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January 15, 2025

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

Re: Site Characterization and Remediation Work Plan

**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**

On behalf of BTA Oil Producers (BTA), New Tech Global Environmental, LLC (NTGE) has prepared this Site Characterization and Remediation Work Plan for submittal to the New Mexico Oil Conservation Division (NMCOD) District 2 Office in Artesia, New Mexico to document site assessment, remedial action activities, and sample analysis results for incident ID: nJXK1614627849 – 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**

**Incident nJXK1614627849:** Based on the initial C-141 submitted by BTA and obtained by the New Mexico Oil Conservation District (NMOCD), the release was discovered on May 24, 2016, and was the result of break in a water transfer polyline, resulting in the release of 5 barrels (bbls) of produced water onto the battery location and into the adjacent pasture, of which zero (0) bbls were recovered. Upon discovery, all associated wells were shut in, and the area was secured. The release area is shown on Figure 3.

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#### **Groundwater and Site Characterization**

Based on a review of the New Mexico Office of State Engineers and USGS databases, there is two known water sources within a ½-mile radius of the Site. A groundwater determination bore (CP-1886 Pod 1) was drilled in 2021 to a depth of one-hundred and ten (110) feet (ft) below ground surface (bgs) and no groundwater was encountered. One receptor, a riverine wetland was located 244 ft south of the site based on National Wetlands Inventory (NWS) and the New Mexico Environmental Surface Water Department. No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or 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)

| Regulatory Standard   | Chloride  | TPH           | GRO+DRO | BTEX     | Benzene  |
|---|-----------|---------------|---------|----------|----------|
|   |           | (GRO+DRO+MRO) |         |          |          |
| 19.15.29.12 Remediation<br>and Closure Criteria for<br>Soils Impacted by a<br>Release | 600 mg/kg | 100 mg/kg     |         | 50 mg/kg | 10 mg/kg |
| Notes: = not defined  |           |               |         |          |          |

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

On December 2, 2024, NTGE conducted site assessment activities to assess the extent of impacts at the Site. Three (3) vertical sample points (V-1 through V-3) were installed within the release area and six (6) horizontal sample points (H-1 through H-6) were installed adjacent to the release area in order to vertically and horizontally characterize the impacts. Vertical soil samples were collected at one (1) foot intervals from depths ranging from zero (0) to four and a half (4.5) bgs, and horizontal soil samples were collected at zero to half a foot (0-0.5') increments with a geotechnical hand auger. The auger was decontaminated with Alconox© and deionized water between sample points to prevent cross contamination. Soil samples were placed directly into laboratory provided samples containers, placed on ice, and transported under proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico for analysis of benzene, toluene, ethylbenzene, and xylene (BTEX) (Method SW846 8021B), total petroleum hydrocarbon (TPH) (Method SW846 8015B), and chloride (method EPA 4500CL-B). Analytical results indicated that BTEX, TPH, and chloride concentrations were below the NMOCD

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regulatory limits at depths of zero (0) to four and a half (4.5) ft in all vertical samples bgs and at a depth of zero (0) to a half foot (0-0.5) ft bgs in all horizontal samples.

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

# **Proposed Work Plan**

After receiving and evaluating the soil boring data NTGE proposes to final confirmation sample the site to ensure that there are no impacted soils. Approximately sixty (60) confirmation samples will be collected at the surface and transported to an accredited lab for analysis. The proposed confirmation sample map is shown on Figure 4.

Confirmation samples will be taken with a five (5) point composite sample and represent an area no greater than 200 square feet to comply with NMAC 19.15.23.12 and 19.15.29.13. Discrete soil samples will be collected from the sidewalls and bottom of the excavation if any staining is observed. All confirmation samples will be taken to a certified laboratory and analyzed for BTEX by EPA Method 8021B, TPH by EPA Method 8015B Modified, and chloride by SM4500 Cl-B. If any of the confirmation samples collected exhibit concentrations above regulatory standards set by NMAC 19.15.23.12 and 19.15.23.13, the areas will be excavated until concentrations are below Table I Closure Criteria.

If you have any questions regarding this letter, please contact us at (432)-701-2159.

Sincerely,

**NTG Environmental** 

**Ethan Sessums** 

Jr. Field Operations Manager

Kellan Smith

Project Manager

Attachments:

Tables

Figures

Photographic Log

Site Characterization Documentation

Laboratory Reports and Chain-of-Custody Documents

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# **Tables**



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

|           |             |          |          |         |              |               |                  | ТРН             |                  |                       |                  |                                  |           |
|-----------|-------------|----------|----------|---------|--------------|---------------|------------------|-----------------|------------------|-----------------------|------------------|----------------------------------|-----------|
| Sample ID | Sample Date | Depth    | Benzene  | Toluene | Ethylbenzene | Xylenes       | ВТЕХ             | GRO<br>(C6-C10) | DRO<br>(C10-C28) | GRO + DRO<br>(C6-C28) | MRO<br>(C28-C35) | Total<br>GRO/DRO/MRO<br>(C6-C35) | Chloride  |
| ·         |             | (ft bgs) | (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 Cri | teria for Soil > | 100 feet De     | epth to Grou     | ndwater 19.15.        | 29 NMAC          |                                  |           |
|           |             |          | 10 mg/kg |         |              |               | 50 mg/kg         |                 |                  |                       |                  | 100 mg/kg                        | 600 mg/kg |
|           |             |          |          |         | Verti        | cal Delineati | on Samples       |                 |                  |                       |                  |                                  |           |
|           | 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      |
| V-1       | 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      |
|           | 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     |
| V-2       | 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      |
|           | 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      |
| V-3       | 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       |
|           |             |          |          |         |              | ntal Delinea  | tion Samples     |                 |                  |                       |                  |                                  |           |
| H-1       | 12/2/2024   | 05'      | <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   | 05'      | <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   | 05'      | <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   | 05'      | <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   | 05'      | <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   | 05'      | <0.050   | <0.050  | <0.050       | <0.150        | <0.300           | <10.0           | <10.0            | <10.0                 | <10.0            | <10.0                            | 32.0      |

#### Notes:

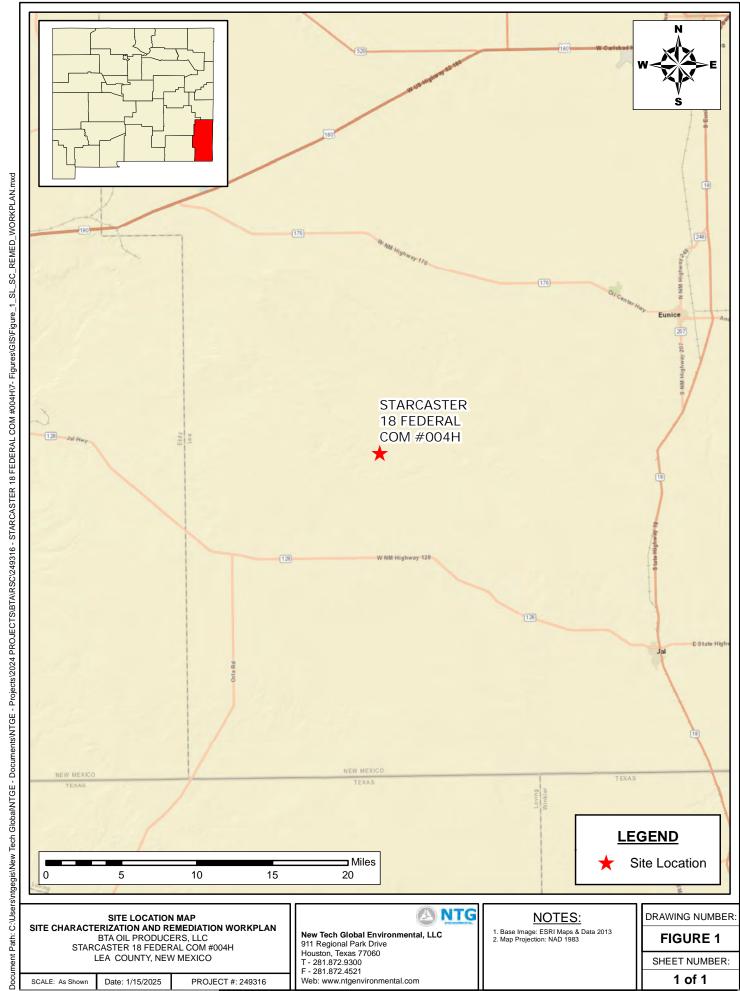
- 1. Values reported in mg/kg
- 2.< = Value Less Than Reporting Limit (RL)
- 3. Bold indicates Analyte Detected
- 4. BTEX analyses by EPA Method SW 8021B

