



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 ft².*

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 1st through June 15th, 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.

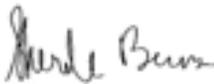
CLOSURE REQUEST

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.

Sincerely,
Ensolum, LLC



SHERELE BROOKS
Staff Scientist



DANIEL R. MOIR, PG (licensed in WY & TX)
Senior Managing Geologist

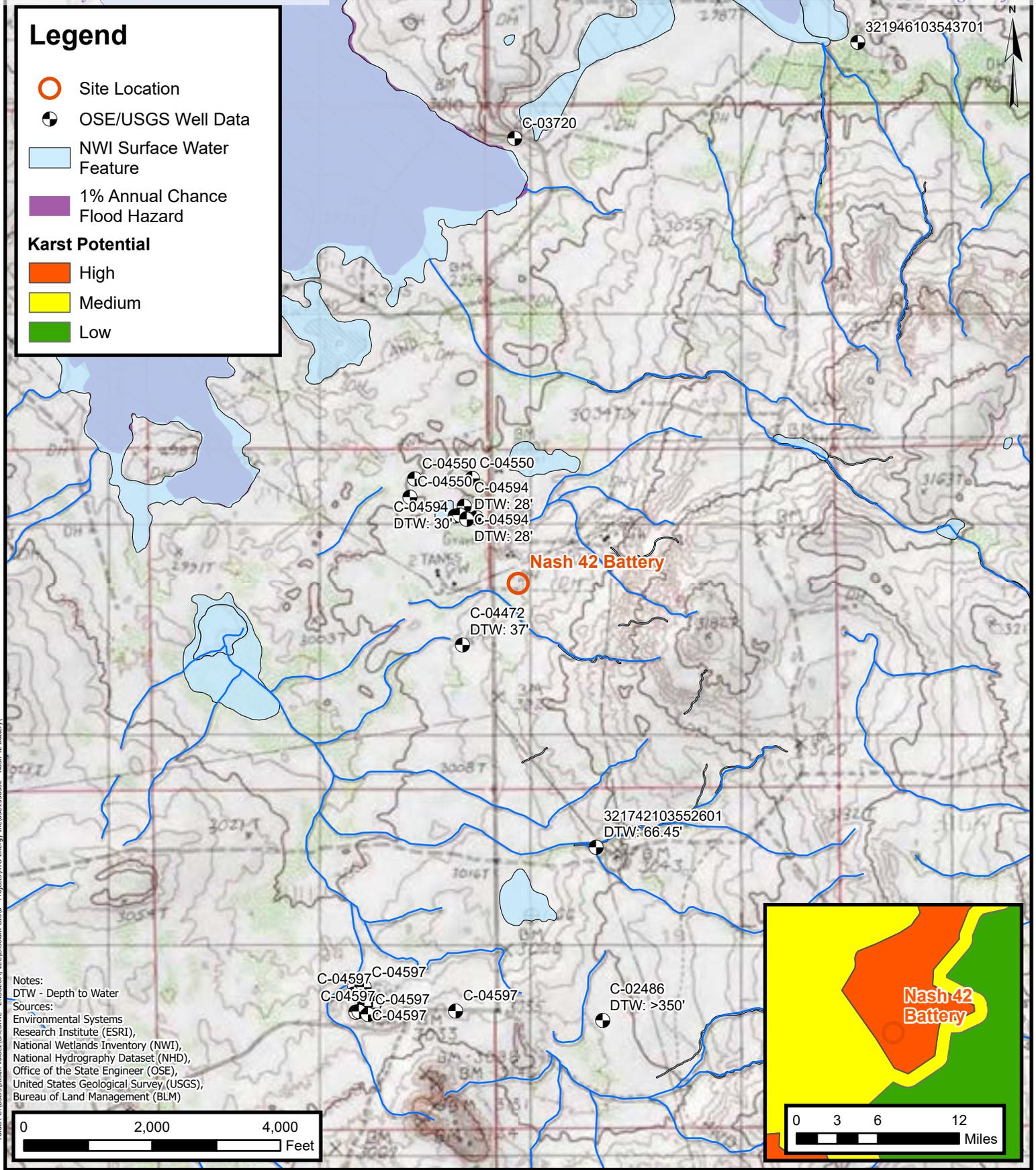
cc: Colton Brown, XTO
Kaylan Dirkx, XTO
SLO

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 - *Remediation Work Plan*



FIGURES



Site Receptor Map

XTO Energy Inc.
Nash 42 Battery

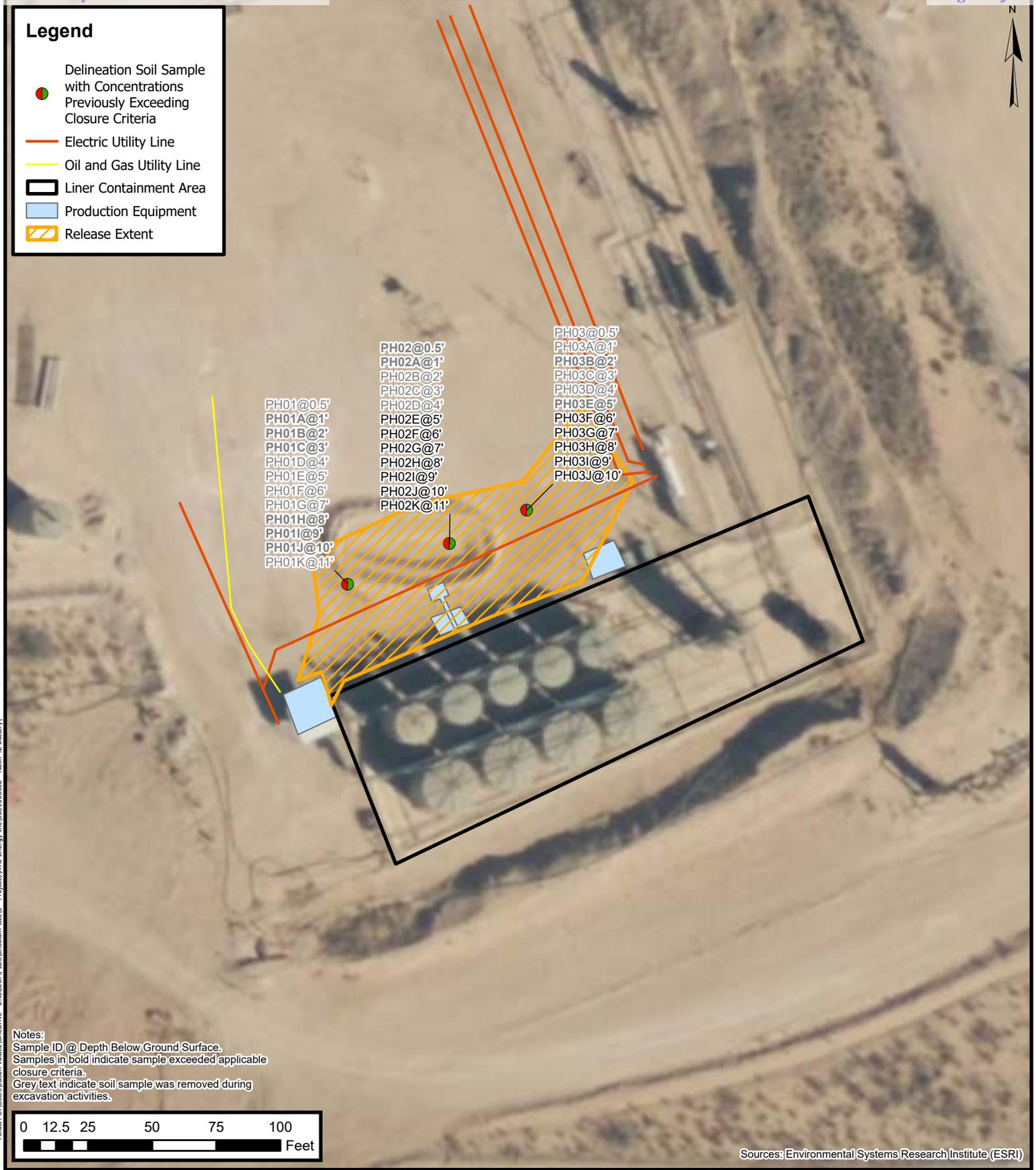
Incident Numbers: nAPP2302545515 & nAPP2303348121
Unit E, Sec 18, T23S, R30E
Eddy County, New Mexico

FIGURE

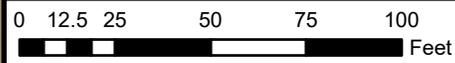
1

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



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.



Sources: Environmental Systems Research Institute (ESRI)



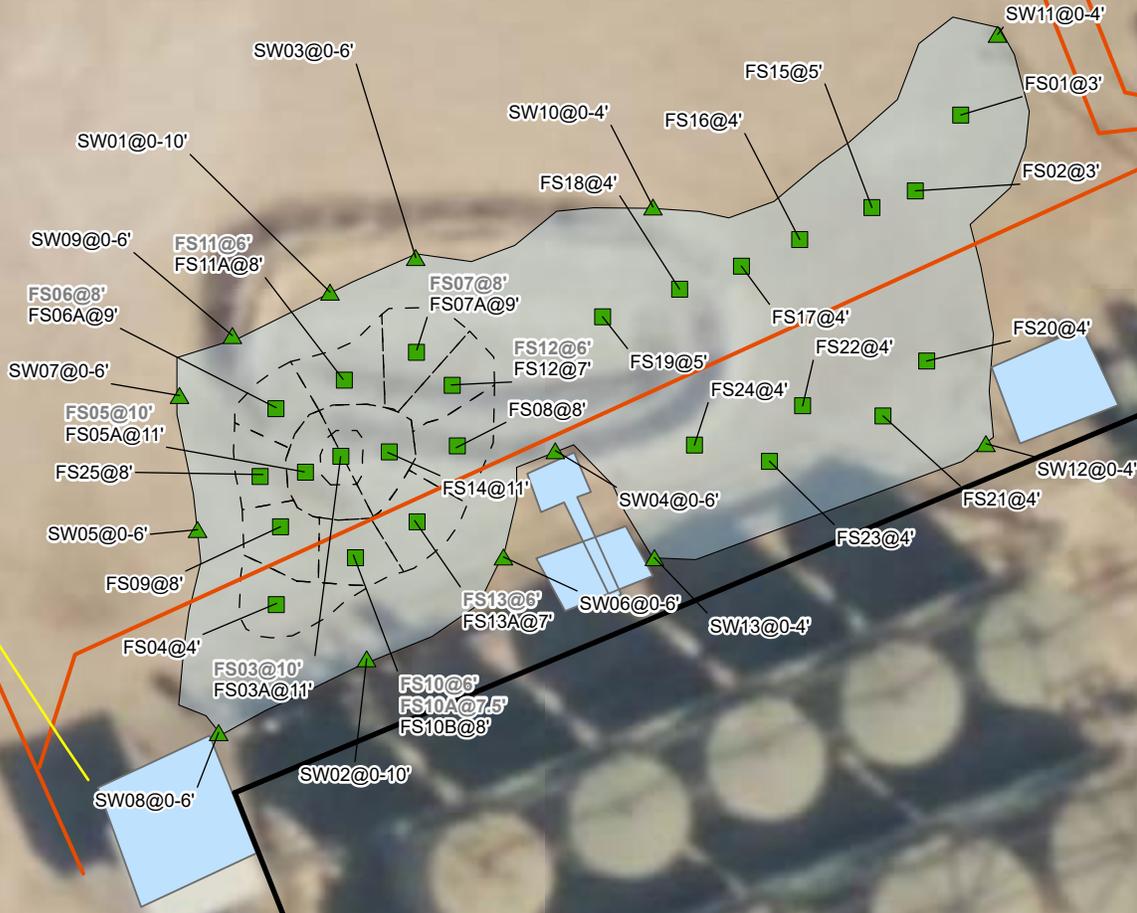
Delineation Soil Sample Locations

XTO Energy Inc.
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 Unit E, Sec 18, T23S, R30E
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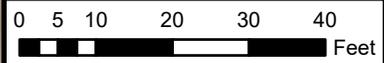
FIGURE 2

Legend

- Excavation Floor Sample in Compliance with Closure Criteria
- ▲ Excavation Sidewall Sample in Compliance with Closure Criteria
- Electric Utility Line
- Oil and Gas Utility Line
- Release Extent
- Liner Containment Area
- Sampling Grid
- Production Equipment
- Excavation Extent



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.



Sources: Environmental Systems Research Institute (ESRI)

Excavation Soil Sample Locations

XTO Energy Inc.
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 Unit E, Sec 18, T23S, R30E
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FIGURE

3





TABLES



**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
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)
NMOCD 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



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DIT MAR 30 2022 10:06:56

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)	LATITUDE	DEGREES 32	MINUTES 18	SECONDS 33.55	N		* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84
	LONGITUDE	103	55	48.94	W			
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



Photographic Log

XTO Energy, Inc.

Nash 42 Battery

nAPP2303348121 & 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

				Sample Name: PH01		Date: 12/2/24		
				Site Name: Nash 42 Battery				
				Incident Number: nAPP2302545515 & nAPP2303348121				
				Job Number: 03C1558552				
LITHOLOGIC / SOIL SAMPLING LOG				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
D	<168	0.7	N	PH01	0.5	0	SP	SAND, light brown, very fine sand with CCHE No stain or odor.
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.		

					Sample Name: PH02		Date: 12/3/24	
					Site Name: Nash 42 Battery			
					Incident Number: nAPP2302545515 & nAPP2303348121			
					Job Number: 03C1558552			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Connor Whitman		Method: Trackhoe	
Coordinates: 32.306563, -103.928000					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	2,654	0.0	N	PH02	0.5	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.		

