



January 29, 2025

**New Mexico Oil Conservation Division**

1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

**Re: Closure Request  
Nash 42 Battery  
Facility ID fAPP2126047300  
Incident Numbers nAPP2302545515 & nAPP2303348121  
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared this *Closure Request* to document delineation, excavation and soil sampling activities performed at the Nash 42 Battery (Site). The purpose of delineation, excavation and soil sampling activities was to address impacted soil from two releases of produced water at the Site. XTO is submitting this *Closure Request*, describing delineation and excavation activities that have occurred and requesting no further remediation for Incident Numbers nAPP2302545515 & nAPP2303348121.

**SITE DESCRIPTION AND RELEASE BACKGROUND**

The Site is located in Unit E, Section 18, Township 23 South, Range 30 East, in Eddy County, New Mexico (32.30648°, -103.92818°) and is associated with oil and gas exploration and production operations on state land managed by the New Mexico State Land Office (SLO) under lease number L0-3358-0003.

On January 14, 2023, a pump seal failure resulted in the release of 8 barrels (bbls) of produced water onto the surface of the pad. A vacuum truck was dispatched to the Site to recover free standing fluids; approximately 5 bbls of fluids were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) and Initial C-141 Application (C-141) on January 25, 2023. The release was assigned Incident Number nAPP2302545515.

On January 27, 2023, a pump seal failure resulted in the release of 10 bbls of produced water onto the surface of the pad. A vacuum truck was dispatched to the Site to recover free standing fluids; approximately 3 bbls of fluids were recovered. XTO reported the release to the NMOCD via C-141 on February 3, 2023. The release was assigned Incident Number nAPP2303348121.

Between March 2023 and August 2024, New Tech Global Environmental LLC (NTG) was contracted by XTO to conduct site assessment and delineation activities to assess the presence or absence of impacts resulting from the two produced water releases. An estimated 1,993 cubic yards of TPH- and/or chloride-impacted soil were identified. Based on laboratory analytical results from the site assessment and

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delineation activities, XTO submitted a *Remediation Work Plan (Work Plan)* on July 13, 2023, proposing the following remediation activities:

- Excavate the top 4 feet of the release extent.
- Install a 20-mil polyethylene liner

On January 2, 2024, NMOCD approved the *Work Plan* with the following conditions:

- *Due to the sensitive nature of the release location and the site being located within high karst, the site will need to be remediated to the strictest closure criteria from Table 1 of the OCD Spill Rule.*
- *The variance to install a 20-mil polyethylene liner is denied.*
- *All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Sidewall/edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. All sidewall samples should be taken from the sidewall of the excavation. Please make sure that the edge of the release extent is accurately defined. Please collect confirmation samples, representing no more than 200 ft<sup>2</sup>.*

In September 2024, XTO contracted Ensolum to review the conditionally approved *Work Plan* and complete remediation of impacted soil identified at the Site.

## SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented below.

Depth to groundwater at the Site is estimated to be less than 50 feet below ground surface (bgs) based on data from a monitoring well, permitted by the New Mexico Office of the State Engineer (C-04594 POD 4) drilled on February 21, 2022. The monitoring well was drilled 0.23 miles northwest of the Site to a depth of 36 feet bgs and depth to groundwater was reported as 31 feet bgs. All wells used to determine depth to groundwater are depicted on Figure 1. The Well Record and Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a dry wash, located approximately 360 feet southwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is underlain by unstable geology (high potential karst designation area). Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH) 100 mg/kg
- Chloride: 600 mg/kg

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## NMSLO CULTURAL RESOURCES AND BIOLOGICAL REVIEW

### Cultural Properties Protection

Since the release occurred on the well pad, the site is exempt from the Cultural Properties Protection Rule (CPP). As such, no additional cultural resource surveys were completed in connection with this release.

### Biological Review

Ensolum personnel conducted a desktop review to establish if the Site is within an area of possible threatened, endangered, and sensitive wildlife and plant species, environmentally sensitive areas, surface waters, and sensitive soils.

- A review of the United States Fish and Wildlife Services Information for Planning and Consultation (IPaC) resources indicated there are no critical wildlife habitats at the Site. A review of the Bureau of Land Management (BLM) New Mexico Plant Wildlife Habitat maps indicated potential habitats for Wright's waterwillow, Scheer's beehive cactus, and Tharp's blue-star near the Site. Threatened and endangered plant species are potentially present in the area surrounding the Site; however, no native vegetation outside of the well pad extent was disturbed during remediation activities.
- The Site is located within an area of possible range of the Lesser Prairie Chicken habitat based on a review of SLO Candidate Conservation Agreement with Assurances (CCAA) map.
  - From March 1<sup>st</sup> through June 15<sup>th</sup>, no remediation activities will occur between the hours of 3:00 am to 9:00 am to protect any Lesser Prairie Chickens within the area.
- The Site is underlain by unstable geology (high potential karst designation area) and depth to groundwater is estimated to be less than 50 feet bgs, as determined by the Site Characterization.
- The Natural Resources Conservation Service (NRCS) Web Soil Survey classifies the soil type at the Site as Reeves-Gypsum land complex. The Reeves-Gypsum land complex is considered a sensitive soil per the SLO guidelines. The release occurred on the caliche surface of the well pad limiting contact with potentially sensitive native soil.

## ADDITIONAL DELINEATION ACTIVITIES

On December 2, 2024, Ensolum personnel were at the Site to oversee delineation activities to confirm the presence of impacted soil identified in the *Work Plan*. Three potholes, PH01 through PH03, were advanced via trackhoe to a maximum depth of 11 feet below ground surface (bgs). Discrete soil samples were collected from each delineation pothole at depths ranging from 0.5 feet to 11 feet bgs. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. The delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation is included in Appendix B. Field screening results and observations were logged on lithologic/soil sampling logs, which are included in Appendix C.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range

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organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500.

Laboratory analytical results for delineation pothole PH01 indicated chloride and/or TPH concentrations exceeded Site Closure Criteria at depths ranging from 1-foot bgs to 10 feet bgs; however, the terminal sample, collected at 11 feet bgs, indicated all COCs were in compliance with the Closure Criteria. Laboratory analytical results for pothole PH02 indicated chloride concentrations exceeded the Closure Criteria at 0.5 feet bgs and 1-foot bgs. Laboratory analytical results for pothole PH03 indicated chloride concentrations exceeded the Closure Criteria at depths ranging from 2 feet bgs to 5 feet bgs. Delineation soil samples collected between 5 feet bgs and 11 feet bgs in delineation potholes PH02, and PH03 indicated all COCs were compliant with the Closure Criteria. Based on visible staining in the release areas and laboratory analytical results for delineation soil samples, chloride impacted soil was confirmed as a result of the two produced water releases. As such, additional remediation activities were warranted.

## EXCAVATION AND SOIL SAMPLING ACTIVITIES

Between December 6, 2024 and December 13, 2024, Ensolum personnel were onsite to oversee excavation of impacted soil. Excavation activities were performed by the use of heavy equipment. To direct excavation activities, soil was field screened for VOCs and chloride. Once field screening indicated impacted soil was adequately removed, confirmation soil samples were collected every 200 square feet from the floor and sidewalls of the excavation extent. The confirmation soil samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the soil by thoroughly mixing. Confirmation soil samples FS01 through FS25 were collected from the floor of the excavation at depths ranging from 3 feet bgs to 11 feet bgs. Confirmation soil samples SW01 through SW13 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 11 feet bgs. On the western portion of the excavation, steep sloping in the excavation limited the ability to distinguish the excavation floor from sidewalls. The top 6 feet of the sloping was treated as sidewall and remainder as the floor of the excavation, with the exception of SW01 and SW02 which were collected from ground surface to 10 feet bgs. The confirmation soil sample locations are depicted on Figure 3. Photographic documentation of the excavation activities and final excavation extent is provided in Appendix B.

Laboratory analytical results for excavation floor samples FS03, FS05, FS06, FS07, FS10, FS11, FS12, FS13 indicated chloride concentrations exceeded the Closure Criteria. Additional soil was removed in these areas and soil samples FS03A, FS05A, FS06A, FS07A, FS10B, FS11A, FS12A, FS13A were collected.

The final excavation extent measured approximately 4,932 square feet. The eastern portion of the excavation extent measured approximately 2,719 square feet from the top of the sloping sidewalls with an average depth of 4 feet bgs. Approximately 403 cubic yards of impacted soil were removed from the eastern portion of the excavation. The western portion of the excavation extent measured approximately 2,129 square feet with a steep slope to a depth of 11 feet bgs. Approximately 397 cubic yards of impacted soil were removed from the western portion of the excavation. A total of approximately 800 cubic yards of impacted soil were removed during the excavation activities. The impacted soil was transported and disposed of at the R360 Landfill Disposal Facility in Hobbs, New Mexico. The final excavation was backfilled with material purchased locally and recontoured to match pre-existing site conditions. Disposal manifests are included in Appendix D.



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## LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all final confirmation soil samples indicated all COC concentrations were compliant with the Closure Criteria. The laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix E.

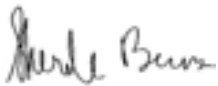
## CLOSURE REQUEST

Excavation activities were conducted at the Site in response to the conditionally approved *Work Plan* to address the January 2023 releases of produced water. The July 13, 2024, *Work Plan* is included in Appendix F. Laboratory analytical results for all final confirmation soil samples indicated all COC concentrations were compliant with the Site Closure Criteria. Based on the soil sample laboratory analytical results, no further remediation is required. XTO has backfilled the excavation with material purchased locally and recontoured the Site to match pre-existing site conditions.

XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Numbers nAPP2302545515 & nAPP2303348121.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or [tmorrissey@ensolum.com](mailto:tmorrissey@ensolum.com).

Sincerely,  
**Ensolum, LLC**



Sherele Brooks  
Staff Scientist



Daniel R. Moir, PG (licensed in WY & TX)  
Senior Managing Geologist

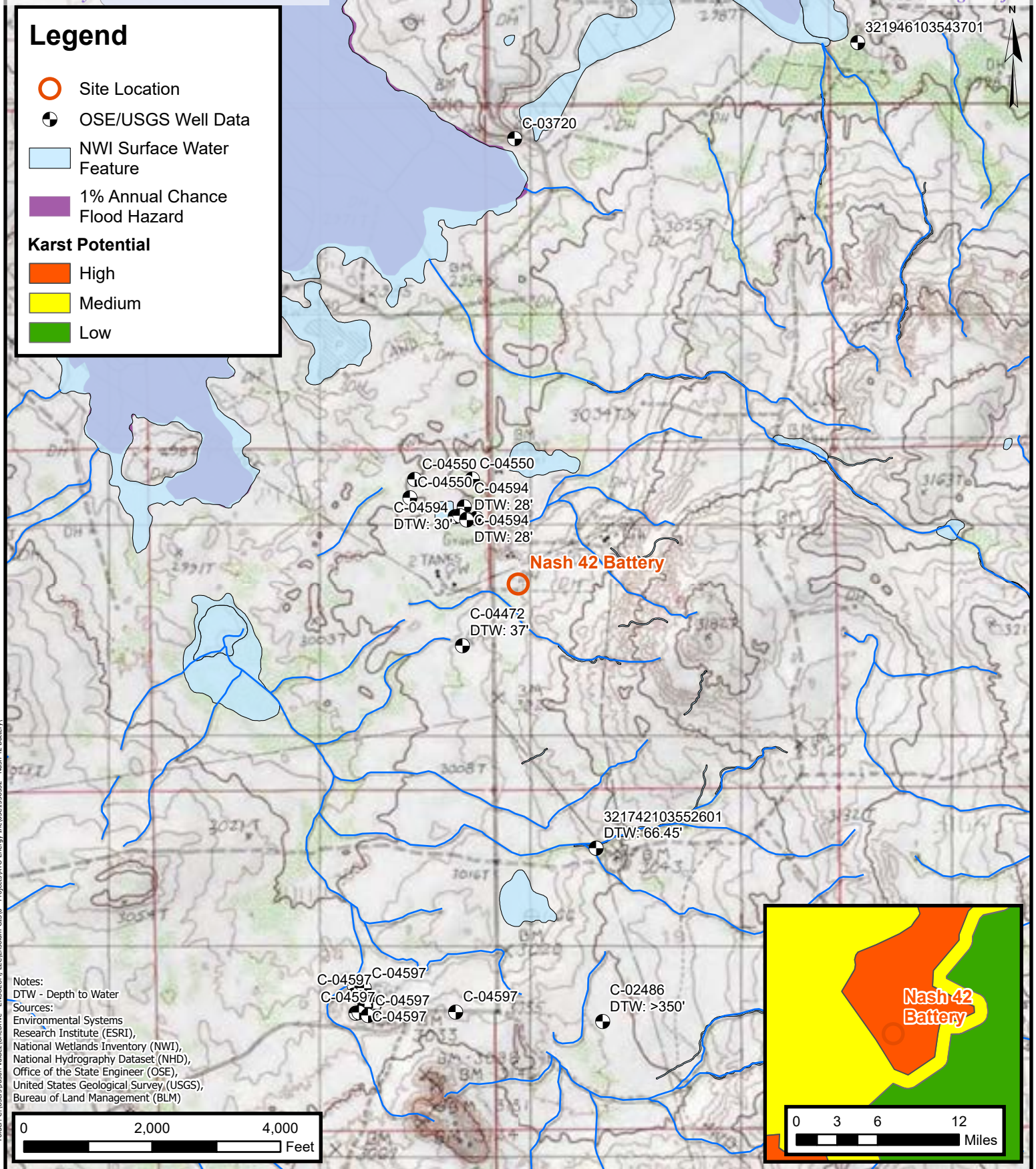
cc: Colton Brown, XTO  
Kaylan Dirkx, XTO  
SLO

### Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Map
Figure 3	Excavation Soil Sample Map
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Photographic Log
Appendix C	Lithologic Soil Sampling Logs
Appendix D	Disposal Manifests
Appendix E	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix F	July 13, 2023 - <i>Remediation Work Plan</i>



FIGURES









**ENSOLUM**  
Environmental, Engineering and  
Hydrogeologic Consultants

**Site Receptor Map**  
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Incident Numbers: nAPP2302545515 & nAPP2303348121  
Unit E, Sec 18, T23S, R30E  
Eddy County, New Mexico

**FIGURE**  
**1**



**Legend**

-  Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
-  Electric Utility Line
-  Oil and Gas Utility Line
-  Liner Containment Area
-  Production Equipment
-  Release Extent

PH01@0.5'  
 PH01A@1'  
 PH01B@2'  
 PH01C@3'  
 PH01D@4'  
 PH01E@5'  
 PH01F@6'  
 PH01G@7'  
 PH01H@8'  
 PH01I@9'  
 PH01J@10'  
 PH01K@11'  
 PH02@0.5'  
 PH02A@1'  
 PH02B@2'  
 PH02C@3'  
 PH02D@4'  
 PH02E@5'  
 PH02F@6'  
 PH02G@7'  
 PH02H@8'  
 PH02I@9'  
 PH02J@10'  
 PH02K@11'  
 PH03@0.5'  
 PH03A@1'  
 PH03B@2'  
 PH03C@3'  
 PH03D@4'  
 PH03E@5'  
 PH03F@6'  
 PH03G@7'  
 PH03H@8'  
 PH03I@9'  
 PH03J@10'

Notes:  
 Sample ID @ Depth Below Ground Surface.  
 Samples in bold indicate sample exceeded applicable closure criteria.  
 Grey text indicate soil sample was removed during excavation activities.

0 12.5 25 50 75 100 Feet

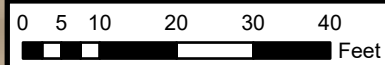
Sources: Environmental Systems Research Institute (ESRI)



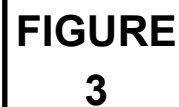
## Delineation Soil Sample Locations

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 Unit E, Sec 18, T23S, R30E  
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**FIGURE**  
**2**



Sources: Environmental Systems Research Institute (ESRI)







TABLES



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Delineation Soil Samples										
PH01	12/02/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
PH01A	12/02/2024	1	<0.050	<0.300	<10.0	201	93.9	201	295	240
PH01B	12/02/2024	2	<0.050	<0.300	<10.0	209	103	209	312	288
PH01C	12/02/2024	3	<0.050	<0.300	<10.0	574	179	574	753	544
PH01D	12/02/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
PH01E	12/02/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
PH01F	12/02/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
PH01G	12/02/2024	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
PH01H	12/02/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	816
PH01I	12/02/2024	9	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	784
PH01J	12/02/2024	10	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	688
PH01K	12/02/2024	11	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544
PH02	12/03/2024	0.5	<0.050	<0.300	<10.0	37.7	<10.0	37.7	37.7	2,280
PH02A	12/03/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	608
PH02B	12/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
PH02C	12/03/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
PH02D	12/03/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
PH02E	12/03/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
PH02F	12/03/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
PH02G	12/03/2024	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
PH02H	12/03/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
PH02I	12/03/2024	9	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
PH02J	12/03/2024	10	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
PH02K	12/03/2024	11	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
PH03	12/02/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
PH03A	12/02/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
PH03B	12/02/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	768
PH03C	12/02/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
PH03D	12/02/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
PH03E	12/02/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	720
PH03F	12/02/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
PH03G	12/02/2024	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
PH03H	12/02/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
PH03I	12/02/2024	9	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
PH03J	12/02/2024	10	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
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 XTO Energy, Inc  
 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCB Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Excavation Soil Samples										
FS01	12/09/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS02	12/09/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS03	12/06/2024	10	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	960
FS03A	12/11/2024	11	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544
FS04	12/11/2024	10	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
FS05	12/11/2024	10	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	656
FS05A	12/13/2024	11	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS06	12/11/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	656
FS06A	12/13/2024	9	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
FS07	12/11/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	672
FS07A	12/13/2024	9	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS08	12/11/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
FS09	12/11/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544
FS10	12/11/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	704
FS10A	12/13/2024	7.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,090
FS10B	12/17/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
FS11	12/11/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640
FS11A	12/13/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
FS12	12/11/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	624
FS12A	12/13/2024	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS13	12/11/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640
FS13A	12/13/2024	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
FS14	12/12/2024	11	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS15	12/13/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS16	12/13/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
FS17	12/13/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS18	12/13/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS19	12/13/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
FS20	12/13/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS21	12/13/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS22	12/13/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS23	12/13/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
FS24	12/13/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
FS25	12/17/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
SW01	12/06/2024	0-10	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Nash 42 Battery  
 XTO Energy, Inc  
 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
SW02	12/06/2024	0-10	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	592
SW03	12/12/2024	0-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
SW04	12/12/2024	0-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
SW05	12/09/2024	0-6	<0.050	<0.300	<10.0	11.7	<10.0	11.7	11.7	208
SW06	12/12/2024	0-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SW07	12/12/2024	0-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
SW08	12/12/2024	0-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
SW09	12/12/2024	0-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
SW10	12/13/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
SW11	12/13/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SW12	12/13/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SW13	12/13/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272

## Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation requirement where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities



## APPENDIX A

### Referenced Well Records

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# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

USE DIT MAR 30 2022 10:56

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD4 (BH-8)		WELL TAG ID NO. n/a		OSE FILE NO(S). C-4594			
	WELL OWNER NAME(S) XTO Energy, Inc. attn: Adrian Baker				PHONE (OPTIONAL) (432)-236-3808			
	WELL OWNER MAILING ADDRESS 6401 Holiday Hill Dr.				CITY Midland	STATE Texas	ZIP 79707	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 18	SECONDS 33.55 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE NE Sec. 13 T23S R29E, NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 2/22/2022	DRILLING ENDED 2/22/2022	DEPTH OF COMPLETED WELL (FT) 45	BORE HOLE DEPTH (FT) ±45	DEPTH WATER FIRST ENCOUNTERED (FT) 28			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 28	DATE STATIC MEASURED 2/22/22		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF FITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	35	±6.5	2" SCH 40 PVC Riser	Flush Thread 2 TPI	2.067	0.154	--
	35	45	±6.5	2" SCH 40 PVC Screen	Flush Thread 2 TPI	2.067	0.154	0.010
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	C-4594	POD NO.	POD4	TRN NO.	719122
LOCATION	23S 29E 13		4-2-2	WELL TAG ID NO.	NA

PAGE 1 OF 2





## APPENDIX B

### Photographic Log

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**Photographic Log**

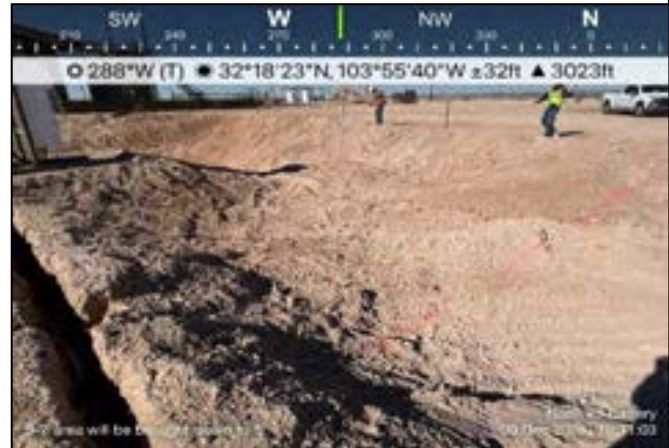
XTO Energy, Inc.

Nash 42 Battery

nAPP2303348121 &amp; nAPP2302545515



Photograph: 1                      Date: 12/3/2024  
 Description: Delineation activities  
 View: Northeast



Photograph: 2                      Date: 12/9/2024  
 Description: Final excavation extent  
 View: West



Photograph: 3                      Date: 12/9/2024  
 Description: Final excavation extent  
 View: South



Photograph: 4                      Date: 1/13/2025  
 Description: Backfilled excavation  
 View: Northeast





## APPENDIX C


### Lithologic Soil Sampling Logs

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								Sample Name: PH01		Date: 12/2/24	
								Site Name: Nash 42 Battery			
								Incident Number: nAPP2302545515 & nAPP2303348121			
								Job Number: 03C1558552			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Connor Whitman		Method: Trackhoe	
Coordinates: 32.306521, -103.928129								Hole Diameter: 3'		Total Depth: 11'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
						0	SP	SAND, light brown, very fine sand with CCHE No stain or odor.			
D	<168	0.7	N	PH01	0.5						
D	<168	0.1	N	PH01A	1	1	ML	SILT, brown clay, with very fine brown sand No stain or odor.			
D	274	0.0	N	PH01B	2	2	SP	SAND, very fine brown sand, with brown clay. No stain or odor.			
D	509	0.0	N	PH01C	3	3	SP	SAND, very fine brown sand with some silt. No stain or odor.			
D	403	0.0	N	PH01D	4	4					
D	274	0.0	N	PH01E	5	5	SP	SAND, very fine brown sand with silt, with some CCHE pebbles. No stain or odor.			
D	235	0.0	N	PH01F	6	6					
D	453	0.0	N	PH01G	7	7					
D	694	0.0	N	PH01H	8	8					
D	840	0.0	N	PH01I	9	9		At 9' some CCHE sand.			
D	918	0.0	N	PH01J	10	10					
D	414	0.0	N	PH01K	11	11					
						Total depth @ 11' bgs.					

 <b>ENSOLUM</b>		Sample Name: PH02		Date: 12/3/24				
		Site Name: Nash 42 Battery						
		Incident Number: nAPP2302545515 & nAPP2303348121						
		Job Number: 03C1558552						
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								
Coordinates: 32.306563, -103.928000				Hole Diameter: 3'				
				Method: Trackhoe				
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
D	2,654	0.0	N	PH02	0.5		SP	SAND, light brown sand, very little CCHE. No stain or odor.
D	918	0.0	N	PH02A	1	1		
D	464	0.0	N	PH02B	2	2		
D	235	0.0	N	PH02C	3	3		
D	<168	0.0	N	PH02D	4	4		
D	235	0.0	N	PH02E	5	5		
D	<168	0.0	N	PH02F	6	6	SP	SAND, very fine red sand, with large red/white gypsum. No stain or odor.
D	<168	0.0	N	PH02G	7	7		
D	235	0.0	N	PH02H	8	8		
D	274	0.0	N	PH02I	9	9		
D	414	0.0	N	PH02J	10	10	SP	SAND, very fine red sand, with gypsum, and some dark gray, low porosity clay. No stain or odor.
D	319	0.0	N	PH02K	11	11		
						Total depth @ 11' bgs.		

 <b>ENSOLUM</b>		Sample Name: PH03		Date: 12/2/24				
		Site Name: Nash 42 Battery						
		Incident Number: nAPP2302545515 & nAPP2303348121						
		Job Number: 03C1558552						
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								
Coordinates: 32.306598, -103.927902				Hole Diameter: 3'				
				Total Depth: 11'				
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
D	<168	0.0	N	PH03	0.5		SP	SAND, light brown, very fine sand, with CCHE. No stain or odor.
D	274	0.0	N	PH03A	1	1		
D	1,181	0.0	N	PH03B	2	2		
D	694	0.0	N	PH03C	3	3		
D	274	0.0	N	PH03D	4	4		
D	700	0.0	N	PH03E	5	5	SP	SAND, very fine brown sand with little CCHE. No stain or odor.
D	235.2	0.0	N	PH03F	6	6	SP	SAND, very fine red/brown sand, with small gypsum crystals. No stain or odor.  At 8' large 2-3 cm gypsum crystal and CCHE layers.
D	<168	0.0	N	PH03G	7	7		
D	<168	0.0	N	PH03H	8	8		
D	<168	0.0	N	PH03I	9	9		
D	<168	0.0	N	PH03J	10	10	GYP	
					Total depth @ 10' bgs.			