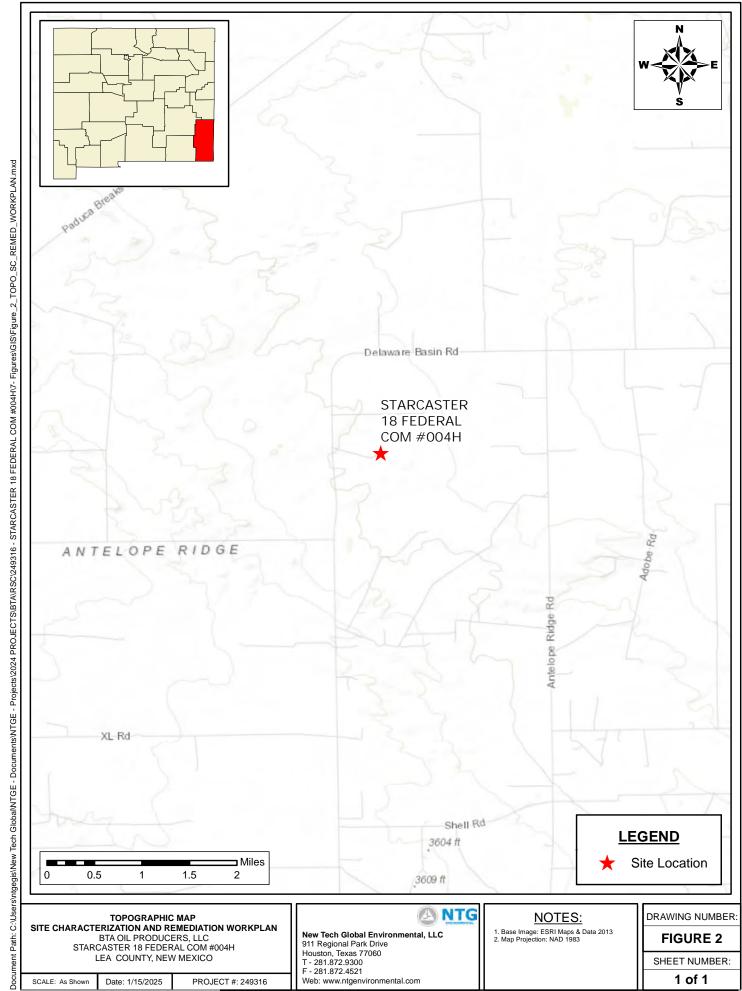
  SP-1

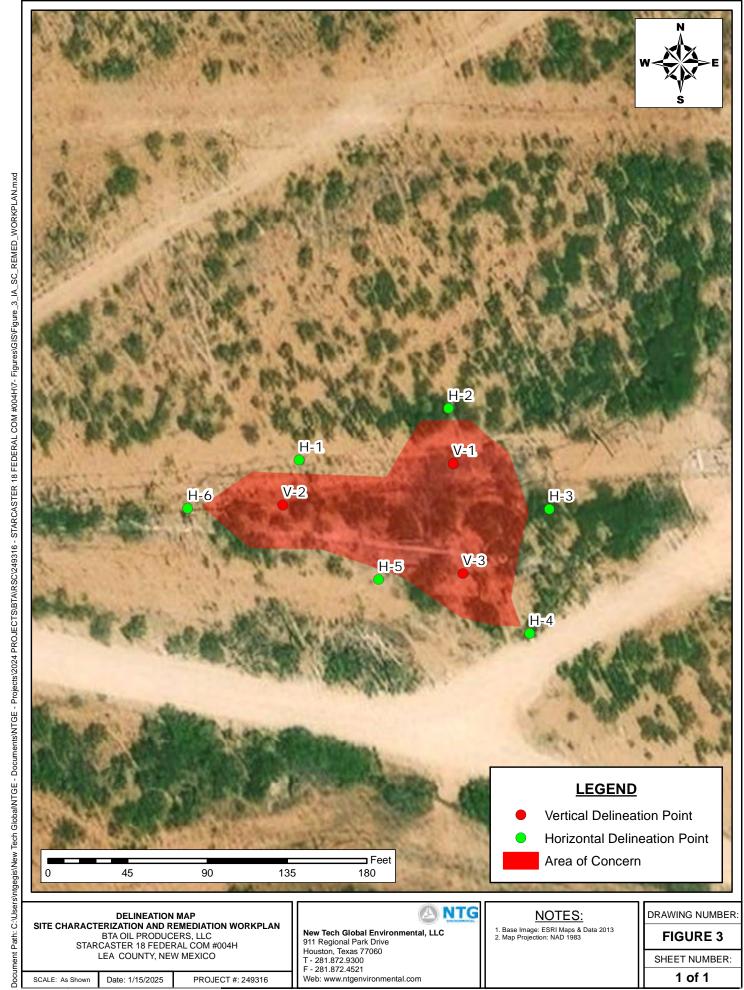
  Sample Point Excavated
- 5. TPH analyses by EPA Method SW 8015 Mod.
- 6. GRO/DRO/MRO Gasoline/Diesel/Motor Oil
- 7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
- 8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).
- 9. --- Not Analyzed

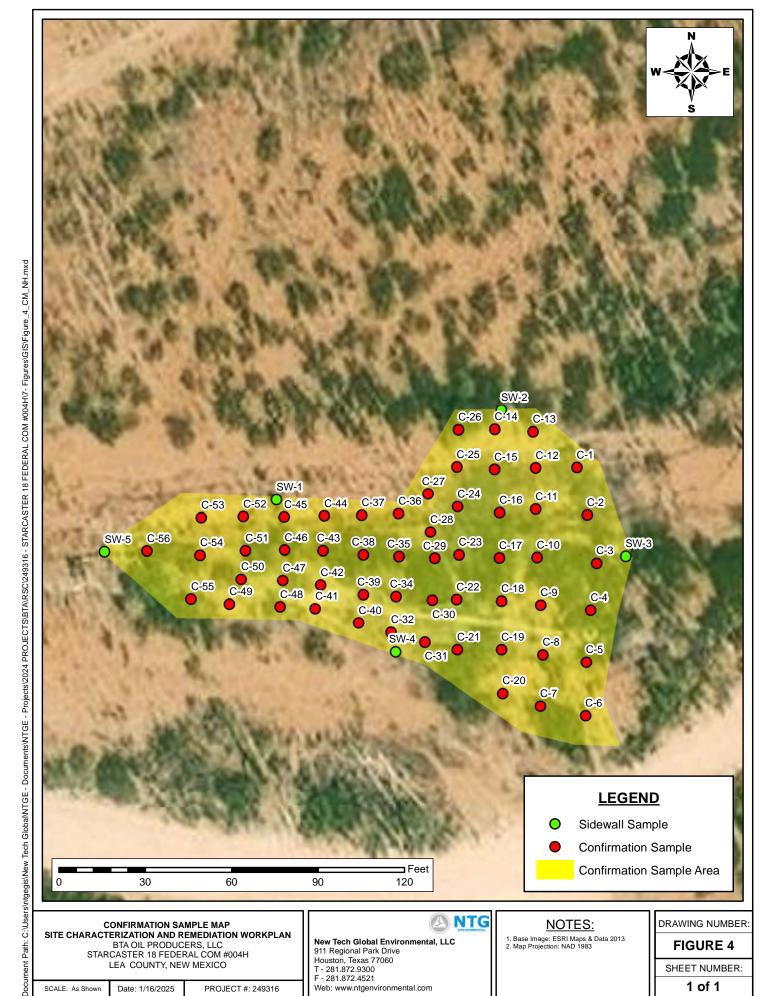
# **Figures**











**Site Characterization Information** 



#### **NMOCD Closure Criteria**

Starcaster 18 Federal Com #004H

| Star Gaster 16 1 Gastar Germ 700 111                            |         |                                    |
|---|---------|------------------------------------|
| Site Information (19.15.29.11.A (2,3, & 4) NMAC)                |         | Source/Notes                       |
| Depth to Groundwater ( ft bgs)                                  | >110 ft | Office of the State Engineer (OSE) |
| Horizontal Distance from All Water Sources Within 0.5 mile (ft) | 244 ft  | National Wetlands Inventory (NWS)  |
| Horizontal Distance to Nearest Significant Watercourse (ft)     | 244 ft  | National Wetlands Inventory (NWS)  |