					Sample Name: PH03		Date: 12/2/24			
					Site Name: Nash 42 Battery					
					Incident Number: nAPP2302545515 & nAPP2303348121					
					Job Number: 03C1558552					
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Connor Whitman		Method: Trackhoe			
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.		
D	<168	0.0	N	PH03G	7	7		At 8' large 2-3 cm gypsum crystal and CCHE layers.		
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	GYPSUM, micro crystalline, gray/ gray green, well consolidated. No stain or odor.		
						Total depth @ 10' bgs.				



Appendix D

Disposal Manifests



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) *REQUIRED INFORMATION*

Name Kurt Ratz

Phone No. _____

GENERATOR

NO. HW-724105

Generator Manifest # _____
Generator Name KTD
Address _____
City, State, Zip _____
Phone No. _____

Location of Origin 4454 42 Balfour
Lease/Well Name & No. Prod #031958553
County 4490 230349121 4490 230349555
API No. 231055931001
Rig Name & No. 4490 2/26247300
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)	_____	<u>Roll, 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&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 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 Santa Ana 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 12/24 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 > 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 12/24 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- 722330**

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

Location of Origin UASH 42 Battery
Lease/Well Name & No. Prod. # 02X158550
County UAP 2303748121 UAP 2302545515
API No. 211055871001
Rig Name & No. TAR 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 _____
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 analyzed 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 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 Santow Mar
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 12-13-24 DRIVER'S SIGNATURE _____

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

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 > 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 Kurt Ratz

Phone No. _____

GENERATOR

NO. **HW-724110**

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

Location of Origin 1A3442 Patton
 Lease/Well Name & No. P.O. 4082558950
 County Lea
 API No. 44PP 2002542015
 Rig Name & No. 4082558950
 AFE/PO No. 4082558950

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	Washout Water (Non-Injectable)	_____	OTHER EXEMPT E&P WASTE STREAMS	
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	_____	Truck Washout (exempt waste)	YES _____ NO <u>_____</u>	QUANTITY	TOP SOIL	CALICHE
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 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)

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 12-13-24 DRIVER'S SIGNATURE _____

TRUCK TIME STAMP IN: _____ OUT: _____

DISPOSAL FACILITY RECEIVING AREA Name/No. 28

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

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

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

NAME (PRINT) _____ DATE _____ TITLE _____ SIGNATURE _____

Received by OGD: 1/31/2025 10:05:40 AM

Released to Imaging: 2/7/2025 10:18:19 AM



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information
Name Kent Retz
Phone No. _____

(PLEASE PRINT) *REQUIRED INFORMATION*

Generator Manifest # X70 **GENERATOR** NO. HW- 719284

Generator Name _____ Location of Origin _____
 Address _____ Name & No. NASH 42 Battery
 City, State, Zip _____ County Project: 03C1555521
 Phone No. _____ API No. API: IAPP2126047300
 Rig Name & No. CC: 105531006, NAPP30234545
 AFE/PO No. Incident: NAPP3902348131

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: 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 (TCF), Ignitability, Corrosivity and Reactivity.

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

DISPOSAL QUANTITY: B - BARRELS _____ L - LIQUID _____ CY - 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 SchiteX Alex Driver's Name Corny Reimer
 Address _____ Print Name _____
 Phone No. _____ Phone No. _____
 Transporter Ticket # _____ Truck No. 39

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 _____

TRUCK TIME STAMP IN: _____ OUT: _____

DISPOSAL FACILITY RECEIVING AREA Name/No. _____

to Name/ Permit No. Halfway Facility / NM1-006 Phone No. 676-392-6368
 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

Height Gauge _____	Feet _____	Inches _____	BS&W/BBLs Received _____	BS&W (%) _____
Oil Gauge _____			Free Water _____	
Volume Received _____			Total Received _____	

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



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kent Rdg

Phone No. _____

(PLEASE PRINT) *REQUIRED INFORMATION*

Generator Manifest # X70 **GENERATOR** NO. HW-719283

Generator Name _____ Location of Origin _____
 Address _____ Name & No. NASH 42 Battery
 City, State, Zip _____ County BLAKE CO. 0361568550
 Phone No. _____ API No. API # APP 1176097 300
 RIG Name & No. CC 705593100L NAPP 1303555515
 AFE/PO No. Incident - NAPP 1303555511

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 <u>(circled)</u>	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 (TCIP), 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 AGENT'S SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name Sentex Mex Driver's Name Corny Reimer
 Address _____ Print Name _____
 Phone No. _____ Phone No. _____
 Transporter Ticket # _____ Truck No. 39

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 12-10-14 DRIVER'S SIGNATURE Corny Reimer

DISPOSAL FACILITY

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

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

TANK BOTTOMS

Height Gauge _____	Foot _____	Inches _____	BS&W/BBLs Received _____	BS&W (%) _____
Oil Gauge _____			Free Water _____	
Water Received _____			Total Received _____	

I hereby certify that the above load material has been (circle one): ACCEPTED 12/10 DENIED _____ If denied, Why? _____

 NAME (PRINT) DATE TITLE SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Keith Retz

Phone No. _____

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

NO. HW-718208

Generator Manifest # X70

Location of Origin _____

Generator Name _____

Lease/Well Name & No. NASH42 Battery

Address _____

County IA Project: 03C1558558

City, State, Zip _____

API No. APP: EAPP126047300

Phone No. _____

Rig Name & No. CC-1055831001 ST5

AFE/PO No. Incident: NAPP130434811, NAPP1304348

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 SALTS
E&P Contaminated Soil	<u>12</u>	Truck Washout (exempt waste) YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	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 _____ 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 Servtex Mex

Driver's Name Corny Reimer

Address _____

Print Name _____

Phone No. _____

Phone No. _____

Transporter Ticket # _____

Truck No. 39

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

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

Site Name/Permit No. Halfway Facility / NM1-006 Phone No. 676-392-6368
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 12/10 TITLE _____ SIGNATURE _____



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Keat Retz

Phone No. _____

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR NO. **HW- 719285**

Generator Manifest # X70 Location of Origin _____
 Generator Name _____ Lease/Well Name & No. NASH 42 Battery
 Address _____ County Project - 08C15555 2
 City, State, Zip _____ API No. AP: EAPP 126047 302
 Phone No. _____ Rig Name & No. CF: 1056831006 NAPP 2309245515
 AFE/PO No. Incident - NAPP 2303248191

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 <u>✓</u>	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 _____ 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. Tex Mex Driver's Name Carol Reimer
 Address _____ Print Name _____
 Phone No. _____ Phone No. _____
 Transporter Ticket # _____ Truck No. 39

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 Carol Reimer

TRUCK TIME STAMP IN: _____ OUT: _____

DISPOSAL FACILITY Name/No. _____

RECEIVING AREA Name/No. _____

Site Name/Permit No. Halfway Facility / NM1-006 Phone No. 675-392-6368
 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/NBLS Received	BS&W (%)
_____	_____	Free Water	_____
_____	_____	Total Received	_____

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

NAME (PRINT) John DATE _____ TITLE _____ SIGNATURE _____



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) *REQUIRED INFORMATION*

Name Kent Ketz

Phone No. _____

GENERATOR

NO. HW-719333

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

Location of Origin XTD OR 1552552
Lease/Well Name & No. WASH 42 BATTEN
County EDMONDS
API No. 1216041300
Rig Name & No. WATT 23034872
AFE/PO No. WATT 230254535

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	_____	Washout Water (Non-Injectable)	_____
Water Based Cuttings	_____	Completion Fluid/Flow Back (Non-Injectable)	_____
Produced Formation Solids	_____	Produced Water (Non-Injectable)	_____
Tank Bottoms	_____	Gathering Line Water/Waste (Non-Injectable)	_____
E&P Contaminated Soil	_____	INTERNAL USE ONLY	
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 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 (RCRA 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
Address _____
Phone No. 432-209-9209
Transporter Ticket # _____

Driver's Name Libert Howell
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 12-11-20 DRIVER'S SIGNATURE _____

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

Facility Name/Address: Halfway Facility / NM1-006
6601 Hobbs Hwy US 62 / 100 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? NP
NAME (PRINT) Alexandra P DATE 12/11/24 TITLE ADM SIGNATURE _____



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Ken 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 NASH 42 1827701V
Lease/Well Name & No. Project: 03C1554552
County Incident: MAPP 230 2 48151
API No. CAPP-2126041500
Rig Name & No. MAPP-230 2 48515
AFE/PO No. CC: 105587, 001

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	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	_____	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES				
Tank Bottoms	_____						
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 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)
- 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 AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Sonora Trucking
Address _____
Phone No. _____
Transporter Ticket # _____

Driver's Name Franz Harder
Print Name _____
Phone No. _____
Truck No. 57

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. _____

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

Phone No. 575-392-8368

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

Water Gauge	_____	_____
Oil Gauge	_____	_____
Sludge Received	_____	_____

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

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____
MADE (PRINT) _____ DATE _____ TIME _____ SIGNATURE _____



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) *REQUIRED INFORMATION*

Name Ken Betz

Phone No. _____

GENERATOR

NO. HW-691153

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

Location of Origin NASH 43 BATTERY
Lease/Well Name & No. Project: 03C1558052
County Incident: NAPP 202248121
API No. CAPP 2136047200
Rig Name & No. NAPP 302249715
AFE/PO No. SC105551001

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>			
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	<u>12</u>	Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY	_____	TOP SOIL	_____
Gas Plant Waste	_____			CAUCHE	_____		

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 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 Sen Termed
Address _____
Phone No. _____
Transporter Ticket # _____

Driver's Name Franz Helder
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. [Signature]

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

Phone No. 575-392-6360

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

Phone No.

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

NO. HW-680774

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

Location of Origin
Lease/Well Name & No.
County
API No.
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)

Table with columns for waste types (Oil Based Muds, etc.), categories (NON-INJECTABLE WATERS, INTERNAL USE ONLY), and disposal options (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 (TCDF), 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.

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation...
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards...
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...

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name
Address
Phone No.
Transporter Ticket #

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

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No.

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

Phone No. 675-392-6368

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

Table for Tank Bottoms with columns for measurements (Feet, Inches) and fluid types (BS&W/BBLs Received, Free Water, Total Received).

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED
Name (Print) Date Title Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Ken Retz

Phone No. _____

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

NO. HW- 680773

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

Location of Origin WASH 42 1507029
Lease/Well Name & No. Project: 03C/558552
County McKinley
API No. 5APP2136042300
Rig Name & No. APP2002545515
AFE/PO No. 221055851001

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>Reilly Deep</u>		
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)	QUANTITY	TOP SOIL	CALICHE
Gas Plant Waste	YES	NO		

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 90 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 Franz Hader
Print Name _____
Phone No. _____
Truck No. 59

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. 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

Height	Feet	Inches
Oil Gauge		
Water 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? _____
Signature Alexandra Date 12/16/24 Title AP/CL Signature AB



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kent RETZ

Phone No. _____

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

NO. HW- 67-351

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

Location of Origin NASH 42 B, Ptery
Lease/Well _____
Name & No. Project: 03C/558522
County Incident: NAPP 230 3 3 4 5 121
API No. NAPP 2128047300
Rig Name & No. NAPP 230 3 3 4 5 15
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	Washout Water (Non-Injectable)	_____	OTHER EXEMPT E&P WASTE STREAMS <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	_____						
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&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 STY
Address _____
Phone No. _____
Transporter Ticket # _____

Driver's Name Fred Holder
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 12-19-24 DRIVER'S SIGNATURE _____ DELIVERY DATE 12-19-24 DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. 28

Site Name/Permit No. Halfway Facility / NM1-006 Phone No. 575-887-6504
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

Name KEIT RAY

Phone No. _____

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

NO. HW-

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

Location of Origin NASH 42-3014020
Lease/Well Name & No. Project 03C1558552
County MIAMI
API No. 128047200
Rig Name & No. MPP 202545515
AFE/PO No. CC 1055831001

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	_____		
Waste 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 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 AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name STM
Address _____
Phone No. _____
Transporter Ticket # _____

Driver's Name Franz Holder
Print Name _____
Phone No. _____
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.