Appendix D

Disposal Manifests

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## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Name Kurt Rabe

Phone No. \_\_\_\_\_

## GENERATOR

NO. **HW-724105**

Generator Manifest # \_\_\_\_\_

Location of Origin

4454 42 BldgGenerator Name KTD

Lease/Well

Prod #031958552

Address \_\_\_\_\_

Name &amp; No.

4454 42 Bldg

County

4454 42 Bldg

API No.

4454 42 Bldg

City, State, Zip \_\_\_\_\_

Rig Name &amp; No.

4454 42 Bldg

Phone No. \_\_\_\_\_

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____
Tank Bottoms	_____	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES NO QUANTITY TOP SOIL CALICHE
Gas Plant Waste	_____		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCDF), ignitability, corrosivity and reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged; and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Sentinel Max

Driver's Name

Cornelio

Address \_\_\_\_\_

Print Name

Phone No. \_\_\_\_\_

Phone No.

Transporter Ticket # \_\_\_\_\_

Truck No.

03

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. \_\_\_\_\_

Site Name/ Permit No. Halfway Facility / NM1-006 Phone No. 575-392-6368

Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

## TANK BOTTOMS

Feet	Inches	BS&W/BBLS Received	BS&W (%)
1st Gauge	_____	Free Water	_____
2nd Gauge	_____	Total Received	_____
Received	_____		

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





# NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Kent Ratz

Phone No. \_\_\_\_\_

## GENERATOR

NO. **HW- 722330**

Generator Manifest # \_\_\_\_\_  
 Generator Name XTD  
 Address \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Location of Origin 4434 42 Battery  
 Lease/Well \_\_\_\_\_  
 Name & No. Prod. 140X158850  
 County WAB 230348121 WAB 2302545515  
 API No. 21055871001  
 Rig Name & No. FAW 2126417302  
 AFE/PO No. \_\_\_\_\_

### EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms		
E&P Contaminated Soil	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
Gas Plant Waste	Truck Washout (exempt waste) YES NO	QUANTITY TOP SOIL CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

### NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCPLI), ignitability, Corrosivity and Reactivity

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Santander  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_  
 Transporter Ticket # \_\_\_\_\_

Driver's Name Cornelio  
 Print Name \_\_\_\_\_  
 Phone No. \_\_\_\_\_  
 Truck No. 03

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

### TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

### DISPOSAL FACILITY

### RECEIVING AREA

Name/No. 28

Name/Unit No. Halfway Facility / NM1-006  
 Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES NO  
 PASS THE PAINT FILTER TEST? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (Circle One) YES NO

## TANK BOTTOMS

	Feet	Inches
Guage		
Guage		
Received		

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





# NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Kent Ratz

Phone No. \_\_\_\_\_

## GENERATOR

NO. **HW-724110**

Generator Manifest # \_\_\_\_\_  
 Generator Name XTO  
 Address \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Location of Origin 143442 Batten  
 Lease/Well Name & No. Ref: H084558950  
 County Lea  
 API No. 448230749121  
 Rig Name & No. 448230749121  
 AFE/PO No. 448230749121

### EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms		
E&P Contaminated Soil	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
Gas Plant Waste	Truck Washout (exempt waste)	

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount  
 All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.  
 Non-Exempt Other \_\_\_\_\_  
 \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY: B - BARRELS L - LIQUID 20 (Y - YARDS) E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSOS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name SanTex Mex  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_  
 Transporter Ticket # \_\_\_\_\_

Driver's Name Carroll  
 Print Name \_\_\_\_\_  
 Phone No. \_\_\_\_\_  
 Truck No. 07

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

### TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

### DISPOSAL FACILITY

### RECEIVING AREA

Name/No. 28

Name/Permit No. Halfway Facility / NM1-006  
 Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES ☐ NO ☐  
 PASS THE PAINT FILTER TEST? (Circle One) YES ☐ NO ☐

If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☐

## TANK BOTTOMS

Gauge	Feet	Inches
Gauge		
Received		

BS&W/UBLS Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load/material has been (circle one):

ACCEPTED ☒

DENIED ☐

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - R360 ORIGINAL

Yellow - TRANSPORTER COPY

Pink - GENERATOR SITE COPY

Gold - RETURN TO GENERATOR





NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Company Man Contact Information  
Name Kent Retz  
Phone No. \_\_\_\_\_

Generator Manifest # <u>X70</u>		<b>GENERATOR</b>		NO. <u>HW- 719284</u>	
Generator Name _____		Location of Origin _____		Lease/Well _____	
Address _____		Name & No. <u>NASH 42 Battery</u>		County _____	
City, State, Zip _____		API No. <u>Project: 03C1555521</u>		API: <u>EAPP2126097300</u>	
Phone No. _____		Rig Name & No. <u>CC105531006, NAPP330384545</u>		AFE/PO No. <u>Incident: NAPP330384545</u>	

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)							
Oil Based Muds _____		NON-INJECTABLE WATERS			OTHER EXEMPT E&P WASTE STREAMS		
Oil Based Cuttings _____		Washout Water (Non-Injectable) _____			<u>Belly Dump</u>		
Water Based Muds _____		Completion Fluid/Flow Back (Non-Injectable) _____					
Water Based Cuttings _____		Produced Water (Non-Injectable) _____					
Produced Formation Solids _____		Gathering Line Water/Waste (Non-Injectable) _____					
Tank Bottoms _____		INTERNAL USE ONLY			TOP SOIL & CALICHE SALES		
E&P Contaminated Soil <u>✓</u>		Truck Washout (exempt waste) YES _____ NO _____			QUANTITY _____		TOP SOIL _____ CALICHE _____
Gas Plant Waste _____							
WASTE GENERATION PROCESS: <input type="checkbox"/> DRILLING <input type="checkbox"/> COMPLETION <input type="checkbox"/> PRODUCTION <input type="checkbox"/> GATHERING LINES							

NON-EXEMPT E&P Waste/Service Identification and Amount			
All non-exempt E&P waste must be analyzed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.			
Non-Exempt Other _____ *please select from Non-Exempt Waste List on back			
DISPOSAL QUANTITY B - BARRELS L - LIQUID CY - YARDS <u>20</u> E - EACH			

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

\_\_\_\_\_  
(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

<b>TRANSPORTER</b>	
Transporter's Name <u>SchiteX Alex</u>	Driver's Name <u>Corny Reiner</u>
Address _____	Print Name _____
Phone No. _____	Phone No. _____
Transporter Ticket # _____	Truck No. <u>39</u>

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_ DRIVER'S SIGNATURE 12-10-24 DELIVERY DATE \_\_\_\_\_ DRIVER'S SIGNATURE Garb Shuer

TRUCK TIME STAMP		DISPOSAL FACILITY		RECEIVING AREA	
IN: _____	OUT: _____	Name/No. _____		_____	

Site Name/Permit No. <u>Halfway Facility / NM1-006</u>		Phone No. <u>675-392-6368</u>	
Address <u>6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220</u>			
NORM READINGS TAKEN? (Circle One) YES _____ NO _____		If YES, was reading > 50 micro roentgens? (Circle One) YES _____ NO _____	
PASS THE PAINT FILTER TEST? (Circle One) YES _____ NO _____			

TANK BOTTOMS			
Feet _____		Inches _____	
Gauge _____		BS&W/BBLs Received _____	
Gauge _____		Free Water _____	
Received _____		Total Received _____	
		BS&W (%) _____	

I hereby certify that the above load material has been (circle one): ACCEPTED 12-10-24 12-10-24 Garb Shuer

NAME (PRINT) DATE TITLE SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kent Rdg

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Generator Manifest # <u>X70</u>	<b>GENERATOR</b>	NO. <u>HW- 719283</u>
Generator Name _____	Location of Origin _____	
Address _____	Lease/Well Name & No. <u>NASH 42 Battery</u>	
City, State, Zip _____	County <u>El Paso</u>	
Phone No. _____	API No. <u>API# APP 1176047300</u>	
	Rig Name & No. <u>CC-7055931001, NAPP 1303555515</u>	
	AFE/PO No. <u>Incident- NAPP 1303555511</u>	

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)			
Oil Based Muds _____	<b>NON-INJECTABLE WATERS</b>	<b>OTHER EXEMPT E&amp;P WASTE STREAMS</b>	
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____	<u>Belly Dump</u>	
Water Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____		
Water Based Cuttings _____	Produced Water (Non-Injectable) _____		
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____		
Tank Bottoms _____	<b>INTERNAL USE ONLY</b>	<b>TOP SOIL &amp; CALICHE SALTS</b>	
E&P Contaminated Soil <u>✓</u>	Truck Washout (exempt waste) YES _____ NO <u>✓</u>	QUANTITY _____	TOP SOIL _____ CALICHE _____
Gas Plant Waste _____			
WASTE GENERATION PROCESS: <input type="checkbox"/> DRILLING <input type="checkbox"/> COMPLETION <input type="checkbox"/> PRODUCTION <input type="checkbox"/> GATHERING LINES			

NON-EXEMPT E&P Waste/Service Identification and Amount	
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCDF), ignitability, Corrosivity and Reactivity.	
Non-Exempt Other _____	*please select from <b>Non-Exempt Waste List</b> on back

DISPOSAL QUANTITY	B - BARRELS	L - LIQUID	Y - YARDS <u>20</u>	E - EACH
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I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ **RCRA EXEMPT:** Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ **RCRA NON-EXEMPT:** Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ **MSOS Information** ☐ **RCRA Hazardous Waste Analysis** ☐ **Other (Provide Description Below)**
- ☐ **EMERGENCY NON-OILFIELD** Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENT'S SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

<b>TRANSPORTER</b>	
Transporter's Name <u>Sentex Mex</u>	Driver's Name <u>Corny Reimer</u>
Address _____	Print Name _____
Phone No. _____	Phone No. _____
Transporter Ticket # _____	Truck No. <u>39</u>

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_ DRIVER'S SIGNATURE \_\_\_\_\_ DELIVERY DATE 12-10-24 DRIVER'S SIGNATURE Corny Reimer

<b>TRUCK TIME STAMP</b>	<b>DISPOSAL FACILITY</b>	<b>RECEIVING AREA</b>
IN: _____ OUT: _____	Name/No. <u>28</u>	

Site Name/ Permit No. <u>Halfway Facility / NM1-006</u>	Phone No. <u>575-392-6368</u>
Address <u>6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220</u>	
NORM READINGS TAKEN? (Circle One) YES _____ NO <u>✓</u>	If YES, was reading > 50 micro roentgens? (Circle One) YES _____ NO _____
PASS THE PAINT FILTER TEST? (Circle One) YES _____ NO <u>✓</u>	

TANK BOTTOMS			
Foot	Inches	BS&W/BBLs Received	BS&W (%)
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED 12/10 NO NO If denied, why? \_\_\_\_\_

NAME (PRINT) \_\_\_\_\_ DATE \_\_\_\_\_ TITLE \_\_\_\_\_ SIGNATURE \_\_\_\_\_









## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Main Contact Information

Name Kent Retz

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Generator Manifest # <u>X70</u>		<b>GENERATOR</b>		NO. <u>HW- 719285</u>	
Generator Name _____		Location of Origin _____		Lease/Well _____	
Address _____		Name & No. <u>NASH 42 Battery</u>		County <u>Project - 08C155555</u>	
City, State, Zip _____		API No. <u>API EAPP 126047301</u>		Rig Name & No. <u>CF-105681006 NAPP 2309245515</u>	
Phone No. _____		AFE/PO No. <u>Incident - NAPP 2303248191</u>			

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)					
Oil Based Muds	_____	<b>NON-INJECTABLE WATERS</b>		<b>OTHER EXEMPT E&amp;P WASTE STREAMS</b>	
Oil Based Cuttings	_____	Washout Water (Non-Injectable) _____		<u>Belly Dump</u>	
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable) _____			
Water Based Cuttings	_____	Produced Water (Non-Injectable) _____			
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable) _____			
Tank Bottoms	_____	<b>INTERNAL USE ONLY</b>		<b>TOP SOIL &amp; CALICHE SALES</b>	
E&P Contaminated Soil	<u>✓</u>	Truck Washout (exempt waste) YES _____ NO <u>✓</u>		QUANTITY	TOP SOIL CALICHE
Gas Plant Waste	_____				
WASTE GENERATION PROCESS: <input type="checkbox"/> DRILLING <input type="checkbox"/> COMPLETION <input type="checkbox"/> PRODUCTION <input type="checkbox"/> GATHERING LINES					

NON-EXEMPT E&P Waste/Service Identification and Amount			
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.			
Non-Exempt Other _____		*please select from <b>Non-Exempt Waste List</b> on back	
DISPOSAL QUANTITY	B - BARRELS	L - LIQUID	Y - YARDS <u>220</u>
			E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ **RCRA EXEMPT:** Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ **RCRA NON-EXEMPT:** Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

☐ **EMERGENCY NON-OILFIELD** Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

<b>TRANSPORTER</b>	
Transporter's Name <u>Sen. Tex Mex</u>	Driver's Name <u>Carly Reimer</u>
Address _____	Print Name _____
Phone No. _____	Phone No. _____
Transporter Ticket # _____	Truck No. <u>39</u>

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE _____	DRIVER'S SIGNATURE _____	DELIVERY DATE <u>12-11-24</u>	DRIVER'S SIGNATURE <u>Back Over</u>
<b>TRUCK TIME STAMP</b>		<b>DISPOSAL FACILITY</b>	
IN: _____	OUT: _____	RECEIVING AREA	
		Name/No. <u>28</u>	

Site Name/ Permit No. <u>Halfway Facility / NM1-006</u>	Phone No. <u>575-392-6368</u>
Address <u>6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220</u>	
NORM READINGS TAKEN? (Circle One) YES _____ NO <u>✓</u>	If YES, was reading > 50 micro roentgens? (Circle One) YES _____ NO _____
PASS THE PAINT FILTER TEST? (Circle One) YES _____ NO <u>✓</u>	

<b>TANK BOTTOMS</b>			
Feet	Inches	BS&W/MBLS Received	BS&W (%)
_____	_____	Free Water	_____
_____	_____	Total Received	_____
I hereby certify that the above load material has been (circle one):		If denied, why?	
ACCEPTED <u>John</u>		DENIED <u>NO</u>	
NAME (PRINT) _____	DATE _____	TITLE _____	SIGNATURE _____





NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Company Man Contact Information

Name Kent Ketz

Phone No. \_\_\_\_\_

<b>GENERATOR</b>		<b>NO. HW- 719333</b>
Generator Manifest # <u>XTD</u>	Location of Origin <u>XTD OK 152552</u>	
Generator Name _____	Lease/Well Name & No. <u>Wash 42 B 11001</u>	
Address _____	County <u>Adair Co 1033891001</u>	
City, State, Zip _____	API No. <u>1216041300</u>	
Phone No. _____	Rig Name & No. <u>Wash 42 B 11001</u>	
	AFE/PO No. <u>Wash 42 B 11001</u>	

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)			
Oil Based Muds _____	<b>NON-INJECTABLE WATERS</b>		<b>OTHER EXEMPT E&amp;P WASTE STREAMS</b>
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____		
Water Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____		
Water Based Cuttings _____	Produced Water (Non-Injectable) _____		
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____		
Tank Bottoms _____	<b>INTERNAL USE ONLY</b>		<b>TOP SOIL &amp; CALICHE SALES</b>
E&P Contaminated Soil _____	Truck Washout (exempt waste) YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	QUANTITY _____	TOP SOIL _____ CALICHE _____
Gas Plant Waste _____			
WASTE GENERATION PROCESS: <input type="checkbox"/> DRILLING <input type="checkbox"/> COMPLETION <input type="checkbox"/> PRODUCTION <input type="checkbox"/> GATHERING LINES			

NON-EXEMPT E&P Waste/Service Identification and Amount			
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCUP), Ignitability, Corrosivity and Reactivity.			
Non-Exempt Other _____ *please select from Non-Exempt Waste List on back			
DISPOSAL QUANTITY	B - BARRELS	L - LIQUID <u>20</u> Y - YARDS	E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (RCRA Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT: Oil field waste which is not hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE _____	DATE _____	SIGNATURE _____
---	------------	-----------------

<b>TRANSPORTER</b>	
Transporter's Name <u>Son Tex Mex</u>	Driver's Name <u>Gilbert Howell</u>
Address _____	Print Name _____
Phone No. <u>432-209-9209</u>	Phone No. <u>68</u>
Transporter Ticket # _____	Truck No. <u>63</u>

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_ DRIVER'S SIGNATURE \_\_\_\_\_ DELIVERY DATE 12-11-20 DRIVER'S SIGNATURE Gilbert Howell

<b>TRUCK TIME STAMP</b>	<b>DISPOSAL FACILITY</b>	<b>RECEIVING AREA</b>
IN: _____ OUT: _____	Name/No. <u>28</u>	

to Name/ _____	<b>Halfway Facility / NM1-006</b>	Phone No. <u>575-392-6368</u>
mit No. _____	<b>5601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220</b>	
Address _____		
NORM READINGS TAKEN? (Circle One) YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	If YES, was reading > 50 micro roentgens? (Circle One) YES <input type="checkbox"/> NO <input type="checkbox"/>	
PASS THE PAINT FILTER TEST? (Circle One) YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		

TANK BOTTOMS			
Feet	Inches	BS&W/BBLs Received	BS&W (%)
_____	_____	Free Water	_____
_____	_____	Total Received	_____

I hereby certify that the above load material has been (circle one): ACCEPTED 12/11/24 ADAM If denied, why? NP

NAME (PRINT) \_\_\_\_\_ DATE \_\_\_\_\_ TITLE \_\_\_\_\_ SIGNATURE \_\_\_\_\_





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kent Rotz

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. HW-680772

Generator Manifest # \_\_\_\_\_

Generator Name X70

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Location of Origin

Lease/Well

Name & No. Project: 03C1554352County Incident: MAP 2302248151API No. CAPP-2126041500Rig Name & No. MAP 230224815AFE/PO No. 221055871001

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Waste Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms		
E&P Contaminated Soil	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
Gas Plant Waste	Truck Washout (exempt waste)	QUANTITY TOP SOIL CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Southern

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name Franz Harder

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. 54

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 12-11-24DRIVER'S SIGNATURE [Signature]DELIVERY DATE 12-11-24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. [Signature]Site Name/  
Permit No.  
AddressHalfway Facility / NM1-0066601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlisbad, NM 88220Phone No. 575-392-8368NORM READINGS TAKEN? (Circle One) YES NO  
PASS THE PAINT FILTER TEST? (Circle One) YES NOIf YES, was reading > 50 micro roentgens? (Circle One) YES NO

## TANK BOTTOMS

Feet	Inches	BS&W/BDLS Received	BS&W (%)
at Gauge		Free Water	
and Gauge		Total Received	
Received			

I hereby certify that the above load material has been (circle one):

ACCEPTED [Signature]DENIED [Signature]

If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

DATE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Ken Betz

Phone No. \_\_\_\_\_

## GENERATOR

NO. HW-691153

Generator Manifest # \_\_\_\_\_

Generator Name XTO

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Location of Origin NASH 43 Battery

Lease/Well Name & No. Project: 03C1558052

County Incident: NAPP 200348121

API No. CAPP 136047200

Rig Name & No. NAPP 302349115

AFE/PO No. SC 105581001

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	Washout Water (Non-Injectable)	_____	OTHER EXEMPT E&P WASTE STREAMS		
Oil Based Cuttings	_____		Completion Fluid/Flow Back (Non-Injectable)	_____			
Waste Based Muds	_____		Produced Water (Non-Injectable)	_____			
Water Based Cuttings	_____		Gathering Line Water/Waste (Non-Injectable)	_____			
Produced Formation Solids	_____						
Tank Bottoms	_____	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES				
E&P Contaminated Soil	_____						
Gas Plant Waste	_____	Truck Washout (exempt waste)	YES	NO	QUANTITY	TOP SOIL	CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY: B - BARRELS L - LIQUID Y - YARDS 00 E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name Sen Ter MCA

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name FRANZ HAZARD

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. 34

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 12-11-24

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 12-11-24

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. AS

Facility Name/Permit No. Halfway Facility / NM1-006

Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlisbad, NM 86220

Phone No. 575-392-6360

NORM READINGS TAKEN? (Circle One) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

## TANK BOTTOMS

Feet	Inches	BS&W/BBLs Received	BS&W (%)
_____	_____	Free Water	_____
_____	_____	Total Received	_____

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) \_\_\_\_\_

DATE \_\_\_\_\_

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Ken RPT

Phone No. \_\_\_\_\_

## GENERATOR

NO. HW-680774

Generator Manifest # \_\_\_\_\_

Generator Name XTO

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Location of Origin

Lease/Well

Name & No. Project 03C1358552County McKinleyAPI No. APP 2126041300Rig Name & No. APP 2302545575AFE/PO No. SC1055831001

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Waste Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms		
E&P Contaminated Soil	INTERNAL USE ONLY	
Gas Plant Waste	Truck Washout (exempt waste)	
	YES NO	QUANTITY TOP SOIL CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCUP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS 0 E - EACH

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- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name STN

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name Franc Hender

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. 54

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 12-19-24DRIVER'S SIGNATURE [Signature]DELIVERY DATE 12-19-24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

to Name/ Halfway Facility / NM1-006

mit No. 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Address \_\_\_\_\_

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒

PASS THE PAINT FILTER TEST? (Circle One) YES ☒ NO ☐

If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

## TANK BOTTOMS

Feet	Inches	BS&W/BBLs Received	BS&W (%)
1st Gauge		Free Water	
2nd Gauge		Total Received	
Received			

I hereby certify that the above load material has been (circle one):

ACCEPTED 12/19/24DENIED ADMIf denied, why? AP

NAME (PRINT)

DATE

TITLE

SIGNATURE





# NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Company Man Contact Information

Name Ken Retz

Phone No. \_\_\_\_\_

## GENERATOR

NO. HW-680773

Generator Manifest # \_\_\_\_\_  
 Generator Name XTO  
 Address \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Location of Origin NASH 42 150102  
 Lease/Well Name & No. Project 03C1558552  
 County Incident APP 200 3348121  
 API No. APP 2136042300  
 Rig Name & No. APP 200 2545515  
 AFE/PO No. 22105 58 51001

### EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds		NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS	
				QUANTITY	TOP SOIL CALICHE
Oil Based Cuttings		Washout Water (Non-Injectable)			
Waste Based Muds		Completion Fluid/Flow Back (Non-Injectable)			
Water Based Cuttings		Produced Water (Non-Injectable)			
Produced Formation Solids		Gathering Line Water/Waste (Non-Injectable)			
Tank Bottoms		INTERNAL USE ONLY		TOP SOIL & CALICHE SALES	
E&P Contaminated Soil		Truck Washout (exempt waste)	YES NO		
Gas Plant Waste					

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

### NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analyzed and be below threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS 20 E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name STW  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_  
 Transporter Ticket # \_\_\_\_\_

Driver's Name Frank Harder  
 Print Name \_\_\_\_\_  
 Phone No. \_\_\_\_\_  
 Truck No. 54

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

### TRUCK TIME STAMP

### DISPOSAL FACILITY

### RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/ Permit No. Halfway Facility / NM1-006  
 Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐  
 PASS THE PAINT FILTER TEST? (Circle One) YES ☒ NO ☐

If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☐

## TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
3rd Gauge		

BS&W/BBLs Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

Signature Alexander DATE 12/16/24 TITLE AP/CL SIGNATURE AB





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Karl Retz

Phone No. \_\_\_\_\_

## GENERATOR

NO. HW-670351

Generator Manifest # \_\_\_\_\_  
 Generator Name XTO  
 Address \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Location of Origin NASH 42 134 Hwy  
 Lease/Well Name & No. Project: 03C1558522  
 County McKinley  
 API No. 2126047300  
 Rig Name & No. NAPP 530 554 515  
 AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	Washout Water (Non-Injectable)	_____	OTHER EXEMPT E&P WASTE STREAMS		
Oil Based Cuttings	_____		Completion Fluid/Flow Back (Non-Injectable)	_____			
Waste Based Muds	_____		Produced Water (Non-Injectable)	_____			
Water Based Cuttings	_____		Gathering Line Water/Waste (Non-Injectable)	_____			
Produced Formation Solids	_____						
Tank Bottoms	_____	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES				
E&P Contaminated Soil	_____		Truck Washout (exempt waste)	YES	NO	QUANTITY	TOP SOIL
Gas Plant Waste	_____						