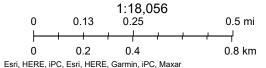
| Closure Criteria (19.  | 15.29.12.B(4) a | nd Table 1 NM | AC)   |                  |       |         |
|--|-----------------|---------------|-------|------------------|-------|---------|
| Depth to Groundwater (ft)  |                 |               | Clos  | sure Criteria (m | g/kg) |         |
| Deptil to Groundwater (it)   |                 | Chloride*     | TPH   | GRO + DRO        | BTEX  | Benzene |
| < 50   |                 | 600           | 100   |                  | 50    | 10      |
| 51 - 100   |                 | 10,000        | 2,500 | 1,000            | 50    | 10      |
| >100   | Х               | 20,000        | 2,500 | 1,000            | 50    | 10      |
| Surface Water  | Yes/No          |               |       | in yes, then     |       |         |
| <300 ft from a continuously flowing watercourse or other significant |                 |               |       |                  |       |         |
| watercourse?   | Yes             |               |       |                  |       |         |
| <200 ft from a lakebed, sinkhole, or playa lake?                     | No              |               |       |                  |       |         |
| Water Well or Water Source   |                 | l             |       |                  |       |         |
| <500 ft from a spring or a private, domestic fresh waster well used  |                 |               |       |                  |       |         |
| . • .  |                 |               |       |                  |       |         |
| by less that 5 households for domestic or livestock purposes?        | No              |               |       |                  |       |         |
| <1,000 ft from a fresh water well or spring?                         | No              |               |       |                  |       |         |
| Human and Other Area   |                 | 600           | 100   |                  | 50    | 10      |
| <300 ft from an occupied permanent residence, school, hospital,      |                 |               |       |                  |       |         |
| institution or church?   | No              |               |       |                  |       |         |
| Within incorporated municipal boundaries or within a defined         |                 |               |       |                  |       |         |
| municipal fresh water well field?                                    | No              |               |       |                  |       |         |
| <100 ft from a wetland?  | No              |               |       |                  |       |         |
| Within an area overlying a subsurface mine?                          | No              |               |       |                  |       |         |
| Within and unstable area?  | No              |               |       |                  |       |         |
| Within a 100 yr floodplain?  | No              |               |       |                  |       |         |

