. °C																			

FORM-000 K-3-3 06/03/24

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:

BTGE

BILL TO

ANALYSIS REQUEST

Project Manager:

Ethan Sessions

P.O. #:

BTGE

Address:

209 W. McKay St

Company:

BTGE

City:

Carlsbad

State: NM Zip: 88220

Attn: Ray Ramos

Phone #:

505-761-2159

Fax #:

BTGE

Project #:

249316

Project Owner:

BTGE

Project Name:

Starwater 18

State:

Zip:

Project Location:

Lea Co, NM

Phone #:

Fax #:

Sampler Name:

Kenny Han

Lab I.D.

Sample I.D.

H247300

H-6 5-6"

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

X

X

X

BTEX

TPH

Chloride

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Relinquished By:

Date: 3/12/24

Received By:

Ray Ramos

Relinquished By:

Date:

Time:

Received By:

Ray Ramos

Delivered By: (Circle One)

Observed Temp. °C

0.9

Sample Condition

CHECKED BY: (Initials)

Turnaround Time:

Standard

Rush

Bacteria (only) Sample Condition

Cool Intact

Observed Temp. °C

Corrected Temp. °C

Sampler - UPS - Bus - Other:

Corrected Temp. °C

0.3

Cool Intact

YES YES

Thermometer ID #140

Correction Factor -0.5°C

YES YES

Observed Temp. °C

Corrected Temp. °C

FORM 000-R-3-06/03/24

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

January 30, 2025

KELLAN SMITH

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: STARCASTER 18 FED COM #004H

Enclosed are the results of analyses for samples received by the laboratory on 01/24/25 12:08.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	01/24/2025	Sampling Date:	01/24/2025
Reported:	01/30/2025	Sampling Type:	Soil
Project Name:	STARCASTER 18 FED COM #004H	Sampling Condition:	Cool & Intact
Project Number:	249316	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: CS - 1 (H250444-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.20	110	2.00	5.53	
Toluene*	<0.050	0.050	01/27/2025	ND	2.15	107	2.00	9.25	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.14	107	2.00	10.2	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.23	104	6.00	9.41	
Total BTX	<0.300	0.300	01/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/28/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	226	113	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	210	105	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 2 (H250444-02)

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	01/27/2025	ND	2.20	110	2.00	5.53	
Toluene*	<0.050	0.050	01/27/2025	ND	2.15	107	2.00	9.25	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.14	107	2.00	10.2	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.23	104	6.00	9.41	
Total BTX	<0.300	0.300	01/27/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/28/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	226	113	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	210	105	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 3 (H250444-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2025	ND	2.20	110	2.00	5.53		
Toluene*	<0.050	0.050	01/28/2025	ND	2.15	107	2.00	9.25		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.14	107	2.00	10.2		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.23	104	6.00	9.41		
Total BTEX	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	226	113	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	210	105	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCATER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 4 (H250444-04)

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	01/28/2025	ND	2.20	110	2.00	5.53		
Toluene*	<0.050	0.050	01/28/2025	ND	2.15	107	2.00	9.25		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.14	107	2.00	10.2		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.23	104	6.00	9.41		
Total BTEX	<0.300	0.300	01/28/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	226	113	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	210	105	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 5 (H250444-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2025	ND	2.20	110	2.00	5.53		
Toluene*	<0.050	0.050	01/28/2025	ND	2.15	107	2.00	9.25		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.14	107	2.00	10.2		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.23	104	6.00	9.41		
Total BTEx	<0.300	0.300	01/28/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	226	113	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	210	105	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCATER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 6 (H250444-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2025	ND	2.20	110	2.00	5.53		
Toluene*	<0.050	0.050	01/28/2025	ND	2.15	107	2.00	9.25		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.14	107	2.00	10.2		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.23	104	6.00	9.41		
Total BTEX	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	226	113	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	210	105	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 7 (H250444-07)