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analyzed and be below threshold limits for toxicity (TCLP), ignitability, corrosivity and reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS 20 E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name ST 19 Driver's Name Franz Hader  
 Address \_\_\_\_\_ Print Name \_\_\_\_\_  
 Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_  
 Transporter Ticket # \_\_\_\_\_ Truck No. 54

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/ Permit No. Halfway Facility / NM1-006  
 Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-887-6504

NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐  
 PASS THE PAINT FILTER TEST? (Circle One) YES ☒ NO ☐

If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☐

## TANK BOTTOMS

Feet	Inches	BS&W/BOBLS Received	BS&W (%)
_____	_____	Free Water	_____
_____	_____	Total Received	_____

I hereby certify that the above load material has been (circle one):

ACCEPTED ☒DENIED ☐

If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - R360 ORIGINAL

Yellow- TRANSPORTER COPY

Pink- GENERATOR SITE COPY

Gold- RETURN TO GENERATOR

108 R140-1340 F Rev 06/21





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name KEIT RPT

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. HW-

Generator Manifest # \_\_\_\_\_  
 Generator Name XTO  
 Address \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Location of Origin NASH 42-30 P 10210  
 Lease/Well Name & No. Project 03C1558552  
 County Ward  
 API No. 126042000  
 Rig Name & No. MPP 200 2545515  
 AFE/PO No. CC 10558 1001

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

OIL BASED MUDS		NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS	
Oil Based Muds	_____	Washout Water (Non-Injectable)	_____	<u>Relin Pump</u>	
Oil Based Cuttings	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Waste Based Muds	_____	Produced Water (Non-Injectable)	_____		
Water Based Cuttings	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Produced Formation Solids	_____	INTERNAL USE ONLY		TOP SOIL & CALICHE SALES	
Tank Bottoms	_____	Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY	TOP SOIL CALICHE
E&P Contaminated Soil	_____				
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 (Y - YARDS) E - EACH

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- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
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- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name STM Driver's Name Franz Hader  
 Address \_\_\_\_\_ Print Name \_\_\_\_\_  
 Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_  
 Transporter Ticket # \_\_\_\_\_ Truck No. 541

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/ Permit No. Halfway Facility / NM1-006  
 Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlshad, NM 88220

Phone No. 575-887-6504NORM READINGS TAKEN? (Circle One) YES (X) NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES (X) NO

## TANK BOTTOMS

Foot	Inches	BS&W/BBLs Received	BS&W (%)
1st Gauge	_____	Free Water	_____
2nd Gauge	_____	Total Received	_____
3rd Gauge	_____		

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kent RATZ

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. HW- 675370

Generator Manifest # \_\_\_\_\_  
 Generator Name XTO  
 Address \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Location of Origin NASH 42-Battle  
 Lease/Well \_\_\_\_\_  
 Name & No. Project 03C1598592  
 County El Paso  
 API No. 4126092800  
 Rig Name & No. Incident # APP 2302548121  
 AFE/PO No. APP 2502543515  
EC 1095831001

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

OIL BASED MUDS		NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS	
Oil Based Muds	_____	Washout Water (Non-Injectable)	_____	<u>Belly Dump</u>	
Oil Based Cuttings	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Waste Based Muds	_____	Produced Water (Non-Injectable)	_____		
Water Based Cuttings	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Produced Formation Solids	_____	INTERNAL USE ONLY		TOP SOIL & CALICHE SALES	
Tank Bottoms	_____	Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY	TOP SOIL CALICHE
E&P Contaminated Soil	_____				
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analyzed and be below threshold limits for toxicity (TCLP), ignitability, corrosivity and reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS 20 E - EACH

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☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name STN  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_  
 Transporter Ticket # \_\_\_\_\_

Driver's Name Franz Hader  
 Print Name \_\_\_\_\_  
 Phone No. \_\_\_\_\_  
 Truck No. 54

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. \_\_\_\_\_

Site Name/Permit No. Halfway Facility / NM1-006  
 Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlisbad, NM 88220

Phone No. 575-887-6504

NORM READINGS TAKEN? (Circle One) YES \_\_\_\_\_ NO \_\_\_\_\_

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES \_\_\_\_\_ NO \_\_\_\_\_

PASS THE PAINT FILTER TEST? (Circle One) YES \_\_\_\_\_ NO \_\_\_\_\_

## TANK BOTTOMS

	Feet	Inches
at Gauge	_____	_____
nd Gauge	_____	_____
received	_____	_____

BS&W/BBLS Received	_____	BS&W (%)	_____
Free Water	_____		
Total Received	_____		

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE

-138

White - R360 ORIGINAL

Yellow- TRANSPORTER COPY

Pink- GENERATOR SITE COPY

Gold- RETURN TO GENERATOR

Web R360-53489 Rev 06/21





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kent Retz

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. HW-

Generator Manifest # \_\_\_\_\_

Generator Name X TO

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Location of Origin

Lease/Well

Name & No. Project: 0361558553County Incident: WAPD 30-148121API No. FAIRFIELD 047300Rig Name & No. WAPD 30-2545513AFE/PO No. CE1055811001

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	Washout Water (Non-Injectable)	_____	OTHER EXEMPT E&P WASTE STREAMS		
Oil Based Cuttings	_____		Completion Fluid/Flow Back (Non-Injectable)	_____			
Waste Based Muds	_____		Produced Water (Non-Injectable)	_____			
Water Based Cuttings	_____		Gathering Line Water/Waste (Non-Injectable)	_____			
Produced Formation Solids	_____						
Tank Bottoms	_____	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES				
E&P Contaminated Soil	_____		Truck Washout (exempt waste)	YES	NO	QUANTITY	TOP SOIL
Gas Plant Waste	_____						

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analyzed and be below threshold limits for toxicity (TCUP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS 20 E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name ST 4

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name FRANC HENDERSON

Print Name

Phone No.

Truck No. 54

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 10-13-24

DRIVER'S SIGNATURE

DELIVERY DATE 10-13-24

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. JG

Site Name/Permit No. Halfway Facility / NM1-006

Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlisbad, NM 88220

Phone No. 575-887-6504NORM READINGS TAKEN? (Circle One) YES NOIf YES, was reading > 50 micro roentgens? (Circle One) YES NOPASS THE PAINT FILTER TEST? (Circle One) YES NO

## TANK BOTTOMS

Feet	Inches
_____	_____
_____	_____
_____	_____

BS&W/BBLS Received	_____	BS&W (%)	_____
From Water	_____		
Total Received	_____		

I hereby certify that the above load material has been (circle one):

ACCEPTED 10/13

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





# NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Kent Korte

Phone No. \_\_\_\_\_

## GENERATOR

NO. **HW-722248**

Generator Manifest # \_\_\_\_\_  
 Generator Name X TO  
 Address \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Location of Origin NASH #2 BETTLEY  
 Lease/Well Name & No. Project: 03C155 8552  
 County McKinley  
 API No. 126047500  
 Rig Name & No. NAPP 230 23 45 513  
 AFE/PO No. CC1055K21001

### EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste	YES NO	QUANTITY TOP SOIL CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

### NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCUP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS 20 E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Sen Terner  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_  
 Transporter Ticket # \_\_\_\_\_

Driver's Name FRANK HODLER  
 Print Name \_\_\_\_\_  
 Phone No. \_\_\_\_\_  
 Truck No. 54

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

### TRUCK TIME STAMP

### DISPOSAL FACILITY

### RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 784

Facility Name/Permit No. Halfway Facility / NM1-006  
 Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlisbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES NO  
 PASS THE PAINT FILTER TEST? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (Circle One) YES NO

## TANK BOTTOMS

Feet	Inches
1	
2	
3	

BS&W/BBLS Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kent Retz

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. HW-722815

Generator Manifest # \_\_\_\_\_  
 Generator Name XTO  
 Address \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Location of Origin NASH 42 Bldg  
 Lease/Well Name & No. Project: 03C1558852  
 County Incident: NAPP 230 2348131  
 API No. LAPP 3126047300  
 Rig Name & No. NAPP 230 2345515  
 AFE/PO No. CC-1055821001

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	YES NO QUANTITY TOP SOIL CALICHE
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCUP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS 20 E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Sam Tel Mex  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_  
 Transporter Ticket # \_\_\_\_\_

Driver's Name FRANC H JH H  
 Print Name \_\_\_\_\_  
 Phone No. \_\_\_\_\_  
 Truck No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 238

te Name/  
 rmit No.  
 dross

Halfway Facility / NM1-006Phone No. 575-392-63686601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

## TANK BOTTOMS

	Feet	Inches
1 Gauge		
2 Gauge		
3 Gauge		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Company Man Contact Information  
Name Kent Ritz  
Phone No. \_\_\_\_\_

Generator Manifest # XTO **GENERATOR** NO. HW-717404

Generator Name \_\_\_\_\_ Location of Origin VASH 42 Battery

Address \_\_\_\_\_ Name & No. Project 03C1558552

City, State, Zip \_\_\_\_\_ County Eddy

Phone No. \_\_\_\_\_ API No. 6011216047300

\_\_\_\_\_ Rig Name & No. CC 1055831001

\_\_\_\_\_ AFE/PO No. Doc-2017-20112308345121 - 2302545555

**EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)**

Oil Based Muds	_____	<b>NON-INJECTABLE WATERS</b>	Washout Water (Non-Injectable) _____ Completion Fluid/Flow Back (Non-Injectable) _____ Produced Water (Non-Injectable) _____ Gathering Line Water/Waste (Non-Injectable) _____	<b>OTHER EXEMPT E&amp;P WASTE STREAMS</b>
Oil Based Cuttings	_____			
Water Based Muds	_____			
Water Based Cuttings	_____			
Produced Formation Solids	_____			
Tank Bottoms	_____	<b>INTERNAL USE ONLY</b>	Truck Washout (exempt waste) YES <u>(NO)</u>	<b>TOP SOIL &amp; CALICHE SALES</b>
E&P Contaminated Soil	_____			
Gas Plant Waste	_____	QUANTITY _____	TOP SOIL _____	CALICHE _____

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

**NON-EXEMPT E&P Waste/Service Identification and Amount**  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 (Y - YARDS) E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

**TRANSPORTER**

Transporter's Name Sen Tex Mex Driver's Name Joe Curry

Address \_\_\_\_\_ Print Name 3184745367

Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_ Truck No. 62

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_ DRIVER'S SIGNATURE \_\_\_\_\_ DELIVERY DATE 12-11-24 DRIVER'S SIGNATURE \_\_\_\_\_

**TRUCK TIME STAMP** IN: \_\_\_\_\_ OUT: \_\_\_\_\_ **DISPOSAL FACILITY** **RECEIVING AREA** Name/No. 28

Site Name/Permit No. Halfway Facility / NM1-006 Phone No. 575-392-6368

Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (Circle One) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

**TANK BOTTOMS**

Feet	Inches	BS&W/BBLs Received	BS&W (%)
_____	_____	Free Water	_____
_____	_____	Total Received	_____

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? \_\_\_\_\_

NAME (PRINT) Joe Curry DATE 12/11/24 TITLE Driver SIGNATURE \_\_\_\_\_





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kent R. 47

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **HW-722097**Generator Manifest # X70Location of Origin MASH 42 Benthon

Generator Name \_\_\_\_\_

Name & No. Porter 0301558552

Address \_\_\_\_\_

County El Paso

City, State, Zip \_\_\_\_\_

API No. 64717604780

Phone No. \_\_\_\_\_

Rig Name & No. MASH 42 Benthon - 2 02545515

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	Truck Washout (exempt waste)	QUANTITY TOP SOIL CALICHE
Gas Plant Waste	YES NO	

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Sam Tex MexDriver's Name Sam Tex Mex

Address \_\_\_\_\_

Print Name Sam Tex Mex

Phone No. \_\_\_\_\_

Phone No. 319 499 5587

Transporter Ticket # \_\_\_\_\_

Truck No. 02

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 02Facility Name/Permit No./Address  
Halfway Facility / NM1-006  
6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

## TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
3rd Gauge		

BS&W/BBLS Received		BS&W (%)
Free Water		
Total Received		

I hereby certify that the above load material has been (circle one) ACCEPTED DENIED If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Leir Rm2

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **HW-722098**Generator Manifest # XTOLocation of Origin  
Lease/WellXTO Nash 42 Battery

Generator Name \_\_\_\_\_

Name &amp; No.

Project 03/1558552

Address \_\_\_\_\_

County

El Paso

City, State, Zip \_\_\_\_\_

API No.

El Paso 126047300

Phone No. \_\_\_\_\_

Rig Name &amp; No.

WAPP 2303345121

AFE/PO No.

WAPP 2302545515

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALTS	_____
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES _____ NO <u>(NO)</u>	QUANTITY	TOP SOIL CALICHE
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 (Y - YARDS) E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name SanTex Mex

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/Address  
Halfway Facility / NM1-006  
6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES \_\_\_\_\_ NO \_\_\_\_\_  
 PASS THE PAINT FILTER TEST? (Circle One) YES \_\_\_\_\_ NO \_\_\_\_\_

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES \_\_\_\_\_ NO \_\_\_\_\_

## TANK BOTTOMS

Feet	_____	Inches	_____
Gauge	_____	Gauge	_____
Received	_____	Received	_____

BS&W/BBLs Received	_____	BS&W (%)	_____
Free Water	_____		
Total Received	_____		

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - R360 ORIGINAL

Yellow - TRANSPORTER COPY

Pink - GENERATOR SITE COPY

Gold - RETURN TO GENERATOR





# NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Kent Retz

Phone No. \_\_\_\_\_

## GENERATOR

NO. **HW- 724182**

Generator Manifest # \_\_\_\_\_

Generator Name STO

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Location of Origin \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. North 42 Battery

County MUNICIPALITY OF CARLSBAD

API No. MPP2176042500

Rig Name & No. CC 102523/001

AFE/PO No. PRM193C158762

### EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds		NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS	
		Washout Water (Non-Injectable)			
Oil Based Cuttings		Completion Fluid/Flow Back (Non-Injectable)			
Water Based Muds		Produced Water (Non-Injectable)			
Water Based Cuttings		Gathering Line Water/Waste (Non-Injectable)			
Produced Formation Solids					
Tank Bottoms					
E&P Contaminated Soil					
Gas Plant Waste					

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

### NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCPL), ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT.

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT.

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information

☐ RCRA Hazardous Waste Analysis

☐ Other (Provide Description Below)

☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name Sea Tex Hov

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name Johan Brinera

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. 38

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 12-12-24

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 12-12-24

DRIVER'S SIGNATURE \_\_\_\_\_

### TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

### DISPOSAL FACILITY

### RECEIVING AREA

Name/ mit No. Halfway Facility / NM1-006  
Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES ☐ NO ☐  
PASS THE PAINT FILTER TEST? (Circle One) YES ☐ NO ☐

If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☐

## TANK BOTTOMS

	Feet	Inches
Guage		
Guage		
eived		

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) \_\_\_\_\_

DATE \_\_\_\_\_

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

White - R360 ORIGINAL

Yellow- TRANSPORTER COPY

Pink- GENERATOR SITE COPY

Gold- RETURN TO GENERATOR





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Ken Ketz

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **HW-724183**

Generator Manifest # \_\_\_\_\_

Location of Origin \_\_\_\_\_

Generator Name YTO

Lease/Well \_\_\_\_\_

Name & No. Nash 42 Builery

Address \_\_\_\_\_

County New MexicoAPI No. 126042500

City, State, Zip \_\_\_\_\_

Rig Name & No. CR 1054331001

Phone No. \_\_\_\_\_

AFE/PO No. 1555052

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____	<u>Bully Dump</u>	
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES	_____
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY	TOP SOIL CALICHE
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCRP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 50 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Sam Tex MexDriver's Name John Thirson

Address \_\_\_\_\_

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Truck No. 30

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 12-12-24DRIVER'S SIGNATURE [Signature]DELIVERY DATE 12-12-24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28Site Name/ Permit No. Halfway Facility / NM1-006Phone No. 575-392-6368Address 6501 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220NORM READINGS TAKEN? (Circle One) YES NOIf YES, was reading > 50 micro roentgens? (Circle One) YES NOPASS THE PAINT FILTER TEST? (Circle One) YES NO

## TANK BOTTOMS

Feet \_\_\_\_\_ Inches \_\_\_\_\_

1st Gauge	_____	BS&W/OBLS Received	_____	BS&W (%)	_____
2nd Gauge	_____	Free Water	_____		
Received	_____	Total Received	_____		

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why? APNAME (PRINT) Alexandra KDATE 12/12/24TITLE ADMSIGNATURE [Signature]





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Heath Ritz

Phone No. \_\_\_\_\_

## GENERATOR

NO. **HW-724184**

Generator Manifest # \_\_\_\_\_  
 Generator Name YTO  
 Address \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Location of Origin \_\_\_\_\_  
 Lease/Well \_\_\_\_\_  
 Name & No. Nash 42 Bottom  
 County McKinley  
 API No. 440230395101-2302540510  
 Rig Name & No. 10557-1007  
 AFE/PO No. HOME 0301538523

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	<u>Belly Dump</u>
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	Truck Washout (exempt waste)	YES NO QUANTITY TOP SOIL CALICHE
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analyzed and be below threshold limits for toxicity (TCDF), flammability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 200 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Seal Tex Inc  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_  
 Transporter Ticket # \_\_\_\_\_

Driver's Name Tobias Thacker  
 Print Name \_\_\_\_\_  
 Phone No. \_\_\_\_\_  
 Truck No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below:

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. \_\_\_\_\_

Facility Name/  
 Permit No.  
 Address

Halfway Facility / NM1-0066001 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

## TANK BOTTOMS

	Feet	Inches	BS&W/BBLs Received	BS&W (%)
1 Gauge				
2 Gauge			Free Water	
3 Gauge			Total Received	

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Kurt Retz

Phone No. \_\_\_\_\_

## GENERATOR

NO. **HW-724185**

Generator Manifest # \_\_\_\_\_

Generator Name XTO

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Location of Origin

Lease/Well

Name & No. Nash 42 BatteryCounty GrantAPI No. 7126042300Rig Name & No. CC 103523001AFE/PO No. 10301535552

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	Washout Water (Non-Injectable)	_____	OTHER EXEMPT E&P WASTE STREAMS <u>Bully Dump</u>
Oil Based Cuttings	_____		Completion Fluid/Flow Back (Non-Injectable)	_____	
Water Based Muds	_____		Produced Water (Non-Injectable)	_____	
Water Based Cuttings	_____		Gathering Line Water/Waste (Non-Injectable)	_____	
Produced Formation Solids	_____	INTERNAL USE ONLY			
Tank Bottoms	_____				
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES	NO	QUANTITY
Gas Plant Waste	_____				TOP SOIL CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analyzed and be below threshold limits for toxicity (TCUP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name SEM TEX INC

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name Tobias Jensen

Print Name

Phone No.

Truck No. 32

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. \_\_\_\_\_

Site Name/ Permit No. Halfway Facility / NM1-006 Phone No. 575-392-6368

Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

## TANK BOTTOMS

Feet	Inches	BS&W/DBLS Received	BS&W (%)
_____	_____	Free Water	_____
_____	_____	Total Received	_____

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - R360 ORIGINAL

Yellow - TRANSPORTER COPY

Pink - GENERATOR SITE COPY

Gold - RETURN TO GENERATOR





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Ante Retz

Phone No. \_\_\_\_\_

## GENERATOR

NO. **HW-724186**

Generator Manifest # \_\_\_\_\_

Location of Origin \_\_\_\_\_

Generator Name XTO

Lease/Well \_\_\_\_\_

Address \_\_\_\_\_

Name & No. Nash 42 Bally

City, State, Zip \_\_\_\_\_

County McKinley

Phone No. \_\_\_\_\_

API No. FA 123456789Rig Name & No. 1055431001AFE/PO No. 1036153833

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____	<u>Belly Dump</u>	
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES	_____
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY	_____
Gas Plant Waste	_____			TOP SOIL	CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Sam Ted AllenDriver's Name Tobias Thiesen

Address \_\_\_\_\_

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Truck No. 38

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. \_\_\_\_\_

Name/Unit No. Halfway Facility / NM1-006

Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES \_\_\_\_\_ NO \_\_\_\_\_

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES \_\_\_\_\_ NO \_\_\_\_\_

PASS THE PAINT FILTER TEST? (Circle One) YES \_\_\_\_\_ NO \_\_\_\_\_

## TANK BOTTOMS

Feet	_____	BS&W/BBLs Received	_____	BS&W (%)	_____
Gauge	_____	Free Water	_____		
Received	_____	Total Received	_____		

I hereby certify that the above load material has been (circle one): ACCEPTED \_\_\_\_\_ DENIED \_\_\_\_\_ If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - R360 ORIGINAL

Yellow- TRANSPORTER COPY

Pink- GENERATOR SITE COPY

Gold- RETURN TO GENERATOR





NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information  
Name Kent Retz  
Phone No. \_\_\_\_\_

(PLEASE PRINT) \*REQUIRED INFORMATION\*

GENERATOR

NO. **HW -721690**

Generator Manifest # \_\_\_\_\_  
Generator Name YTO  
Address \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Phone No. \_\_\_\_\_

Location of Origin  
Lease/Well Name & No. Nash 42 Bq/1000  
County McKinley  
API No. WHP 212 604 7300  
Rig Name & No. CC 1055 3/001  
AFE/PO No. 10001 030 153 050

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)					
Oil Based Muds	_____	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS		
Oil Based Cuttings	_____				
Water Based Muds	_____				
Water Based Cuttings	_____				
Produced Formation Solids	_____				
Tank Bottoms	_____	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES		
E&P Contaminated Soil	_____				
Gas Plant Waste	_____				
Truck Washout (exempt waste)		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	QUANTITY <u>Belly Dump</u>	TOP SOIL	CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.  
Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 200 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

TRANSPORTER

Transporter's Name Samir Alex  
Address \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Transporter Ticket # \_\_\_\_\_

Driver's Name John Thriessen  
Print Name \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Truck No. 35

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 12-13-24 DRIVER'S SIGNATURE [Signature] DELIVERY DATE 12-13-24 DRIVER'S SIGNATURE [Signature]

TRUCK TIME STAMP		DISPOSAL FACILITY	RECEIVING AREA
IN: _____	OUT: _____	Name/No. <u>78</u>	

Facility Name/Permit No. Halfway Facility / NM1-006 Phone No. 575-392-6368  
Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒ If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒  
PASS THE PAINT FILTER TEST? (Circle One) YES ☒ NO ☐

TANK BOTTOMS

	Feet	Inches	BS&W/BBLS Received	BS&W (%)
Guage				
Guage				
Received				

I hereby certify that the above load material has been (circle one): ACCEPTED ☒ DENIED ☐ If denied, why? \_\_\_\_\_  
NAME (PRINT) [Signature] DATE 12/13 TITLE [Signature] SIGNATURE [Signature]





NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Name Kent Retz

Phone No. \_\_\_\_\_

GENERATOR

NO. **HW-721689**

Generator Manifest # \_\_\_\_\_

Location of Origin \_\_\_\_\_

Generator Name XTO

Name & No. Nash 42 Battery

Address \_\_\_\_\_

County McKinley WAP 2-303848121-230-259551

City, State, Zip \_\_\_\_\_

API No. 14PR2126047500

Phone No. \_\_\_\_\_

Rig Name & No. CC 145831001

AFE/PO No. P. 004 03/155855A

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)			
Oil Based Muds	_____	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____
Tank Bottoms	_____	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	<input checked="" type="checkbox"/>	Truck Washout (exempt waste)	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Gas Plant Waste	_____	QUANTITY	TOP SOIL CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 200 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

TRANSPORTER

Transporter's Name Semi Tex Mex

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name Johan Thieszen

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. 35

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 12-13-24 DRIVER'S SIGNATURE \_\_\_\_\_ DELIVERY DATE 12-13-24 DRIVER'S SIGNATURE \_\_\_\_\_

TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
IN: _____ OUT: _____	Name/No. <u>74</u>	

Site Name/Permit No. Halfway Facility / NM1-006 Phone No. 575-392-6368

Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐ If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☐

PASS THE PAINT FILTER TEST? (Circle One) YES ☒ NO ☐

TANK BOTTOMS

Feet	Inches	BS&W/BBLS Received	BS&W (%)
_____	_____	Free Water	_____
_____	_____	Total Received	_____

I hereby certify that the above load material has been (circle one): ACCEPTED ☒ DENIED ☐ If denied, why? \_\_\_\_\_

NAME (PRINT) \_\_\_\_\_ DATE \_\_\_\_\_ TITLE \_\_\_\_\_ SIGNATURE \_\_\_\_\_





NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Name Kent Ritz

Phone No. \_\_\_\_\_

GENERATOR

NO. **HW -721688**

Generator Manifest # \_\_\_\_\_

Location of Origin \_\_\_\_\_

Generator Name XTO

Lease/Well Name & No. Nash 42 Battery

Address \_\_\_\_\_

County Valencia MPP2303348121-2303543313

City, State, Zip \_\_\_\_\_

API No. FAP2126047300

Phone No. \_\_\_\_\_

Rig Name & No. CC 10383100

AFE/PO No. Prod 9361538952

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____				
E&P Contaminated Soil	_____	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES	_____
Gas Plant Waste	_____	Truck Washout (exempt waste)	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	QUANTITY	TOP SOIL CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 200 Y - YARDS E - EACH