<sup>\* -</sup> numerical limit or background, whichever is greater

# **OSE POD Location Map**





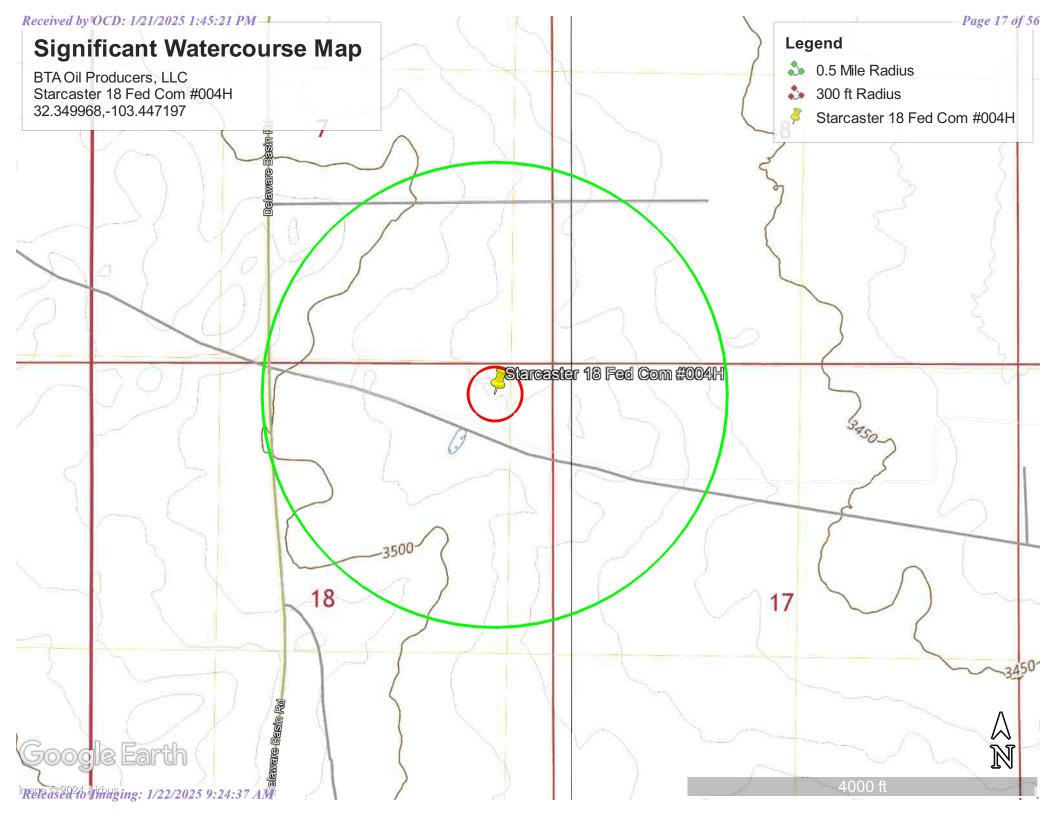




|   |   |            |                | -                  | 77.4   |             |               |                        |                       |         |                       |                                       |  |
|---|---|------------|----------------|--------------------|--|-------------|---------------|------------------------|-----------------------|---------|-----------------------|---------------------------------------|--|
|   | OSE POD NO  |            | VO.)           | ·                  | WELL TAG ID NO.                                |             |               | OSE FILE NO            | (S).                  |         |                       |                                       |  |
| NO N  | POD1 (E   |            |                |                    | n/a  |             |               | CP-1886                |                       |         |                       |                                       |  |
| GENERAL AND WELL LOCATION                     | WELL OWN  |            | • •            |                    |  | <del></del> |               | PHONE (OPTI            | ONAL)                 |         |                       |                                       |  |
| ļš  | Kaiser-Fra  |            |                |                    |  |             |               |                        |                       |         |                       |                                       |  |
| 1   |   |            | NG ADDRESS     |                    |  | •           |               | CITY                   |                       | STAT    |                       | ZIP                                   |  |
| W.E   | 6733 S. Ya  | ale Ave    |                |                    |  |             |               | Tulsa                  |                       | OK      | 74136                 |                                       |  |
| 2   | WELL  |            |                | DEGREES            | MINUTES  | SECON       | DS            |                        |                       |         |                       |                                       |  |
| L A   | LOCATIO   |            | .ATITUDE       | 32                 | 19   | 0.9         | 1 N           | ACCURACY               | REQUIRED: ONE TEN     | TH OF A | A SECOND              |                                       |  |
| <b>X</b>                                      | (FROM GI  | PS)        | ONGITUDE       | 103                | 30   | 21.2        | 22 W          | * DATUM RE             | QUIRED: WGS 84        |         |                       |                                       |  |
| EN  | DESCRIPTION   |            |                | N TO STREET AD     | DRESS AND COMMON                               | I I ANDMA   | DKC DI        | S (SECTION TO          | WNSHJIP, RANGE) WH    | EDE AL  | /AII ADI D            |                                       |  |
| =   |   |            | 7 T23S R34E    |                    |  |             | nuib 12.      | ,                      | William , Idaida) Wil | LICE A  | минось                |                                       |  |
|   | LICENSE NO  | ).         | NAME OF LICEN  | SED DRILLER        | ·  |             |               | <del></del>            | NAME OF WELL DR       | ILLING  | COMPANY               |                                       |  |
|   | 124   | 49         | }              |                    | Jackie D. Atkins                               |             |               |                        | 1                     |         | ng Associates, I      | nc.                                   |  |
|   | DRILLING S  |            | DRILLING ENDE  |                    | COMPLETED WELL (F.                             |             | BORE HO       | LE DEPTH (FT)          | DEPTH WATER FIR       | ST ENC  | OUNTERED (FT)         |                                       |  |
|   | 09/09/  | /2021      | 09/09/2021     |                    | n  | /a          |               |                        |                       |         |                       |                                       |  |
|   | COMPLETED WELL IS: ARTESIAN DRY HOLE SHALLOW (UNCONFINED) |            |                |                    |  |             |               |                        |                       |         | COMPLETED WE          | LL (FT)                               |  |
| Z   | COM LETE  | ———        | 2 1.1 AKIESIAN | J <u>v</u> i DKI N | OLE   SHALLO                                   | W (UNCUI    | NTINED)       |                        |                       | n/      | /a                    |                                       |  |
| ATI   | DRILLING FLUID: AIR MUD ADDITIVES - SPECIFY:              |            |                |                    |  |             |               |                        |                       |         |                       |                                       |  |
| 2. DRILLING & CASING INFORMATION              | DRILLING M  | ÆTHOD:     | ROTARY         | П намм             | ER CABLE T                                     | OOL         | <b>✓</b> OTHE | IR - SPECIFY:          | Hollow Stem Auger     |         |                       |                                       |  |
| N FG  | DEPTH   | (feet bgl) | BORE HOL       | r CASIN            | G MATERIAL AND                                 | O/OR        |               |                        | CASING                |         |                       |                                       |  |
| <u>[</u> 2                                    | FROM  | то         |                | _                  | GRADE  |             |               | ASING<br>NECTION       | INSIDE DIAM.          |         | SING WALL<br>HICKNESS | SLOT<br>SIZE                          |  |
| ASI   |   | İ          | (inches)       |                    | e each casing string,<br>e sections of screen) |             |               | TYPE<br>ling diameter) | (inches)              |         | (inches)              | (inches)                              |  |
| \ \cdot \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 0   | 105        | ±6.5           |                    | Boring- HSA                                    |             | (aud voup     |                        | -                     |         |                       | <del>  -</del>                        |  |
| و   |   |            |                |                    |  |             |               |                        |                       |         |                       |                                       |  |
|   |   |            |                |                    | -  |             |               |                        | 1                     |         |                       |                                       |  |
| K   |   |            |                |                    |  |             |               |                        |                       |         |                       |                                       |  |
| 2.1   |   |            |                |                    |  |             |               |                        |                       |         |                       |                                       |  |
|   |   |            |                |                    |  |             |               |                        |                       |         |                       |                                       |  |
|   |   |            |                |                    |  |             |               |                        |                       |         |                       |                                       |  |
|   |   |            |                |                    |  |             |               |                        |                       |         |                       | i                                     |  |
|   |   |            |                |                    |  |             |               |                        |                       |         |                       |                                       |  |
|   |   |            |                |                    |  |             |               |                        |                       |         |                       |                                       |  |
|   | DEPTH   | (feet hgl) | BORE HOL       | E I                | LIST ANNULAR SE                                | 7AT 3/A7    | CEDIAI A      | ANTO                   | AMOUNT                | T       |                       |                                       |  |
| ן דו  | FROM  | то         | DIAM. (inch    |                    | AVEL PACK SIZE-                                |             |               |                        | (cubic feet)          |         | METHO<br>PLACEN       |                                       |  |
| ERL/  | TROM  |            |                |                    |  |             |               |                        | `                     | -       |                       |                                       |  |
| ATI   |   |            |                |                    | <del></del>                                    |             |               |                        |                       | -+      |                       |                                       |  |
| R M   |   |            |                |                    |  |             |               |                        |                       | -       | <u> </u>              |                                       |  |
| [V]   |   |            |                |                    |  |             |               |                        |                       |         |                       |                                       |  |
| ANNULAR MATERIAL                              |   |            |                |                    |  |             |               |                        |                       |         |                       |                                       |  |
| 3. AN   |   |            |                |                    |  |             |               |                        | 93E 97 SE             |         | 2021 #410             | 1757.<br>1944                         |  |
| 👸   |   |            |                |                    |  |             |               |                        |                       |         |                       | · · · · · · · · · · · · · · · · · · · |  |
| LJ  |   |            |                |                    |  |             |               |                        | I .                   |         |                       |                                       |  |
| FILE  | OSE INTER   |            | -1884          |                    | POD NO   |             | ,             | WR-2                   | 0 WELL RECORD         |         |                       | 0/17)                                 |  |
| <b>——</b>                                     | ATION   |            | 1004           | 225 5              |  |             |               | WELL TACK              | 100                   | 700     | PAGE                  | 1.05.2                                |  |