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

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

Site Name/Permit No. Halfway Facility / NM1-006 Phone No. 575-887-6504
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

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 DENIED If denied, why? AP
[Signature] NAME (PRINT) 12/13/24 DATE [Signature] TITLE [Signature] 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 - Bitter
Lease/Well Name & No. Project 03C1598592
County MAP 2126097800
API No. MAP 2302248121
Rig Name & No. MAP 2302248121
AFE/PO No. FC1095831001

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>
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	<u>✓</u>	Truck Washout (exempt waste)	YES _____ NO _____
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 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 30 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 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.
10-13-24 SHIPMENT DATE 10-13-24 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. 575-887-6504
Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlisbad, 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

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 _____ DENIED _____ If denied, why? _____

NAME (PRINT) DATE TITLE SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Ken Retz

Phone No. _____

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

NO. HW- 67-171

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

Location of Origin NASH 42-321129
Lease/Well Name & No. Project: 03E1558553
County Incident: WARRCO-148131
API No. FAIP 2126047300
Rig Name & No. WAPP 230254513
AFE/PO No. CC1095811001

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)	_____
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 <u>(Circled)</u>
Gas Plant Waste	_____		QUANTITY _____ TOP SOIL _____ CALICHE _____

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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 (RCRA 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 S74
Address _____
Phone No. _____
Transporter Ticket # _____

Driver's Name Franc Holder
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 10-13-04 DRIVER'S SIGNATURE _____ DELIVERY DATE 10-13-04 DRIVER'S SIGNATURE _____

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

Site Name/Permit No. Halfway Facility / NM1-006 Phone No. 575-887-6504
 Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220
 NORM READINGS TAKEN? (Circle One) YES _____ NO (Circled) If YES, was reading > 50 micro roentgens? (Circle One) YES _____ NO _____
 PASS THE PAINT FILTER TEST? (Circle One) YES _____ NO _____

TANK BOTTOMS

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

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED _____ If denied, why? _____
NAME (PRINT) DADENOVY DATE 10/13 TITLE _____ SIGNATURE _____



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kent Korte

Phone No. _____

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

NO. **HW-722248**

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

Location of Origin NASH #2 BETTIEV
Lease/Well Name & No. Project: 03C155 8552
County McKinley
API No. 54992126047300
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)	<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)	QUANTITY
Gas Plant Waste	_____	YES	NO
		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 (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 HADLER
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

12-13-24 SHIPMENT DATE 12-13-24 DELIVERY DATE

DRIVER'S SIGNATURE DRIVER'S SIGNATURE

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

Facility Name/ Permit No. Halfway Facility / NM1-006 Phone No. 575-392-6368
Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlshad, 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 (%)
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

Received by OCD: 1/31/2025 10:05:40 AM

Released to Imaging: 2/7/2025 10:18:19 AM



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Rent 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 13011 PLV
Lease/Well Name & No. Project: 03C1558852
County Incident: NAPP 230 2348131
API No. NAPP 2126047300
Rig Name & No. NAPP 230 2345815
AFE/PO No. CC-1055821001

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>Rent Retz</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&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 Sen Tel Mex
Address _____
Phone No. _____
Transporter Ticket # _____

Driver's Name FRANC H JHON
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 12-13-39 DRIVER'S SIGNATURE _____ DELIVERY DATE 12-13-39 DRIVER'S SIGNATURE _____

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

(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 Elddy

Phone No. _____ API No. Ecip 2126047300

_____ Rig Name & No. CC 1055831001

_____ AFE/PO No. Proc-2021-21112308318121 - 2302545575

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 Sen Tex Mex Driver's Name Joe Curry

Address _____ Print Name 3184795367

Phone No. _____ Phone No. _____

Transporter Ticket # _____ Truck No. 0

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. [Signature]

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 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(s) 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 Rost

Phone No. _____

GENERATOR

NO. HW-722097

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

Location of Origin MASH 47 Bumper
Lease/Well Name & No. Permit 0301558552
County ESQ
API No. 10-217604730
Rig Name & No. MASH 203345171-2 1022545515
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 <u>X</u>	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 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 12/11/24

SIGNATURE _____

TRANSPORTER

Transporter's Name Sam Tex Mex
Address _____
Phone No. _____
Transporter Ticket # _____

Driver's Name _____
Print Name _____
Phone No. 319 499 5387
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 12/11/24

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. DR

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 X NO
PASS THE PAINT FILTER TEST? (Circle One) YES X 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 X DENIED _____ If denied, why? _____
NAME (PRINT) Al Garcia DATE 12/11/24 TITLE APM SIGNATURE _____



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) *REQUIRED INFORMATION*

Name Kevin R. Ritz

Phone No. _____

GENERATOR

NO. **HW-722098**

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

Location of Origin XTO Wash 42 Darnery
Lease/Well Name & No. Project 03/1558552
County Elddy
API No. Elddy 126047300
Rig Name & No. WAPP 2303345121
AFE/PO No. WAPP 2302545515

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 (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)

Tom Curry 12-13-24 [Signature]
(PRINT) AUTHORIZED AGENT'S SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name Sam Tex Mex
Address _____
Phone No. _____
Transporter Ticket # _____

Driver's Name Tom Curry
Print Name Tom Curry
Phone No. 308 499 5357
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 12-13-24 DRIVER'S SIGNATURE [Signature]

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. 18

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

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

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

[Signature] 12/13/24 [Signature]
NAME (PRINT) DATE TITLE SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) *REQUIRED INFORMATION*

Name Kent Retz

Phone No. _____

GENERATOR

NO. **HW-724182**

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

Location of Origin _____
Lease/Well Name & No. North 42 Battery
County McMULLIN
API No. MPP217604250
Rig Name & No. CC 102523/001
AFE/PO No. PR0163C158762

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	Washout Water (Non-injectable)	_____	OTHER EXEMPT E&P WASTE STREAMS <u>Belly 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	_____	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&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 (RCRA 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 Sea Tex Mov
Address _____
Phone No. _____
Transporter Ticket # _____

Driver's Name Johan Brinson
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

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. 18

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

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



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kent Retz

Phone No. _____

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

NO. **HW-724183**

Generator Manifest # _____
Generator Name VTO
Address _____
City, State, Zip _____
Phone No. _____

Location of Origin
Lease/Well Name & No. Nash 42 Builery
County McKinley
API No. 126092300
Rig Name & No. 105533100
AFE/PO No. 1036 155533

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	_____	Washout Water (Non-Injectable)	<u>Bully Dump</u>
Water Based Cuttings	_____	Completion Fluid/Flow Back (Non-Injectable)	
Produced Formation Solids	_____	Produced Water (Non-Injectable)	
Tank Bottoms	_____	Gathering Line Water/Waste (Non-Injectable)	_____
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&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 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 Ter Meu
Address _____
Phone No. _____
Transporter Ticket # _____

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

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? AP
NAME (PRINT) Allegandra K DATE 12/13/24 TITLE ADM SIGNATURE _____



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information

Name Heath Rutz

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 Battery
County Hill
API No. 1012-03-95121-2302540510
Rig Name & No. 1055-7107
AFE/PO No. 1012-03-153852

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	_____	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 analyzed 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, 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 Small Tex LLC
Address _____
Phone No. _____
Transporter Ticket # _____

Driver's Name John 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 12-12-24 DRIVER'S SIGNATURE _____ DELIVERY DATE 12-12-24 DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. 22

Facility Name/Permit No./Address: Halfway Facility / NM1-006
6001 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	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 Frank Retz

Phone No. _____

GENERATOR

NO. **HW-724185**

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

Location of Origin
Lease/Well Name & No. Nash 42 Battery
County Grant
API No. 91422248131-23225551
Rig Name & No. CC 102521001
AFE/PO No. 102301535552

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	
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 _____
Gas Plant Waste	_____	OTHER EXEMPT E&P WASTE STREAMS	
		<u>Bully Dump</u>	
		TOP SOIL & CALICHE SALES	
		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 (TCDF), Ignitability, Corrosivity and Reactivity.
Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY: B - BARRELS _____ L - LIQUID _____ Y - YARDS 22 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 John Jansson
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 12-15-24 DRIVER'S SIGNATURE _____ DELIVERY DATE 12-15-24 DRIVER'S SIGNATURE _____

TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
IN: _____ OUT: _____	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 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/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



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) *REQUIRED INFORMATION*

Name Mont Retz

Phone No. _____

GENERATOR

NO. **HW-724186**

Generator Manifest # _____
Generator Name VTO
Address _____
City, State, Zip _____
Phone No. _____

Location of Origin _____
Lease/Well Name & No. Nash 42 Battery
County Mund... 22348121-1002250
API No. FA... 21260472
Rig Name & No. 105521001
AFE/PO No. 1036153893

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>Billy 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&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 33 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 Ter Meer Driver's Name Tobias Thiessen
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 12-13-24 DRIVER'S SIGNATURE [Signature] DELIVERY DATE 12-13-24 DRIVER'S SIGNATURE [Signature]

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

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

NO. **HW -721690**

Generator Manifest # _____
Generator Name Y70
Address _____
City, State, Zip _____
Phone No. _____

Location of Origin
Lease/Well Name & No. Nash 42 Bq/1000
County McKinley
API No. WHP 230-3348121-2302542510
Rig Name & No. CC 105521001
AFE/PO No. 13001 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	_____	Washout Water (Non-Injectable)	<u>Bully Dump</u>
Water Based Cuttings	_____	Completion Fluid/Flow Back (Non-Injectable)	
Produced Formation Solids	_____	Produced Water (Non-Injectable)	
Tank Bottoms	_____	Gathering Line Water/Waste (Non-Injectable)	_____
E&P Contaminated Soil	_____	INTERNAL USE ONLY	
Gas Plant Waste	_____	Truck Washout (exempt waste)	YES <input checked="" type="checkbox"/> NO <input 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 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 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 Sevi Tax 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 _____ DELIVERY DATE 12-13-24 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	_____	_____	_____	_____
d Guage	_____	_____	Free Water	_____
collected	_____	_____	Total Received	_____

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

NAME (PRINT) _____ DATE 12/13 TITLE _____ SIGNATURE _____



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Keat Retz

Phone No. _____

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

NO. **HW -721689**

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

Location of Origin
Lease/Well Name & No. Nash 42 Battery
County McMurry
API No. 7492126047500
Rig Name & No. CC 14583109
AFE/PO No. P. 09/15/58553

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	<input checked="" type="checkbox"/>		
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 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 John 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 IN: _____ OUT: _____	DISPOSAL FACILITY	RECEIVING AREA 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

Name Kent Retz

Phone No. _____

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

NO. **HW -721688**

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

Location of Origin
Lease/Well Name & No. Nash 42 Battery
County McKinley
API No. 5152126042300
Rig Name & No. CC 10283100
AFE/PO No. Project 9361538959

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 type="checkbox"/> NO <input checked="" type="checkbox"/>	QUANTITY	_____	TOP SOIL	_____	CALICHE	_____

Belly Dump

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 Sam Tex Mex
Address _____
Phone No. _____
Transporter Ticket # _____

Driver's Name John Thorsen
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 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>JF</u>	

Facility 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 12/13/24 TITLE _____ SIGNATURE _____



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) *REQUIRED INFORMATION*

Name Kent Retz

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 Battery
County McKinley
API No. FAR 2126092300
Rig Name & No. CC 195831001
AFE/PO No. 195831001

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>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)	QUANTITY
Gas Plant Waste	_____	YES _____ NO _____	TOP SOIL
WASTE GENERATION PROCESS:		_____	CALICHE
<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 (TCDF), 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 Sea Transport
Address _____
Phone No. _____
Transporter Ticket # _____

Driver's Name Jordan Throssen
Print Name _____
Phone No. _____
Truck No. 33

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. _____	
Site Name/Permit No./Address <u>Halfway Facility / NM1-006</u> <u>6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220</u>	Phone No. <u>575-392-0368</u>	
NORM READINGS TAKEN? (Circle One) YES <u>NO</u>	If YES, was reading > 50 micro roentgens? (Circle One) YES _____ NO _____	
PASS THE PAINT FILTER TEST? (Circle One) YES _____ NO _____		

TANK BOTTOMS

Foot	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

Company Man Contact Information

Name Neil Katz

Phone No. _____

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

NO. **HW-724180**

Generator Manifest # _____
Generator Name X70
Address _____
City, State, Zip _____
Phone No. _____

Location of Origin
Lease/Well Name & No. Mash 72 Bottom
County Grant
API No. 10-01-004-000
Rig Name & No. 10-01-004
AFE/PO No. 10-01-004-000

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	_____	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 analyzed 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 51 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 Driver's Name John Thirsson
Address _____ Print Name _____
Phone No. _____ Phone No. _____
Transporter Ticket # _____ 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 2/7/2025 DRIVER'S SIGNATURE _____ DELIVERY DATE 2/7/2025 DRIVER'S SIGNATURE _____

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

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

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

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

NAME (PRINT) DATE TITLE SIGNATURE

Received by OCD: 2/13/2025 10:05:40 AM

Released to Imaging: 2/7/2025 10:18:19 AM



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kent Ratz

Phone No. _____

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

NO. HW-720057

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

Location of Origin U444 42 Battery
Lease/Well Name & No. Pic #030953892
County WAB 2303 340121 WAPP 2303 SH 515
API No. CG 1055531001
Rig Name & No. CAIP 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	_____	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES <input type="checkbox"/> NO <input checked="" 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 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 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 <u>12-10-24</u>	DRIVER'S SIGNATURE _____
---------------------	--------------------------	-------------------------------	--------------------------

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

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

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

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



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kent Betz

Phone No. _____

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

NO. HW-720059

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

Location of Origin ASH 42 Battery
Lease/Well Name & No. Prop: # 03K1552352
County NAPP 2303348121AAPP 23025455515
API No. CC: 105583001
Rig Name & No. EAPP 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	_____	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 (TCDF), 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 Carolina
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 12-10-24 DELIVERY DATE DRIVER'S SIGNATURE

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

Site Name/Permit No. Halfway Facility / NM1-006 Phone No. 675-392-6368
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 (%)
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? AK
NAME (PRINT) Alegandra P DATE 12/10/24 TITLE AK SIGNATURE _____



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) *REQUIRED INFORMATION*

Name Kurt Ratz

Phone No. _____

GENERATOR

NO. **HW-724104**

Generator Manifest # _____
Generator Name ATO
Address _____
City, State, Zip _____
Phone No. _____

Location of Origin NASH 43 Battery
Lease/Well Name & No. Pz#1030558992
County LAPEZ 203048121 / 44W 2502545517
API No. 611055031601
Rig Name & No. DAW 2116124 7300
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

DISPOSAL QUANTITY: B - BARRELS L - LIQUID 21 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. _____	
Name/Permit No. _____	Phone No. <u>575-392-6368</u>	
Address <u>6601 Hobbs Hwy US 62 / 100 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 (%)
Guage		Free Water	
Guage		Total Received	
Guage			

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 -721276**

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

Location of Origin UASH 42 Battery
Lease/Well _____
Name & No. Proj# 081558552
County UAPP 2303398121A UAPP 2302545515
API No. CC 1033531001
Rig Name & No. UAP 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)	_____	<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&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 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 12-11-24

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. _____

Facility 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	BS&W/BBLS Received	BS&W (%)
Guage	_____	Free Water	_____
d Guage	_____	Total Received	_____
ceived	_____		

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 Ken Pate

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. 1103205853
County WAB 203749121 WAPP 2302345515
API No. 661055831001
Rig Name & No. FAPP 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	Washout Water (Non-Injectable)	_____	OTHER EXEMPT E&P WASTE STREAMS		
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	_____	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&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analyzed 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 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 SanTan 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 12-11-21