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	01/28/2025	ND	2.20	110	2.00	5.53	
Toluene*	<0.050	0.050	01/28/2025	ND	2.15	107	2.00	9.25	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.14	107	2.00	10.2	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.23	104	6.00	9.41	
Total BTEX	<0.300	0.300	01/28/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/28/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	226	113	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	210	105	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCATER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 8 (H250444-08)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2025	ND	2.20	110	2.00	5.53	
Toluene*	<0.050	0.050	01/28/2025	ND	2.15	107	2.00	9.25	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.14	107	2.00	10.2	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.23	104	6.00	9.41	
Total BTX	<0.300	0.300	01/28/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	226	113	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	210	105	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 9 (H250444-09)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2025	ND	2.20	110	2.00	5.53	
Toluene*	<0.050	0.050	01/28/2025	ND	2.15	107	2.00	9.25	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.14	107	2.00	10.2	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.23	104	6.00	9.41	
Total BTX	<0.300	0.300	01/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	226	113	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	210	105	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 10 (H250444-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2025	ND	2.20	110	2.00	5.53		
Toluene*	<0.050	0.050	01/28/2025	ND	2.15	107	2.00	9.25		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.14	107	2.00	10.2		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.23	104	6.00	9.41		
Total BTEX	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	226	113	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	210	105	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	01/24/2025	Sampling Date:	01/24/2025
Reported:	01/30/2025	Sampling Type:	Soil
Project Name:	STARCASTER 18 FED COM #004H	Sampling Condition:	Cool & Intact
Project Number:	249316	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: CS - 11 (H250444-11)

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	01/28/2025	ND	2.20	110	2.00	5.53		
Toluene*	<0.050	0.050	01/28/2025	ND	2.15	107	2.00	9.25		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.14	107	2.00	10.2		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.23	104	6.00	9.41		
Total BTEX	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	226	113	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	210	105	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 12 (H250444-12)

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	01/28/2025	ND	2.20	110	2.00	5.53		
Toluene*	<0.050	0.050	01/28/2025	ND	2.15	107	2.00	9.25		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.14	107	2.00	10.2		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.23	104	6.00	9.41		
Total BTX	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 129 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	226	113	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	210	105	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 13 (H250444-13)

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	01/28/2025	ND	2.20	110	2.00	5.53		
Toluene*	<0.050	0.050	01/28/2025	ND	2.15	107	2.00	9.25		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.14	107	2.00	10.2		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.23	104	6.00	9.41		
Total BTEX	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	226	113	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	210	105	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCATER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 14 (H250444-14)

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	01/28/2025	ND	2.20	110	2.00	5.53		
Toluene*	<0.050	0.050	01/28/2025	ND	2.15	107	2.00	9.25		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.14	107	2.00	10.2		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.23	104	6.00	9.41		
Total BTEx	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	226	113	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	210	105	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 15 (H250444-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2025	ND	2.20	110	2.00	5.53		
Toluene*	<0.050	0.050	01/28/2025	ND	2.15	107	2.00	9.25		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.14	107	2.00	10.2		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.23	104	6.00	9.41		
Total BTEx	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/28/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	226	113	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	210	105	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCATER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 16 (H250444-16)

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	01/27/2025	ND	2.13	106	2.00	6.21		
Toluene*	<0.050	0.050	01/27/2025	ND	2.28	114	2.00	8.45		
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.43	121	2.00	7.70		
Total Xylenes*	<0.150	0.150	01/27/2025	ND	7.48	125	6.00	6.85		
Total BTX	<0.300	0.300	01/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	226	113	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	210	105	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 17 (H250444-17)

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	01/27/2025	ND	2.13	106	2.00	6.21		
Toluene*	<0.050	0.050	01/27/2025	ND	2.28	114	2.00	8.45		
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.43	121	2.00	7.70		
Total Xylenes*	<0.150	0.150	01/27/2025	ND	7.48	125	6.00	6.85		
Total BTX	<0.300	0.300	01/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	226	113	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	210	105	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 18 (H250444-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/27/2025	ND	2.13	106	2.00	6.21		
Toluene*	<0.050	0.050	01/27/2025	ND	2.28	114	2.00	8.45		
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.43	121	2.00	7.70		
Total Xylenes*	<0.150	0.150	01/27/2025	ND	7.48	125	6.00	6.85		
Total BTEX	<0.300	0.300	01/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/28/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	226	113	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	210	105	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 19 (H250444-19)

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	01/28/2025	ND	2.13	106	2.00	6.21	
Toluene*	<0.050	0.050	01/28/2025	ND	2.28	114	2.00	8.45	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.43	121	2.00	7.70	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	7.48	125	6.00	6.85	
Total BTEX	<0.300	0.300	01/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/28/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	200	99.9	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	194	96.9	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 20 (H250444-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2025	ND	2.13	106	2.00	6.21		
Toluene*	<0.050	0.050	01/28/2025	ND	2.28	114	2.00	8.45		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.43	121	2.00	7.70		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	7.48	125	6.00	6.85		
Total BTEx	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	200	99.9	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	194	96.9	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCATER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 21 (H250444-21)