|                           | DEPTH (f     | eet bgl)   |                                   | COLOR AN                                | D TYPE OF MATERIAL E  | NCOUNTERE                | D -                       | WAT                  | TED                | ESTIMATED                                     |
|---------------------------|--------------|------------|-----------------------------------|---|---|--------------------------|---------------------------|----------------------|--------------------|---|
|                           | FROM         | то         | THICKNESS<br>(feet)               | INCLUDE WATE                            | R-BEARING CAVITIES O  | R FRACTURE               | ZONES                     | BEAR<br>(YES         | ING?               | YIELD FOR<br>WATER-<br>BEARING<br>ZONES (gpm) |
|                           | 0            | 4          | 4                                 | Sand, Medium/F                          | rine grained, poorly graded,  | caliche gravel           | Brown                     | Y                    | √ N                | ZOTYZB (GPIII)                                |
|                           | 4            | 9          | 5                                 |   | e, with fine-grained sand, Of   | -                        |                           | Y                    | √ N                |   |
|                           | 9            | 105        | 96                                | Sand, Fine gra                          | ained, poorly graded, with ca   | liche gravel, Br         | own                       | Y                    | ✓ N                |   |
|                           | ,            |            |                                   |   |   |                          |                           | Y                    | N                  |   |
|                           |              |            |                                   |   |   |                          |                           | Y                    | N                  |   |
| 占                         |              |            |                                   |   |   |                          |                           | Y                    | N                  |   |
| HYDROGEOLOGIC LOG OF WELL |              |            |                                   |   |   |                          |                           | Y                    | N                  |   |
| O.                        |              |            |                                   |   |   | <u></u>                  |                           | Y                    | N                  |   |
| 9                         |              |            |                                   |   |   |                          |                           | Y                    | N                  |   |
| Cic                       |              |            |                                   |   |   |                          |                           | Y                    | N                  |   |
| Š                         |              |            |                                   |   |   |                          |                           | Y                    | N                  |   |
| GEC                       |              |            |                                   |   |   |                          |                           | Y                    | N                  |   |
| DRO                       |              |            |                                   | ·                                       |   |                          |                           | Y                    | N                  |   |
| Œ                         |              |            |                                   |   |   |                          |                           | Y                    | N                  |   |
| 4                         |              |            |                                   |   |   |                          |                           | Y                    | N                  |   |
|                           |              |            |                                   |   |   |                          |                           | Y                    | N                  |   |
|                           |              |            |                                   |   |   |                          |                           | Y                    | N                  |   |
|                           |              |            |                                   |   |   |                          |                           | Y                    | N                  |   |
|                           |              |            |                                   |   |   |                          |                           | Y                    | N                  |   |
|                           |              |            |                                   |   |   |                          |                           | Y                    | N                  |   |
|                           |              |            |                                   |   |   |                          |                           | Y                    | N                  |   |
|                           | METHOD U     | SED TO ES  | TIMATE YIELD                      | OF WATER-BEARING                        | G STRATA:   |                          |                           | AL ESTIM             |                    |   |
|                           | PUMI         | ? [A       | IR LIFT                           | BAILER OT                               | HER – SPECIFY:  |                          | WE                        | LL YIELD             | (gpm):             | 0.00  |
| ON                        | WELL TES     | TEST STAR  | RESULTS - ATT.<br>I TIME, END TII | ACH A COPY OF DAT<br>ME, AND A TABLE SH | A COLLECTED DURING<br>HOWING DISCHARGE AN                             | WELL TESTIN<br>D DRAWDOW | IG, INCLUDI<br>IN OVER TH | NG DISCI<br>E TESTIN | IARGE I<br>G PERIC | METHOD,<br>D.                                 |
| VISION                    | MISCELLAI    | NEOUS INF  | ORMATION: Te                      | mnorany well materia                    | als removed and the soil b  | oring backfill           | ed using dri              | Il cuttings          | from to            | tal denth to ten                              |
| PER                       |              |            | fe                                | et below ground surfa                   | ce, then hydrated benton  | ite chips from           | ten feet belo             | w ground             | surface            | to surface.                                   |
| TEST; RIG SUPER           |              |            |                                   |   |   |                          |                           |                      |                    |   |
| 38                        |              |            |                                   |   |   |                          |                           |                      |                    |   |
| TES                       | PRINT NAM    | Æ(S) OF DI | RILL RIG SUPER                    | VISOR(S) THAT PRO                       | VIDED ONSITE SUPERVI  | SION OF WEL              | L CONSTRU                 | CTION O              | THER TH            | IAN LICENSEE:                                 |
| ,                         | Shane Eldric | ige, Carme | lo Trevino, Can                   | neron Pruitt                            |   |                          | ner r                     | אדר וריורדה          | നുംഗരുന്ന          | Mark AFED                                     |
|                           |              |            | ·                                 |   |   |                          |                           |                      |                    | 11 am10:58                                    |
| TURE                      | CORRECT F    | RECORD OF  | F THE ABOVE D                     | ESCRIBED HOLE AN                        | EST OF HIS OR HER KNO<br>D THAT HE OR SHE WIL<br>PLETION OF WELL DRIL | L FILE THIS V            |                           |                      |                    |   |
| . SIGNATURE               | Jack Ar      | tkins      |                                   | Jac                                     | ckie D. Atkins  |                          |                           | 09/23                | /2021              |   |
| vớ                        |              | SIGNAT     | URE OF DRILLE                     | R / PRINT SIGNEE                        | NAME  | <del></del>              |                           |                      | DATE               |   |
| FOF                       | OSE INTERI   | NAL USE    |                                   |   |   | WR-2                     | 20 WELL RE                | CORD & 1             | LOG (Ve            | rsion 06/30/2017)                             |
|                           | E NO.        |            | ·                                 |   | POD NO.   | TRN                      | •                         |                      |                    |   |
| LO                        | CATION       |            |                                   |   |   | WELL TAG I               | D NO.                     |                      |                    | PAGE 2 OF 2                                   |







# Wetlands Map



November 8, 2024

#### Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

Riverine

Other



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.

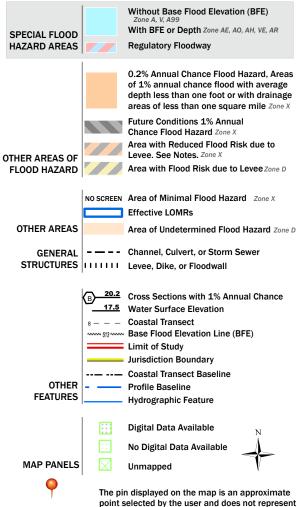
OReleas240 Imaging: 1/22/2025 9924:37 AM

# National Flood Hazard Layer FIRMette





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



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.

an authoritative property location.

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.



2,000

Photographic Log



# PHOTOGRAPHIC LOG

#### **BTA Oil Producers**

Starcaster 18 Federal Com #004H

## Photograph No. 1

Facility: Starcaster 18 Federal Com #004H

County: Lea County, New Mexico

Description:

View of Initial Assessment Activities



#### Photograph No. 2

Facility: Starcaster 18 Federal Com #004H

County: Lea County, New Mexico

**Description:** 

View of Initial Assessment Activities



#### Photograph No. 3

Facility: Starcaster 18 Federal Com #004H

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 #004H

County: Lea County, New Mexico

Description:

View of Initial Assessment Activities



#### Photograph No. 5

Facility: Starcaster 18 Federal Com #004H

County: Lea County, New Mexico

**Description:** 

View of Initial Assessment Activities



#### Photograph No. 6

Facility: Starcaster 18 Federal Com #004H

County: Lea County, New Mexico

Description:

View of Initial Assessment Activities



**Laboratory Reports and Chain-of-Custody Documents** 





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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### 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 - 1 0-6" (H247300-01)

| BTEX 8021B                           | mg/    | kg              | Analyze         | d 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 | 97.1   | % 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/kg  |                 | Analyze         | d 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   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 75.8   | % 49.1-14       | 8               |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



#### 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

Analyzed By: JH

Project Location: BTA - LEA COUNTY, NM

mg/kg

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

BTEX 8021B

| DILX GOZID                           | ıııg,  | , kg            | Andryzo         | u by. 511    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| 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 | 99.8   | % 71.5-13       | 4               |              |      |            |               |      |           |
| 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             | Analyze         | d 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   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 78.8   | % 49.1-14       | 8               |              |      |            |               |      |           |
|                                      |        |                 |                 |              |      |            |               |      |           |

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Celey D. Keene



#### 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

Analyzed By: JH

Project Location: BTA - LEA COUNTY, NM

mg/kg

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

BTEX 8021B

|                                      | 9/     | 9               | 7          | 7: :         |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| 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   | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | d 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  |                 | Analyze    | d 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   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 72.2   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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Celeg & Keene



#### 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 Sample Received By: Project Number: 249316 Tamara Oldaker

Project Location: BTA - LEA COUNTY, NM

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

| BTEX 8021B                           | mg/    | 'kg             | Analyze    | d 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   | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/    | /kg             | Analyze    | d 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             | Analyze    | d 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   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 79.7   | % 49.1-14       | 8          |              |      |            |               |      |           |

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Celey D. Keine



#### 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

Analyzed By: JH

Project Location: BTA - LEA COUNTY, NM

mg/kg

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

BTEX 8021B

|                                      | <u> </u> |                 |            |              |      |            |               |      |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| 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     | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | d 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    |                 | Analyze    | d 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     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 73.3     | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |          |                 |            |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### 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 Sample Received By: Tamara Oldaker Project Number: 249316

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   | % 71.5-13       | 4               |              |      |            |               |      |           |
| 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   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 74.3   | % 49.1-14       | 8               |              |      |            |               |      |           |

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12/02/2024

Soil

#### Analytical Results For:

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

Sampling Date:

12/02/2024

Reported: 12/06/2024 Sampling Type:

Project Name: STAR CASTER 18 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 249316

Project Location: BTA - LEA COUNTY, NM

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

Received:

| 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 9  | 71.5-13         | 4               |              |      |            |               |      |           |
| 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   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 74.4   | % 49.1-14       | 8               |              |      |            |               |      |           |

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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