I hereby certify that the above listed material(s) is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

TRANSPORTER

Transporter's Name Son Tex Mex

Driver's Name John Threson

Address \_\_\_\_\_

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Truck No. 35

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 12-13-24

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 12-13-24

DRIVER'S SIGNATURE \_\_\_\_\_

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. JF

Site Name/Permit No. Halfway Facility / NM1-006  
Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒  
PASS THE PAINT FILTER TEST? (Circle One) YES ☐ NO ☒

If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

TANK BOTTOMS

Feet	Inches	BS&W/BBLS Received	BS&W (%)
_____	_____	Free Water	_____
_____	_____	Total Received	_____

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? \_\_\_\_\_

NAME (PRINT) \_\_\_\_\_

DATE \_\_\_\_\_

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Kent Ratz

Phone No. \_\_\_\_\_

## GENERATOR

NO. **HW-724181**

Generator Manifest # \_\_\_\_\_

Generator Name YTO

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Location of Origin \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Nach 42 BallyCounty McKinleyAPI No. FAH 3126092300Rig Name & No. CC 105831001AFE/PO No. Print 9261258552

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____	<u>Bally Dump</u>	
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES	_____
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY	TOP SOIL CALICHE
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Star Transport

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name John Throssen

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. 30

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28Site Name/  
Permit No.  
AddressHalfway Facility / NM1-0066601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

## TANK BOTTOMS

Feet	Inches
_____	_____
_____	_____
_____	_____

BS&W/BBLS Received	_____	BS&W (%)	_____
Free Water	_____		
Total Received	_____		

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





# NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kent Katz

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **HW-724180**

Generator Manifest # \_\_\_\_\_

Generator Name XTO

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Location of Origin \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Nash 92 Buttery

County Grant

API No. 10-21-1604-200

Rig Name & No. 10-21-1604

AFE/PO No. 10-21-1604-200

### EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	TOP SOIL & CALICHE SALTS
E&P Contaminated Soil	Truck Washout (exempt waste)	YES NO QUANTITY TOP SOIL CALICHE
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

### NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCPL), ignitability, Corrosivity and reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name SON TEXACO

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name John Thieson

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

### TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

### DISPOSAL FACILITY

### RECEIVING AREA

Name/Address Halfway Facility / NM1-006  
6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (Circle One) YES NO  
PASS THE PAINT FILTER TEST? (Circle One) YES NO

## TANK BOTTOMS

Gauge	Feet	Inches	BS&W/BBLs Received	BS&W (%)
Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - R360 ORIGINAL

Yellow- TRANSPORTER COPY

Pink- GENERATOR SITE COPY

Gold- RETURN TO GENERATOR





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Kent Betz

Phone No. \_\_\_\_\_

## GENERATOR

NO. HW- 720057

Generator Manifest # \_\_\_\_\_  
 Generator Name XTO  
 Address \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Location of Origin N44+ 42 Battery  
 Lease/Well Name & No. Pic #030953882  
 County MAP 2303 342121 WAPP 2303 342121  
 API No. C 1055531001  
 Rig Name & No. API 2126047300  
 AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

		NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS	
		Washout Water (Non-Injectable)			
Oil Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Water Based Muds	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Water Based Cuttings	_____				
Produced Formation Solids	_____				
Tank Bottoms	_____				
E&P Contaminated Soil	_____				
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Semtex Mex  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_  
 Transporter Ticket # \_\_\_\_\_

Driver's Name Cornelio  
 Print Name \_\_\_\_\_  
 Phone No. \_\_\_\_\_  
 Truck No. 03

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/ Permit No. Halfway Facility / NM1-006  
 Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒  
 PASS THE PAINT FILTER TEST? (Circle One) YES ☐ NO ☒

If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

## TANK BOTTOMS

	Feet	Inches	BS&W/BBLs Received	BS&W (%)
1st Gauge				
2nd Gauge			Free Water	
3rd Gauge			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED ☒ DENIED ☐ If denied, why? \_\_\_\_\_

NAME (PRINT) \_\_\_\_\_ DATE \_\_\_\_\_ TITLE \_\_\_\_\_ SIGNATURE \_\_\_\_\_





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Kent Betz

Phone No. \_\_\_\_\_

## GENERATOR

NO. HW-720059

Generator Manifest # \_\_\_\_\_

Generator Name XTO

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Location of Origin WASH 42 Battery

Lease/Well \_\_\_\_\_

Name & No. Prop: #0301552352County NAPP 23033481211 APP 23025455515API No. CC: 105583001Rig Name & No. APP 2126047300

AFE/PO No. \_\_\_\_\_

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____
Tank Bottoms	_____	INTERNAL USE ONLY	TOP SOIL & CALICHE SAILS
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES NO QUANTITY TOP SOIL CALICHE
Gas Plant Waste	_____		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY

B - BARRELS

L - LIQUID

20 C - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name SemTex Mex

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name Cocaelia

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. 03

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28Site Name/  
Permit No.Halfway Facility / NM1-006

Address

6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No.

675-392-6368NORM READINGS TAKEN? (Circle One) YES NO  
PASS THE PAINT FILTER TEST? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W/BBLs Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





# NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Name Port Patz

Phone No. \_\_\_\_\_

## GENERATOR

NO. **HW- 724104**

Generator Manifest # \_\_\_\_\_  
 Generator Name XTO  
 Address \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Location of Origin NASH 42 Battery  
 Lease/Well Name & No. P-2#10301553942  
 County LAPEZ 203048121 / 444 2302545517  
 API No. 601055031001  
 Rig Name & No. CAPP 2016124 73002  
 AFE/PO No. \_\_\_\_\_

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____				
E&P Contaminated Soil	_____	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES	_____
Gas Plant Waste	_____	Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY	TOP SOIL CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analyzed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY: B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Sentex Mex  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_  
 Transporter Ticket # \_\_\_\_\_

Driver's Name Cornelio  
 Print Name \_\_\_\_\_  
 Phone No. \_\_\_\_\_  
 Truck No. 03

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Name/Permit No. Halfway Facility / NM1-006  
 Address 6601 Hobbs Hwy US 62 / 100 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES \_\_\_\_\_ NO \_\_\_\_\_ If YES, was reading > 50 micro roentgens? (Circle One) YES \_\_\_\_\_ NO \_\_\_\_\_  
 PASS THE PAINT FILTER TEST? (Circle One) YES \_\_\_\_\_ NO \_\_\_\_\_

## TANK BOTTOMS

Feet	Inches	BS&W/BBLs Received	BS&W (%)
Guage	_____	Free Water	_____
Guage	_____	Total Received	_____
Received	_____		

I hereby certify that the above load material has been (circle one): ACCEPTED \_\_\_\_\_ DENIED \_\_\_\_\_ If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE





NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kent Retz

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

GENERATOR

NO. **HW-721276**

Generator Manifest # \_\_\_\_\_

Location of Origin

ASH 42 Battery

Generator Name XTO

Lease/Well

Prod# 081558552

Address \_\_\_\_\_

Name & No.

MAP 2303398121/1A/APP 2302545515

City, State, Zip \_\_\_\_\_

County

CC 1033331001

Phone No. \_\_\_\_\_

API No.

APP 2126047300

Rig Name & No.

AFE/PO No. \_\_\_\_\_

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____				
E&P Contaminated Soil	_____	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES	_____
Gas Plant Waste	_____	Truck Washout (exempt waste)	YES / NO	QUANTITY	TOP SOIL CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 (Y - YARDS) E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Semtex Mex

Driver's Name

Cornelio

Address \_\_\_\_\_

Print Name

Phone No. \_\_\_\_\_

Phone No.

Transporter Ticket # \_\_\_\_\_

Truck No.

03

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. \_\_\_\_\_

Facility Name/Permit No. Halfway Facility / NM1-006

Phone No.

575-392-6368

Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒

If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

PASS THE PAINT FILTER TEST? (Circle One) YES ☐ NO ☒

TANK BOTTOMS

Feet	Inches	BS&W/BBLS Received	BS&W (%)
Guage		Free Water	
Guage		Total Received	
Received			

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information  
Name Kent Reta  
Phone No. \_\_\_\_\_

(PLEASE PRINT) \*REQUIRED INFORMATION\*

GENERATOR

NO. **HW -721275**

Generator Manifest # \_\_\_\_\_  
Generator Name XTO  
Address \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Phone No. \_\_\_\_\_

Location of Origin NASH 42 Battery  
Lease/Well Name & No. Pro. 1403258552  
County WAB 2303749121 NAPP 2302345515  
API No. 661055831001  
Rig Name & No. EAPP 2136047300  
AFE/PO No. \_\_\_\_\_

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)			
Oil Based Muds	_____	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	_____		
Water Based Muds	_____		
Water Based Cuttings	_____		
Produced Formation Solids	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	_____		
Gas Plant Waste	_____		
Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY	TOP SOIL CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.  
Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged; and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
  - ☐ MSDS Information
  - ☐ RCRA Hazardous Waste Analysis
  - ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

TRANSPORTER

Transporter's Name Santa Ana  
Address \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Transporter Ticket # \_\_\_\_\_

Driver's Name Cornelio  
Print Name \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Truck No. 03

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_ DRIVER'S SIGNATURE \_\_\_\_\_ DELIVERY DATE 12-11-21 DRIVER'S SIGNATURE \_\_\_\_\_

TRUCK TIME STAMP		DISPOSAL FACILITY		RECEIVING AREA	
IN: _____	OUT: _____	Name/No. _____		Name/No. _____	
Site Name/Permit No. <u>Halfway Facility / NM1-006</u>		Phone No. <u>575-392-6368</u>			
Address <u>6601 Hobbs Hwy US 62 / 180 Mile Marker 56 Carlisbad, NM 88220</u>					
NORM READINGS TAKEN? (Circle One) YES _____ NO _____		If YES, was reading > 50 micro roentgens? (Circle One) YES _____ NO _____			
PASS THE PAINT FILTER TEST? (Circle One) YES _____ NO _____					

TANK BOTTOMS

	Feet	Inches	BS&W/BBLS Received	BS&W (%)
1st Gauge				
2nd Gauge			Free Water	
3rd Gauge			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED \_\_\_\_\_ DENIED \_\_\_\_\_ If denied, why? \_\_\_\_\_  
NAME (PRINT) \_\_\_\_\_ DATE 12-11-21 TITLE \_\_\_\_\_ SIGNATURE \_\_\_\_\_





# NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Ken + Rita

Phone No. \_\_\_\_\_

## GENERATOR

NO. **HW-724109**

Generator Manifest # \_\_\_\_\_  
 Generator Name XTO  
 Address \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Location of Origin ASH 42 Bellu  
 Lease/Well Name & No. Pr: #030578592  
 County LAPEZ 2303249121 LAPEZ 2302245915  
 API No. 611059731001  
 Rig Name & No. LAPEZ 2306247300  
 AFE/PO No. \_\_\_\_\_

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)			
Oil Based Muds	_____	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____
Tank Bottoms	_____	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES NO QUANTITY TOP SOIL CALICHE
Gas Plant Waste	_____		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount  
 All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 (Y - YARDS) E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name SanTex Mex  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_  
 Transporter Ticket # \_\_\_\_\_

Driver's Name Chenelio  
 Print Name \_\_\_\_\_  
 Phone No. \_\_\_\_\_  
 Truck No. 03

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_ DRIVER'S SIGNATURE \_\_\_\_\_ DELIVERY DATE 12-12-24 DRIVER'S SIGNATURE \_\_\_\_\_

TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
IN: _____ OUT: _____	Name/No. <u>28</u>	
Site Name/Permit No. <u>Halfway Facility / NM1-006</u>	Phone No. <u>575-392-6368</u>	
Address <u>6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220</u>		
NORM READINGS TAKEN? (Circle One) YES NO	If YES, was reading > 50 micro roentgens? (Circle One) YES NO	
PASS THE PAINT FILTER TEST? (Circle One) YES NO		

## TANK BOTTOMS

Feet	Inches	BS&W/BBLs Received	BS&W (%)
1st Gauge	_____	Free Water	_____
2nd Gauge	_____	Total Received	_____
3rd Gauge	_____		

I hereby certify that the above load material has been (circle one): ☒ ACCEPTED ☐ DENIED If denied, why? \_\_\_\_\_

NAME (PRINT) \_\_\_\_\_ DATE \_\_\_\_\_ TITLE \_\_\_\_\_ SIGNATURE \_\_\_\_\_





# NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Kurt Kato

Phone No. \_\_\_\_\_

## GENERATOR

NO. **HW-724108**

Generator Manifest # \_\_\_\_\_

Location of Origin LA 42 Bally

Generator Name X70

Lease/Well Name & No. Pin: #031455552

Address \_\_\_\_\_

County LA 2705481214482702545515

City, State, Zip \_\_\_\_\_

API No. CA 1055331021

Phone No. \_\_\_\_\_

Rig Name & No. LA 2126047300

AFE/PO No. \_\_\_\_\_

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms		
E&P Contaminated Soil	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
Gas Plant Waste	Truck Washout (exempt waste)	YES NO QUANTITY TOP SOIL CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information

☐ RCRA Hazardous Waste Analysis

☐ Other (Provide Description Below)

☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name SanTex Mex

Driver's Name Cornelio

Address \_\_\_\_\_

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Truck No. 07

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Name/Permit No. Halfway Facility / NM1-006  
Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐

If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

PASS THE PAINT FILTER TEST? (Circle One) YES ☐ NO ☒

## TANK BOTTOMS

	Feet	Inches
Guage		
d Guage		
ceived		

BS&W/BBLs Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED ☒ DENIED ☐ If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kent Ratz

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **HW-724107**

Generator Manifest # \_\_\_\_\_

Generator Name XTO

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Location of Origin Ugall 42 Pad Hwy

Lease/Well \_\_\_\_\_

Name & No. Prod 403C155552

County LaPP 2307349121 LaPP 23073495515

API No. 661053831001

Rig Name & No. EAPP 2126047300

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	<u>Belludump</u>
Tank Bottoms	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	Truck Washout (exempt waste)	YES NO QUANTITY TOP SOIL CALICHE
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 CY - YARDS E - EACH

I hereby certify that the above listed material(s) is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Sam Tex Mex

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name Cornelia

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. 07

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. \_\_\_\_\_

Site Name/Permit No. Halfway Facility / NM1-006

Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

## TANK BOTTOMS

	Feet	Inches	BS&W/BBLS Received	BS&W (%)
1st Gauge				
2nd Gauge			Free Water	
3rd Gauge			Total Received	

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Company Man Contact Information  
Name Kent Ratz  
Phone No. \_\_\_\_\_

GENERATOR

NO. **HW-724106**

Generator Manifest # \_\_\_\_\_  
Generator Name KTO  
Address \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Phone No. \_\_\_\_\_

Location of Origin ASH 42 Battery  
Lease/Well \_\_\_\_\_  
Name & No. Re: 4031554557  
County LAR 230334821 LAPP 2302545515  
API No. 21105593101  
Rig Name & No. LAPP 212047300  
AFE/PO No. \_\_\_\_\_

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)			
Oil Based Muds	_____	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____
Tank Bottoms	_____	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES NO QUANTITY TOP SOIL CALICHE
Gas Plant Waste	_____		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCUP), ignitability, Corrosivity and Reactivity.  
Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 205 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENT'S SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

TRANSPORTER

Transporter's Name Sentex Inc  
Address \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Transporter Ticket # \_\_\_\_\_

Driver's Name Cornelio  
Print Name \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Truck No. 03

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_ DRIVER'S SIGNATURE \_\_\_\_\_ DELIVERY DATE 12-17-24 DRIVER'S SIGNATURE \_\_\_\_\_

TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
IN: _____ OUT: _____	Name/No. <u>22</u>	

Facility Name/Permit No./Address Halfway Facility / NM1-006  
6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220  
Phone No. 575-392-6368  
NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐  
PASS THE PAINT FILTER TEST? (Circle One) YES ☒ NO ☐  
If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

TANK BOTTOMS

Feet	Inches	BS&W/BBLS Received	BS&W (%)
1 Gauge	_____	Free Water	_____
2 Gauge	_____	Total Received	_____
3 Gauge	_____		

I hereby certify that the above load material has been (circle one): ACCEPTED ☒ DENIED ☐  
If denied, why? ADRY  
NAME (PRINT) Alcyandra R DATE 12/17/24 TITLE \_\_\_\_\_ SIGNATURE \_\_\_\_\_





## APPENDIX E

### Laboratory Analytical Reports & Chain of Custody Documentation

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

December 04, 2024

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: NASH 42 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/03/24 14:34.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: PH 02 0.5' (H247345-01)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	1.92		
Toluene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	1.04		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	2.01		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.82	97.1	6.00	2.25		
Total BTEX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2280	16.0	12/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	199	99.4	200	2.68	
DRO >C10-C28*	37.7	10.0	12/04/2024	ND	182	91.1	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 79.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: PH 02A 1' (H247345-02)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	1.92		
Toluene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	1.04		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	2.01		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.82	97.1	6.00	2.25		
Total BTEX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	12/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	199	99.4	200	2.68	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.1	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: PH 02B 2' (H247345-03)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	1.92		
Toluene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	1.04		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	2.01		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.82	97.1	6.00	2.25		
Total BTEX	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	12/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	199	99.4	200	2.68	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.1	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: PH 02C 3' (H247345-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	1.92		
Toluene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	1.04		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	2.01		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.82	97.1	6.00	2.25		
Total BTEX	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	12/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	199	99.4	200	2.68	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.1	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: PH 02D 4' (H247345-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	2.35		
Toluene*	<0.050	0.050	12/04/2024	ND	2.16	108	2.00	1.73		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.15	107	2.00	1.86		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.39	106	6.00	1.82		
Total BTEX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	199	99.4	200	2.68	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.1	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: PH 02E 5' (H247345-06)**

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	2.09	105	2.00	2.35		
Toluene*	<0.050	0.050	12/04/2024	ND	2.16	108	2.00	1.73		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.15	107	2.00	1.86		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.39	106	6.00	1.82		
Total BTEX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	12/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	199	99.4	200	2.68	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.1	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: PH 02F 6' (H247345-07)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	2.35	
Toluene*	<0.050	0.050	12/04/2024	ND	2.16	108	2.00	1.73	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.15	107	2.00	1.86	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.39	106	6.00	1.82	
Total BTEx	<0.300	0.300	12/04/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	199	99.4	200	2.68	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.1	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: PH 02G 7' (H247345-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	2.35		
Toluene*	<0.050	0.050	12/04/2024	ND	2.16	108	2.00	1.73		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.15	107	2.00	1.86		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.39	106	6.00	1.82		
Total BTEX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	199	99.4	200	2.68	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.1	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 82.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: PH 02H 8' (H247345-09)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	2.35		
Toluene*	<0.050	0.050	12/04/2024	ND	2.16	108	2.00	1.73		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.15	107	2.00	1.86		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.39	106	6.00	1.82		
Total BTEX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	12/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	199	99.4	200	2.68	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.1	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: PH 02I 9' (H247345-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	2.35		
Toluene*	<0.050	0.050	12/04/2024	ND	2.16	108	2.00	1.73		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.15	107	2.00	1.86		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.39	106	6.00	1.82		
Total BTEX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	12/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	199	99.4	200	2.68	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.1	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: PH 02J 10' (H247345-11)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.09	105	2.00	2.35		
Toluene*	<0.050	0.050	12/04/2024	ND	2.16	108	2.00	1.73		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.15	107	2.00	1.86		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.39	106	6.00	1.82		
Total BTEx	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	12/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	217	109	200	3.61	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	205	103	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

Sampling Date: 12/03/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: PH 02K 11' (H247345-12)**

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	2.09	105	2.00	2.35		
Toluene*	<0.050	0.050	12/04/2024	ND	2.16	108	2.00	1.73		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.15	107	2.00	1.86		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.39	106	6.00	1.82		
Total BTEx	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	12/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	217	109	200	3.61	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	205	103	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

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

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

---

Celey D. Keene, Lab Director/Quality Manager





1 of 2

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G) RAB OR (C) OM	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	BTEX	TPH	CHLORIDE
1247345	PH02	0.5		6										11-1-24	725			
	PH02A	1		1											730			
	PH02B	2													935			
	PH02C	3													940			
	PH02D	4													945			
	PH02E	5													950			
	PH02F	6													952			
	PH02G	7													955			
	PH02H	8													1000			
	PH02I	9													1005			

† Cardinal cannot accept verbal changes. Please email changes to [cardinal@cardinal.com](mailto:cardinal@cardinal.com)



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

<b>Company Name:</b> Ensochem, LLC				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>			
<b>Project Manager:</b> Tracy Hillard				<b>P.O. #:</b>				<b>Company:</b> XTO Energy Inc.			
<b>Address:</b> 3122 National Parks Hwy				<b>Attn:</b> Colton Brown				<b>Address:</b> 3104 E. Green St			
<b>City:</b> Carlsbad				<b>State:</b> NM <b>Zip:</b> 88220				<b>City:</b> Carlsbad			
<b>Phone #:</b> 337 257-8307				<b>Fax #:</b>				<b>State:</b> NM <b>Zip:</b> 88220			
<b>Project #:</b> 03C1558552				<b>Project Owner:</b> XTO				<b>Phone #:</b>			
<b>Project Name:</b> Nash 42 Battery				<b>Matrix:</b>				<b>DATE</b> <b>TIME</b>			
<b>Project Location:</b>				<b>GROUNDWATER</b>				<b>DATE</b> <b>TIME</b>			
<b>Sampler Name:</b> Connor Whitman				<b>WASTEWATER</b>				<b>DATE</b> <b>TIME</b>			
<b>FROM LAB USE ONLY</b>				<b>SOIL</b>				<b>DATE</b> <b>TIME</b>			
<b>Lab I.D.</b>				<b>SLUDGE</b>				<b>DATE</b> <b>TIME</b>			
<b>Sample I.D.</b>				<b>OTHER</b>				<b>DATE</b> <b>TIME</b>			
<b>Sample Depth (feet)</b>				<b>ACID/BASE:</b>				<b>DATE</b> <b>TIME</b>			
<b>PH025</b>				<b>ICE / COOL</b>				<b>DATE</b> <b>TIME</b>			
<b>PH02K</b>				<b>OTHER</b>				<b>DATE</b> <b>TIME</b>			
<b>11</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>12</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>10</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>11</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>12</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>10</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>11</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>12</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>10</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>11</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>12</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>10</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>11</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>12</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>10</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>11</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>12</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>10</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>11</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>12</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>10</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>11</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>12</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>10</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>11</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>12</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>10</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>11</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>12</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>10</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>11</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>12</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>10</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>11</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>12</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>10</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>11</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>12</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>10</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>11</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>12</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>10</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>11</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>12</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
<b>10</b>				<b>DATE</b> <b>TIME</b>				<b>DATE</b> <b>TIME</b>			
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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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December 04, 2024

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: NASH 42 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/03/24 13:49.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

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

**Sample ID: PH 03 0.5' (H247335-01)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.15	108	2.00	3.54		
Toluene*	<0.050	0.050	12/04/2024	ND	2.21	110	2.00	3.76		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.32	116	2.00	5.26		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.91	115	6.00	7.07		
Total BTX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/04/2024	ND	464	116	400	3.51		

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	195	97.5	200	4.43	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	190	95.2	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

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

**Sample ID: PH 03A 1' (H247335-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.15	108	2.00	3.54		
Toluene*	<0.050	0.050	12/04/2024	ND	2.21	110	2.00	3.76		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.32	116	2.00	5.26		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.91	115	6.00	7.07		
Total BTEX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	12/04/2024	ND	464	116	400	3.51		

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	195	97.5	200	4.43	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	190	95.2	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

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

**Sample ID: PH 03B 2' (H247335-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.15	108	2.00	3.54		
Toluene*	<0.050	0.050	12/04/2024	ND	2.21	110	2.00	3.76		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.32	116	2.00	5.26		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.91	115	6.00	7.07		
Total BTEX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	12/04/2024	ND	464	116	400	3.51		

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	195	97.5	200	4.43	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	190	95.2	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

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

**Sample ID: PH 03C 3' (H247335-04)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.15	108	2.00	3.54		
Toluene*	<0.050	0.050	12/04/2024	ND	2.21	110	2.00	3.76		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.32	116	2.00	5.26		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.91	115	6.00	7.07		
Total BTEX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	12/04/2024	ND	464	116	400	3.51		

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	195	97.5	200	4.43	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	190	95.2	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

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

**Sample ID: PH 03D 4' (H247335-05)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.15	108	2.00	3.54		
Toluene*	<0.050	0.050	12/04/2024	ND	2.21	110	2.00	3.76		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.32	116	2.00	5.26		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.91	115	6.00	7.07		
Total BTEX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	12/04/2024	ND	464	116	400	3.51		

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	195	97.5	200	4.43	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	190	95.2	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