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	01/28/2025	ND	2.13	106	2.00	6.21		
Toluene*	<0.050	0.050	01/28/2025	ND	2.28	114	2.00	8.45		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.43	121	2.00	7.70		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	7.48	125	6.00	6.85		
Total BTEx	<0.300	0.300	01/28/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/28/2025	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	01/27/2025	ND	200	99.9	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	194	96.9	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCATER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 22 (H250444-22)

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	01/28/2025	ND	2.13	106	2.00	6.21		
Toluene*	<0.050	0.050	01/28/2025	ND	2.28	114	2.00	8.45		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.43	121	2.00	7.70		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	7.48	125	6.00	6.85		
Total BTEX	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/28/2025	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	01/27/2025	ND	200	99.9	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	194	96.9	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 23 (H250444-23)

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	01/28/2025	ND	2.13	106	2.00	6.21		
Toluene*	<0.050	0.050	01/28/2025	ND	2.28	114	2.00	8.45		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.43	121	2.00	7.70		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	7.48	125	6.00	6.85		
Total BTEX	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/28/2025	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	01/27/2025	ND	200	99.9	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	194	96.9	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 24 (H250444-24)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2025	ND	2.13	106	2.00	6.21	
Toluene*	<0.050	0.050	01/28/2025	ND	2.28	114	2.00	8.45	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.43	121	2.00	7.70	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	7.48	125	6.00	6.85	
Total BTEX	<0.300	0.300	01/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/28/2025	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	01/27/2025	ND	200	99.9	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	194	96.9	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 25 (H250444-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2025	ND	2.13	106	2.00	6.21		
Toluene*	<0.050	0.050	01/28/2025	ND	2.28	114	2.00	8.45		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.43	121	2.00	7.70		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	7.48	125	6.00	6.85		
Total BTEX	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/28/2025	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	01/27/2025	ND	200	99.9	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	194	96.9	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 26 (H250444-26)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2025	ND	2.13	106	2.00	6.21		
Toluene*	<0.050	0.050	01/28/2025	ND	2.28	114	2.00	8.45		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.43	121	2.00	7.70		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	7.48	125	6.00	6.85		
Total BTEX	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/28/2025	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	01/27/2025	ND	200	99.9	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	194	96.9	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCATER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 27 (H250444-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2025	ND	2.13	106	2.00	6.21		
Toluene*	<0.050	0.050	01/28/2025	ND	2.28	114	2.00	8.45		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.43	121	2.00	7.70		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	7.48	125	6.00	6.85		
Total BTEX	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/28/2025	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	01/27/2025	ND	200	99.9	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	194	96.9	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 28 (H250444-28)

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	01/28/2025	ND	2.13	106	2.00	6.21		
Toluene*	<0.050	0.050	01/28/2025	ND	2.28	114	2.00	8.45		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.43	121	2.00	7.70		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	7.48	125	6.00	6.85		
Total BTEx	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/28/2025	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	01/27/2025	ND	200	99.9	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	194	96.9	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 29 (H250444-29)

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	01/28/2025	ND	2.13	106	2.00	6.21	
Toluene*	<0.050	0.050	01/28/2025	ND	2.28	114	2.00	8.45	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.43	121	2.00	7.70	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	7.48	125	6.00	6.85	
Total BTEX	<0.300	0.300	01/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/28/2025	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	01/27/2025	ND	200	99.9	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	194	96.9	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	01/24/2025	Sampling Date:	01/24/2025
Reported:	01/30/2025	Sampling Type:	Soil
Project Name:	STARCASTER 18 FED COM #004H	Sampling Condition:	Cool & Intact
Project Number:	249316	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: CS - 30 (H250444-30)