Applyzod By: 14

Project Location: BTA - LEA COUNTY, NM

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

RTFY 8021R

| BIEX 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   | % 71.5-13       | 4               |              |      |            |               |      |           |
| 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   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 71.8   | % 49.1-14       | 8               |              |      |            |               |      |           |
|                                      |        |                 |                 |              |      |            |               |      |           |

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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

Analyzed By: JH

Project Location: BTA - LEA COUNTY, NM

mg/kg

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

BTEX 8021B

| DILX GOZID                           | mg/kg  |                 | Analyzea by. 311 |              |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------------|--------------|------|------------|---------------|------|-----------|
| 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   | % 71.5-13       | 4                |              |      |            |               |      |           |
| Chloride, SM4500CI-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   | % 48.2-13       | 4                |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 75.1   | % 49.1-14       | 8                |              |      |            |               |      |           |
|                                      |        |                 |                  |              |      |            |               |      |           |

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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

Applyzod By: 14

Project Location: BTA - LEA COUNTY, NM

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

RTFY 8021R

| B1EX 8021B                           | тд/кд  |                 | 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 | 96.9   | % 71.5-13       | 4               |              |      |            |               |      |           |
| 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            | 79.8   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 74.0   | % 49.1-14       | 8               |              |      |            |               |      |           |
|                                      |        |                 |                 |              |      |            |               |      |           |

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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

Analyzed By: JH

Project Location: BTA - LEA COUNTY, NM

mg/kg

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

BTEX 8021B

|                                      | <u> </u> |                 |                 | • •          |      |            |               |      |           |
|--------------------------------------|----------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| 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     | % 71.5-13       | 4               |              |      |            |               |      |           |
| 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     | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 86.4     | % 49.1-14       | 8               |              |      |            |               |      |           |
|                                      |          |                 |                 |              |      |            |               |      |           |

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Celey & Keene



#### 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 Tamara Oldaker Project Number: 249316 Sample Received By:

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   | % 71.5-13       | 4               |              |      |            |               |      |           |
| 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            | 90.6   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 85.7   | % 49.1-14       | 8               |              |      |            |               |      |           |

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Celey D. Keine



### Analytical Results For:

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

1 42

 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 2' (H247300-13)

| BTEX 8021B                           | mg,    | 'kg             | Analyze    | d 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   | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | 'kg             | Analyze    | d 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             | Analyze    | d 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   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 89.3   | % 49.1-14       | 8          |              |      |            |               |      |           |

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12/02/2024

### Analytical Results For:

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

Received: 12/02/2024 Sampling Date:

Reported: 12/06/2024 Sampling Type: Soil

Project Name: STAR CASTER 18 Sampling Condition: Cool & Intact
Project Number: 249316 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: BTA - LEA COUNTY, NM

mg/kg

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

BTEX 8021B

|                                      | <u> </u> |                 |            | . ,          |      |            |               |      |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| 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     | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | d 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             | Analyze    | d 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     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 90.9     | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |          |                 |            |              |      |            |               |      |           |

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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 Tamara Oldaker Project Number: 249316 Sample Received By:

Project Location: BTA - LEA COUNTY, NM

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

| BTEX 8021B                           | mg/    | 'kg             | Analyze    | d 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   | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/    | 'kg             | Analyze    | d 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             | Analyze    | d 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   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 84.7   | % 49.1-14       | 8          |              |      |            |               |      |           |

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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

Analyzed By: JH

Project Location: BTA - LEA COUNTY, NM

mg/kg

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

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: :         |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| 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   | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d 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             | Analyze    | d 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   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 77.6   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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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

Analyzed By: JH

Project Location: BTA - LEA COUNTY, NM

mg/kg

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

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: :         |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| 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   | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d 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             | Analyze    | d 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   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 87.9   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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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: Sample Received By: 249316 Tamara Oldaker

Project Location: BTA - LEA COUNTY, NM

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

| BTEX 8021B                           | mg/    | kg              | Analyze    | d 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 9 | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/    | kg              | Analyze    | d 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              | Analyze    | d 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 9 | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 75.4 9 | % 49.1-14       | 8          |              |      |            |               |      |           |

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Celey D. Keine



### 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

Analyzed By: JH

Project Location: BTA - LEA COUNTY, NM

mg/kg

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

BTEX 8021B

| DILX GOZID                           | ıııg,  | , kg            | Allulyzo   | u by. 511    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| 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   | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | d 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             | Analyze    | d 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   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 87.5   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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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

Applyzod By: 14

Project Location: BTA - LEA COUNTY, NM

ma/ka

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

RTFY 8021R

| True Value QC<br>2.00<br>2.00<br>2.00<br>6.00 | 2.68<br>1.27<br>0.264<br>0.375 | Qualifier |
|---|--------------------------------|-----------|
| 2.00<br>2.00                                  | 1.27<br>0.264                  |           |
| 2.00  | 0.264                          |           |
|   |                                |           |
| 6.00  | 0.375                          |           |
|   |                                |           |
|   |                                |           |
|   |                                |           |
|   |                                |           |
| True Value QC                                 | RPD                            | Qualifier |
| 400   | 7.41                           |           |
|   |                                |           |
| True Value QC                                 | RPD                            | Qualifier |
| 200   | 6.60                           |           |
| 200   | 7.05                           |           |
|   |                                |           |
|   |                                |           |
|   |                                |           |
|   | 200                            | 200 6.60  |

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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

Analyzed By: JH

Project Location: BTA - LEA COUNTY, NM

mg/kg

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

BTEX 8021B

|                                      | 9/     | 9               | 7          | 7: 5::       |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| 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    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed 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             | Analyze    | ed 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   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 82.8   | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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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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Celeg D. Freene

Relinquished By:

Received By:

REMARKS:

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Corrected Temp. °C 0, 3

Cool Intact
A Yes A Yes
No No Sample Condition

> CHECKED BY: (Initials)

> > Turnaround Time:

Standard Rush

Bacteria (only) Sample Condition
Cool Intact Observed Temp
Yes Yes
No Corrected Temp

Observed Temp. °C Corrected Temp. °C

Thermometer ID #140 Correction Factor -0.6°C

Observed Temp. °C Time:

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

12/2

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

| Sample I.D.  Sample I.D.  Or (C)OMP.  HO DIVIDENT AND A CONTRACT OF THE PROPERTY OF THE PROPER | Project Manager: Ethon Sessons  Address: 3004 (b. Alckoy St.  City: (a/Sbax) State: JJM Zip: 88330 Attn: Ray Rumos  Phone #: 43}-701-2 54 Fax #: Project Owner: BT R  Project Name: Star custer 18  Project Name: Star custer 18  Project Name: Lab I.D.  Sample I.D.  BT R  City: Phone #: PRESERV.  PRESERV.  SAMPLING  PRESERV.  SAMPLI | lient, its subsidiaries, seons or otherwise.  Seons or otherwise.  Seons or otherwise.  No Add'I Phone #: All Results are emailed. Please provide Email address: |
|--|--|--|
| Sample I.D.  Sample I.D.  Sample I.D.  GRAB OR (C)OMP.  H CONTAINERS  GROUNDWATER  WASTEWATER  WASTEWATER  ACID/BASE: ICE / COOL OTHER:  ACID/BASE: ICE / COOL OTHER:  ATEX  TO H  BTEX  | State: JJM Zip: 88320 Attn: Ray Rumos State: JJM Zip: 88320 Attn: Ray Rumos State: JJM Zip: 88320 Attn: Ray Rumos Address: Han Lo JJM Forject Owner: BTR City: State: Zip: Phone #:    Company: BTR City: State: Zip: Phone #:   Company: BTR City: State: Zip: Phone #:   Company: BTR City: State: Zip: Phone #:   Company: BTR City: State: Zip: Phone #:   Company: BTR City: State: Zip: Phone #:   Company: BTR City: State: Zip: Phone #:   Company: BTR City: State: Zip: Phone #:   Company: BTR City: State: Zip: Phone #:   City: State: Zip: P | 1  |
| Sample I.D.  Sample I.D.  Girah or (C)OMP.  A-3-3-5  GROUNDWATER  WASTEWATER  WASTEWATER  SOIL  OIL  SLUDGE  OTHER:  ACID/BASE: ICE / COOL  ACI | BILL TO  STEPHON & SESUMS  PO. #:  State: JUM Zip: 88320 Attn: Ray Ramos  State: JUM Project Owner: BT A  Company: BTA  Address:  HUNNY HAN  Sample I.D.  Address:  Phone #:  Fax #:  Phone #:  Fax #:  GROUNDWATER  WASTEWATER  SOIL  SILUDGE  OTHER:  ACID/BASE:  OTHER:  1-1.5'  1-1.5'  OTHER:  ACID/BASE:  OTHER:   | -  |
| Sample I.D.  Sample I.D.  G) (G) RAB OR (C) OMP.  H CONTAINERS  GROUNDWATER  WASTEWATER  WASTEWATER  ACID/BASE: ICE / COOL OTHER:  DATE  TIME  BTEX  | ## EHWN & ## DTGFE  ## EHWN & ## DATE  ## Company: 13T A  ## Company:  |  |
| Sample I.D.  Sample I.D.  G(G)RAB OR (C)OMP.  H CONTAINERS  GROUNDWATER  WASTEWATER  WASTEWATER  OIL  SLUDGE  OTHER:  ACID/BASE: ICE / COOL  OTHER:  DATE  TIME  BTEX  | BILL TO  STEHON & STATE  OA (b. McKay State: M) Zip: 88320  State: M) Zip: 88320  Attn: Ray Ramos  Address:  Hanny Han  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  O-6"  GRASTA  MATRIX  PRESERV.  SAMPLII  WASTEWASTEWATER  SOIL  SLUDGE  OTHER:  ACID/BASE:  ICE / COOL  OTHER:  ACID/BASE:  ICE / COOL  OTHER:  ACID/BASE:  ICE / COOL  DATE  O-6"  O-6"  O-6"  O-6"  O-15"  O-15 |  |
| Sample I.D.  Sample I.D.  (G)RAB OR (C)OMP.  # CONTAINERS  GROUNDWATER  WASTEWATER  WASTEWATER  OIL  OIL  SLUDGE  OTHER:  ACID/BASE: ICE / COOL  OTHER:  DATE  TIME  # P H   | BILL TO  STEPHON & SSUMS  FO. #: EPHON & SSUMS  OQ (b)   |  |
| Sample I.D.  Sample I.D.  Sample I.D.  (G)RAB OR (C)OMP.  # CONTAINERS  GROUNDWATER  WASTEWATER  SOIL  OIL  SLUDGE  OTHER:  ACID/BASE: ICE / COOL  OTHER:  DATE  TIME  | BILL TO  STEHON & SSUMS  F.O. #:  P.O. #:  Address:   | _  |
| Sample I.D.  Sample I.D.  (G)RAB OR (C)OMP.  # CONTAINERS  GROUNDWATER  WASTEWATER  SOIL  OIL  SLUDGE  OTHER:  ACID/BASE: ICE / COOL  OTHER:  DATE  TIME  ###################################  | BILL TO  STEPHON SESSIONS  P.O. #:  P.O. #:  P.O. #:  P.O. #:  Company: STA  Address:  Address:  Address:  Address:  Address:  City:  State: JJM  State: JJM  Project Owner: BTR  City:  State: Zip:  Fax #:  Phone #:  Fax #:  O-6"  GRAB OR (C)  WASTEWATER  WASTEWATER  WASTEWATER  WASTEWATER  ACID/BASE:  ICE / CODATE  DATE  DATE  | -  |
| Sample I.D.  (G)RAB OR (C)OMP.  # CONTAINERS  GROUNDWATER  WASTEWATER  VASTEWATER  OIL  SLUDGE  OTHER:  ACID/BASE: ICE / COOL  OTHER:  DATE  TIME  BTEX  | BILL TO  STEPHON SESUMS  State: UM Zip: 88220 Attn: Ray Rumos  132-701-2 59 Fax #:  N949316 Project Owner: BT R  Stor water 18  Stor water 18  Stor water 18  Stor water 18  State: UM Project Owner: BT R  Company: ISTA  Address:  Address:  Phone #:  Fax #:  Fax #:  Fax #:  GROUNDWATER  WASTEWATER  SOIL OTHER:  O-6"  G-1 G-1 G-1 G-1 DATE  123-  DATE  |  |
| Sample I.D.  Sample I.D.  (G)RAB OR (C)OMP.  # CONTAINERS  GROUNDWATER  WASTEWATER  SOIL  OIL  SLUDGE  OTHER:  ACID/BASE: ICE / COOL  OTHER:  DATE  TIME  # P H  | BILL TO  STEPHON SESSUMS  P.O. #:  PO. | -  |
| (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE  TIME  BTEX   | BILL TO  BY SHOW SESUMS  OR (B. McKay St  State: DIN Zip: 88320 Attn: Ray Ramos  Address:  Address:  Address:  Star custer 16  Stor custer 16  Stor custer 16  State: DIN  State: DIN  State: DIN  State: Zip:  BIR  City:  State: Zip:  Fax #:  Phone #:  Fax #:  Fax #:  GROUNDWATER  WASTEWATER  SOIL  OTHER:  ACID/BASE:  ICE / COOL  DATE   | -  |
|  | ### 1761=  ###################################   |  |
|  | ### Project Owner: 87 A State: 2   |  |
| Rus (a, UM) Phone #:   | Name:         App.         UTGTE         P.O. #:           anager:         Ethon         & Sesums         P.O. #:           AOQ (D. Mckoy St.         Company: II           Artn:         Ray           431-701-2 54 Fax #:         Address:           A49316         Project Owner:         BTA           City:         City:   |  |
| Star uster 16 State: Zip: .  Has lo, UM Phone #:   | Name: 1974   1767=   1874   1875      |  |
| Has lo, UM City:  Project Owner: BTA City:  State: Zip:  Phone #:  | Attn: Ray  Anager: Ethon & State: UM Zip: 88320  Attn: Ray   |  |
| Address:     | anager: Ethon Sessums  209 (u. Alckou St Company   |  |
| State:   | Ethon Sessions P.O.#:  |  |
| A (b) Alckay St Company: BTA  a) State: UM Zip: 88320 Attn: Ray Rumos  Address:  49316 Project Owner: BTA City:  State: Lip:  Phone #:   | WIGHT NIGHT  |  |
| Ethon Sessums  A (b. McKay St  State: WM Zip: 88220 Attn: Ray Rumos  A-701-2 59 Fax#:  19316 Project Owner: BTA  State: WM  Phone #:   |  |  |

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## 101 East Marland, Hobbs, NM 88240