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. _____

Facility 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 > 60 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? _____

NAME (PRINT) _____

DATE 12-11-21

TITLE _____

SIGNATURE _____



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Ken Pate

Phone No. _____

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

NO. **HW-724109**

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

Location of Origin MSH 42 Bellie
Lease/Well Name & No. Pr: #0301578992
County LANE 2303249121, LAN 230234915
API No. 611059731001
Rig Name & No. LAN 230234915
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)	_____	<u>Bellie 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)	_____	TOP SOIL & CALICHE SALES	_____
Tank Bottoms	_____	INTERNAL USE ONLY		QUANTITY	TOP SOIL CALICHE
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 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 SonTex Mex Driver's Name Chanelia
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 12-12-24 DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. 28

Site Name/Permit No. Halfway Facility / NM1-006 Phone No. 575-392-6368
Address 6601 Hobbs Hwy US 62 / 160 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

1st Gauge	Feet _____ Inches _____	BS&W/BBLs Received	BS&W (%) _____
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 _____

Received by OCD: 1/31/2025 10:05:40 AM

Released to Imaging: 2/7/2025 10:18:19 AM



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kurt Kato

Phone No. _____

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

NO. **HW-724108**

Generator Manifest # _____
Generator Name X70
Address _____
City, State, Zip _____
Phone No. _____

Location of Origin LA 42 Bally
Lease/Well Name & No. Pin: # 03155552
County LA 03 270595121 LA 03 2702515515
API No. C-1055331021
Rig Name & No. LA 03 2126147300
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)	_____	<u>Balkidine</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: <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 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 Santa Mex
Address _____
Phone No. _____
Transporter Ticket # _____

Driver's Name Cornelio
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 12-12-24

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 28

Facility 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 _____	_____
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 Kenet Rote

Phone No. _____

GENERATOR

NO. **HW-724107**

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

Location of Origin UAMI 42 Pathway
Lease/Well Name & No. Prop # 03C152552
County LAPP 230749131 LAPP 2307545515
API No. 61053831001
Rig Name & No. EAP 212647300
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 Washout Water (Non-Injectable) _____ Completion Fluid/Flow Back (Non-Injectable) _____ Produced Water (Non-Injectable) _____ Gathering Line Water/Waste (Non-Injectable) _____	OTHER EXEMPT E&P WASTE STREAMS				
Oil Based Cuttings _____		<u>Belludon</u>				
Water Based Muds _____						
Water Based Cuttings _____						
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	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 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 Sen 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 12-12-24

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. _____

Facility 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

1st Gauge _____	Feet _____	Inches _____	BS&W/BBLs Received _____	BS&W (%) _____
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 Kurt Ratz

Phone No. _____

GENERATOR

NO. **HW-724106**

Generator Manifest # _____
Generator Name KTO
Address _____
City, State, Zip _____
Phone No. _____

Location of Origin 4454 42 Bottom
Lease/Well Name & No. R-1103155455
County LAPE 23034801 LAPE 2302545515
API No. 61105593101
Rig Name & No. LAPE 23047301
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)	<u>Belle duno</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&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 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 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 IN: _____ OUT: _____	DISPOSAL FACILITY	RECEIVING AREA 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

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

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED
Name (PRINT) Alcyandra R DATE 12/17/24 Title ADM If denied, why? NR
Signature _____



APPENDIX E

Laboratory Analytical Reports & Chain of Custody Documentation



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.

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".

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	Sampling Date:	12/03/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO		

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

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



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	Sampling Date:	12/03/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO		

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, SM4500CI-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

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



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	Sampling Date:	12/03/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO		

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, 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	12/04/2024	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

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



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	Sampling Date:	12/03/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO		

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, SM4500CI-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



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Analytical Results For:

ENSOLUM
 TRACY HILLARD
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/03/2024	Sampling Date:	12/03/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO		

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, 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 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 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	Sampling Date:	12/03/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO		

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, SM4500CI-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

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Analytical Results For:

ENSOLUM
 TRACY HILLARD
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/03/2024	Sampling Date:	12/03/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO		

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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Analytical Results For:

ENSOLUM
 TRACY HILLARD
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/03/2024	Sampling Date:	12/03/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO		

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, SM4500CI-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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Analytical Results For:

ENSOLUM
 TRACY HILLARD
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/03/2024	Sampling Date:	12/03/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO		

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, SM4500CI-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	Sampling Date:	12/03/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO		

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, SM4500CI-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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Analytical Results For:

ENSOLUM
 TRACY HILLARD
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/03/2024	Sampling Date:	12/03/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO		

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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Analytical Results For:

ENSOLUM
 TRACY HILLARD
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/03/2024	Sampling Date:	12/03/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO		

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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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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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.

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".

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	Sampling Date:	12/02/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

Sample ID: PH 03 0.5' (H247335-01)

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	2.15	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) 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

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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	Sampling Date:	12/02/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

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	Sampling Date:	12/02/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

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	Sampling Date:	12/02/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

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	Sampling Date:	12/02/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

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, SM4500CI-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	Sampling Date:	12/02/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

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, SM4500CI-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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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	Sampling Date:	12/02/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

Sample ID: PH 03F 6' (H247335-07)

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	2.15	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, 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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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	Sampling Date:	12/02/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

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

Cardinal Laboratories

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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	Sampling Date:	12/02/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

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	Sampling Date:	12/02/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

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, SM4500CI-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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Analytical Results For:

ENSOLUM
 TRACY HILLARD
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/03/2024	Sampling Date:	12/02/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

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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Analytical Results For:

ENSOLUM
 TRACY HILLARD
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/03/2024	Sampling Date:	12/02/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

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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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	Sampling Date:	12/02/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

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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Analytical Results For:

ENSOLUM
 TRACY HILLARD
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/03/2024	Sampling Date:	12/02/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

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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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	Sampling Date:	12/02/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

Sample ID: PH 01C 3' (H247335-15)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2024	ND	2.04	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) 99.3 % 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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Analytical Results For:

ENSOLUM
 TRACY HILLARD
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/03/2024	Sampling Date:	12/02/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

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, SM4500CI-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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Analytical Results For:

ENSOLUM
 TRACY HILLARD
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/03/2024	Sampling Date:	12/02/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

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



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	Sampling Date:	12/02/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

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	Sampling Date:	12/02/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

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, 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	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



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	Sampling Date:	12/02/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

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, SM4500CI-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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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	Sampling Date:	12/02/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

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, SM4500CI-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	Sampling Date:	12/02/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

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	Sampling Date:	12/02/2024
Reported:	12/04/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

Sample ID: PH 01K 11' (H247335-23)

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	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, 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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 3

Company Name: Ecoslim, LLC	P.O. #:
Project Manager: Tracy Hillard	Company: XTO Energy Inc.
Address: 3122 National Parks Hwy	Attn: Colton Brown
City: Carlsbad	Address: 3104 E. Green St.
Phone #: 337 257-8307	State: NM Zip: 88220
Project #: 03C1558552	City: Carlsbad
Project Name: Nash 42 Battery	State: NM Zip: 88220
Project Location:	Phone #:
Sampler Name: Connor Whitman	Fax #:

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MA T90X						DATE	TIME	BTEX	TPH	CHLORIDE
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H247335	PH05J	10	G	1							12-2-24	1405			
	PH01	0.5										1230			
	PH01A	1										1235			
	PH01B	2										1240			
	PH01C	3										1245			
	PH01D	4										1250			
	PH01E	5										1256			
	PH01F	6										1258			
	PH01G	7										1304			
	PH01H	8										1306			

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Relinquished By: *CSH*

Received By: *[Signature]*

Date: 12-3-24

Time: 1349

Turnaround Time: Standard

Thermometer ID: #140

Turnaround Temp. °C: 0.6

Sample Condition: Cool Intact

Checked By: *[Signature]*

Remarks: Cool Center: 1055431001

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

Turnaround Temp. °C: 0.6

Sample Condition: Cool Intact

Checked By: *[Signature]*

Turnaround Time: Standard

Thermometer ID: #140

Turnaround Temp. °C: 0.6

Sample Condition: Cool Intact

Checked By: *[Signature]*

Remarks: Cool Center: 1055431001



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

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.

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".

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	Sampling Date:	12/06/2024
Reported:	12/09/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

Sample ID: FS 01 10' (H247437-01)

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	12/07/2024	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) 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



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	Sampling Date:	12/06/2024
Reported:	12/09/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

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

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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	Sampling Date:	12/06/2024
Reported:	12/09/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO		

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, SM4500CI-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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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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Celey D. Keene, Lab Director/Quality Manager



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.

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.

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	Sampling Date:	12/09/2024
Reported:	12/11/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.30648,-103.92818		

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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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	Sampling Date:	12/09/2024
Reported:	12/11/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.30648,-103.92818		

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, SM4500CI-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

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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	Sampling Date:	12/09/2024
Reported:	12/11/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.30648,-103.92818		

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, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	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

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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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

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.

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.

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	Sampling Date:	12/11/2024
Reported:	12/12/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.30648,-103.92818		

Sample ID: FS 03A 11 (H247507-01)

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	12/11/2024	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) 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

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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	Sampling Date:	12/11/2024
Reported:	12/12/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.30648,-103.92818		

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, SM4500CI-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

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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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Analytical Results For:

ENSOLUM
 TRACY HILLARD
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/11/2024	Sampling Date:	12/11/2024
Reported:	12/12/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.30648,-103.92818		

Sample ID: FS 06 8 (H247507-04)

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	12/11/2024	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, SM4500CI-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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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, SM4500CI-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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Analytical Results For:

ENSOLUM
 TRACY HILLARD
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/11/2024	Sampling Date:	12/11/2024
Reported:	12/12/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.30648,-103.92818		

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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Analytical Results For:

ENSOLUM
 TRACY HILLARD
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/11/2024	Sampling Date:	12/11/2024
Reported:	12/12/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.30648,-103.92818		

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, SM4500CI-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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Analytical Results For:

ENSOLUM
 TRACY HILLARD
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/11/2024	Sampling Date:	12/11/2024
Reported:	12/12/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.30648,-103.92818		

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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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	Sampling Date:	12/11/2024
Reported:	12/12/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.30648,-103.92818		

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, SM4500CI-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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Analytical Results For:

ENSOLUM
 TRACY HILLARD
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	12/11/2024	Sampling Date:	12/11/2024
Reported:	12/12/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.30648,-103.92818		

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 2

Company Name: Ensham, LLC		BILL TO		P.O. #:		ANALYSIS REQUEST	
Project Manager: Tracy Hillard		Company: XTO Energy Inc.		FAX #:			
Address: 3122 National Parks Hwy		Attn: Colton Brown					
City: Carlsbad		Address: 3104 E Green St.					
Phone #: 337 257-8307		City: Carlsbad					
Project #: 03C1558552		State: NM Zip: 88220					
Project Name: Nash 42 Battery		Phone #:					
Project Location:		FAX #:					
Sampler Name: Connor Whitman							

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMP-LING	DATE	TIME	BTEX	TPH	CHLORIDE
1507	1507	11	C1	1	GROUNDWATER			12-1-24	12:20	✓	✓	✓
2	F503A	12			WASTEWATER					✓	✓	✓
3	F504	10			SOIL					✓	✓	✓
4	F505	8			SOIL					✓	✓	✓
5	F506	8			SLUDGE					✓	✓	✓
6	F507	8			OTHER					✓	✓	✓
7	F508	8			ACID/BASE					✓	✓	✓
8	F509	8			ICE / COOL					✓	✓	✓
9	F510	6			OTHER					✓	✓	✓
10	F511	6								✓	✓	✓
	F512	6								✓	✓	✓

PLEASE PRINT: Lab I.D. Sample I.D. Sample Depth (feet) (G)RAB OR (C)OMP. # CONTAINERS MATRIX PRESERV SAMP-LING DATE TIME BTEX TPH CHLORIDE

Delivered By: (Circle One) UPS Bus Other

Corrected Temp: °C Yes No

Sample Condition: Cool Warm Hot

Checked By: (Initials) *SK*

Relinquished By: *TH* Date: 12/1/24 Received By: *Speckmeyer*

Remarks: Cool Center 1055831001 Incident ID: NMAP2303348121 & NMAP-2302543515

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

Company Name: Epsilon, LLC Project Manager: Tracy Hillard Address: 3122 National Parks Hwy City: Carlsbad State: NM Zip: 88220 Phone #: 337 257-8307 Fax #: _____ Project #: 03C1558552 Project Owner: XTO Project Name: Nash 42 Battery Project Location: _____ Sampler Name: Connor Whitman FOR LAB USE ONLY		BILL TO P.O. #: _____ Company: XTO Energy Inc. Attn: Colton Brown Address: 3104 E. Green St. City: Carlsbad State: NM Zip: 88220 Phone #: _____ Fax #: _____		ANALYSIS REQUEST	
Lab I.D. 7507 Sample I.D. 13-11-25 1845807 82	Sample Depth (feet) 6 (G)RAB OR (C)OMP. C # CONTAINERS 1	MATRIX GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input checked="" type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER: _____	PRESERV. <input checked="" type="checkbox"/> ACID/BASE _____ ICE / COOL _____ OTHER _____	SAMPLING DATE 12-11-24 TIME 12:40	BTEX <input checked="" type="checkbox"/> TPH <input checked="" type="checkbox"/> CHLORIDE <input checked="" type="checkbox"/> CN
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ On-site Temp: 2.0 Coolest Temp: 2.0 Sample Condition Cool <input checked="" type="checkbox"/> Hot <input type="checkbox"/> For Yes No Yes No	Date: 12-11-24 Time: 15:01 Received By: Stodrigney	CHECKED BY: 82	Turnaround Time: 24 hr Standard <input checked="" type="checkbox"/> Bacteria (only) <input type="checkbox"/> Cool <input type="checkbox"/> Hot <input type="checkbox"/> Bacteri (only) <input type="checkbox"/> Cool <input type="checkbox"/> Hot <input type="checkbox"/> Observed Temp: _____ Corrected Temp: _____	REMARKS: Cool Center 1055831001 Inocul ID: NAPP23020346121 & NAPP23020545315	Vertical Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Probe #: _____ All Results are emailed. Please provide Email address: Tiberio@cardinal.com, Tiberio@cardinal.com, Mhoranson@cardinal.com

† Cardinal cannot accept verbal changes. Please email changes to caley.koenig@cardinallab.com



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.