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	01/28/2025	ND	2.13	106	2.00	6.21		
Toluene*	<0.050	0.050	01/28/2025	ND	2.28	114	2.00	8.45		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.43	121	2.00	7.70		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	7.48	125	6.00	6.85		
Total BTX	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/28/2025	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	01/27/2025	ND	200	99.9	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	194	96.9	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCATER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 31 (H250444-31)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2025	ND	2.13	106	2.00	6.21	
Toluene*	<0.050	0.050	01/28/2025	ND	2.28	114	2.00	8.45	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.43	121	2.00	7.70	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	7.48	125	6.00	6.85	
Total BTEX	<0.300	0.300	01/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/28/2025	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	01/27/2025	ND	200	99.9	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	194	96.9	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 78.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 32 (H250444-32)

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	01/28/2025	ND	2.13	106	2.00	6.21	
Toluene*	<0.050	0.050	01/28/2025	ND	2.28	114	2.00	8.45	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.43	121	2.00	7.70	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	7.48	125	6.00	6.85	
Total BTEX	<0.300	0.300	01/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/28/2025	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	01/27/2025	ND	200	99.9	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	194	96.9	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.3 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 33 (H250444-33)

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	01/28/2025	ND	2.13	106	2.00	6.21	
Toluene*	<0.050	0.050	01/28/2025	ND	2.28	114	2.00	8.45	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.43	121	2.00	7.70	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	7.48	125	6.00	6.85	
Total BTEX	<0.300	0.300	01/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/28/2025	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	01/27/2025	ND	200	99.9	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	194	96.9	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 34 (H250444-34)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2025	ND	2.13	106	2.00	6.21		
Toluene*	<0.050	0.050	01/28/2025	ND	2.28	114	2.00	8.45		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.43	121	2.00	7.70		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	7.48	125	6.00	6.85		
Total BTEX	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/28/2025	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	01/27/2025	ND	200	99.9	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	194	96.9	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 35 (H250444-35)

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	01/28/2025	ND	2.13	106	2.00	6.21		
Toluene*	<0.050	0.050	01/28/2025	ND	2.28	114	2.00	8.45		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.43	121	2.00	7.70		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	7.48	125	6.00	6.85		
Total BTEX	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/28/2025	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	01/27/2025	ND	200	99.9	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	194	96.9	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 36 (H250444-36)

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	01/28/2025	ND	2.01	101	2.00	8.20	
Toluene*	<0.050	0.050	01/28/2025	ND	2.08	104	2.00	8.20	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.10	105	2.00	8.08	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.41	107	6.00	7.45	
Total BTEX	<0.300	0.300	01/28/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/28/2025	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	01/27/2025	ND	200	99.9	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	194	96.9	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 37 (H250444-37)

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	01/28/2025	ND	2.01	101	2.00	8.20	
Toluene*	<0.050	0.050	01/28/2025	ND	2.08	104	2.00	8.20	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.10	105	2.00	8.08	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.41	107	6.00	7.45	
Total BTEX	<0.300	0.300	01/28/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/28/2025	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	01/27/2025	ND	200	99.9	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	194	96.9	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 38 (H250444-38)

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	01/28/2025	ND	2.01	101	2.00	8.20	
Toluene*	<0.050	0.050	01/28/2025	ND	2.08	104	2.00	8.20	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.10	105	2.00	8.08	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.41	107	6.00	7.45	
Total BTX	<0.300	0.300	01/28/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/28/2025	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	01/27/2025	ND	200	99.9	200	1.62	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	194	96.9	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCATER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 39 (H250444-39)

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	01/28/2025	ND	2.01	101	2.00	8.20	
Toluene*	<0.050	0.050	01/28/2025	ND	2.08	104	2.00	8.20	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.10	105	2.00	8.08	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.41	107	6.00	7.45	
Total BTEX	<0.300	0.300	01/28/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/28/2025	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	01/27/2025	ND	201	100	200	0.604	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	209	104	200	0.297	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 40 (H250444-40)

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	01/28/2025	ND	2.01	101	2.00	8.20	
Toluene*	<0.050	0.050	01/28/2025	ND	2.08	104	2.00	8.20	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.10	105	2.00	8.08	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.41	107	6.00	7.45	
Total BTEx	<0.300	0.300	01/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/28/2025	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	01/27/2025	ND	201	100	200	0.604	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	209	104	200	0.297	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 41 (H250444-41)

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	01/28/2025	ND	2.01	101	2.00	8.20		
Toluene*	<0.050	0.050	01/28/2025	ND	2.08	104	2.00	8.20		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.10	105	2.00	8.08		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.41	107	6.00	7.45		
Total BTEx	<0.300	0.300	01/28/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	201	100	200	0.604	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	209	104	200	0.297	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 42 (H250444-42)