| (575) 393-2326 FAX (575) 393-2476   | AX (575) 393-2476  |  |  |  |
|---|--|--|--|--|
| Company Name:   |  | BILL TO  | ANALYSIS   | SIS REQUEST  |
|   | Sessions   | P.O. #:  |  |  |
| Address: 209 (w. ALla   | Uclear St  | Company: STA   |  |  |
| urlsbail  | State: WM Zip: 88720   | Attn: Ray Ramas  |  |  |
| Phone #: 432 - 701 - 2154   | Fax #:   | Address:   |  |  |
|   | Project Owner: STA   | City:  |  |  |
| ame: Star custor  | 8  | State: Zip:  |  |  |
| on:   | MU   | Phone #:   |  |  |
| llenny  |  | 1  |  |  |
|   | P. MATRIX  | PRESERV. SAMPLING  |  |  |
| Lab I.D. Sample I.D.  | (G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE  | OTHER: ACID/BASE: ICE / COOL OTHER:  | BTEX<br>TPH<br>Chloric   |  |
| // V-3  | 0 GT ×   | دور  |  |  |
| /2  | -  |  |  |  |
| TO .  |  |  |  |  |
| 5   | <i>S</i> !! 2  |  |  |  |
| 1-H 3/  | 0-6"   |  |  |  |
| 17 H-2  |  |  |  |  |
|   |  | 4  |  | 4  |
| 20 H-5  | iont's exclusive remedy for any claim arising whether based in contrac   | t or tort, shall be limited to the amount paid   | by the client for the  |  |
| PLEASE NOTE: Liability and Damages. Cardinals liability and analyses. All claims including those for negligence and any other service. In no event shall Cardinal be liable for incidental or cons affiliates or successors arising out of or related to the performance. | PLEASE NOTE: Liability and Damages. Cardinat's lability and client's exclusive returney or any varial ensury with classes in control of the policiable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinat be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, services for event shall Cardinat be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinat, regardless of whether such claim is based upon any of the above stated reasons or otherwise. | nd received by Cardinal within 30 days after loss of use, or loss of profits incurred by consistency is based upon any of the above stated reconsists and the stated reconsists are stated reconsists and the stated reconsists an | pplicable  |  |
| Relinquished By:  | Date: 12/2/24 Received By:   | Maka   | Verbal Result:   | dress:   |
| Relinquished By:  | Date: Received By:   |  | REMARKS  |  |
|   | Time:  |  |  | Patricia (patri) Compile Condition                             |
| Delivered By: (Circle One)  | 8.9°   | tion CHECKED BY:<br>(Initials)   | Standard Name   Standard   Standa | Bacteria (only) Sample Condition Cool Intact Observed Temp. °C |
| Sampler - UPS - Bus - Other: C  | Corrected Temp. °C   |  | Thermometer ID #140 Correction Factor -0.6°C   | No No Corrected Temp. °C                                       |

Relinquished By:

Received By:

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Corrected Temp. °C Observed Temp. °C Time:

Cool Intact
A Yes
No No Sample Condition

> CHECKED BY: (Initials)

> > Turnaround Time:

Standard Rush

Bacteria (only) Sample Condition
Cool Intact Observed Temp. °C
| Yes | Yes
| No | No Corrected Temp. °C

REMARKS:

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## 101 East Marland, Hobbs, NM 88240

| (575) 393-2326 FAX (575) 393-2476   |  |                                       |
|---|--|---------------------------------------|
| Company Name: 以下子   | BILL TO  | ANALYSIS REQUEST                      |
| Project Manager: Ellmin Sessum>   | P.O. #:  |                                       |
| _   | Company: ISTA  |                                       |
| 0   | Attn: Pay Pamos  |                                       |
| Phone #: 432-701-2159 Fax #:  | Address:   |                                       |
|   | City:  |                                       |
| 3   | State: Zip:  |                                       |
| Project Location: Les (5, N/A   | Phone #:   |                                       |
| H   | Fax #:   |                                       |
|   | PRESERV. SAMPLING  |                                       |
| CG)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL  | SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE  | BTEX<br>TPH<br>Chloride               |
| H-6 0-6" G  | دادا   | * * * * * * * * * * * * * * * * * * * |
|   |  |                                       |
|   |  |                                       |
|   |  |                                       |
|   |  |                                       |
|   |  |                                       |
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| service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsolutions affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.  Verhal Result | ons, loss of use, or loss of profits incurred by client, its subsidianes, laim is based upon any of the above stated reasons or otherwise.  Vorhal Result: | Modaries,  Possili:                   |
| Relinquished By:  Date: Page: Received By:  | All Resu   | are emailed. Please provid            |

Thermometer ID #140 Correction Factor -0.6°C

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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

Action 422844

### **QUESTIONS**

| Operator:              | OGRID:   |
|------------------------|--|
| BTA OIL PRODUCERS, LLC | 260297   |
| 104 S Pecos            | Action Number:   |
| Midland, TX 79701      | 422844   |
|                        | Action Type:   |
|                        | [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |

### 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 Plan 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                     |

| Crudo Oil Pologgod (bblg) Dotails  | Not answered.  |
|--|--|
| 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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## State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 2

Action 422844

| QUESTIONS ( | continued) |
|-------------|------------|
|-------------|------------|

| QUESTI  | ions (continued)   |
|---|--|
| Operator:   | OGRID: 260297  |
| BTA OIL PRODUCERS, LLC 104 S Pecos  |  |
| Midland, TX 79701   | Action Number: 422844  |
| Wildiand, 1X 19101  | Action Type:   |
|   | [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)   |
| 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   | Unavailable.   |
| With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.  | e. gas only) are to be submitted on the C-129 form.  |
|   |  |
| Initial Response  |  |
| The responsible party must undertake the following actions immediately unless they could create a s   | afety 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  | Not answered.  |
|   | ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of<br>ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of<br>valuation in the follow-up C-141 submission.   |
| to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a | knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or |
| 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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## State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 3

Action 422844

QUESTIONS (continued)

| Operator:              | OGRID:   |
|------------------------|--|
| BTA OIL PRODUCERS, LLC | 260297   |
| 104 S Pecos            | Action Number:   |
| Midland, TX 79701      | 422844   |
|                        | Action Type:   |
|                        | [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |

### 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   | Greater than 5 (mi.)           |
| 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  |  |
| Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination   | n associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. |  |
| 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 CI 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 422844

QUESTIONS (continued)

| Operator:              | OGRID:   |
|------------------------|--|
| BTA OIL PRODUCERS, LLC | 260297   |
| 104 S Pecos            | Action Number:   |
| Midland, TX 79701      | 422844   |
|                        | Action Type:   |
|                        | [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |

### QUESTIONS

| Remediation Plan (continued)  |  |  |
|---|--|--|
| 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. |  |  |
| This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:   |  |  |
| (Select all answers below that apply.)  |  |  |
| (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)  |  |  |
| (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. |  |

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 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.

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

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 5

Action 422844

**QUESTIONS** (continued)

| Operator:              | OGRID:   |
|------------------------|--|
| BTA OIL PRODUCERS, LLC | 260297   |
| 104 S Pecos            | Action Number:   |
| Midland, TX 79701      | 422844   |
|                        | Action Type:   |
|                        | [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |

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

QUESTIONS, Page 6

Action 422844

QUESTIONS (continued)

| 40-2011011011011011011011011011011011011011  |  |  |  |  |  |
|--|--|--|--|--|--|
| Operator: BTA OIL PRODUCERS, LLC   | OGRID: 260297  |  |  |  |  |
| 104 S Pecos  | Action Number:   |  |  |  |  |
| Midland, TX 79701  | 422844   |  |  |  |  |
|  | Action Type:   |  |  |  |  |
|  | [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |  |  |  |  |
| QUESTIONS  |  |  |  |  |  |
| Sampling Event Information   |  |  |  |  |  |
| Last sampling notification (C-141N) recorded   | {Unavailable.}   |  |  |  |  |
|  |  |  |  |  |  |
| Remediation Closure Request  |  |  |  |  |  |
| Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed. |  |  |  |  |  |
| Requesting a remediation closure approval with this submission   | No   |  |  |  |  |
|  |  |  |  |  |  |

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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

CONDITIONS

Action 422844

### **CONDITIONS**

| Operator:              | OGRID:   |
|------------------------|--|
| BTA OIL PRODUCERS, LLC | 260297   |
| 104 S Pecos            | Action Number:   |
| Midland, TX 79701      | 422844   |
|                        | Action Type:   |
|                        | [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |

### CONDITIONS

| Created By | Condition  | Condition<br>Date |
|------------|--|-------------------|
| amaxwell   | Remediation work plan approved.  | 1/22/2025         |
| 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. | 1/22/2025         |
| amaxwell   | All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.   | 1/22/2025         |
| amaxwell   | If the intent of future reporting is to close out the release from remediation through revegetation, all information required can be combined into a single report. Likewise, each report, remediation, reclamation, and revegetation reports can be submitted separately.   | 1/22/2025         |
| amaxwell   | Submit a report via the OCD permitting portal by April 21, 2025.   | 1/22/2025         |