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.

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	Sampling Date:	12/12/2024
Reported:	12/16/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.30648,-103.92818		

Sample ID: FS 14 11' (H247576-01)

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	12/13/2024	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 BTEX	<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	Sampling Date:	12/12/2024
Reported:	12/16/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.30648,-103.92818		

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	Sampling Date:	12/12/2024
Reported:	12/16/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.30648,-103.92818		

Sample ID: SW 04 0-6' (H247576-03)

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	12/13/2024	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) 99.6 % 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	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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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	Sampling Date:	12/12/2024
Reported:	12/16/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.30648,-103.92818		

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, SM4500CI-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	Sampling Date:	12/12/2024
Reported:	12/16/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.30648,-103.92818		

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, SM4500CI-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	Sampling Date:	12/12/2024
Reported:	12/16/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.30648,-103.92818		

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



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	Sampling Date:	12/12/2024
Reported:	12/16/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.30648,-103.92818		

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, 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	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

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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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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.

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.

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	Sampling Date:	12/17/2024
Reported:	12/23/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.30648,-103.92818		

Sample ID: FS 10B 8' (H247674-01)

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	12/20/2024	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, 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



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	Sampling Date:	12/17/2024
Reported:	12/23/2024	Sampling Type:	Soil
Project Name:	NASH 42 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C1558552	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.30648,-103.92818		

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

BILL TO

ANALYSIS REQUEST

Company Name: Erickson, LLC
 Project Manager: Tracy Hillard
 Address: 3122 National Parks Hwy
 City: Carlsbad State: NM Zip: 88220
 Phone #: 337 257-8307 Fax #:
 Project #: 03C1558552 Project Owner: XTO
 Project Name: Nash 42 Battery
 Project Location:
 Sampler Name: Connor Whitman
 P.O. #:
 Company: XTO Energy Inc.
 Attn: Colton Brown
 Address: 3104 E. Green St.
 City: Carlsbad State: NM Zip: 88220
 Phone #:
 Fax #:

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME	BTEX	TPH	CHLORIDE
HA047674	FS10B FS25	8		3										12-17-24	935			
															945			

PLEASE NOTE: Liability and Damages. Cardinal's liability and damages are limited to the amount paid by you for the analysis. We do not assume liability for any other costs whatsoever that be deemed related to this analysis. We do not assume liability for any other costs whatsoever that be deemed related to this analysis. We do not assume liability for any other costs whatsoever that be deemed related to this analysis.

Relinquished By: *CAH* Date: 12-19-24 Received By: *Juanita Chalkley* Date: 12-15-24
 Relinquished By: *CAH* Date:
 Received By: *Juanita Chalkley* Date:
 Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address:
 Theiler@cardinal.com, Theiler@cardinal.com, Kromann@cardinal.com
 REMARKS: Coal Center: 1005801001 Inocul ID: NAPP200348121 & NAPP200244515

Delivered By: (Circle One) UPS Bus Other:
 Overhead Temp: °C 0.1 Sample Condition: Cool Intact Yes No Yes No
 Corrected Temp: °C 50.5
 Turnaround Time: Standard Rush
 Bacteria (only) Sample Condition: Cool Intact Yes No Yes No
 Corrected Temp: °C
 Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallab.com



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.

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>
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>02/03/2023</u>

Location:	Nash 42 Tank Battery	
Spill Date:	1/27/2023	
Area 1		
Approximate Area =	8159.00	sq. ft.
Average Saturation (or depth) of spill =	2.00	inches
Average Porosity Factor =	0.03	
VOLUME OF LEAK		
Total Crude Oil =	0.00	bbbls
Total Produced Water =	10.27	bbbls
TOTAL VOLUME OF LEAK		
Total Crude Oil =	0.00	bbbls
Total Produced Water =	10.27	bbbls
TOTAL VOLUME RECOVERED		
Total Crude Oil =	0.00	bbbls
Total Produced Water =	3.00	bbbls

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 C-10)	DRO (C10 C28)	GRO + DRO	MRO (C28 C35)	Total GRO/DRO/MRO	(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
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 (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)
								GRO (C6 C-10)	DRO (C10 C28)	GRO + DRO (mg/kg)	MRO (C28 C35)	Total GRO/DRO/MRO (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

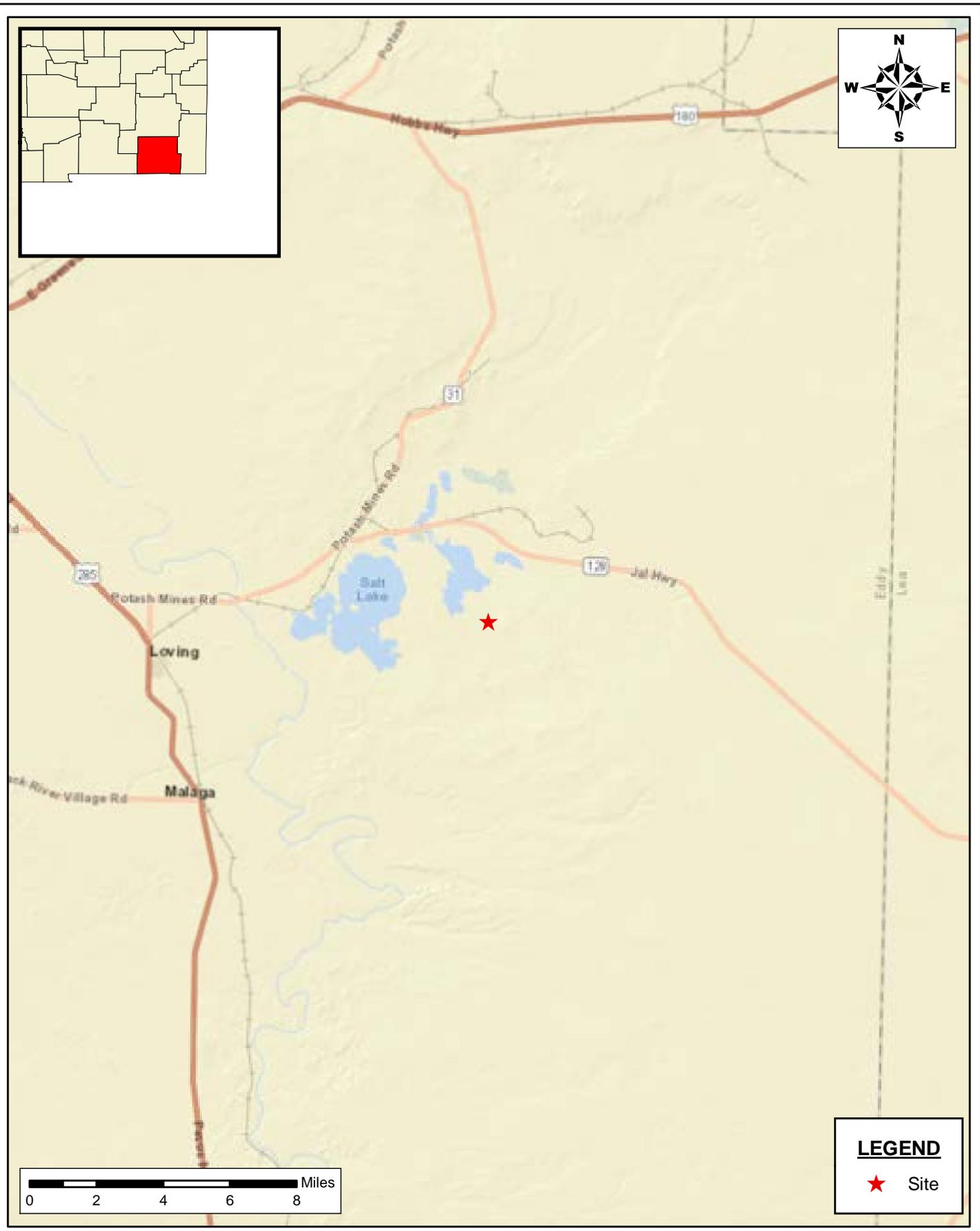
Notes:

- 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

Document Path: P:\2023 PROJECTS\XTO Energy\RSC\237197 - Nash 42 Battery\7- Figures\GIS\Figure_1_Area Map_DH.mxd



LEGEND

★ Site

Area Location Map
 XTO Energy
 Nash 42 Battery
 Eddy County, New Mexico
 32.30657, -103.92860

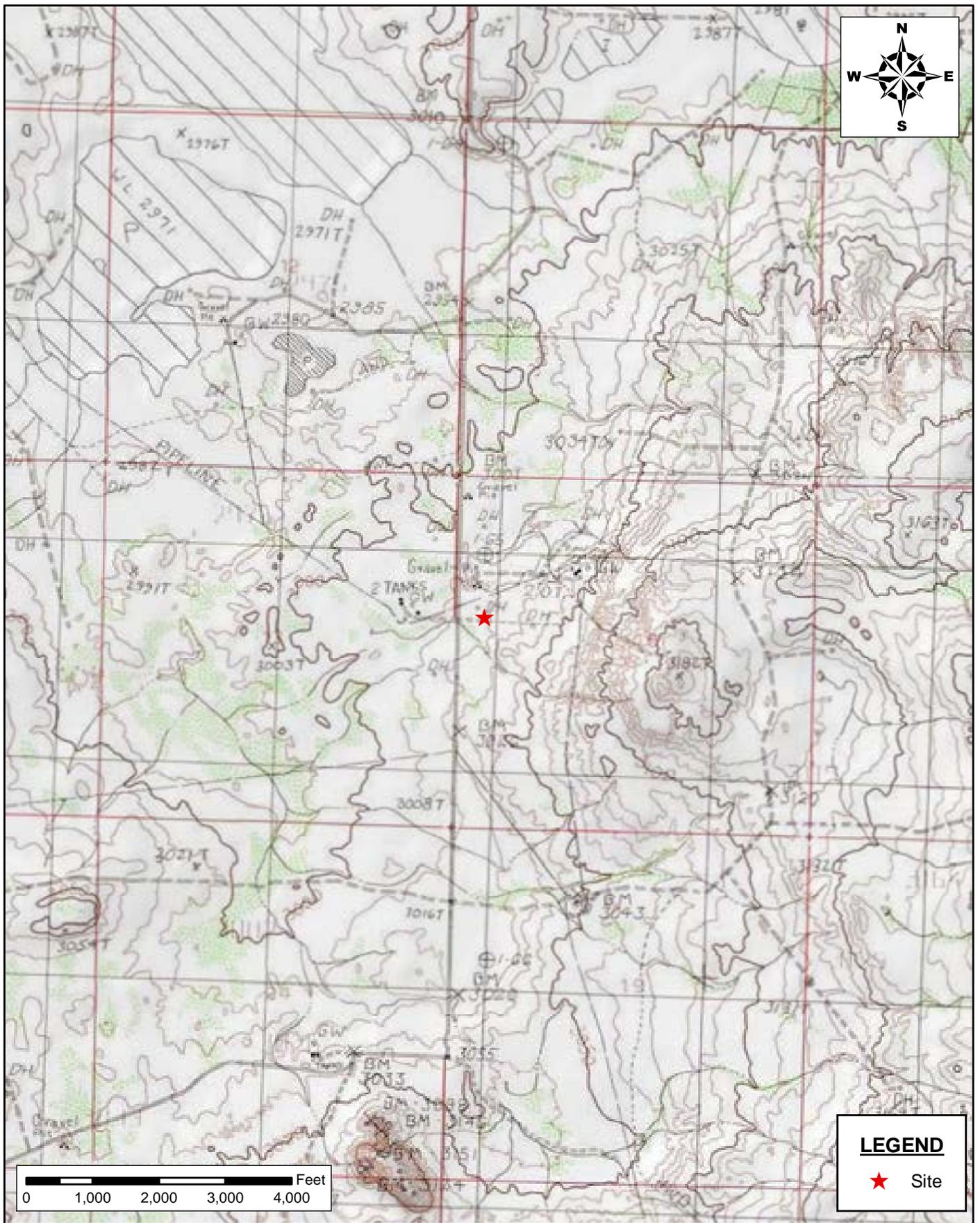
SCALE: As Shown DATE: 4/12/2023 PROJECT #: 237197

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

NOTES:
 1. Base Image: ESRI Maps & Data 2013
 2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 1
 SHEET NUMBER:
1 of 1