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	01/28/2025	ND	2.01	101	2.00	8.20		
Toluene*	<0.050	0.050	01/28/2025	ND	2.08	104	2.00	8.20		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.10	105	2.00	8.08		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.41	107	6.00	7.45		
Total BTEx	<0.300	0.300	01/28/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	201	100	200	0.604	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	209	104	200	0.297	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCATER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 43 (H250444-43)

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	01/28/2025	ND	2.01	101	2.00	8.20		
Toluene*	<0.050	0.050	01/28/2025	ND	2.08	104	2.00	8.20		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.10	105	2.00	8.08		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.41	107	6.00	7.45		
Total BTEx	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	201	100	200	0.604	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	209	104	200	0.297	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 44 (H250444-44)

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	01/28/2025	ND	2.01	101	2.00	8.20		
Toluene*	<0.050	0.050	01/28/2025	ND	2.08	104	2.00	8.20		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.10	105	2.00	8.08		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.41	107	6.00	7.45		
Total BTEx	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	201	100	200	0.604	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	209	104	200	0.297	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCATER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 45 (H250444-45)

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	01/28/2025	ND	2.01	101	2.00	8.20		
Toluene*	<0.050	0.050	01/28/2025	ND	2.08	104	2.00	8.20		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.10	105	2.00	8.08		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.41	107	6.00	7.45		
Total BTEx	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	201	100	200	0.604	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	209	104	200	0.297	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 46 (H250444-46)

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	01/28/2025	ND	2.01	101	2.00	8.20		
Toluene*	<0.050	0.050	01/28/2025	ND	2.08	104	2.00	8.20		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.10	105	2.00	8.08		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.41	107	6.00	7.45		
Total BTX	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	201	100	200	0.604	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	209	104	200	0.297	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 47 (H250444-47)

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	01/28/2025	ND	2.01	101	2.00	8.20	
Toluene*	<0.050	0.050	01/28/2025	ND	2.08	104	2.00	8.20	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.10	105	2.00	8.08	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.41	107	6.00	7.45	
Total BTEx	<0.300	0.300	01/28/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	201	100	200	0.604	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	209	104	200	0.297	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 48 (H250444-48)

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	01/28/2025	ND	2.01	101	2.00	8.20		
Toluene*	<0.050	0.050	01/28/2025	ND	2.08	104	2.00	8.20		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.10	105	2.00	8.08		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.41	107	6.00	7.45		
Total BTEx	<0.300	0.300	01/28/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	201	100	200	0.604	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	209	104	200	0.297	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCATER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 49 (H250444-49)

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	01/28/2025	ND	2.01	101	2.00	8.20		
Toluene*	<0.050	0.050	01/28/2025	ND	2.08	104	2.00	8.20		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.10	105	2.00	8.08		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.41	107	6.00	7.45		
Total BTX	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	201	100	200	0.604	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	209	104	200	0.297	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCATER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 50 (H250444-50)

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	01/28/2025	ND	2.01	101	2.00	8.20		
Toluene*	<0.050	0.050	01/28/2025	ND	2.08	104	2.00	8.20		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.10	105	2.00	8.08		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.41	107	6.00	7.45		
Total BTEx	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	201	100	200	0.604	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	209	104	200	0.297	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 51 (H250444-51)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2025	ND	2.01	101	2.00	8.20		
Toluene*	<0.050	0.050	01/28/2025	ND	2.08	104	2.00	8.20		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.10	105	2.00	8.08		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.41	107	6.00	7.45		
Total BTEx	<0.300	0.300	01/28/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	201	100	200	0.604	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	209	104	200	0.297	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 52 (H250444-52)

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	01/28/2025	ND	2.01	101	2.00	8.20		
Toluene*	<0.050	0.050	01/28/2025	ND	2.08	104	2.00	8.20		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.10	105	2.00	8.08		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.41	107	6.00	7.45		
Total BTX	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	201	100	200	0.604	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	209	104	200	0.297	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCATER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 53 (H250444-53)

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	01/28/2025	ND	2.01	101	2.00	8.20		
Toluene*	<0.050	0.050	01/28/2025	ND	2.08	104	2.00	8.20		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.10	105	2.00	8.08		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.41	107	6.00	7.45		
Total BTX	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	201	100	200	0.604	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	209	104	200	0.297	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 54 (H250444-54)