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

**Sample ID: PH 03E 5' (H247335-06)**

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	2.15	108	2.00	3.54		
Toluene*	<0.050	0.050	12/04/2024	ND	2.21	110	2.00	3.76		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.32	116	2.00	5.26		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.91	115	6.00	7.07		
Total BTEX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	12/04/2024	ND	464	116	400	3.51		

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	195	97.5	200	4.43	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	190	95.2	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

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

**Sample ID: PH 03F 6' (H247335-07)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.15	108	2.00	3.54		
Toluene*	<0.050	0.050	12/04/2024	ND	2.21	110	2.00	3.76		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	2.32	116	2.00	5.26		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	6.91	115	6.00	7.07		
Total BTX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	12/04/2024	ND	464	116	400	3.51		

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	195	97.5	200	4.43	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	190	95.2	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

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

**Sample ID: PH 03G 7' (H247335-08)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	1.92	
Toluene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	1.04	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	2.01	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.82	97.1	6.00	2.25	
Total BTEX	<0.300	0.300	12/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/04/2024	ND	464	116	400	3.51		

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	195	97.5	200	4.43	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	190	95.2	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

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

**Sample ID: PH 03H 8' (H247335-09)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	1.92		
Toluene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	1.04		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	2.01		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.82	97.1	6.00	2.25		
Total BTEX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/04/2024	ND	464	116	400	3.51		

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	195	97.5	200	4.43	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	190	95.2	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

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

**Sample ID: PH 03I 9' (H247335-10)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	1.92		
Toluene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	1.04		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	2.01		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.82	97.1	6.00	2.25		
Total BTEX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/04/2024	ND	464	116	400	3.51		

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	195	97.5	200	4.43	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	190	95.2	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

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

**Sample ID: PH 03J 10' (H247335-11)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	1.92		
Toluene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	1.04		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	2.01		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.82	97.1	6.00	2.25		
Total BTEx	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/04/2024	ND	464	116	400	3.51		

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	195	97.5	200	4.43	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	190	95.2	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

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

**Sample ID: PH 01 0.5' (H247335-12)**

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	2.04	102	2.00	1.92		
Toluene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	1.04		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	2.01		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.82	97.1	6.00	2.25		
Total BTEX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/04/2024	ND	464	116	400	3.51		

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	195	97.5	200	4.43	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	190	95.2	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

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

**Sample ID: PH 01A 1' (H247335-13)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	1.92		
Toluene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	1.04		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	2.01		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.82	97.1	6.00	2.25		
Total BTEX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/04/2024	ND	464	116	400	3.51	

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	195	97.5	200	4.43	
DRO >C10-C28*	201	10.0	12/03/2024	ND	190	95.2	200	3.04	
EXT DRO >C28-C36	93.9	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

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

**Sample ID: PH 01B 2' (H247335-14)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	1.92		
Toluene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	1.04		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	2.01		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.82	97.1	6.00	2.25		
Total BTEX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	12/04/2024	ND	464	116	400	3.51		

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	195	97.5	200	4.43	
DRO >C10-C28*	209	10.0	12/03/2024	ND	190	95.2	200	3.04	
EXT DRO >C28-C36	103	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

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

**Sample ID: PH 01C 3' (H247335-15)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	1.92	
Toluene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	1.04	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	2.01	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.82	97.1	6.00	2.25	
Total BTX	<0.300	0.300	12/04/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	12/04/2024	ND	464	116	400	3.51		

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	195	97.5	200	4.43	
DRO >C10-C28*	574	10.0	12/04/2024	ND	190	95.2	200	3.04	
EXT DRO >C28-C36	179	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

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

**Sample ID: PH 01D 4' (H247335-16)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	1.92		
Toluene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	1.04		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	2.01		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.82	97.1	6.00	2.25		
Total BTEX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	12/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	195	97.5	200	4.43	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	190	95.2	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

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

**Sample ID: PH 01E 5' (H247335-17)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	1.92		
Toluene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	1.04		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	2.01		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.82	97.1	6.00	2.25		
Total BTEX	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	12/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	195	97.5	200	4.43	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	190	95.2	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

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

**Sample ID: PH 01F 6' (H247335-18)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	1.92		
Toluene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	1.04		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	2.01		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.82	97.1	6.00	2.25		
Total BTEX	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	12/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	195	97.5	200	4.43	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	190	95.2	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

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

**Sample ID: PH 01G 7' (H247335-19)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	1.92		
Toluene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	1.04		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	2.01		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.82	97.1	6.00	2.25		
Total BTEX	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	12/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	195	97.5	200	4.43	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	190	95.2	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

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

**Sample ID: PH 01H 8' (H247335-20)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	1.92		
Toluene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	1.04		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	2.01		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.82	97.1	6.00	2.25		
Total BTEX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	12/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	195	97.5	200	4.43	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	190	95.2	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

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

**Sample ID: PH 01I 9' (H247335-21)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	1.92		
Toluene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	1.04		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	2.01		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.82	97.1	6.00	2.25		
Total BTEX	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	12/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2024	ND	199	99.4	200	2.68	
DRO >C10-C28*	<10.0	10.0	12/03/2024	ND	182	91.1	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	12/03/2024	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

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

**Sample ID: PH 01J 10' (H247335-22)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	1.92		
Toluene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	1.04		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	2.01		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.82	97.1	6.00	2.25		
Total BTEx	<0.300	0.300	12/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	12/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	199	99.4	200	2.68	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.1	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/03/2024  
Reported: 12/04/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

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

**Sample ID: PH 01K 11' (H247335-23)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.04	102	2.00	1.92		
Toluene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	1.04		
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.95	97.6	2.00	2.01		
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.82	97.1	6.00	2.25		
Total BTX	<0.300	0.300	12/04/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	12/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	199	99.4	200	2.68	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.1	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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### Notes and Definitions

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

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A handwritten signature in cursive script, appearing to read "Cley D. Keene", written in black ink.

---

Celey D. Keene, Lab Director/Quality Manager



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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 3

† Cardinal cannot accept verbal changes. Please email changes to [colyn.keene@cardinaldm.com](mailto:colyn.keene@cardinaldm.com)





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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 3



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3.73

<b>Company Name:</b> Ensign, LLC <b>Project Manager:</b> Tracy Hillard <b>Address:</b> 3122 National Parks Hwy <b>City:</b> Carlsbad <b>State:</b> NM <b>Zip:</b> 88220 <b>Phone #:</b> 337 257-8307 <b>Fax #:</b> <b>Project #:</b> 03C1558552 <b>Project Owner:</b> XTO <b>Project Name:</b> Nash 42 Battery <b>Project Location:</b> <b>Sampler Name:</b> Corinne Whitman <b>Lab I.D.:</b> H247335		<b>P.O. #:</b> <b>Company:</b> XTO Energy Inc. <b>Attn:</b> Colton Brown <b>Address:</b> 3104 E. Green St. <b>City:</b> Carlsbad <b>State:</b> NM <b>Zip:</b> 88220 <b>Phone #:</b> <b>Fax #:</b>	
<b>FROM LAB USE ONLY</b> <b>Sample I.D.:</b> <b>Sample Depth (feet):</b> <b>(G)RAB OR (C)OMP:</b> <b># CONTAINERS:</b> <b>MATRIX:</b> GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: <b>PRESERV:</b> ACID/BASE ICE / COOL OTHER: <b>SAMPLING:</b> <b>DATE:</b> <b>TIME:</b>		<b>BTEX</b> <b>TPH</b> <b>CHLORIDE</b>	
<b>Lab I.D.:</b> H247335 <b>Sample I.D.:</b> 21 <b>Sample Depth (feet):</b> 9 <b>(G)RAB OR (C)OMP:</b> G <b># CONTAINERS:</b> 1 <b>MATRIX:</b> GROUNDWATER <b>PRESERV:</b> ACID/BASE <b>SAMPLING:</b> 12-2-24 13:00		<b>BTEX</b> <b>TPH</b> <b>CHLORIDE</b>	
<b>Lab I.D.:</b> H247335 <b>Sample I.D.:</b> 22 <b>Sample Depth (feet):</b> 10 <b>(G)RAB OR (C)OMP:</b> G <b># CONTAINERS:</b> 1 <b>MATRIX:</b> GROUNDWATER <b>PRESERV:</b> ACID/BASE <b>SAMPLING:</b> 12-2-24 13:12		<b>BTEX</b> <b>TPH</b> <b>CHLORIDE</b>	
<b>Lab I.D.:</b> H247335 <b>Sample I.D.:</b> 23 <b>Sample Depth (feet):</b> 11 <b>(G)RAB OR (C)OMP:</b> G <b># CONTAINERS:</b> 1 <b>MATRIX:</b> GROUNDWATER <b>PRESERV:</b> ACID/BASE <b>SAMPLING:</b> 12-2-24 13:25		<b>BTEX</b> <b>TPH</b> <b>CHLORIDE</b>	
<b>REMARKS:</b> CW			
<b>Delivered By:</b> (Circle One) <b>Sampler - UPS - Bus - Other:</b>		<b>Turnaround Time:</b> <b>Standard</b> <input type="checkbox"/> <b>Expedited</b> <input checked="" type="checkbox"/>	
<b>Relinquished By:</b>		<b>Remarks:</b>	
<b>Date:</b> 12-3-24 <b>Received By:</b>		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>Add'l Phone #:</b>	
<b>Date:</b> 12-3-24 <b>Received By:</b>		<b>Remarks:</b>	
<b>Delivered By:</b> (Circle One) <b>Sampler - UPS - Bus - Other:</b>		<b>Turnaround Time:</b> <b>Standard</b> <input type="checkbox"/> <b>Expedited</b> <input checked="" type="checkbox"/>	
<b>Relinquished By:</b>		<b>Remarks:</b>	





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December 09, 2024

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: NASH 42 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/06/24 15:05.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/06/2024  
Reported: 12/09/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

Sampling Date: 12/06/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: FS 01 10' (H247437-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/07/2024	ND	2.16	108	2.00	7.09	
Toluene*	<0.050	0.050	12/07/2024	ND	2.06	103	2.00	5.37	
Ethylbenzene*	<0.050	0.050	12/07/2024	ND	2.06	103	2.00	4.39	
Total Xylenes*	<0.150	0.150	12/07/2024	ND	6.12	102	6.00	4.27	
Total BTX	<0.300	0.300	12/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	960	16.0	12/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/06/2024	ND	221	111	200	0.311	
DRO >C10-C28*	<10.0	10.0	12/06/2024	ND	231	116	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	12/06/2024	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/06/2024  
Reported: 12/09/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

Sampling Date: 12/06/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW 01 0-10' (H247437-02)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/07/2024	ND	2.16	108	2.00	7.09		
Toluene*	<0.050	0.050	12/07/2024	ND	2.06	103	2.00	5.37		
Ethylbenzene*	<0.050	0.050	12/07/2024	ND	2.06	103	2.00	4.39		
Total Xylenes*	<0.150	0.150	12/07/2024	ND	6.12	102	6.00	4.27		
Total BTEX	<0.300	0.300	12/07/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	12/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/06/2024	ND	221	111	200	0.311	
DRO >C10-C28*	<10.0	10.0	12/06/2024	ND	231	116	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	12/06/2024	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/06/2024  
Reported: 12/09/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO

Sampling Date: 12/06/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW 02 0-10' (H247437-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/07/2024	ND	2.16	108	2.00	7.09		
Toluene*	<0.050	0.050	12/07/2024	ND	2.06	103	2.00	5.37		
Ethylbenzene*	<0.050	0.050	12/07/2024	ND	2.06	103	2.00	4.39		
Total Xylenes*	<0.150	0.150	12/07/2024	ND	6.12	102	6.00	4.27		
Total BTEX	<0.300	0.300	12/07/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	12/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/06/2024	ND	221	111	200	0.311	
DRO >C10-C28*	<10.0	10.0	12/06/2024	ND	231	116	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	12/06/2024	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





---

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---

### Notes and Definitions

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

---

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

---

Celey D. Keene, Lab Director/Quality Manager



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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

lot 1





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

December 11, 2024

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: NASH 42 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/10/24 14:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/10/2024  
Reported: 12/11/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO 32.30648,-103.92818

Sampling Date: 12/09/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: FS 01 (H247471-01)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2024	ND	1.63	81.7	2.00	16.0	
Toluene*	<0.050	0.050	12/10/2024	ND	1.74	86.9	2.00	3.19	
Ethylbenzene*	<0.050	0.050	12/10/2024	ND	1.74	87.1	2.00	0.916	
Total Xylenes*	<0.150	0.150	12/10/2024	ND	5.21	86.9	6.00	0.380	
Total BTEX	<0.300	0.300	12/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	12/11/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2024	ND	236	118	200	1.40	
DRO >C10-C28*	<10.0	10.0	12/10/2024	ND	233	117	200	0.669	
EXT DRO >C28-C36	<10.0	10.0	12/10/2024	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/10/2024  
Reported: 12/11/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO 32.30648,-103.92818

Sampling Date: 12/09/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: FS 02 (H247471-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/10/2024	ND	1.63	81.7	2.00	16.0		
Toluene*	<0.050	0.050	12/10/2024	ND	1.74	86.9	2.00	3.19		
Ethylbenzene*	<0.050	0.050	12/10/2024	ND	1.74	87.1	2.00	0.916		
Total Xylenes*	<0.150	0.150	12/10/2024	ND	5.21	86.9	6.00	0.380		
Total BTEX	<0.300	0.300	12/10/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	12/11/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2024	ND	236	118	200	1.40	
DRO >C10-C28*	<10.0	10.0	12/10/2024	ND	233	117	200	0.669	
EXT DRO >C28-C36	<10.0	10.0	12/10/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/10/2024  
Reported: 12/11/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO 32.30648,-103.92818

Sampling Date: 12/09/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW 05 (H247471-03)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2024	ND	1.63	81.7	2.00	16.0	
Toluene*	<0.050	0.050	12/10/2024	ND	1.74	86.9	2.00	3.19	
Ethylbenzene*	<0.050	0.050	12/10/2024	ND	1.74	87.1	2.00	0.916	
Total Xylenes*	<0.150	0.150	12/10/2024	ND	5.21	86.9	6.00	0.380	
Total BTEX	<0.300	0.300	12/10/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	12/11/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2024	ND	236	118	200	1.40	
DRO >C10-C28*	11.7	10.0	12/10/2024	ND	233	117	200	0.669	
EXT DRO >C28-C36	<10.0	10.0	12/10/2024	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

---

Celey D. Keene, Lab Director/Quality Manager

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

Lab I.D. \_\_\_\_\_

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December 12, 2024

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: NASH 42 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/11/24 15:21.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/11/2024  
Reported: 12/12/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO 32.30648,-103.92818

Sampling Date: 12/11/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 03A 11 (H247507-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2024	ND	2.17	109	2.00	3.32	
Toluene*	<0.050	0.050	12/11/2024	ND	2.22	111	2.00	4.64	
Ethylbenzene*	<0.050	0.050	12/11/2024	ND	2.16	108	2.00	5.04	
Total Xylenes*	<0.150	0.150	12/11/2024	ND	6.75	112	6.00	4.21	
Total BTX	<0.300	0.300	12/11/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	12/12/2024	ND	464	116	400	3.51		

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	12/11/2024	ND	190	94.8	200	2.51	
DRO >C10-C28*	<10.0	10.0	12/11/2024	ND	180	90.0	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	12/11/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/11/2024  
Reported: 12/12/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO 32.30648,-103.92818

Sampling Date: 12/11/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 04 10 (H247507-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2024	ND	2.17	109	2.00	3.32		
Toluene*	<0.050	0.050	12/11/2024	ND	2.22	111	2.00	4.64		
Ethylbenzene*	<0.050	0.050	12/11/2024	ND	2.16	108	2.00	5.04		
Total Xylenes*	<0.150	0.150	12/11/2024	ND	6.75	112	6.00	4.21		
Total BTEX	<0.300	0.300	12/11/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	12/12/2024	ND	464	116	400	3.51		

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	12/11/2024	ND	190	94.8	200	2.51	
DRO >C10-C28*	<10.0	10.0	12/11/2024	ND	180	90.0	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	12/11/2024	ND					

Surrogate: 1-Chlorooctane 132 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/11/2024  
Reported: 12/12/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO 32.30648,-103.92818

Sampling Date: 12/11/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 05 10 (H247507-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2024	ND	2.17	109	2.00	3.32		
Toluene*	<0.050	0.050	12/11/2024	ND	2.22	111	2.00	4.64		
Ethylbenzene*	<0.050	0.050	12/11/2024	ND	2.16	108	2.00	5.04		
Total Xylenes*	<0.150	0.150	12/11/2024	ND	6.75	112	6.00	4.21		
Total BTEX	<0.300	0.300	12/11/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	12/12/2024	ND	464	116	400	3.51		

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	12/11/2024	ND	190	94.8	200	2.51	
DRO >C10-C28*	<10.0	10.0	12/11/2024	ND	180	90.0	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	12/11/2024	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/11/2024  
Reported: 12/12/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO 32.30648,-103.92818

Sampling Date: 12/11/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 06 8 (H247507-04)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2024	ND	2.17	109	2.00	3.32	
Toluene*	<0.050	0.050	12/11/2024	ND	2.22	111	2.00	4.64	
Ethylbenzene*	<0.050	0.050	12/11/2024	ND	2.16	108	2.00	5.04	
Total Xylenes*	<0.150	0.150	12/11/2024	ND	6.75	112	6.00	4.21	
Total BTX	<0.300	0.300	12/11/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	12/12/2024	ND	464	116	400	3.51	

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	12/11/2024	ND	190	94.8	200	2.51	
DRO >C10-C28*	<10.0	10.0	12/11/2024	ND	180	90.0	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	12/11/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/11/2024  
Reported: 12/12/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO 32.30648,-103.92818

Sampling Date: 12/11/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 07 8 (H247507-05)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2024	ND	2.17	109	2.00	3.32		
Toluene*	<0.050	0.050	12/11/2024	ND	2.22	111	2.00	4.64		
Ethylbenzene*	<0.050	0.050	12/11/2024	ND	2.16	108	2.00	5.04		
Total Xylenes*	<0.150	0.150	12/11/2024	ND	6.75	112	6.00	4.21		
Total BTEX	<0.300	0.300	12/11/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	12/12/2024	ND	464	116	400	3.51		

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	12/11/2024	ND	190	94.8	200	2.51	
DRO >C10-C28*	<10.0	10.0	12/11/2024	ND	180	90.0	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	12/11/2024	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/11/2024  
Reported: 12/12/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO 32.30648,-103.92818

Sampling Date: 12/11/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 08 8 (H247507-06)**

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	12/11/2024	ND	2.17	109	2.00	3.32		
Toluene*	<0.050	0.050	12/11/2024	ND	2.22	111	2.00	4.64		
Ethylbenzene*	<0.050	0.050	12/11/2024	ND	2.16	108	2.00	5.04		
Total Xylenes*	<0.150	0.150	12/11/2024	ND	6.75	112	6.00	4.21		
Total BTEX	<0.300	0.300	12/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	12/12/2024	ND	464	116	400	3.51		

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	12/11/2024	ND	190	94.8	200	2.51	
DRO >C10-C28*	<10.0	10.0	12/11/2024	ND	180	90.0	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	12/11/2024	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/11/2024  
Reported: 12/12/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO 32.30648,-103.92818

Sampling Date: 12/11/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 09 8 (H247507-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2024	ND	2.17	109	2.00	3.32		
Toluene*	<0.050	0.050	12/11/2024	ND	2.22	111	2.00	4.64		
Ethylbenzene*	<0.050	0.050	12/11/2024	ND	2.16	108	2.00	5.04		
Total Xylenes*	<0.150	0.150	12/11/2024	ND	6.75	112	6.00	4.21		
Total BTEX	<0.300	0.300	12/11/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	12/12/2024	ND	464	116	400	3.51		

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	12/11/2024	ND	190	94.8	200	2.51	
DRO >C10-C28*	<10.0	10.0	12/11/2024	ND	180	90.0	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	12/11/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/11/2024  
Reported: 12/12/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO 32.30648,-103.92818

Sampling Date: 12/11/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 10 6 (H247507-08)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2024	ND	2.17	109	2.00	3.32	
Toluene*	<0.050	0.050	12/11/2024	ND	2.22	111	2.00	4.64	
Ethylbenzene*	<0.050	0.050	12/11/2024	ND	2.16	108	2.00	5.04	
Total Xylenes*	<0.150	0.150	12/11/2024	ND	6.75	112	6.00	4.21	
Total BTEX	<0.300	0.300	12/11/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	12/12/2024	ND	464	116	400	3.51	

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	12/11/2024	ND	190	94.8	200	2.51	
DRO >C10-C28*	<10.0	10.0	12/11/2024	ND	180	90.0	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	12/11/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/11/2024  
Reported: 12/12/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO 32.30648,-103.92818

Sampling Date: 12/11/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 11 6 (H247507-09)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2024	ND	2.17	109	2.00	3.32		
Toluene*	<0.050	0.050	12/11/2024	ND	2.22	111	2.00	4.64		
Ethylbenzene*	<0.050	0.050	12/11/2024	ND	2.16	108	2.00	5.04		
Total Xylenes*	<0.150	0.150	12/11/2024	ND	6.75	112	6.00	4.21		
Total BTEX	<0.300	0.300	12/11/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	12/12/2024	ND	464	116	400	3.51		

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	12/11/2024	ND	190	94.8	200	2.51	
DRO >C10-C28*	<10.0	10.0	12/11/2024	ND	180	90.0	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	12/11/2024	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/11/2024  
Reported: 12/12/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO 32.30648,-103.92818

Sampling Date: 12/11/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 12 6 (H247507-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2024	ND	2.17	109	2.00	3.32		
Toluene*	<0.050	0.050	12/11/2024	ND	2.22	111	2.00	4.64		
Ethylbenzene*	<0.050	0.050	12/11/2024	ND	2.16	108	2.00	5.04		
Total Xylenes*	<0.150	0.150	12/11/2024	ND	6.75	112	6.00	4.21		
Total BTEX	<0.300	0.300	12/11/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	12/12/2024	ND	464	116	400	3.51		

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	12/11/2024	ND	190	94.8	200	2.51	
DRO >C10-C28*	<10.0	10.0	12/11/2024	ND	180	90.0	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	12/11/2024	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/11/2024  
Reported: 12/12/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO 32.30648,-103.92818

Sampling Date: 12/11/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: FS 13 6 (H247507-11)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2024	ND	2.17	109	2.00	3.32		
Toluene*	<0.050	0.050	12/11/2024	ND	2.22	111	2.00	4.64		
Ethylbenzene*	<0.050	0.050	12/11/2024	ND	2.16	108	2.00	5.04		
Total Xylenes*	<0.150	0.150	12/11/2024	ND	6.75	112	6.00	4.21		
Total BTEX	<0.300	0.300	12/11/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	12/12/2024	ND	464	116	400	3.51		

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	12/12/2024	ND	190	94.8	200	2.51	
DRO >C10-C28*	<10.0	10.0	12/12/2024	ND	180	90.0	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	12/12/2024	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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---

### Notes and Definitions

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

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

---

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2478

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]





101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2478

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

---

December 16, 2024

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: NASH 42 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/13/24 15:09.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/13/2024  
Reported: 12/16/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO 32.30648,-103.92818

Sampling Date: 12/12/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: FS 14 11' (H247576-01)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/13/2024	ND	2.09	105	2.00	2.88		
Toluene*	<0.050	0.050	12/13/2024	ND	2.14	107	2.00	2.40		
Ethylbenzene*	<0.050	0.050	12/13/2024	ND	2.07	103	2.00	1.84		
Total Xylenes*	<0.150	0.150	12/13/2024	ND	6.49	108	6.00	1.18		
Total BTX	<0.300	0.300	12/13/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	12/16/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2024	ND	223	111	200	0.343	
DRO >C10-C28*	<10.0	10.0	12/14/2024	ND	203	102	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	12/14/2024	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/13/2024  
Reported: 12/16/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO 32.30648,-103.92818

Sampling Date: 12/12/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SW 03 0-6' (H247576-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/14/2024	ND	2.09	105	2.00	2.88		
Toluene*	<0.050	0.050	12/14/2024	ND	2.14	107	2.00	2.40		
Ethylbenzene*	<0.050	0.050	12/14/2024	ND	2.07	103	2.00	1.84		
Total Xylenes*	<0.150	0.150	12/14/2024	ND	6.49	108	6.00	1.18		
Total BTEx	<0.300	0.300	12/14/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	12/16/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2024	ND	223	111	200	0.343	
DRO >C10-C28*	<10.0	10.0	12/14/2024	ND	203	102	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	12/14/2024	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/13/2024  
Reported: 12/16/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO 32.30648,-103.92818

Sampling Date: 12/12/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SW 04 0-6' (H247576-03)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2024	ND	1.99	99.5	2.00	4.41	
Toluene*	<0.050	0.050	12/13/2024	ND	1.99	99.6	2.00	3.38	
Ethylbenzene*	<0.050	0.050	12/13/2024	ND	2.00	99.8	2.00	3.09	
Total Xylenes*	<0.150	0.150	12/13/2024	ND	6.00	100	6.00	3.14	
Total BTX	<0.300	0.300	12/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	12/16/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2024	ND	223	111	200	0.343	
DRO >C10-C28*	<10.0	10.0	12/14/2024	ND	203	102	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	12/14/2024	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/13/2024  
Reported: 12/16/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO 32.30648,-103.92818