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

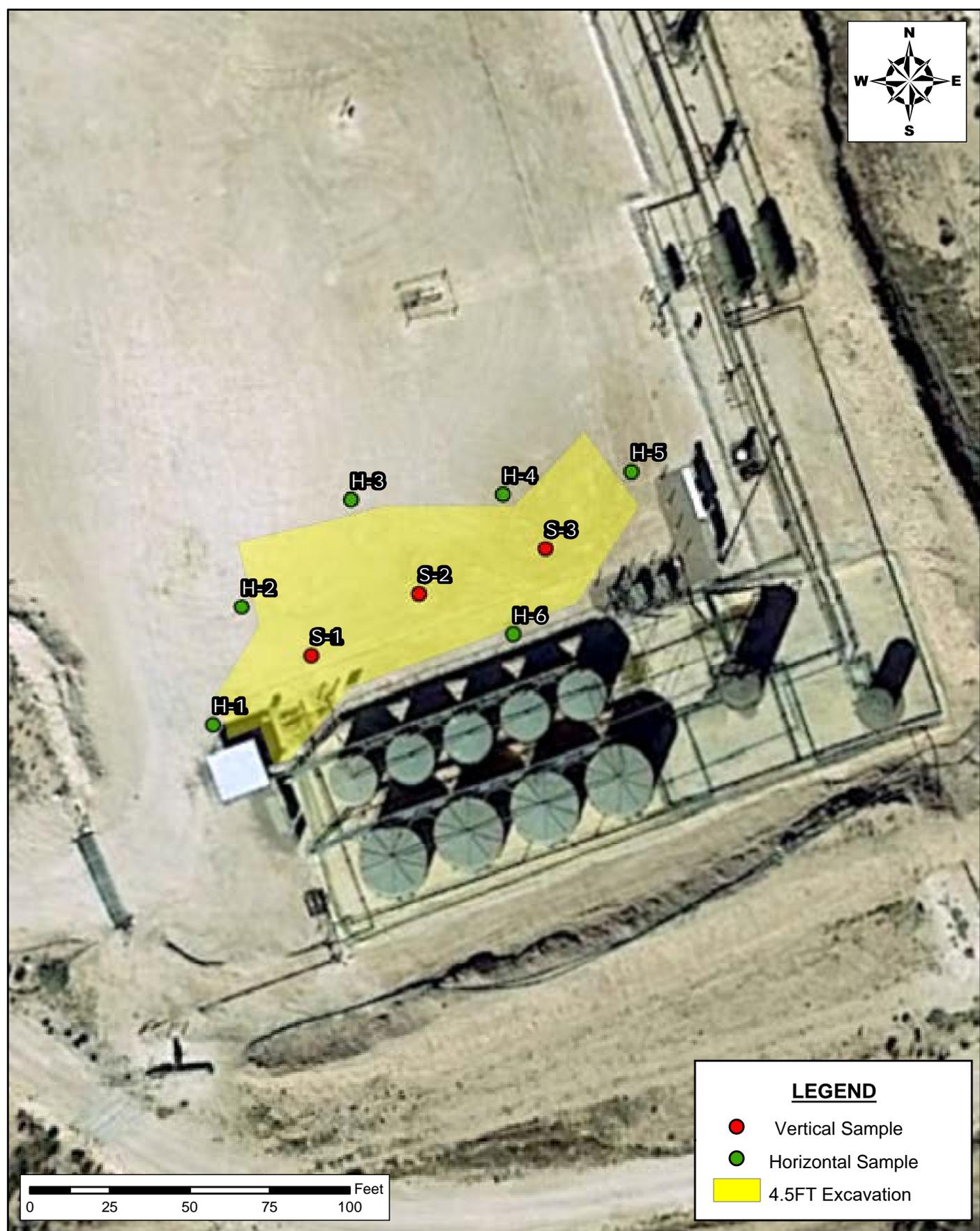
SCALE: As Shown DATE: 4/12/2023 PROJECT #: 237197

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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



SITE MAP
 XTO Energy
 Nash 42 Battery
 Eddy County, New Mexico
 32.30657, -103.92860

SCALE: As Shown DATE: 4/12/2023 PROJECT #: 237197

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NOTES:
 1. Base Image: ESRI Maps & Data 2013
 2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 3
 SHEET NUMBER:
1 of 1