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	01/28/2025	ND	2.01	101	2.00	8.20		
Toluene*	<0.050	0.050	01/28/2025	ND	2.08	104	2.00	8.20		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.10	105	2.00	8.08		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.41	107	6.00	7.45		
Total BTEX	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	201	100	200	0.604	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	209	104	200	0.297	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 55 (H250444-55)

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	01/28/2025	ND	2.01	101	2.00	8.20		
Toluene*	<0.050	0.050	01/28/2025	ND	2.08	104	2.00	8.20		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.10	105	2.00	8.08		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.41	107	6.00	7.45		
Total BTX	<0.300	0.300	01/28/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	201	100	200	0.604	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	209	104	200	0.297	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCATER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 56 (H250444-56)

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	01/28/2025	ND	2.06	103	2.00	1.39	
Toluene*	<0.050	0.050	01/28/2025	ND	2.17	109	2.00	0.554	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.15	107	2.00	0.444	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.35	106	6.00	0.673	
Total BTX	<0.300	0.300	01/28/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/28/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	201	100	200	0.604	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	209	104	200	0.297	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 1 (H250444-57)

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	01/28/2025	ND	2.06	103	2.00	1.39		
Toluene*	<0.050	0.050	01/28/2025	ND	2.17	109	2.00	0.554		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.15	107	2.00	0.444		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.35	106	6.00	0.673		
Total BTEx	<0.300	0.300	01/28/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	201	100	200	0.604	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	209	104	200	0.297	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 2 (H250444-58)

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	01/28/2025	ND	2.06	103	2.00	1.39	
Toluene*	<0.050	0.050	01/28/2025	ND	2.17	109	2.00	0.554	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.15	107	2.00	0.444	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.35	106	6.00	0.673	
Total BTX	<0.300	0.300	01/28/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	201	100	200	0.604	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	209	104	200	0.297	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 106 % 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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 3 (H250444-59)

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	01/28/2025	ND	2.06	103	2.00	1.39	
Toluene*	<0.050	0.050	01/28/2025	ND	2.17	109	2.00	0.554	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.15	107	2.00	0.444	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.35	106	6.00	0.673	
Total BTEx	<0.300	0.300	01/28/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	232	116	200	3.49	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	228	114	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 4 (H250444-60)

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	01/28/2025	ND	2.06	103	2.00	1.39		
Toluene*	<0.050	0.050	01/28/2025	ND	2.17	109	2.00	0.554		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.15	107	2.00	0.444		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.35	106	6.00	0.673		
Total BTEx	<0.300	0.300	01/28/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	232	116	200	3.49	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	228	114	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/24/2025
 Reported: 01/30/2025
 Project Name: STARCASTER 18 FED COM #004H
 Project Number: 249316
 Project Location: BTA - LEA COUNTY, NM

Sampling Date: 01/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 5 (H250444-61)

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	01/28/2025	ND	2.06	103	2.00	1.39	
Toluene*	<0.050	0.050	01/28/2025	ND	2.17	109	2.00	0.554	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.15	107	2.00	0.444	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.35	106	6.00	0.673	
Total BTX	<0.300	0.300	01/28/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/28/2025	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	232	116	200	3.49	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	228	114	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: DTGE		BILL TO		ANALYSIS REQUEST	
Project Manager: Kellan Smith		P.O. #:			
Address: 13212 N MacArthur Blvd		Company: BTA			
City: Oklahoma City		Attn:			
State: OK Zip: 73142		Address:			
Phone #: 249316		City:			
Fax #: 249316		State:			
Project Name: Starcoaster 18 Fed Com #0004H		Zip:			
Project Location: Lea County		Phone #:			
Sampler Name: Claydon Lums		Fax #:			
FOR LAB USE ONLY					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER
H250444	CS-1	C	1	X	
1	CS-2				
2	CS-3				
3	CS-4				
4	CS-5				
5	CS-6				
6	CS-7				
7	CS-8				
8	CS-9				
9	CS-10				
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Relinquished By: [Signature]		11/24		9:00	
Relinquished By: [Signature]					
Date: 11/24		Received By: [Signature]			
Time: 12:08		Received By: [Signature]			
Date:		Received By:			
Time:					
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)	REMARKS:	
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	282	NMOC ID: 05XK1614627849	
TURNAROUND TIME: 3-5 BUSINESS DAYS		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>			
		Bacteria (only) <input type="checkbox"/> Sample Condition <input type="checkbox"/>			
		Cool <input type="checkbox"/> Intact <input type="checkbox"/>			
		Yes <input type="checkbox"/> No <input type="checkbox"/>			
		Corrected Temp. °C			