Sampling Date: 12/12/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SW 06 0-6' (H247576-04)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2024	ND	1.99	99.5	2.00	4.41	
Toluene*	<0.050	0.050	12/13/2024	ND	1.99	99.6	2.00	3.38	
Ethylbenzene*	<0.050	0.050	12/13/2024	ND	2.00	99.8	2.00	3.09	
Total Xylenes*	<0.150	0.150	12/13/2024	ND	6.00	100	6.00	3.14	
Total BTEX	<0.300	0.300	12/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	12/16/2024	ND	400	100	400	11.3	

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	12/14/2024	ND	223	111	200	0.343	
DRO >C10-C28*	<10.0	10.0	12/14/2024	ND	203	102	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	12/14/2024	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/13/2024  
Reported: 12/16/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO 32.30648,-103.92818

Sampling Date: 12/12/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SW 07 0-6' (H247576-05)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2024	ND	1.99	99.5	2.00	4.41	
Toluene*	<0.050	0.050	12/13/2024	ND	1.99	99.6	2.00	3.38	
Ethylbenzene*	<0.050	0.050	12/13/2024	ND	2.00	99.8	2.00	3.09	
Total Xylenes*	<0.150	0.150	12/13/2024	ND	6.00	100	6.00	3.14	
Total BTEX	<0.300	0.300	12/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	12/16/2024	ND	400	100	400	11.3	

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	12/14/2024	ND	223	111	200	0.343	
DRO >C10-C28*	<10.0	10.0	12/14/2024	ND	203	102	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	12/14/2024	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/13/2024  
Reported: 12/16/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO 32.30648,-103.92818

Sampling Date: 12/12/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SW 08 0-6' (H247576-06)**

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	12/13/2024	ND	1.99	99.5	2.00	4.41		
Toluene*	<0.050	0.050	12/13/2024	ND	1.99	99.6	2.00	3.38		
Ethylbenzene*	<0.050	0.050	12/13/2024	ND	2.00	99.8	2.00	3.09		
Total Xylenes*	<0.150	0.150	12/13/2024	ND	6.00	100	6.00	3.14		
Total BTEx	<0.300	0.300	12/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	12/16/2024	ND	400	100	400	11.3	

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	12/14/2024	ND	223	111	200	0.343	
DRO >C10-C28*	<10.0	10.0	12/14/2024	ND	203	102	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	12/14/2024	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.4 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/13/2024  
Reported: 12/16/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO 32.30648,-103.92818

Sampling Date: 12/12/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Alyssa Parras

**Sample ID: SW 09 0-6' (H247576-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/13/2024	ND	1.99	99.5	2.00	4.41		
Toluene*	<0.050	0.050	12/13/2024	ND	1.99	99.6	2.00	3.38		
Ethylbenzene*	<0.050	0.050	12/13/2024	ND	2.00	99.8	2.00	3.09		
Total Xylenes*	<0.150	0.150	12/13/2024	ND	6.00	100	6.00	3.14		
Total BTEx	<0.300	0.300	12/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	12/16/2024	ND	400	100	400	11.3	

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	12/14/2024	ND	223	111	200	0.343	
DRO >C10-C28*	<10.0	10.0	12/14/2024	ND	203	102	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	12/14/2024	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

---

### Notes and Definitions

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

---

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

---

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolium, LLC		P.O. #:		ANALYSIS REQUEST	
Project Manager: Tracy Hillard		Company: XTO Energy Inc.			
Address: 3122 National Parks Hwy		Attn: Amy Ruth <sup>MD</sup> / E. Gordon			
City: Carlsbad		Address: 3104 E. Greene St			
Phone #: 575-937-3906		State: NM Zip: 88220			
Fax #: 575-937-3906		City: Carlsbad			
Project #: 03C1558552		State: NM Zip: 88220			
Project Name: Nash 42 Battery		Phone #:			
Project Location: 32 30648, -103.92818		Fax #:			
Sampler Name: Azad Vojdani					

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX							DATE	TIME	BTEX	TPH	CHLORIDE
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE					
1004751	FS14	5-11'	C	1								12-11-24	1046			
1004752	SW03	0-6'	C	1								1054				
1004753	SW04	0-6'	C	1								1058				
1004754	SW06	0-6'	C	1								1210				
1004755	SW09	0-6'	C	1								1220				
1004756	SW08	0-6'	C	1								1232				
1004757	SW09	0-6'	C	1								1236				

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Overseas Temp. °C Carries Temp. °C	Sample Condition Cool Intact Yes <input type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: (Initials)	Turnaround Time: 24 Hrs Standard Rush	Bacteria (only) Sample Condition Cool Intact Yes <input type="checkbox"/> No <input type="checkbox"/>	Observed Temp. °C Corrected Temp. °C
Refiniquished By:	Date: 12-13-24 Time: 1:00 PM	Received By:	REMARKS: Cool Center: 1055831001	Vertical Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add Phone #:	

† Cardinal cannot accept verbal changes. Please email changes to cely.kee@cardinallabsnm.com



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

---

December 23, 2024

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: NASH 42 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/19/24 14:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/19/2024  
Reported: 12/23/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO 32.30648,-103.92818

Sampling Date: 12/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: FS 10B 8' (H247674-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2024	ND	1.78	89.0	2.00	14.3	
Toluene*	<0.050	0.050	12/20/2024	ND	1.74	86.8	2.00	13.6	
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.79	89.3	2.00	11.3	
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.42	90.4	6.00	9.49	
Total BTX	<0.300	0.300	12/20/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	12/20/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	199	99.5	200	2.07	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	200	100	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TRACY HILLARD  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 12/19/2024  
Reported: 12/23/2024  
Project Name: NASH 42 BATTERY  
Project Number: 03C1558552  
Project Location: XTO 32.30648,-103.92818

Sampling Date: 12/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: FS 25 8' (H247674-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2024	ND	1.78	89.0	2.00	14.3		
Toluene*	<0.050	0.050	12/20/2024	ND	1.74	86.8	2.00	13.6		
Ethylbenzene*	<0.050	0.050	12/20/2024	ND	1.79	89.3	2.00	11.3		
Total Xylenes*	<0.150	0.150	12/20/2024	ND	5.42	90.4	6.00	9.49		
Total BTEx	<0.300	0.300	12/20/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	12/20/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	199	99.5	200	2.07	
DRO >C10-C28*	<10.0	10.0	12/20/2024	ND	200	100	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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---

### Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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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Cardinal Laboratories

\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager





1 of 1

Page 5 of 5



## APPENDIX F

July 13, 2023 - *Remediation Work Plan*

---

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

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

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

Incident ID	NAPP2303348121
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party XTO Energy	OGRID 5380
Contact Name Garrett Green	Contact Telephone 575-200-0729
Contact email garrett.green@exxonmobil.com	Incident # (assigned by OCD)
Contact mailing address 3104 E. Greene Street, Carlsbad, New Mexico, 88220	

Location of Release Source

Latitude 32.30648 Longitude -103.92818  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Nash 42 Tank Battery	Site Type Tank Battery
Date Release Discovered 1/27/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
E	18	23S	30E	Eddy

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 10.27	Volume Recovered (bbls) 3.00
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release A pump seal failed, allowing fluids to release to pad. A vacuum truck recovered all standing fluids. A third-party contractor has been retained for remediation purposes.



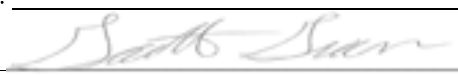
State of New Mexico  
Oil Conservation Division

Incident ID	NAPP2303348121
District RP	
Facility ID	
Application ID	

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

**Initial Response**

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

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: NA	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Garrett Green</u>	Title: <u>SSHE Coordinator</u>
Signature: <u></u>	Date: <u>1/31/2023</u>
email: <u>garrett.green@exxonmobil.com</u>	Telephone: <u>575-200-0729</u>
<b><u>OCD Only</u></b>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>02/03/2023</u>

<b>Location:</b>	<b>Nash 42 Tank Battery</b>	
<b>Spill Date:</b>	<b>1/27/2023</b>	
<b>Area 1</b>		
Approximate Area =	8159.00	sq. ft.
Average Saturation (or depth) of spill =	2.00	inches
Average Porosity Factor =	0.03	
<b>VOLUME OF LEAK</b>		
Total Crude Oil =	0.00	bbls
Total Produced Water =	10.27	bbls
<b>TOTAL VOLUME OF LEAK</b>		
Total Crude Oil =	0.00	bbls
Total Produced Water =	10.27	bbls
<b>TOTAL VOLUME RECOVERED</b>		
Total Crude Oil =	0.00	bbls
Total Produced Water =	3.00	bbls

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 182097

CONDITIONS

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  182097
	Action Type:  [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	2/3/2023





701 Tradewinds Blvd Suite C  
Midland, Texas 79706  
www.ntglobalenviormental.com

July 11, 2023

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

Re: Proposal – XTO Energy, Nash 42 Battery  
nAPP2302545515/nAPP2303348121  
Unit M, Section 18, Township 23S, Range 30E  
Site Coordinates: 32.306531, -103.928012  
Eddy County, New Mexico (State Lands)

Mr. Bratcher:

NTG Environmental, LLC (NTG Environmental) is pleased to provide this proposal to conduct remedial action activities on behalf of XTO Energy (XTO) at the Nash 42 Battery release location in Eddy County, New Mexico (Figures 1 and 2).

### **Scope of Work**

- *Site Walkthrough verifying lines in the area prior to conducting remedial action activities.*
- *Hydrovac all lines in the area with associated pipeline representatives on location during daylight and excavation around the lines – Estimated at 1 day.*
- *Excavate impacted soil install geotechnical liner and transport soils to a permitted disposal facility – Estimated at 12 days. (est. 1,441 Cubic Yards)*

### **Site Characterization**

- *- No Water features within specified radius (NWIS/NWI /USGS) of 1/2-mile*
- *-High Karst*
- *-NMSEO Groundwater is 28' below surface, 0.24 miles Northwest of the site, 2022 drilled, Section 13*
- *-USGS Groundwater is 100' below surface, 1.35 miles Southwest of the site, 1983 drilled, Section 24*

### **Remediation**

NTG Environmental proposes to remediate the release area at the Nash 42 Battery (Site) to satisfy the first 4 foot (ft) below ground surface (bgs.) and install a 20mil polyethylene liner at XTO's request to prevent any further migration of impacts. It is estimated that 1,411 cubic yards (CY) of impacted material be removed in and disposed of, notwithstanding safety precautions such as stepping and sloping the area thus bringing the total amount of excavated material to around 1,800 CY. The proposed excavation areas and depths are shown on Figure 3.

Confirmation samples will be collected following the excavation activities to ensure the removal of impacted soil above the regulatory limits for total petroleum hydrocarbons, benzene, toluene,

---

**Creating a Better Environment  
For Oil & Gas Operations**

Mr. Mike Bratcher  
May 15, 2023  
Page 2 of 2

ethylbenzene, and xylenes (BTEX), and chlorides. The regulatory limits are established in NMAC 19.15.29 Table 1 based on the Site Characterization information attached.

- TPH (GRO + DRO + MRO): 100 mg/kg
- BTEX: 50 mg/kg
- Benzene: 10 mg/kg
- Chlorides: 600 mg/kg

The number of confirmation samples is subject to change based on the final excavation extent. Samples will be collected based on the (200) square foot rule put in place by the NMOCD.

### ***Sample Handling and Analysis***

All samples will be collected and handled with nitrile gloves and placed directly into laboratory-provided sample containers, stored on ice, and transported under proper chain-of-custody protocol to an accredited laboratory for chemical analysis. Samples will be analyzed for one or more of the following constituents of concern (COC):

- Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX): method 8021B
- TPH (GRO + DRO + MRO): method 8015M
- Chloride: method 4500

Upon receipt of final confirmation samples indicating all impacted soils have been successfully removed, a final closure report will be prepared documenting remedial action and confirmation sampling activities for filing with the NMOCD.

### ***Assumptions***

The project is estimated to be completed within 12 field days. No allowance for mechanical breakdowns, malfunctioning equipment, or inclement weather delays are included in the cost estimate. The laboratory, disposal, and NTGE's consulting costs will be invoiced directly to XTO and are not included herein.

### **Closing**

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

Sincerely,  
NTG Environmental



Ethan Sessums  
Project Manager

Attachments: Table  
Figures  
Site Characterization Information  
Photographic Log

**Table**

---



**Table 1**  
**Summary of Soil Analytical Data - Delineation Samples**  
**Nash 42 Battery**  
**XTO Energy**  
**Eddy County, New Mexico**

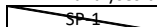
Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO	MRO (C28-C35)	Total GRO/DRO/MRO		
			Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg		600 mg/kg
Delineation Samples														
S-1	3/30/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1420	1420	487	1907	12400	
S-1	3/30/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	109	109	16.1	125.1	3840	
S-1	3/30/2023	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2600	
S-1	3/30/2023	(3-3.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1580	
S-1	3/30/2023	(4-4.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1780	
S-1	3/30/2023	(5-5.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1920	
S-2	3/30/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6160	
S-2	3/30/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4160	
S-2	3/30/2023	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2000	
S-2	3/30/2023	(3-3.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1920	
S-2	3/30/2023	(4-4.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2520	
S-2	3/30/2023	(5-5.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2800	
S-3	3/30/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	43.6	43.6	<10.0	43.6	3400	
S-3	3/30/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.3	10.3	<10.0	10.3	1000	
S-3	3/30/2023	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1250	
S-3	3/30/2023	(3-3.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1150	
S-3	3/30/2023	(4-4.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1470	
S-3	3/30/2023	(5-5.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1520	
TP-1	5/4/2023	(6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1250	
TP-1	5/4/2023	(7')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1150	
TP-1	5/4/2023	(8')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1060	
TP-1	5/4/2023	(9')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	832	
TP-1	5/4/2023	(10')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.7	14.7	<10.0	14.7	960	
TP-2	5/4/2023	(6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432	
TP-2	5/4/2023	(7')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1090	
TP-2	5/4/2023	(8')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1070	
TP-2	5/4/2023	(9')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	736	
TP-2	5/4/2023	(10')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496	
TP-3	5/4/2023	(6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240	
TP-3	5/4/2023	(7')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256	
TP-3	5/4/2023	(8')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176	
TP-3	5/4/2023	(9')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160	
TP-3	5/4/2023	(10')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144	
H-1	3/30/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192	
H-2	3/30/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1820	1820	1670	3490	4960	
H-2A	5/4/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144	
H-3	3/30/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	49.4	49.4	36.6	86	8080	
H-3A	5/4/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176	
H-4	3/30/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	17.6	17.6	7600	

**Table 1**  
**Summary of Soil Analytical Data - Delineation Samples**  
**Nash 42 Battery**  
**XTO Energy**  
**Eddy County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6 C-10)	DRO (C10 C28)	GRO + DRO	MRO (C28 C35)	Total GRO/DRO/MRO	(mg/kg)
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
H-4A	5/4/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
H-5	3/30/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	11600
H-5A	5/4/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
H-6	3/30/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	240	240	182	422	1800

## Notes:

- Values reported in mg/kg
- < = Value Less Than Reporting Limit (RL)
- Bold indicates Analyte Detected
- BTEX analyses by EPA Method SW 8021B
- TPH analyses by EPA Method SW 8015 Mod.
- GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
- Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
- 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).
- Not Analyzed

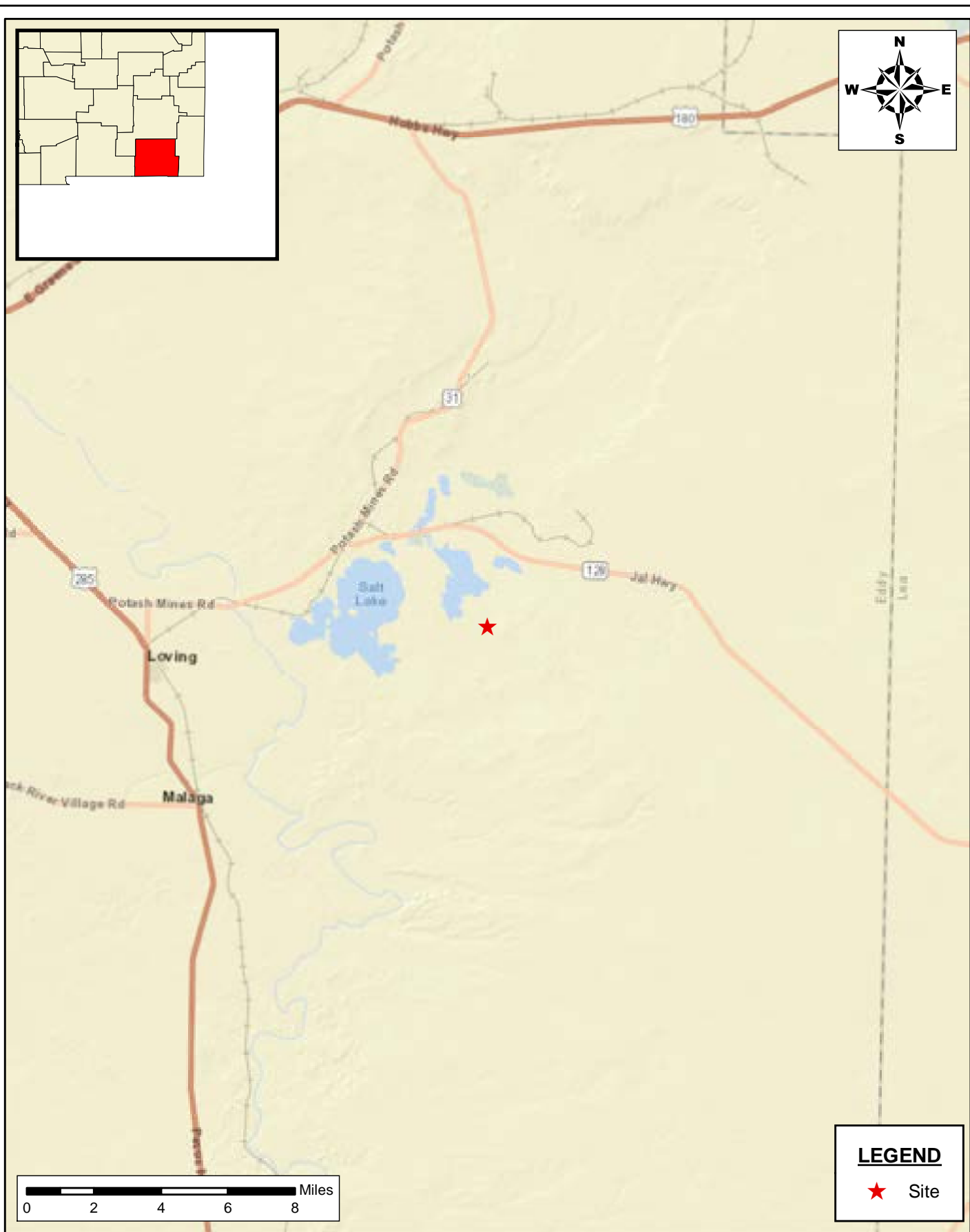
 Sample Point Excavated

## **Figures**


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Document Path: P:\2023 PROJECTS\XTO Energy\RSC\237197 - Nash 42 Battery\7- Figures\GIS\Figure\_1\_Area Map\_DH.mxd

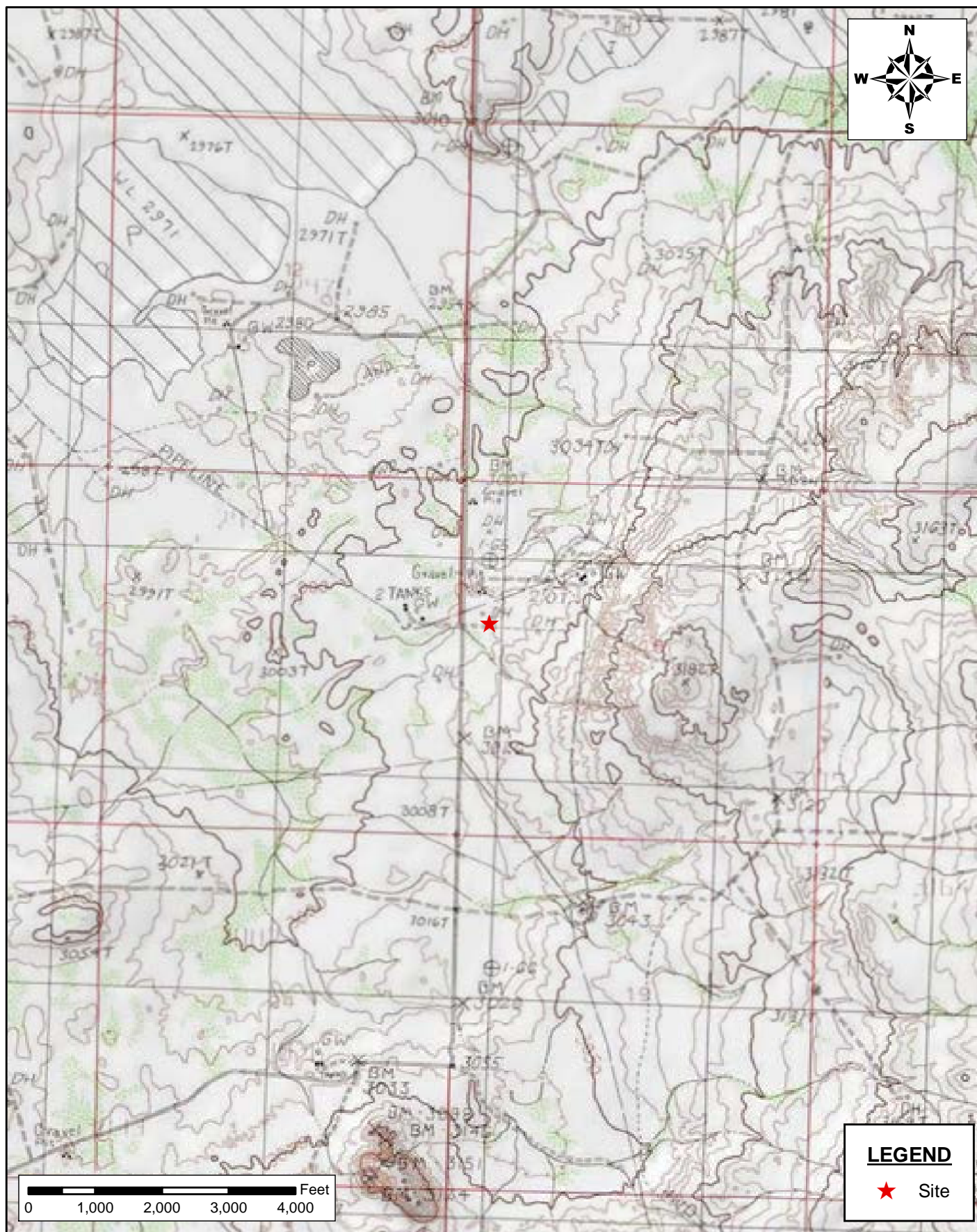


<b>Area Location Map</b> XTO Energy Nash 42 Battery Eddy County, New Mexico 32.30657, -103.92860		
SCALE: As Shown	DATE: 4/12/2023	PROJECT #: 237197

 <b>New Tech Global Environmental, LLC</b> 911 Regional Park Drive Houston, Texas 77060 T - 281.872.9300 F - 281.872.4521 Web: www.ntglobal.com
--

<b>NOTES:</b> 1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983 UTM Zone 13N
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DRAWING NUMBER: <b>FIGURE 1</b>
SHEET NUMBER: <b>1 of 1</b>



Document Path: P:\2023 PROJECTS\XTO Energy\RSC\237197 - Nash 42 Battery\7- Figures\GIS\Figure 2\_topoMap\_DH.mxd

**Topographic Map**  
XTO Energy  
Nash 42 Battery  
Eddy County, New Mexico  
32.30657, -103.92860

SCALE: As Shown

DATE: 4/12/2023

PROJECT #: 237197



**New Tech Global Environmental, LLC**  
911 Regional Park Drive  
Houston, Texas 77060  
T - 281.872.9300  
F - 281.872.4521  
Web: [www.ntglobal.com](http://www.ntglobal.com)

NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

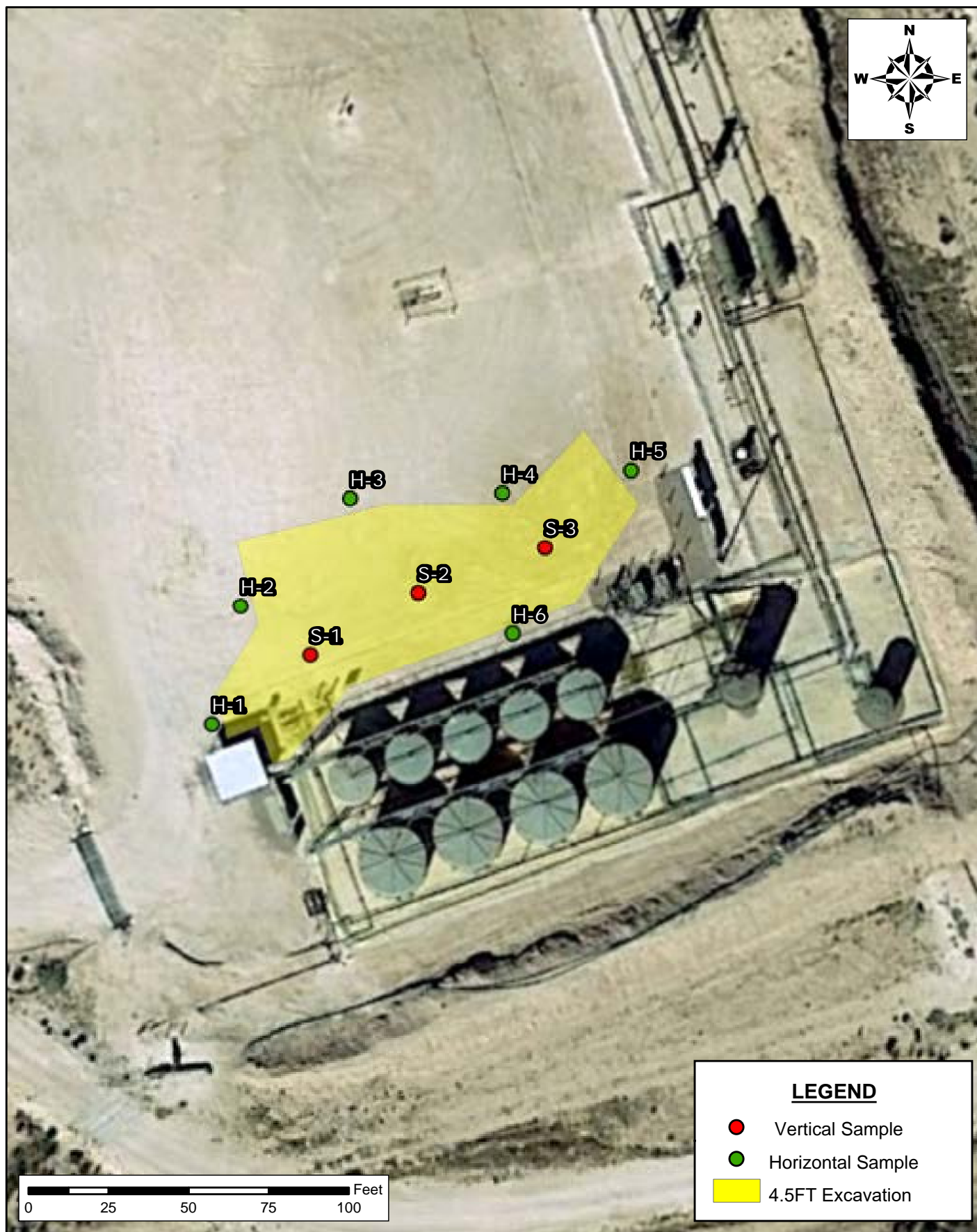
**FIGURE 2**

SHEET NUMBER:

1 of 1



Document Path: P:\2023 PROJECTS\XTO Energy\RSC\237197 - Nash 42 Battery\7- Figures\GIS\Figure\_3\_PEMap\_DH.mxd



<div>SITE MAP</div> <div>XTO Energy</div> <div>Nash 42 Battery</div> <div>Eddy County, New Mexico</div> <div>32.30657, -103.92860</div>			<div></div> <div>New Tech Global Environmental, LLC</div> <div>911 Regional Park Drive</div> <div>Houston, Texas 77060</div> <div>T - 281.872.9300</div> <div>F - 281.872.4521</div> <div>Web: <a href="http://www.ntglobal.com">www.ntglobal.com</a></div>	<div>NOTES:</div> <div>1. Base Image: ESRI Maps &amp; Data 2013</div> <div>2. Map Projection: NAD 1983 UTM Zone 13N</div>	DRAWING NUMBER:
					FIGURE 3
					SHEET NUMBER:
			1 of 1		





## **Site Characterization Information**

---

# Nash 42 Battery

Significant watercourse

## Legend

-  0.5 mile Radius
-  Nash 42 Battery 1\_14\_23 pump





# Nash 42 Battery

dept to water

## Legend



0.5 mile Radius



Nash 42 Battery 1\_14\_23 pump

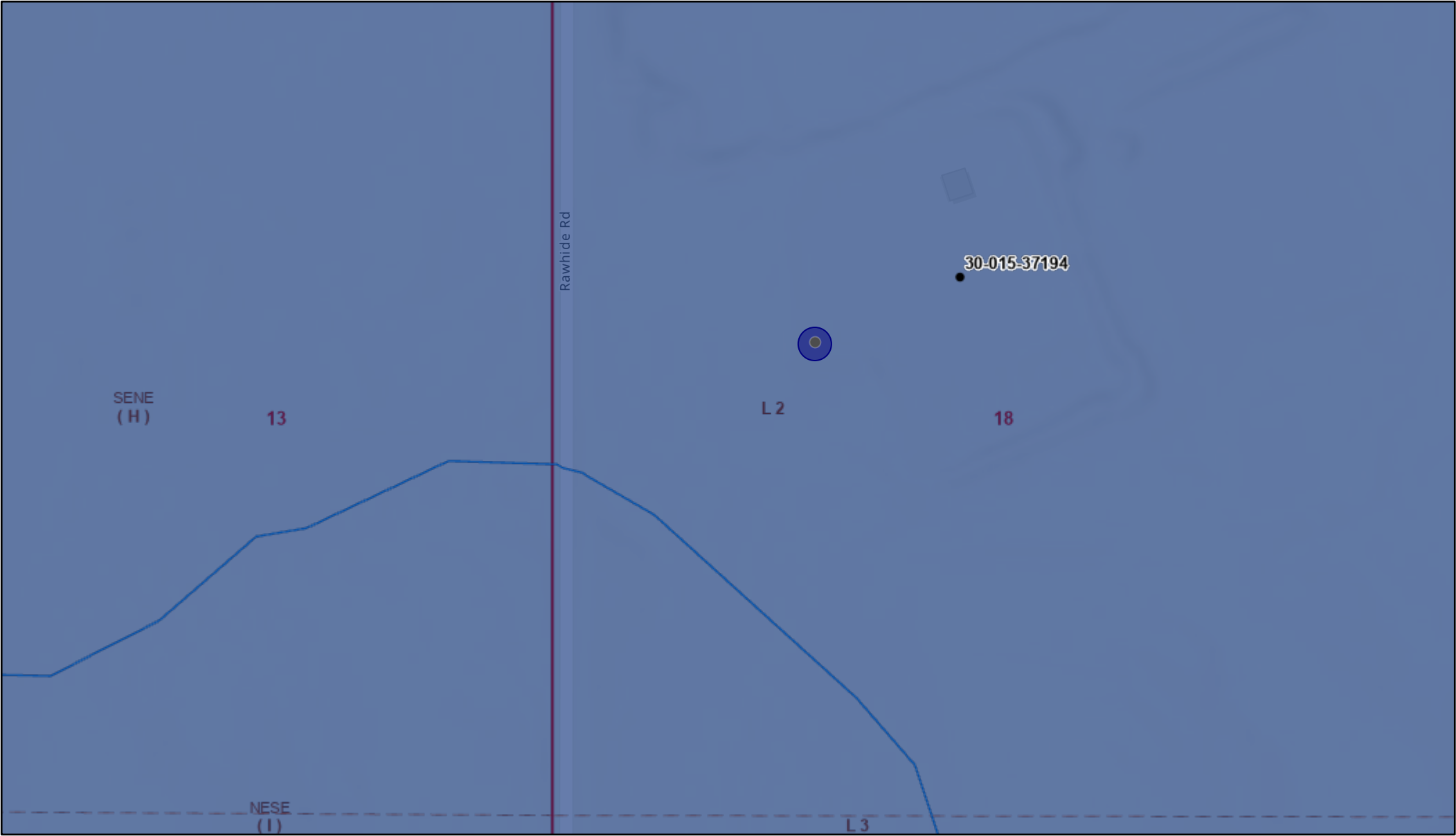


Google Earth

1 mi



# OCD Well Locations

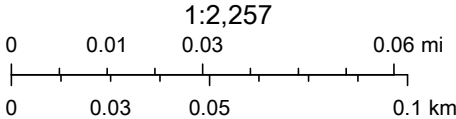


3/21/2023, 9:44:35 AM

- Override 1

●

Oil, Active
- Wells - Large Scale
- Pending
- Active
- Inactive
- Unknown
- Changed Location of Well
- Capped
- Plugged
- Unknown
- Karst Occurrence Potential
- High
- OSE Streams
- PLSS Second Division



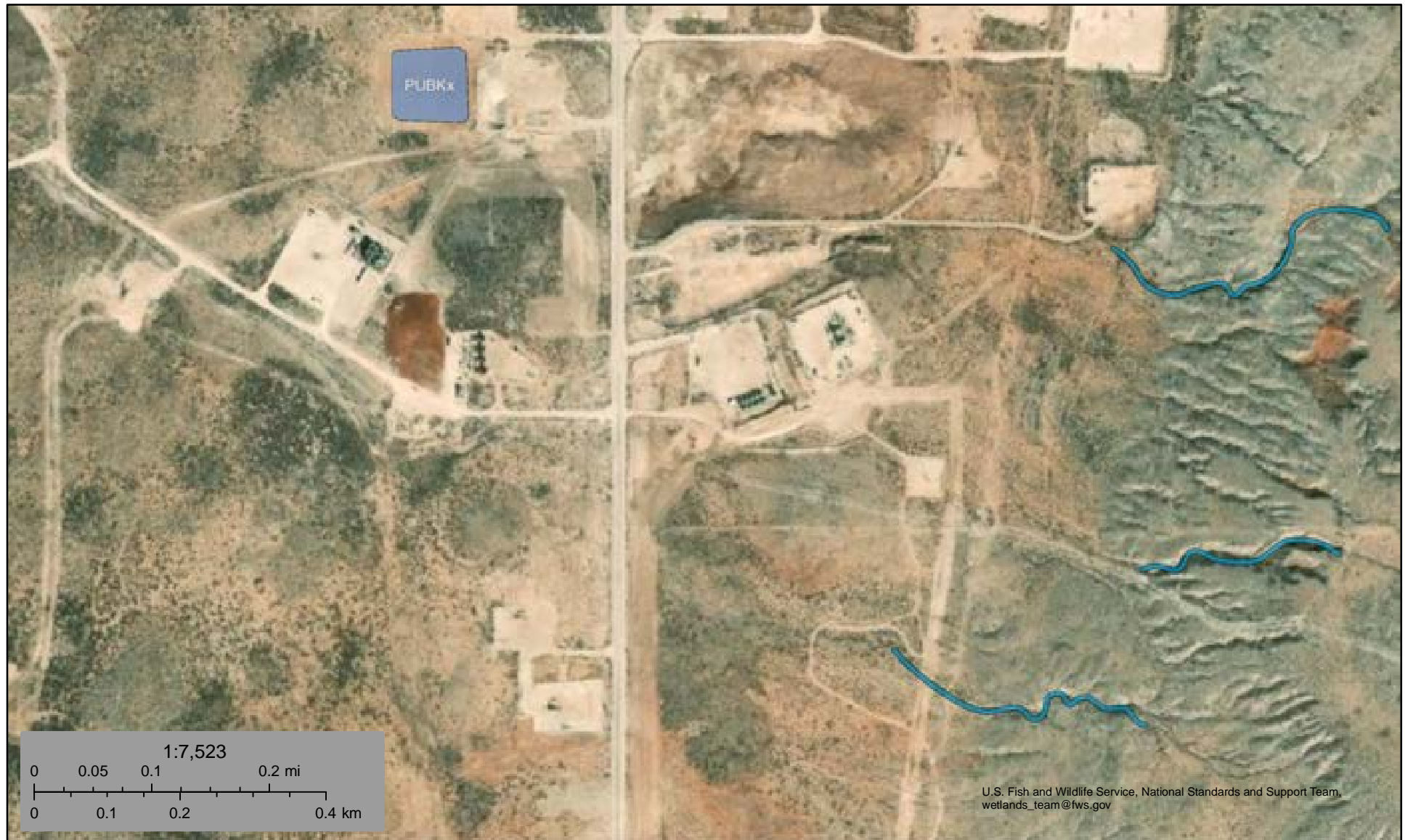
BLM, OCD, New Mexico Tech, OSE GIS, Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, HERE, Garmin, SafeGraph,



U.S. Fish and Wildlife Service

## National Wetlands Inventory

wetland



March 21, 2023

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

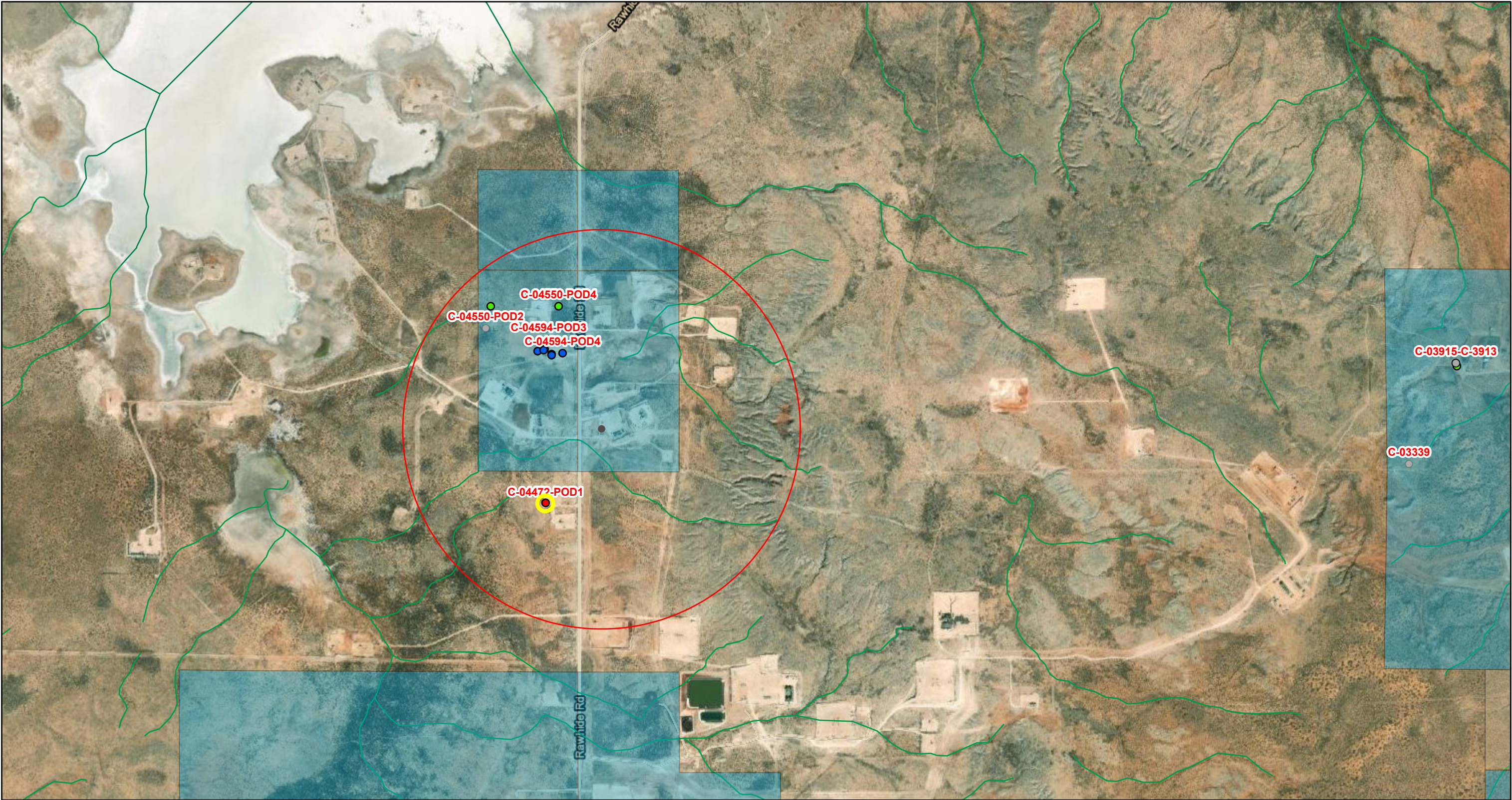
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

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



# OSE POD Locations Map



3/21/2023, 10:09:11 AM

GIS WATERS PODs

- Active
- Pending
- Plugged



OSE District Boundary

New Mexico State Trust Lands



Subsurface Estate



Both Estates



NHD Flowlines



Artificial Path



Connector

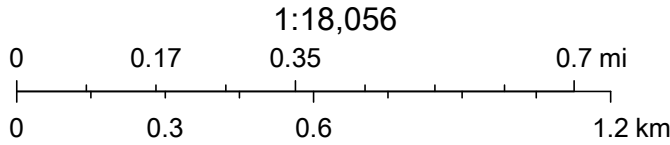
Stream River



Counties



Site Boundaries



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





## National Water Information System: Mapper



# National Flood Hazard Layer FIRMette



103°56'2"W 32°18'39"N



## Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/21/2023 at 11:02 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

## **PHOTOGRAPHIC LOG**

---



## PHOTOGRAPHIC LOG

## XTO Energy

## Photograph No. 1

**Facility:** Nash 42 Battery

**County:** Eddy County, New Mexico

**Description:**  
Area of Concern.



## Photograph No. 2

**Facility:** Nash 42 Battery

**County:** Eddy County, New Mexico

**Description:**  
Area of Concern.



## Photograph No. 3

**Facility:** Nash 42 Battery

**County:** Eddy County, New Mexico

**Description:**  
Area of Concern.



## **LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS**



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

April 11, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: NASH 42 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/05/23 12:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	04/05/2023	Sampling Date:	03/30/2023
Reported:	04/11/2023	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237197	Sample Received By:	Tamara Oldaker
Project Location:	XTO - EDDY COUNTY, NM		

**Sample ID: S - 1 (0-0.5') (H231584-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	4.21	
Toluene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	4.52	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	3.11	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.34	106	6.00	2.41	
Total BTEX	<0.300	0.300	04/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12400	16.0	04/06/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	177	88.3	200	1.09	
DRO >C10-C28*	1420	10.0	04/06/2023	ND	173	86.7	200	0.330	
EXT DRO >C28-C36	487	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/05/2023  
 Reported: 04/11/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 03/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 1 (1-1.5') (H231584-02)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	4.21	
Toluene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	4.52	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	3.11	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.34	106	6.00	2.41	
Total BTX	<0.300	0.300	04/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3840	16.0	04/06/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	177	88.3	200	1.09	
DRO >C10-C28*	109	10.0	04/06/2023	ND	173	86.7	200	0.330	
EXT DRO >C28-C36	16.1	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/05/2023  
 Reported: 04/11/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 03/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 1 (2-2.5') (H231584-03)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	4.21	
Toluene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	4.52	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	3.11	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.34	106	6.00	2.41	
Total BTX	<0.300	0.300	04/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2600	16.0	04/06/2023	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	177	88.3	200	1.09	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	173	86.7	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 04/05/2023  
 Reported: 04/11/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 03/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 1 (3-3.5') (H231584-04)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	4.21		
Toluene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	4.52		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	3.11		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.34	106	6.00	2.41		
Total BTEx	<0.300	0.300	04/06/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1580	16.0	04/06/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	177	88.3	200	1.09	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	173	86.7	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/05/2023  
 Reported: 04/11/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 03/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 1 (4-4.5') (H231584-05)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	4.21		
Toluene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	4.52		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	3.11		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.34	106	6.00	2.41		
Total BTEx	<0.300	0.300	04/06/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1780	16.0	04/06/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	177	88.3	200	1.09	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	173	86.7	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/05/2023  
 Reported: 04/11/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 03/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 1 (5-5.5') (H231584-06)**

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	04/06/2023	ND	2.02	101	2.00	4.21	
Toluene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	4.52	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	3.11	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.34	106	6.00	2.41	
Total BTEX	<0.300	0.300	04/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	04/06/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	177	88.3	200	1.09	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	173	86.7	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 04/05/2023  
 Reported: 04/11/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 03/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 2 (0-0.5') (H231584-07)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	4.21	
Toluene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	4.52	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	3.11	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.34	106	6.00	2.41	
Total BTX	<0.300	0.300	04/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6160	16.0	04/06/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	177	88.3	200	1.09	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	173	86.7	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

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**Analytical Results For:**

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

Received: 04/05/2023  
 Reported: 04/11/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 03/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 2 (1-1.5') (H231584-08)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	4.21	
Toluene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	4.52	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	3.11	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.34	106	6.00	2.41	
Total BTEx	<0.300	0.300	04/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4160	16.0	04/06/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	177	88.3	200	1.09	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	173	86.7	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/05/2023  
 Reported: 04/11/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 03/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 2 (2-2.5') (H231584-09)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	4.21	
Toluene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	4.52	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	3.11	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.34	106	6.00	2.41	
Total BTX	<0.300	0.300	04/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	04/06/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	177	88.3	200	1.09	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	173	86.7	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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**Analytical Results For:**

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

Received: 04/05/2023  
 Reported: 04/11/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 03/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 2 (3-3.5') (H231584-10)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	4.21	
Toluene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	4.52	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	3.11	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.34	106	6.00	2.41	
Total BTX	<0.300	0.300	04/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	04/06/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	177	88.3	200	1.09	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	173	86.7	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

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**Analytical Results For:**

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

Received: 04/05/2023  
 Reported: 04/11/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 03/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 2 (4-4.5') (H231584-11)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	4.21	
Toluene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	4.52	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	3.11	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.34	106	6.00	2.41	
Total BTEx	<0.300	0.300	04/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2520	16.0	04/06/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	166	83.0	200	1.68	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	189	94.7	200	0.477	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/05/2023  
 Reported: 04/11/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 03/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 2 (5-5.5') (H231584-12)**

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	04/06/2023	ND	2.02	101	2.00	4.21	
Toluene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	4.52	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	3.11	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.34	106	6.00	2.41	
Total BTEx	<0.300	0.300	04/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	04/06/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	166	83.0	200	1.68	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	189	94.7	200	0.477	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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**Analytical Results For:**

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

Received: 04/05/2023  
 Reported: 04/11/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 03/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 3 (0-0.5') (H231584-13)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	ND	1.98	99.2	2.00	1.07	
Toluene*	<0.050	0.050	04/06/2023	ND	1.97	98.6	2.00	0.0123	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.05	102	2.00	1.10	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.14	102	6.00	1.79	
Total BTEx	<0.300	0.300	04/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3400	16.0	04/06/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	166	83.0	200	1.68	
DRO >C10-C28*	43.6	10.0	04/06/2023	ND	189	94.7	200	0.477	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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**Analytical Results For:**

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

Received: 04/05/2023  
 Reported: 04/11/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 03/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 3 (1-1.5') (H231584-14)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	1.98	99.2	2.00	1.07		
Toluene*	<0.050	0.050	04/06/2023	ND	1.97	98.6	2.00	0.0123		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.05	102	2.00	1.10		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.14	102	6.00	1.79		
Total BTEx	<0.300	0.300	04/06/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1000	16.0	04/06/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	166	83.0	200	1.68	
DRO >C10-C28*	10.3	10.0	04/06/2023	ND	189	94.7	200	0.477	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/05/2023  
 Reported: 04/11/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 03/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 3 (2-2.5') (H231584-15)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	1.98	99.2	2.00	1.07		
Toluene*	<0.050	0.050	04/06/2023	ND	1.97	98.6	2.00	0.0123		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.05	102	2.00	1.10		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.14	102	6.00	1.79		
Total BTEx	<0.300	0.300	04/06/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1250	16.0	04/06/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	166	83.0	200	1.68	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	189	94.7	200	0.477	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 04/05/2023  
 Reported: 04/11/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 03/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 3 (3-3.5') (H231584-16)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	1.98	99.2	2.00	1.07		
Toluene*	<0.050	0.050	04/06/2023	ND	1.97	98.6	2.00	0.0123		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.05	102	2.00	1.10		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.14	102	6.00	1.79		
Total BTEx	<0.300	0.300	04/06/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1150	16.0	04/06/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	166	83.0	200	1.68	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	189	94.7	200	0.477	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/05/2023  
 Reported: 04/11/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 03/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 3 (4-4.5') (H231584-17)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	1.98	99.2	2.00	1.07		
Toluene*	<0.050	0.050	04/06/2023	ND	1.97	98.6	2.00	0.0123		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.05	102	2.00	1.10		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.14	102	6.00	1.79		
Total BTEX	<0.300	0.300	04/06/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1470	16.0	04/06/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	166	83.0	200	1.68	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	189	94.7	200	0.477	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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**Analytical Results For:**