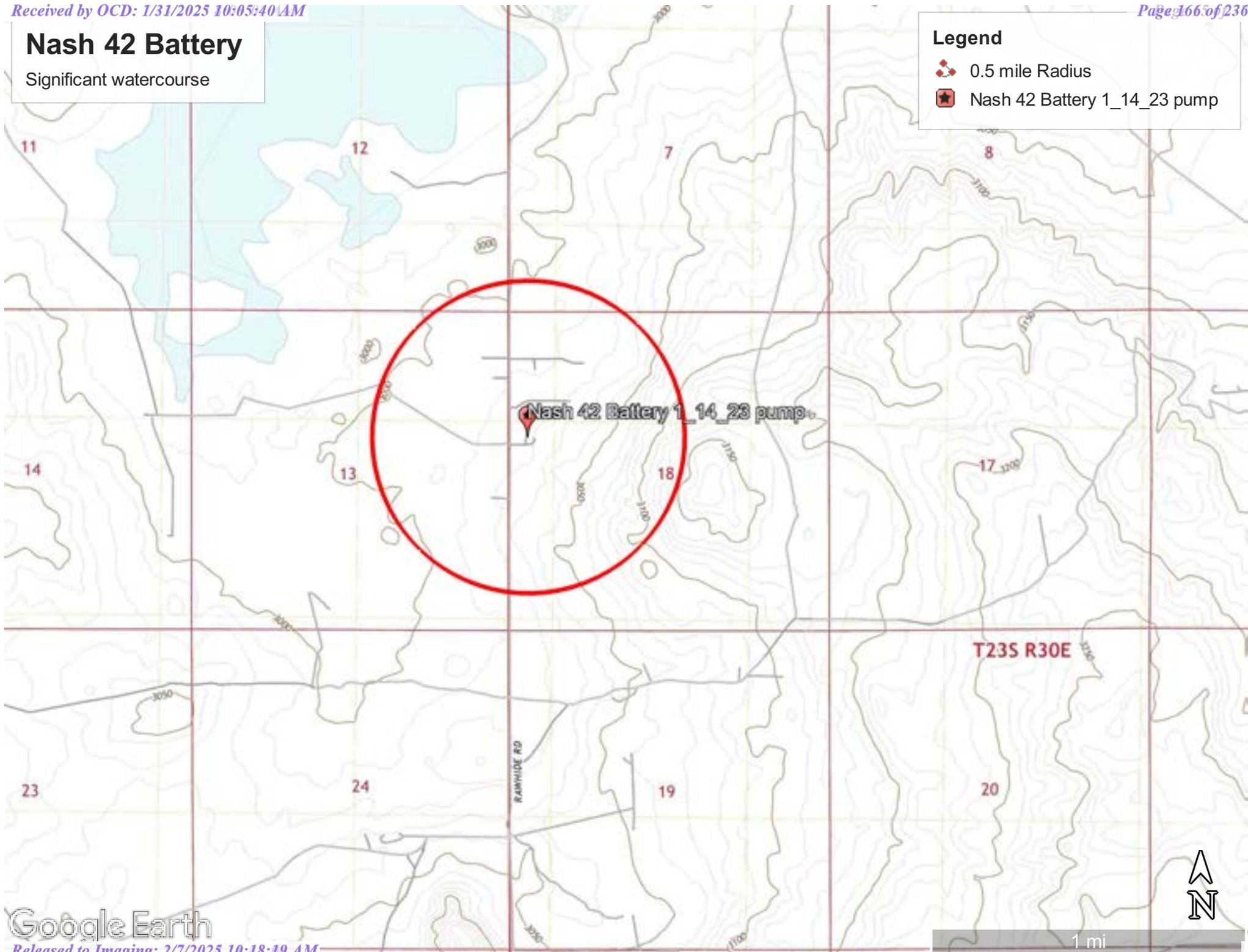
Site Characterization Information

Nash 42 Battery

Significant watercourse

Legend

-  0.5 mile Radius
-  Nash 42 Battery 1_14_23 pump

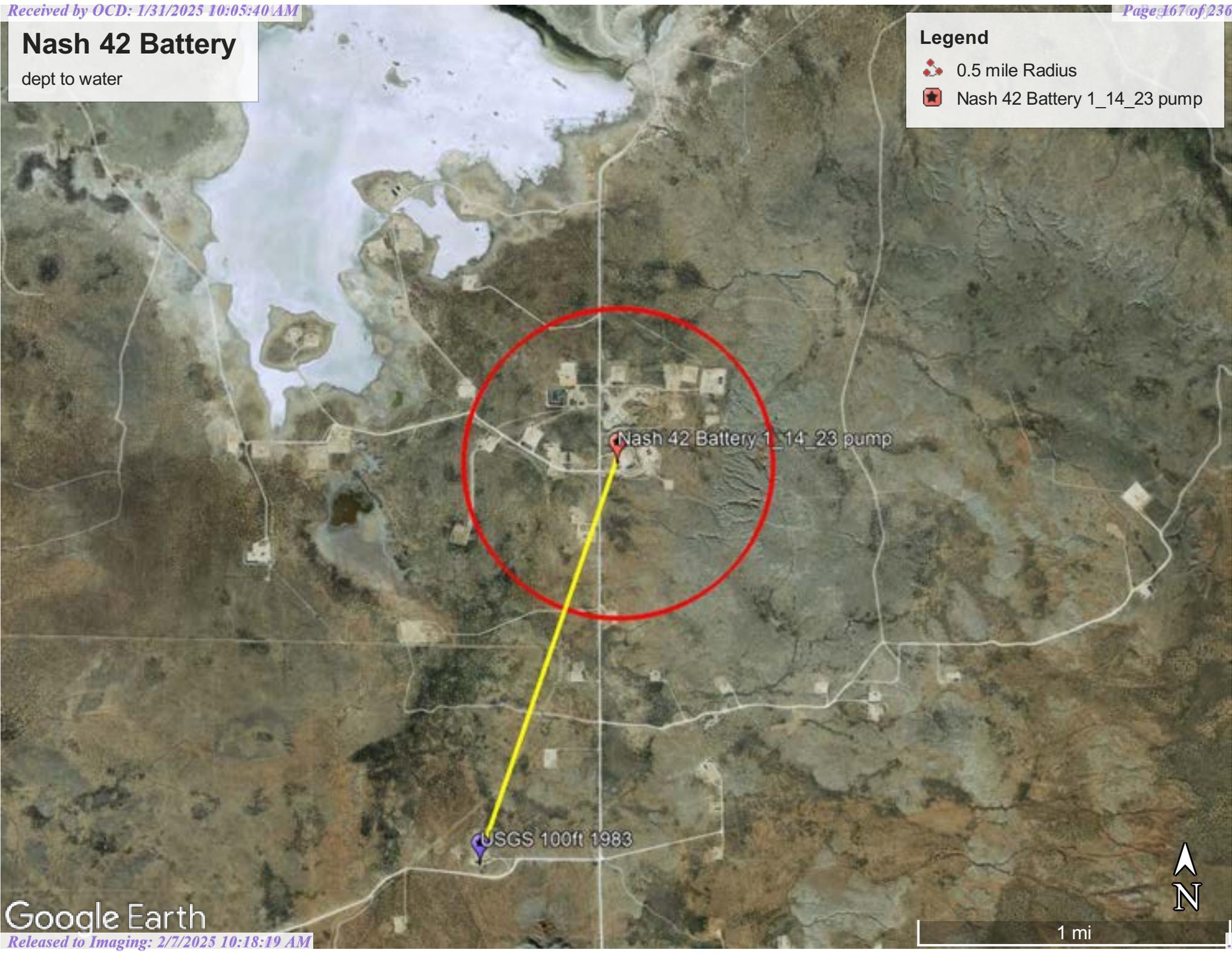


Nash 42 Battery

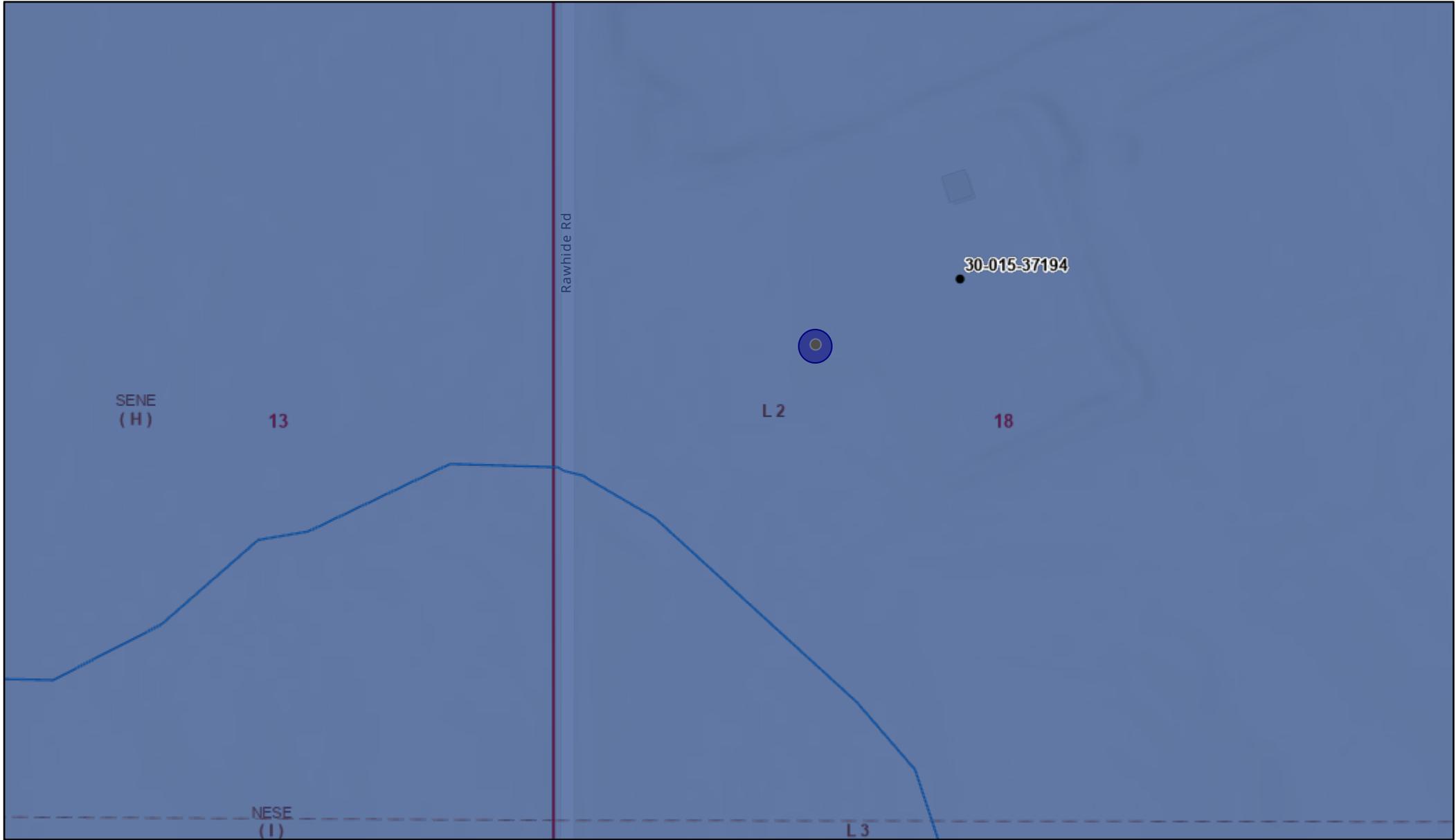
dept to water

Legend

-  0.5 mile Radius
-  Nash 42 Battery 1_14_23 pump

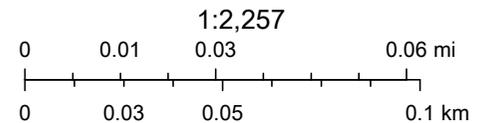


OCD Well Locations



3/21/2023, 9:44:35 AM

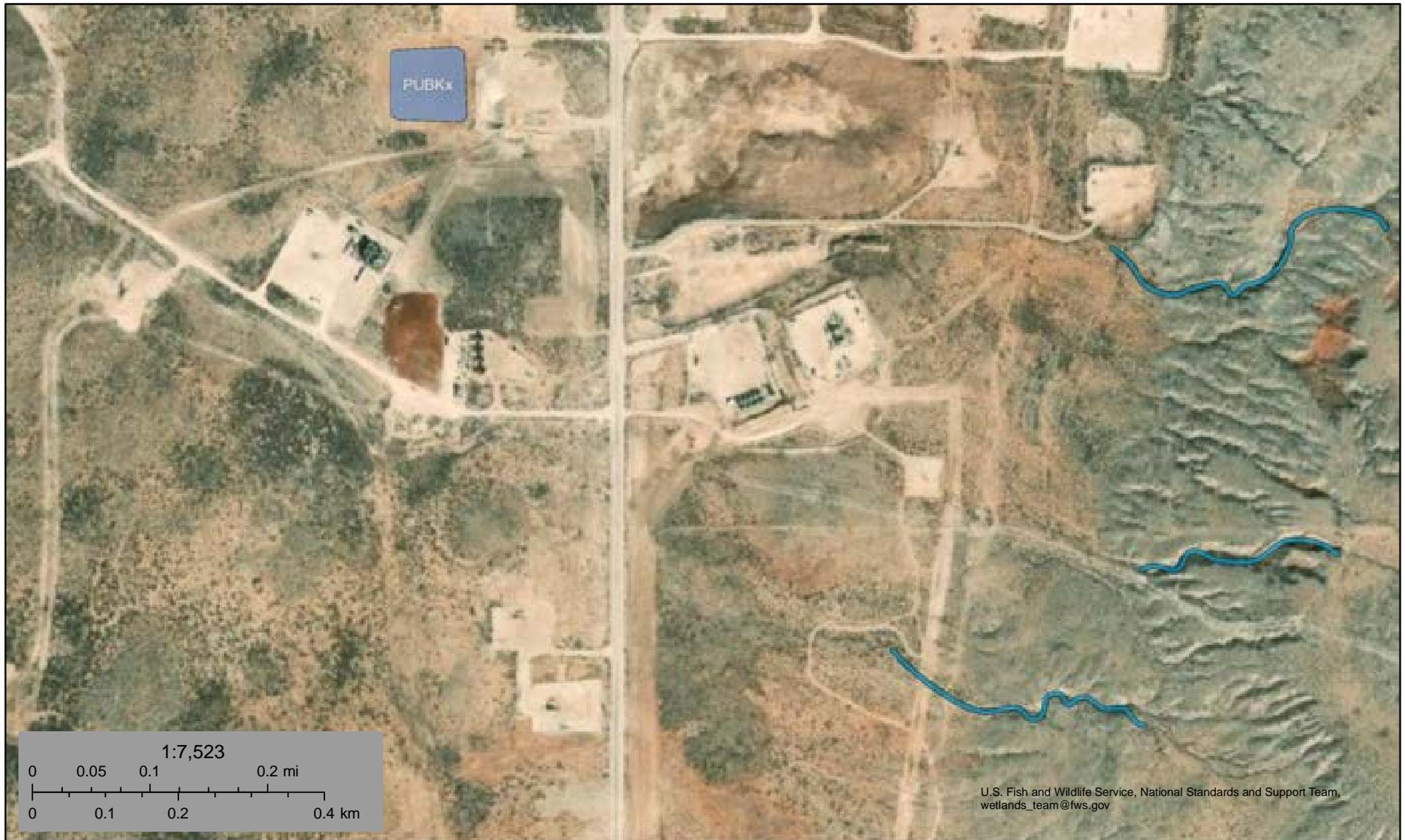
- | | | | |
|---------------------|----------|--------------------------|----------------------------|
| Override 1 | OSE PODs | Changed Location of Well | Karst Occurrence Potential |
| Wells - Large Scale | Active | Capped | High |
| Oil, Active | Inactive | Plugged | OSE Streams |
| Pending | Unknown | 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,

Released to Imaging: 2/7/2025 10:18:19 AM

wetland



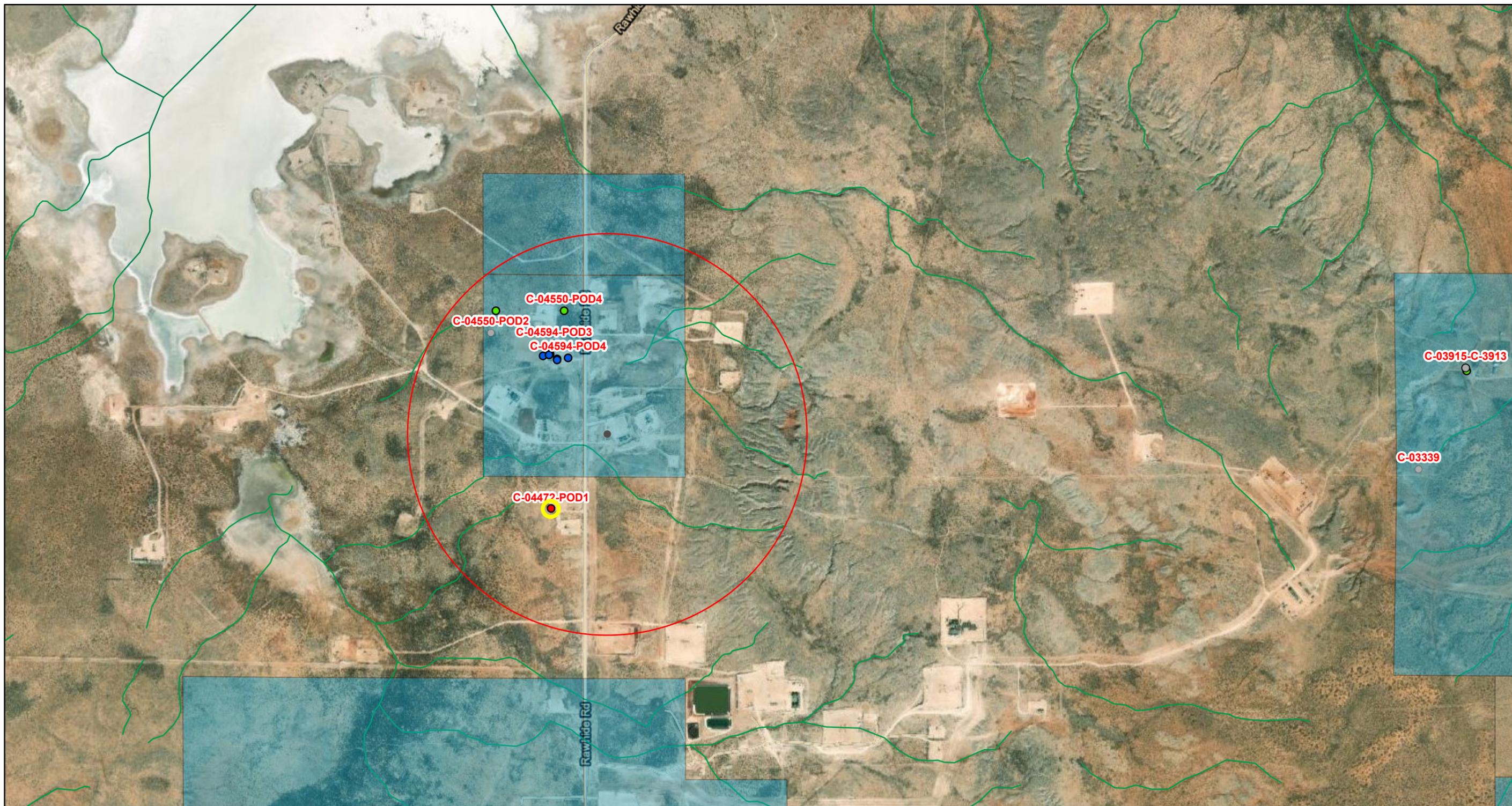
March 21, 2023

Wetlands

- | | | | | | |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland |  | Lake |
|  | Estuarine and Marine Wetland |  | Freshwater Forested/Shrub Wetland |  | Other |
| | |  | Freshwater Pond |  | 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

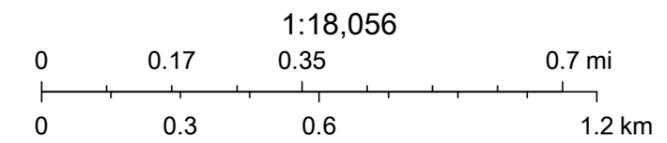
GIS WATERS PODs

- Active
- Pending
- Plugged

- OSE District Boundary
- New Mexico State Trust Lands
- Subsurface Estate

- Both Estates
- NHD Flowlines
- Counties
- Artificial Path
- Connector
- Site Boundaries

Stream River



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



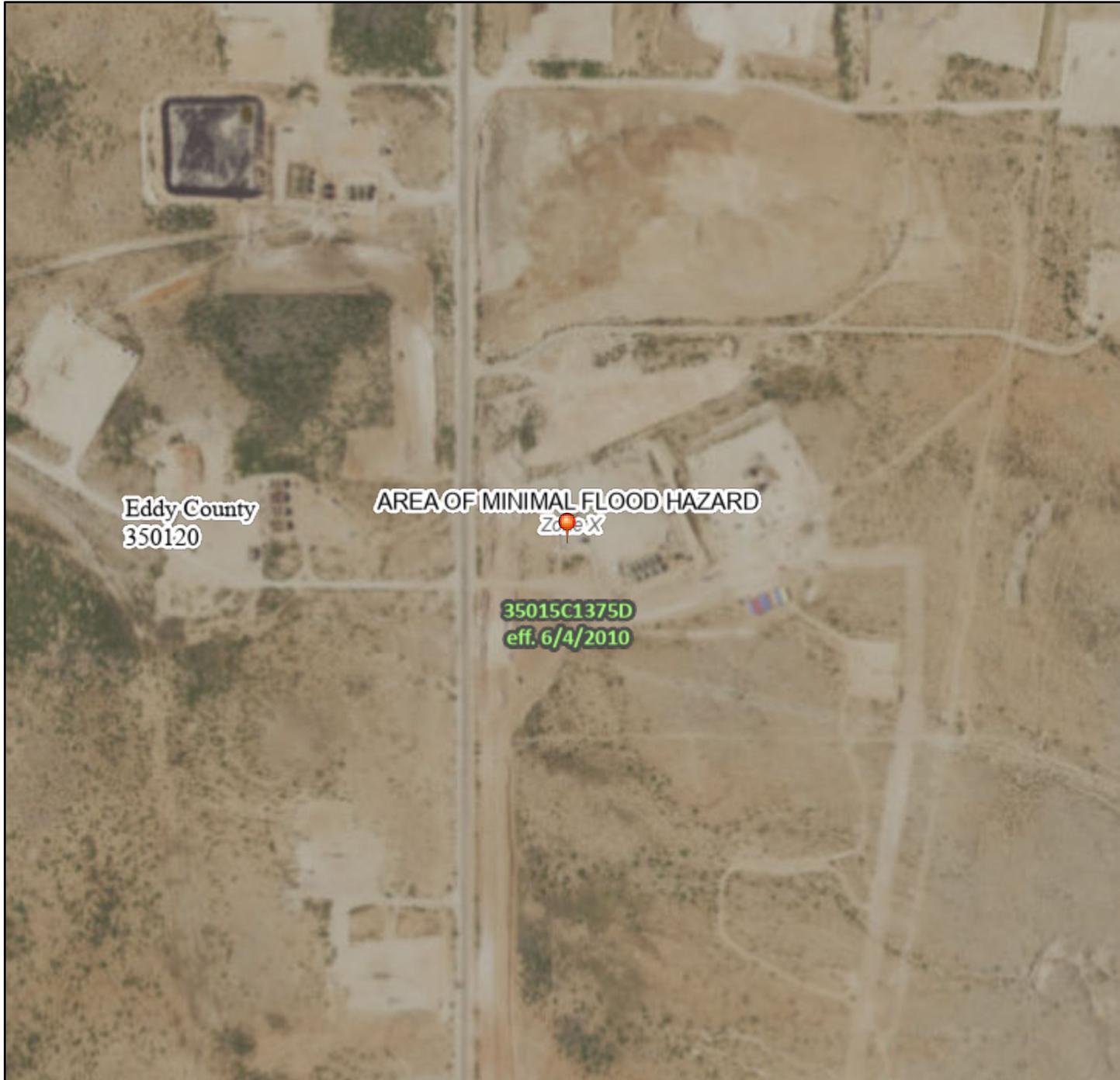
National Water Information System: Mapper



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)
<i>Zone A, V, A99</i> |
| | | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i> |
| | | Regulatory Floodway |
| OTHER AREAS OF FLOOD HAZARD | | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i> |
| | | Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i> |
| | | Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i> |
| | | Area with Flood Risk due to Levee <i>Zone D</i> |
| OTHER AREAS | | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i> |
| | | Effective LOMRs |
| GENERAL STRUCTURES | | Area of Undetermined Flood Hazard <i>Zone D</i> |
| | | Channel, Culvert, or Storm Sewer |
| | | Levee, Dike, or Floodwall |
| OTHER FEATURES | | 20.2 Cross Sections with 1% Annual Chance |
| | | 17.5 Water Surface Elevation |
| | | Coastal Transect |
| | | Base Flood Elevation Line (BFE) |
| | | Limit of Study |
| | | Jurisdiction Boundary |
| MAP PANELS | | Coastal Transect Baseline |
| | | Profile Baseline |
| | | Hydrographic Feature |
| | | Digital Data Available |
| | | No Digital Data Available |
| | | Unmapped |
- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

XTO Energy

Photograph No. 1

Facility: Nash 42 Battery

County: Eddy County, New Mexico

Description:
Area of Concern.