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: DTGE		BILL TO		ANALYSIS REQUEST												
Project Manager: Kellan Smith		P.O. #:														
Address: 13212 N MacArthur Blvd		Company: BTA														
City: Oklahoma City		Attn:														
State: OK Zip: 73142		Address:														
Phone #:		City:														
Project #: 249316		State:														
Project Owner: BTA		Zip:														
Project Name: Starcaster 18 Fed Com #004H		Phone #:														
Project Location: Lee County		Fax #:														
Sampler Name: Clayton Lums																
FOR LAB USE ONLY																
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	BTX TPH Chloride	
4250444	CS-21	C	1	X									1/24	9:00		
31	CS-22															
32	CS-23															
33	CS-24															
34	CS-25															
35	CS-26															
36	CS-27															
37	CS-28															
38	CS-29															
39	CS-30															
40																
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Relinquished By:		Date: 1/24	Received By: S. Reddiquery													
Time: 12:08		Date:		Time:												
Relinquished By:		Date:		Time:												
Delivered By: (Circle One)		Observed Temp. °C		Corrected Temp. °C		Sample Condition		CHECKED BY: (Initials)								
Cool Intact		Cool Intact		Cool Intact		Cool Intact		Cool Intact								
Yes		Yes		Yes		Yes		Yes								
No		No		No		No		No								
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Corrected Temp. °C		Corrected Temp. °C		Corrected Temp. °C								
Thermometer ID #140		Correction Factor -0.8°C		Correction Factor -0.8°C		Correction Factor -0.8°C		Correction Factor -0.8°C								
Turnaround Time:		Standard		Standard		Standard		Standard								
Rush		Rush		Rush		Rush		Rush								
Bacteria (only) Sample Condition		Cool Intact		Cool Intact		Cool Intact		Cool Intact								
Yes		Yes		Yes		Yes		Yes								
No		No		No		No		No								
Corrected Temp. °C		Corrected Temp. °C		Corrected Temp. °C		Corrected Temp. °C		Corrected Temp. °C								
REMARKS:		NMCD ID: 5JXK161462-7849														
Verbal Result:		Yes		No		Add'l Phone #:										
All Results are emailed. Please provide Email address:																







BTEX
TPH
Chloride

Released to Imaging: 3/14/2025 3:56:40 PM

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Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	BTEX	TPH	Chloride
H250444	CS-41	<input checked="" type="checkbox"/>	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11/24	9:00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
41	CS-42	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
42	CS-43	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
43	CS-44	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
44	CS-45	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
45	CS-46	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
46	CS-47	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
47	CS-48	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
48	CS-49	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
49	CS-50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
50		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Relinquished By:	Date:	Received By:	Verbal Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #:
	1/24		All Results are emailed. Please provide Email address:			
Relinquished By:	Time:	Received By:	REMARKS:			
	12:00		NMCD ID: 05XK161462 7849			
	Date:					
	Time:					

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY:	Turnaround Time:	Standard	Bacteria (only)	Sample Condition
	Corrected Temp. °C	Cool <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(initials)	Thermometer ID #140	Rush <input type="checkbox"/>	Cool <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Observed Temp. °C
Sampler - UPS - Bus - Other:				Correction Factor -0.6°C			Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTGE		BILL TO		ANALYSIS REQUEST																									
Project Manager: Kellan Smith		P.O. #:																											
Address: 13212 N MacArthur Blvd		Company: BTA																											
City: Oklahoma City		Attn:																											
State: OK Zip: 73142		Address:																											
Phone #:		City:																											
Project #: 249316		Project Owner: BTA																											
Project Name: Staccaster 18 Fed Com #0004H		State: Zip:																											
Project Location: Lea County		Phone #:																											
Sampler Name: Claydon J. mds		Fax #:																											
FOR LAB USE ONLY																													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME	
51		CS-31		C 1		1		X																		1724		9:00	
52		CS-32																											
53		CS-33																											
54		CS-34																											
55		CS-35																											
56		CS-36																											
57		SW-1																											
58		SW-2																											
59		SW-3																											
60		SW-4																											