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

Received: 04/05/2023  
 Reported: 04/11/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 03/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 3 (5-5.5') (H231584-18)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	1.98	99.2	2.00	1.07		
Toluene*	<0.050	0.050	04/06/2023	ND	1.97	98.6	2.00	0.0123		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.05	102	2.00	1.10		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.14	102	6.00	1.79		
Total BTEx	<0.300	0.300	04/06/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1520	16.0	04/06/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	166	83.0	200	1.68	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	189	94.7	200	0.477	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 04/05/2023  
 Reported: 04/11/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 03/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 1 (0-0.5') (H231584-19)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	1.98	99.2	2.00	1.07		
Toluene*	<0.050	0.050	04/06/2023	ND	1.97	98.6	2.00	0.0123		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.05	102	2.00	1.10		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.14	102	6.00	1.79		
Total BTEX	<0.300	0.300	04/06/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/06/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	166	83.0	200	1.68	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	189	94.7	200	0.477	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/05/2023  
 Reported: 04/11/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 03/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 2 (0-0.5') (H231584-20)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	1.98	99.2	2.00	1.07		
Toluene*	<0.050	0.050	04/06/2023	ND	1.97	98.6	2.00	0.0123		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.05	102	2.00	1.10		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.14	102	6.00	1.79		
Total BTEX	<0.300	0.300	04/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4960	16.0	04/06/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	166	83.0	200	1.68	
DRO >C10-C28*	1820	10.0	04/06/2023	ND	189	94.7	200	0.477	
EXT DRO >C28-C36	1670	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/05/2023  
 Reported: 04/11/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 03/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 3 (0-0.5') (H231584-21)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	1.98	99.2	2.00	1.07		
Toluene*	<0.050	0.050	04/06/2023	ND	1.97	98.6	2.00	0.0123		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.05	102	2.00	1.10		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.14	102	6.00	1.79		
Total BTEx	<0.300	0.300	04/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8080	16.0	04/06/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	189	94.5	200	1.53	
DRO >C10-C28*	49.4	10.0	04/06/2023	ND	183	91.5	200	1.59	
EXT DRO >C28-C36	36.6	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 04/05/2023  
 Reported: 04/11/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 03/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 4 (0-0.5') (H231584-22)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	1.98	99.2	2.00	1.07		
Toluene*	<0.050	0.050	04/06/2023	ND	1.97	98.6	2.00	0.0123		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.05	102	2.00	1.10		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.14	102	6.00	1.79		
Total BTEx	<0.300	0.300	04/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7600	16.0	04/06/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	189	94.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	183	91.5	200	1.59	
EXT DRO >C28-C36	17.6	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/05/2023  
 Reported: 04/11/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 03/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 5 (0-0.5') (H231584-23)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	1.98	99.2	2.00	1.07		
Toluene*	<0.050	0.050	04/06/2023	ND	1.97	98.6	2.00	0.0123		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.05	102	2.00	1.10		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.14	102	6.00	1.79		
Total BTEX	<0.300	0.300	04/06/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11600	16.0	04/06/2023	ND	400	100	400	3.92	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	189	94.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	183	91.5	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/05/2023  
 Reported: 04/11/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 03/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 6 (0-0.5') (H231584-24)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/07/2023	ND	1.98	99.2	2.00	1.07	
Toluene*	<0.050	0.050	04/07/2023	ND	1.97	98.6	2.00	0.0123	
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	2.05	102	2.00	1.10	
Total Xylenes*	<0.150	0.150	04/07/2023	ND	6.14	102	6.00	1.79	
Total BTEX	<0.300	0.300	04/07/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	04/06/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	189	94.5	200	1.53	
DRO >C10-C28*	240	10.0	04/06/2023	ND	183	91.5	200	1.59	
EXT DRO >C28-C36	182	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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### Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H231584

Project Manager: Ethan Seassums		Est No: (if allowed)		Garrett Green																	
Company Name: NTG Environmental		Company Name:		XTO Energy																	
Address: 402 E Wood Ave		Address:		3104 E Greene St																	
City, State Zip: Carlsbad, NM 88220		City, State Zip:		Carlsbad, NM 88220																	
Phone: 254-266-5456		Email: <a href="mailto:garrett.green@xtoenergy.com">garrett.green@xtoenergy.com</a>																			
Project Name: Nash 42 Battery		Turn Around: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pre Code																	
Project Number: 237197		Due Date:		ANALYSIS REQUEST																	
Project Location: Eddy County, NM		TAT starts the day received by the lab, if received by 4:30pm																			
Sample Name: Kellan Smith																					
PO #: 1055631001																					
SAMPLE RECEIPT		Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																	
Received Initial: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID: 113																			
Cooler Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Correction Factor: -0.4°C																			
Sample Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Temperature Reading: 0.5°C																			
Total Containers:		Corrected Temperature: -0.1°C																			
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters													
S-1 (0-0.5')		3/30/2023		X		Grab	1	X	X	X	X	BTX 8021B									
S-1 (1-1.5')		3/30/2023		X		Grab	1	X	X	X	X	TPH 8015M (GRO + DRO + MRO)									
S-1 (2-2.5')		3/30/2023		X		Grab	1	X	X	X	X	Chloride 4500									
S-1 (3-3.5')		3/30/2023		X		Grab	1	X	X	X	X										
S-1 (4-4.5')		3/30/2023		X		Grab	1	X	X	X	X										
S-1 (5-5.5')		3/30/2023		X		Grab	1	X	X	X	X										
S-2 (0-0.5')		3/30/2023		X		Grab	1	X	X	X	X										
S-2 (1-1.5')		3/30/2023		X		Grab	1	X	X	X	X										
S-2 (2-2.5')		3/30/2023		X		Grab	1	X	X	X	X										
S-2 (3-3.5')		3/30/2023		X		Grab	1	X	X	X	X										
Additional Comments:																					

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

Relinquished by (Signature): <u>[Signature]</u>	Received by (Signature): <u>[Signature]</u>	Date/Time: <u>4/5/2023 8:35</u>	Relinquished by (Signature): <u>[Signature]</u>	Received by (Signature): <u>[Signature]</u>	Date/Time: <u>4-5-23 1245</u>
---	---	---------------------------------	---	---	-------------------------------



Chain of Custody

Work Order No: H231584

Project Manager: Ethan Sessums		Bill To: (if different)		Garrett Green	
Company Name: NTG Environmental		Company Name:		XTO Energy	
Address: 402 E Wood Ave		Address:		3104 E Greene St	
City, State Zip: Carlsbad, NM 86220		City, State Zip:		Carlsbad, NM 86220	
Phone: 254-266-5456		Email: <a href="mailto:garrett.green@xtoenergy.com">garrett.green@xtoenergy.com</a>			
Project Name: Nash 42 Battery		Turn Around			
Project Number: 237197		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			
Project Location: Eddy County, NM		Due Date:			
Sampler's Name: Kellan Smith		TAT starts the day received by the lab. If received by 4:30pm			
PO #: 1056831001					
SAMPLE RECEIPT		Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Loc: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Received intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID: 113			
Cooler Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Correction Factor: -0.6°C			
Sample Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Temperature Reading: -0.5°C			
Total Containers:		Corrected Temperature: -0.1°C			
Sample Identification		Date	Time	Soil	Water
S-2 (4-4.5')		3/30/2023		Grab	1
S-2 (5-5.5')		3/30/2023		Grab	1
S-3 (0-0.5')		3/30/2023		Grab	1
S-3 (1-1.5')		3/30/2023		Grab	1
S-3 (2-2.5')		3/30/2023		Grab	1
S-3 (3-3.5')		3/30/2023		Grab	1
S-3 (4-4.5')		3/30/2023		Grab	1
S-3 (5-5.5')		3/30/2023		Grab	1
H-1 (0-0.5')		3/30/2023		Grab	1
H-2 (0-0.5')		3/30/2023		Grab	1
Additional Comments:					
Refrigerated by: (Signature)		Received by: (Signature)		Date/Time	
4/5/2023		8:35am			
Refrigerated by: (Signature)		Received by: (Signature)		Date/Time	
4/5/2023		8:35am			

Work Order Comments

Program: UST/PST ☐ PRRP ☐ Brownfields ☐ PRC ☐ Superfund ☐

State of Project: ☐ Level I ☐ Level II ☐ Level III ☐ PST/UST ☐ PRRP ☐ Level IV ☐

Reporting Level: ☐ Level I ☐ Level II ☐ Level III ☐ Level IV ☐

Deliverables: EDO ☐ ADAPT ☐ Other: ☐

Preservative Codes

Name: NO ☐ DI Water: H<sub>2</sub>O ☐

Cool: Cool ☐ MeOH: Me ☐

HCL: HC ☐ HNO<sub>3</sub>: HN ☐

H<sub>2</sub>SO<sub>4</sub>: H<sub>2</sub> ☐ NaOH: NB ☐

H<sub>2</sub>PO<sub>4</sub>: HP ☐

NaHSO<sub>4</sub>: NABIS ☐

Na<sub>2</sub>S<sub>2</sub>O<sub>5</sub>: NaSO<sub>5</sub> ☐

Zn Acetate+NaOH: Zn ☐

NaOH+Ascorbic Acid: SAAC ☐

Sample Comments



Work Order No: A251584

Project Manager:	Ernan Sessums	Bill to (if different)	Garrett Green
Company Name:	NTG Environmental	Company Name:	XTO Energy
Address:	402 E Wood Ave	Address:	3104 E Creech St
City, State Zip:	Carlsbad, NM 88220	City, State Zip:	Carlsbad, NM 88220
Phone:	254-266-5456	Email:	<a href="mailto:garrett.green@xtoenergy.com">garrett.green@xtoenergy.com</a>
Project Name:	Nash 42 Railway		

Work Order Comments	
Program: UST/ST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level III <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDO <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

[illegible][illegible]

**Refraindshed by (Client):** \_\_\_\_\_

Received by: (Signature)	Date/Time	Redeem/Used by: (Signature)	Date/Time
<i>[Signature]</i>	4/5/2023	<i>[Signature]</i>	4-5-23 1205



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

May 08, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: NASH 42 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/04/23 11:05.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	05/04/2023	Sampling Date:	05/04/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237197	Sample Received By:	Tamara Oldaker
Project Location:	XTO - EDDY COUNTY, NM		

**Sample ID: TP - 1 (6') (H232207-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2023	ND	2.16	108	2.00	1.74	
Toluene*	<0.050	0.050	05/05/2023	ND	2.14	107	2.00	2.04	
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.10	105	2.00	2.22	
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.33	106	6.00	3.52	
Total BTEX	<0.300	0.300	05/05/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1250	16.0	05/05/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	92.1	200	1.31	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	170	84.8	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 05/04/2023  
 Reported: 05/08/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 05/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: TP - 1 (7') (H232207-02)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2023	ND	2.16	108	2.00	1.74	
Toluene*	<0.050	0.050	05/05/2023	ND	2.14	107	2.00	2.04	
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.10	105	2.00	2.22	
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.33	106	6.00	3.52	
Total BTEx	<0.300	0.300	05/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1150	16.0	05/05/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2023	ND	196	98.2	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/04/2023	ND	194	96.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	05/04/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 05/04/2023  
 Reported: 05/08/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 05/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: TP - 1 (8') (H232207-03)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2023	ND	2.16	108	2.00	1.74	
Toluene*	<0.050	0.050	05/05/2023	ND	2.14	107	2.00	2.04	
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.10	105	2.00	2.22	
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.33	106	6.00	3.52	
Total BTEX	<0.300	0.300	05/05/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2023	ND	196	98.2	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/04/2023	ND	194	96.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	05/04/2023	ND					

Surrogate: 1-Chlorooctane 73.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 05/04/2023  
 Reported: 05/08/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 05/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: TP - 1 (9') (H232207-04)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2023	ND	2.16	108	2.00	1.74	
Toluene*	<0.050	0.050	05/05/2023	ND	2.14	107	2.00	2.04	
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.10	105	2.00	2.22	
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.33	106	6.00	3.52	
Total BTEx	<0.300	0.300	05/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	05/05/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2023	ND	196	98.2	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/04/2023	ND	194	96.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	05/04/2023	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 05/04/2023  
 Reported: 05/08/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 05/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: TP - 1 (10') (H232207-05)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2023	ND	2.16	108	2.00	1.74	
Toluene*	<0.050	0.050	05/05/2023	ND	2.14	107	2.00	2.04	
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.10	105	2.00	2.22	
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.33	106	6.00	3.52	
Total BTEx	<0.300	0.300	05/05/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2023	ND	196	98.2	200	1.08	
DRO >C10-C28*	14.7	10.0	05/04/2023	ND	194	96.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	05/04/2023	ND					

Surrogate: 1-Chlorooctane 74.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 05/04/2023  
 Reported: 05/08/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 05/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: TP - 2 (6') (H232207-06)**

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	05/05/2023	ND	2.16	108	2.00	1.74		
Toluene*	<0.050	0.050	05/05/2023	ND	2.14	107	2.00	2.04		
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.10	105	2.00	2.22		
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.33	106	6.00	3.52		
Total BTEx	<0.300	0.300	05/05/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	196	98.2	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	194	96.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 05/04/2023  
 Reported: 05/08/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 05/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: TP - 2 (7') (H232207-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/05/2023	ND	2.16	108	2.00	1.74		
Toluene*	<0.050	0.050	05/05/2023	ND	2.14	107	2.00	2.04		
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.10	105	2.00	2.22		
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.33	106	6.00	3.52		
Total BTEx	<0.300	0.300	05/05/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1090	16.0	05/05/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	196	98.2	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	194	96.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 05/04/2023  
 Reported: 05/08/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 05/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: TP - 2 (8') (H232207-08)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2023	ND	2.16	108	2.00	1.74	
Toluene*	<0.050	0.050	05/05/2023	ND	2.14	107	2.00	2.04	
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.10	105	2.00	2.22	
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.33	106	6.00	3.52	
Total BTEx	<0.300	0.300	05/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1070	16.0	05/05/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	196	98.2	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	194	96.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 05/04/2023  
 Reported: 05/08/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 05/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: TP - 2 (9') (H232207-09)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/05/2023	ND	2.16	108	2.00	1.74		
Toluene*	<0.050	0.050	05/05/2023	ND	2.14	107	2.00	2.04		
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.10	105	2.00	2.22		
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.33	106	6.00	3.52		
Total BTX	<0.300	0.300	05/05/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	736	16.0	05/05/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	196	98.2	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	194	96.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

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

Received: 05/04/2023  
 Reported: 05/08/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 05/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: TP - 2 (10') (H232207-10)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2023	ND	2.16	108	2.00	1.74	
Toluene*	<0.050	0.050	05/05/2023	ND	2.14	107	2.00	2.04	
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.10	105	2.00	2.22	
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.33	106	6.00	3.52	
Total BTEx	<0.300	0.300	05/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	05/05/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	196	98.2	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	194	96.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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**Analytical Results For:**

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

Received: 05/04/2023  
 Reported: 05/08/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 05/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: TP - 3 (6') (H232207-11)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/05/2023	ND	2.16	108	2.00	1.74		
Toluene*	<0.050	0.050	05/05/2023	ND	2.14	107	2.00	2.04		
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.10	105	2.00	2.22		
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.33	106	6.00	3.52		
Total BTEx	<0.300	0.300	05/05/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/05/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	196	98.2	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	194	96.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 49.1-148

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**Analytical Results For:**

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

Received: 05/04/2023  
 Reported: 05/08/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 05/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: TP - 3 (7') (H232207-12)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/05/2023	ND	2.16	108	2.00	1.74		
Toluene*	<0.050	0.050	05/05/2023	ND	2.14	107	2.00	2.04		
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.10	105	2.00	2.22		
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.33	106	6.00	3.52		
Total BTX	<0.300	0.300	05/05/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	05/05/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	196	98.2	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	194	96.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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**Analytical Results For:**

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

Received: 05/04/2023  
 Reported: 05/08/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 05/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: TP - 3 (8') (H232207-13)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/05/2023	ND	2.16	108	2.00	1.74		
Toluene*	<0.050	0.050	05/05/2023	ND	2.14	107	2.00	2.04		
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.10	105	2.00	2.22		
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.33	106	6.00	3.52		
Total BTEx	<0.300	0.300	05/05/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	05/05/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	196	98.2	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	194	96.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

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

Received: 05/04/2023  
 Reported: 05/08/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 05/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: TP - 3 (9') (H232207-14)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2023	ND	2.16	108	2.00	1.74	
Toluene*	<0.050	0.050	05/05/2023	ND	2.14	107	2.00	2.04	
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.10	105	2.00	2.22	
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.33	106	6.00	3.52	
Total BTX	<0.300	0.300	05/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	05/05/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	196	98.2	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	194	96.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 05/04/2023  
 Reported: 05/08/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 05/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: TP - 3 (10') (H232207-15)**

BTEX 8021B			mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/05/2023	ND	2.16	108	2.00	1.74		
Toluene*	<0.050	0.050	05/05/2023	ND	2.14	107	2.00	2.04		
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.10	105	2.00	2.22		
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.33	106	6.00	3.52		
Total BTEX	<0.300	0.300	05/05/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/05/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	196	98.2	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	194	96.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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**Analytical Results For:**

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

Received: 05/04/2023  
 Reported: 05/08/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 05/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 2A (0-0.5') (H232207-16)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2023	ND	2.16	108	2.00	1.74	
Toluene*	<0.050	0.050	05/05/2023	ND	2.14	107	2.00	2.04	
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.10	105	2.00	2.22	
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.33	106	6.00	3.52	
Total BTEX	<0.300	0.300	05/05/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	05/05/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	196	98.2	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	194	96.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 05/04/2023  
 Reported: 05/08/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 05/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 3A (0-0.5') (H232207-17)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/05/2023	ND	2.16	108	2.00	1.74		
Toluene*	<0.050	0.050	05/05/2023	ND	2.14	107	2.00	2.04		
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.10	105	2.00	2.22		
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.33	106	6.00	3.52		
Total BTEX	<0.300	0.300	05/05/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	05/05/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	196	98.2	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	194	96.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 05/04/2023  
 Reported: 05/08/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 05/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 4A (0-0.5') (H232207-18)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2023	ND	2.16	108	2.00	1.74	
Toluene*	<0.050	0.050	05/05/2023	ND	2.14	107	2.00	2.04	
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.10	105	2.00	2.22	
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.33	106	6.00	3.52	
Total BTEx	<0.300	0.300	05/05/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/05/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	196	98.2	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	194	96.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 75.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.6 % 49.1-148

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**Analytical Results For:**

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

Received: 05/04/2023  
 Reported: 05/08/2023  
 Project Name: NASH 42 BATTERY  
 Project Number: 237197  
 Project Location: XTO - EDDY COUNTY, NM

Sampling Date: 05/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 5A (0-0.5') (H232207-19)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2023	ND	2.16	108	2.00	1.74	
Toluene*	<0.050	0.050	05/05/2023	ND	2.14	107	2.00	2.04	
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.10	105	2.00	2.22	
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.33	106	6.00	3.52	
Total BTEx	<0.300	0.300	05/05/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/05/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	196	98.2	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	194	96.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 68.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.6 % 49.1-148

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### Notes and Definitions

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

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A handwritten signature in cursive script, appearing to read "Cley D. Keene", written in black ink.

---

Celey D. Keene, Lab Director/Quality Manager





Chain of Custody

Work Order No: H2322207

Project Manager:	Ethan Sessums	Bill to: (if different)	Garrett Green
Company Name:	NTG Environmental	Company Name:	XTO Energy
Address:	402 E Wood Ave	Address:	3104 E Greene St
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Carlsbad, NM 88220
Phone:	254-268-5456	Email:	garrett.green@xtoenergy.com

Turn Around <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Due Date: 48hr	
TAT starts the day received by the lab, if received by 4:30pm			
ANALYSIS REQUEST			
Program: UST/PT <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> ARC <input type="checkbox"/> Superfund <input type="checkbox"/> State of Project: <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> UST <input type="checkbox"/> PRP <input type="checkbox"/> Level IV <input type="checkbox"/> Deliverables: EDO <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:			

Project Name:	Nash 42 Battery	Project Number:	237197
Project Location:	Eddy County, NM	Due Date:	48hr
Sampler's Name:	Kellan Smith	TAT starts the day received by the lab, if received by 4:30pm	
PO #	1055631001		
SAMPLE RECEIPT Received Invert: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cooler Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Sample Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Total Containers: <input type="checkbox"/> Corrected Temperature: -4.0°C			
Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Thermometer ID:	113
Correction Factor:	-0.6°C	Temperature Reading:	-3.4°C
Corrected Temperature:	-4.0°C		

Sample Identification	Date	Time	Soil	Water	Grab Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
TP-3 (6)	5/4/2023		X		Grab	1	BTEX 8021B		None: NO	
TP-3 (7)	5/4/2023		X		Grab	1	TPH 8015M (GRD + DRG + MRO)		DI Water: H <sub>2</sub> O	
TP-3 (8)	5/4/2023		X		Grab	1	Chloride 4500		MeOH: Me	
TP-3 (9)	5/4/2023		X		Grab	1			HCL: HCl	
TP-3 (10)	5/4/2023		X		Grab	1			H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	
H-2A (0-0.5')	5/4/2023		X		Grab	1			H <sub>2</sub> PO <sub>4</sub> : HP	
H-3A (0-0.5')	5/4/2023		X		Grab	1			NaHSO <sub>4</sub> : NABIS	
H-4A (0-0.5')	5/4/2023		X		Grab	1			Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>	
H-5A (0-0.5')	5/4/2023		X		Grab	1			Zn Acetate+NaOH: Zn	
					Grab	1			NaOH+Ascorbic Acid: SAPC	

Additional Comments:

Relinquished by: (Signature) [Signature] Received by: (Signature) [Signature] Date/Time 5/4/23 1105

Relinquished by: (Signature) [Signature] Received by: (Signature) [Signature] Date/Time 5/4/23 1105



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**District II**  
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Phone:(575) 748-1283 Fax:(575) 748-9720

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

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

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

CONDITIONS  
  
Action 239434

CONDITIONS

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  239434
	Action Type:  [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. Due to the sensitive nature of the release location and the site being located within high karst, the site will need to be remediated to the strictest closure criteria from Table 1 of the OCD Spill Rule. The variance to install a 20-mil polyethylene liner is denied. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Sidewall/edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. All sidewall samples should be taken from the sidewall of the excavation. Please make sure that the edge of the release extent is accurately defined. Please collect confirmation samples, representing no more than 200 ft2. The work will need to occur in 90 days after the report has been reviewed.	1/2/2024

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

QUESTIONS

Action 427107

**QUESTIONS**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 427107
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2303348121
Incident Name	NAPP2303348121 NASH 42 TANK BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	NASH 42 TANK BATTERY
Date Release Discovered	01/27/2023
Surface Owner	State

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
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

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Pump   Produced Water   Released: 10 BBL   Recovered: 3 BBL   Lost: 7 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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QUESTIONS, Page 2

Action 427107

**QUESTIONS (continued)**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 427107
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be 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. 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 safety hazard that would result in injury.

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

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

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

I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 01/31/2025
--	--



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QUESTIONS, Page 3

Action 427107

**QUESTIONS (continued)**

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  427107
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Site Characterization</b>	
<i>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.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (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
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 300 and 500 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (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	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	592
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	11.7
GRO+DRO (EPA SW-846 Method 8015M)	11.7
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	01/25/2024
On what date will (or did) the final sampling or liner inspection occur	12/17/2024
On what date will (or was) the remediation complete(d)	01/13/2025
What is the estimated surface area (in square feet) that will be reclaimed	4932
What is the estimated volume (in cubic yards) that will be reclaimed	800
What is the estimated surface area (in square feet) that will be remediated	4932
What is the estimated volume (in cubic yards) that will be remediated	800
<i>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.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 427107

**QUESTIONS (continued)**

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  427107
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 01/31/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 427107

QUESTIONS (continued)

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  427107
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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



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QUESTIONS, Page 6

Action 427107

**QUESTIONS (continued)**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 427107
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	409214
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/13/2024
What was the (estimated) number of samples that were to be gathered	60
What was the sampling surface area in square feet	12000

**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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	4932
What was the total volume (cubic yards) remediated	800
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	4932
What was the total volume (in cubic yards) reclaimed	800
Summarize any additional remediation activities not included by answers (above)	Excavation activities were conducted at the Site in response to the conditionally approved Work Plan to address the January 2023 releases of produced water. The July 13, 2024, Work Plan is included in Appendix F. Laboratory analytical results for all final confirmation soil samples indicated all COC concentrations were compliant with the Site Closure Criteria. Based on the soil sample laboratory analytical results, no further remediation is required. XTO has backfilled the excavation with material purchased locally and recontoured the Site to match pre-existing site conditions. XTO believes these remedial actions are protective of human health, the environment, and groundwater.

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

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

I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 01/31/2025
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QUESTIONS, Page 7

Action 427107

QUESTIONS (continued)

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  427107
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 427107

CONDITIONS

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  427107
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2303348121 NASH 42 TANK BATTERY, thank you. This Remediation Closure Report is approved.	2/7/2025