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Relinquished By:	Date: 1/24	Received By:	Date: 1/24
Relinquished By:	Date:	Received By:	Date:

Delivered By: (Circle One) ☒ UPS ☐ Bus ☐ Other: ☐ Corrected Temp. °C **1.3**

Observed Temp. °C **1.4**

Sample Condition ☒ Cool ☒ Intact ☐ Yes ☐ No

CHECKED BY: (Initials) **882**

Turnaround Time: ☒ Standard ☐ Rush

Thermometer ID #140

Correction Factor -0.6°C

Bacteria (only) Sample Condition ☐ Cool ☐ Intact ☐ Yes ☐ No

Corrected Temp. °C

REMARKS: **NMCD ID: 05XK161462 7849**

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTGE		BILL TO		ANALYSIS REQUEST	
Project Manager: Kellan Smith		P.O. #:			
Address: 13212 N MacArthur Blvd		Company: BTA			
City: Oklahoma City		Attn:			
State: OK Zip: 73142		Address:			
Phone #:		City:			
Project #: 249316		Project Owner: BTA			
Project Name: Starcaster 18 Fed Com #0004H		State: Zip:			
Project Location: Lee County		Phone #:			
Sampler Name: Claydon Lums		Fax #:			
FOR LAB USE ONLY		MATRIX		PRESERV. SAMPLING	
Lab I.D. Sample I.D.		(G)RAB OR (C)OMP.			
H250444		# CONTAINERS			
61		GROUNDWATER			
SW-5		WASTEWATER			
		SOIL			
		OIL			
		SLUDGE			
		OTHER :			
		ACID/BASE:			
		ICE / COOL			
		OTHER :			
		DATE			
		TIME			
		1/24			
		9:00			
		X			
		X			
		X			
		BTEX			
		TPH			
		Chloride			

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Relinquished By:	Date: 1/24	Received By:	Date: 1/24
Relinquished By:	Time: 1:00	Received By:	Time: 1:00
Delivered By: (Circle One)	Observed Temp. °C: 1.9	Sample Condition	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C: 1.3	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	8/2
Turnaround Time: Standard	Thermometer ID: #140	Bacteria (only) Sample Condition	Observed Temp. °C
Correction Factor: -0.6°C		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Corrected Temp. °C
REMARKS: NMCD ID: 05XK1614627849			
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:			
All Results are emailed. Please provide Email address:			

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 438684

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 438684
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nJXK1614627849
Incident Name	NJXK1614627849 STARCASTER 18 FEDERAL COM #004H @ 30-025-42025
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-42025] STARCASTER 18 FEDERAL COM #004H

Location of Release Source

Please answer all the questions in this group.

Site Name	STARCASTER 18 FEDERAL COM #004H
Date Release Discovered	05/24/2016
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 5 BBL Recovered: 0 BBL Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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Oil Conservation Division
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QUESTIONS, Page 2

Action 438684

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 438684
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Ray Ramos Title: Environmental Manager Email: rramos@btaoil.com Date: 01/21/2025
--	---

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Oil Conservation Division
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QUESTIONS, Page 3

Action 438684

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 438684
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 200 and 300 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

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

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

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

Chloride (EPA 300.0 or SM4500 Cl B)	368
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	01/28/2025
On what date will (or did) the final sampling or liner inspection occur	01/28/2025
On what date will (or was) the remediation complete(d)	01/28/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0

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

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

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

QUESTIONS, Page 4

Action 438684

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 438684
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	Delineation data shows to area to be below NMAC regulatory standards. NTG proposes to confirmation sample the area to show it is below NMAC standards.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Ray Ramos Title: Environmental Manager Email: rramos@btaoil.com Date: 03/04/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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QUESTIONS, Page 5

Action 438684

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 438684
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 438684

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 438684
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	423705
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/24/2025
What was the (estimated) number of samples that were to be gathered	61
What was the sampling surface area in square feet	11127

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	This area was confirmation sampled to ensure no impacts remained at the site.
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Ray Ramos Title: Environmental Manager Email: rramos@btaoil.com Date: 03/04/2025

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QUESTIONS, Page 7

Action 438684

QUESTIONS (continued)

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	Action Number: 438684
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 438684

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 438684
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation closure approved.	3/14/2025
amaxwell	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	3/14/2025
amaxwell	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	3/14/2025