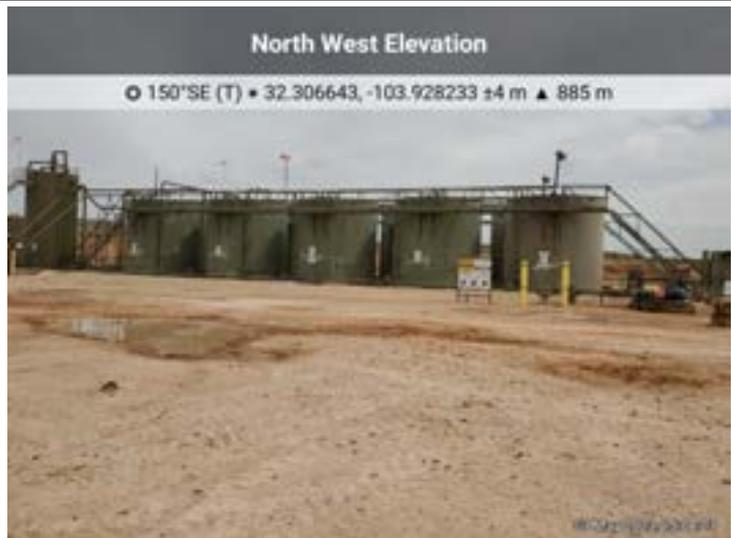


Photograph No. 2

Facility: Nash 42 Battery

County: Eddy County, New Mexico

Description:
Area of Concern.

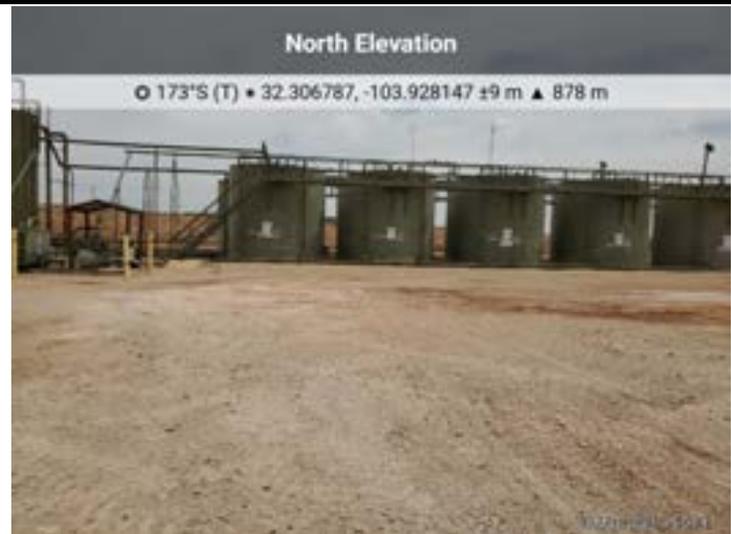


Photograph No. 3

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.

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.

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



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 (1-1.5') (H231584-02)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	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: 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

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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	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 (2-2.5') (H231584-03)

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	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	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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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 (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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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 (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	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 (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, 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 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 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	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 - 2 (0-0.5') (H231584-07)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	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	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	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 - 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, SM4500CI-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	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 - 2 (2-2.5') (H231584-09)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	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	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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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	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 - 2 (3-3.5') (H231584-10)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	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) 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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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 - 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	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 - 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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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	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 - 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, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3400	16.0	04/06/2023	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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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	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 - 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, SM4500CI-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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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 - 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, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	04/06/2023	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	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 - 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, 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	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	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 - 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, SM4500CI-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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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 - 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, SM4500CI-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



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: 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, SM4500CI-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	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: 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, SM4500CI-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	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: 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	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: 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	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: 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, SM4500CI-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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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: 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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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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H231584

Page 1 of 3

Project Manager:	Ethan Seussarts	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:	254-266-5456	Email:	garrett.green@xtoenergy.com
Project Name:	Nash 42 Battery	Turn Around	<input checked="" type="checkbox"/> Hourly <input type="checkbox"/> Rush
Project Number:	237197	Due Date:	
Project Location:	Eddy County, NM	TAT starts the day received by the lab. If received by 4:30pm	
Sampler's Name:	Kellan Smith	PO #:	1055631001

Program:	UST/PT <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> P-ST/UST <input type="checkbox"/> PRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other <input type="checkbox"/>

Received Inhibit:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	713
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Correction Factor:	-0.04
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Temperature Reading:	0.52
Total Containers:		Connected Temperature:	-0.12

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Preservative Codes
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	
S-1 (0-0.5')	3/30/2023		X		Grab	1	X	X	X	
S-1 (1-1.5')	3/30/2023		X		Grab	1	X	X	X	
S-1 (2-2.5')	3/30/2023		X		Grab	1	X	X	X	
S-1 (3-3.5')	3/30/2023		X		Grab	1	X	X	X	
S-1 (4-4.5')	3/30/2023		X		Grab	1	X	X	X	
S-1 (5-5.5')	3/30/2023		X		Grab	1	X	X	X	
S-2 (0-0.5')	3/30/2023		X		Grab	1	X	X	X	
S-2 (1-1.5')	3/30/2023		X		Grab	1	X	X	X	
S-2 (2-2.5')	3/30/2023		X		Grab	1	X	X	X	
S-2 (3-3.5')	3/30/2023		X		Grab	1	X	X	X	

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	4/5/2023 8:35	<i>[Signature]</i>	<i>[Signature]</i>	4-5-23 12:15



Chain of Custody

Work Order No: H231584

Page 2 of 3

Project Manager: Ethan Sessanis
 Company Name: NTG Environmental
 Address: 402 E Wood Ave
 City, State Zip: Carlsbad, NM 86220
 Phone: 254-266-5456
 Email: garrett.green@ntgenv.com

Bill to: (if different)
 Company Name: Garrett Green
 Address: 3104 E Greene St
 City, State Zip: Carlsbad, NM 86220

Work Order Comments
 Program: UST/PST PRRP Brownfields PRC Superfund
 State of Project: Level I Level II Level III PST/UST RRP Level IV
 Reporting Level: EDO ADAPT Other:

Project Name: Nash 42 Battery
 Project Number: 237197
 Project Location: Eddy County, NM
 Sampler's Name: Kellan Smith
 PO #: 1056631001

Turn Around: Routine Rush
 Due Date: TAT starts the day received by the lab. If received by 4:30pm

Received Select: Temp Blank: Yes No
 Cooler Outdry Seals: Yes No
 Sample Outdry Seals: Yes No
 Total Containers: Connected Temperature: -0.1°C

Thermometer ID: 113
 Correction Factor: -0.6°C
 Temperature Reading: 0.5°C

Sample Identification	Date	Time	Soil	Water	Grab Comp	# of Cont	Parameters			Preservative Codes	Sample Comments
							BTEX 8621B	TPH 8615M (GRO + DRO + MRO)	Chloride 4500		
S-2 (4-4.5')	3/30/2023		X		Grab	1	X	X	X		
S-2 (5-5.5')	3/30/2023		X		Grab	1	X	X	X		
S-3 (0-0.5')	3/30/2023		X		Grab	1	X	X	X		
S-3 (1-1.5')	3/30/2023		X		Grab	1	X	X	X		
S-3 (2-2.5')	3/30/2023		X		Grab	1	X	X	X		
S-3 (3-3.5')	3/30/2023		X		Grab	1	X	X	X		
S-3 (4-4.5')	3/30/2023		X		Grab	1	X	X	X		
S-3 (5-5.5')	3/30/2023		X		Grab	1	X	X	X		
H-1 (0-0.5')	3/30/2023		X		Grab	1	X	X	X		
H-2 (0-0.5')	3/30/2023		X		Grab	1	X	X	X		

Additional Comments:

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Relinquished by: (Signature) [Signature] Received by: (Signature) [Signature] Date/Time: 4/5/2023 8:35am

Relinquished by: (Signature) [Signature] Received by: (Signature) [Signature] Date/Time: 4/5/2023 8:35am



Chain of Custody

Work Order No:

11251584

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:	254-286-5456	Email:	garrett.green@xtoenergy.com
Project Name:	Nash 42 Battery	Turn Around	<input checked="" type="checkbox"/> Soave <input type="checkbox"/> Rush
Project Number:	237197	Due Date:	
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Kellan Smith	PO #	1055831001

Work Order Comments

Program: UST/PST PRP Brownfields PRC Superfund

State of Project: Level II Level III PST/UST PRP Level IV

Deliverables: EDD ADAPT Other:

Sample Identification	Date	Time	Soil	Water	Grab Comp	# of Cont	Parameters		ANALYSIS REQUEST	Preservative Codes	Sample Comments
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)			
H-3 (0-0.5')	3/30/2023		X		Grab	1	X	X			
H-4 (0-0.5')	3/30/2023		X		Grab	1	X	X			
H-5 (0-0.5')	3/30/2023		X		Grab	1	X	X			
H-6 (0-0.5')	3/30/2023		X		Grab	1	X	X			

Additional Comments:

Signature of the document and relinquishment of samples constitutes a valid purchase order from client company to Xerox, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xerox 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 Xerox. A minimum charge of \$95.00 will be applied to each project and a charge of \$5 for each sample submitted to Xerox, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	4/5/2023	<i>[Signature]</i>	<i>[Signature]</i>	4-5-23 12:35



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.

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".

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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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	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 (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	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 (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, SM4500CI-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	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 (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	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 (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, SM4500CI-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	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 - 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	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 - 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

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	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 - 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



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 - 2 (9') (H232207-09)

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	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	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	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 - 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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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	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 - 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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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	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 - 3 (7') (H232207-12)

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	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	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	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 - 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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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	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 - 3 (9') (H232207-14)

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	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	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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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 - 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, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	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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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: 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, 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 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

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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: 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, 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 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.1 % 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	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: 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, 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 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	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: 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, 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 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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Chain of Custody

Work Order No: H232207

Page 2 of 2

Project Manager: Ethan Sessums
 Company Name: NTG Environmental
 Address: 402 E Wood Ave
 City, State ZIP: Carlsbad, NM 88220
 Phone: 254-266-5456

Bill to: (if different)
 Company Name: Garrett Green
 Address: 3104 E Greene St
 City, State ZIP: Carlsbad, NM 88220
 Email: garrett.green@comcast.net

Work Order Comments
 Program: UST/PST P/P Brownfields BRC Superfund
 State of Project:
 Reporting Level II Level III PST/UST P/P Level IV
 Deliverables: EDO ADAPT Other: _____

Project Name: Nish 42 Battery
 Project Number: 237197
 Project Location: Eddy County, NM
 Sampler's Name: Kellan Smith
 PO #: 1659631001

Turn Around: Routine Rush
 Due Date: 48hr
 TAT starts the day received by the lab, if received by 4:30pm

Received Inland: Yes No
 Cooler Custody Seals: Yes No
 Sample Custody Seals: Yes No
 Total Containers: _____

ANALYSIS REQUEST

None: NO	DI Water: H ₂ O
Cool Cool	MeOH: Me
HCL: HCl	HNO ₃ : HN
H ₂ SO ₄ : H ₂	NaOH: Na
H ₂ PO ₄ : HP	
NaHSO ₄ : NABIS	
Na ₂ S ₂ O ₈ : NaSO ₄	
Zn Acetate+NaOH: Zn	
NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab Comp	# of Cont	Parameters			Sample Comments
							BTEX 8021B	TPH 8015M (GRD + DRG + MRO)	Chloride 4500	
TP-3 (6)	5/4/2023		X		Grab	1	X	X	X	
TP-3 (7)	5/4/2023		X		Grab	1	X	X	X	
TP-3 (8)	5/4/2023		X		Grab	1	X	X	X	
TP-3 (9)	5/4/2023		X		Grab	1	X	X	X	
TP-3 (10)	5/4/2023		X		Grab	1	X	X	X	
H-2A (0-0.5')	5/4/2023		X		Grab	1	X	X	X	
H-3A (0-0.5')	5/4/2023		X		Grab	1	X	X	X	
H-4A (0-0.5')	5/4/2023		X		Grab	1	X	X	X	
H-5A (0-0.5')	5/4/2023		X		Grab	1	X	X	X	

Additional Comments:

Note: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xerox, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xerox 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 Xerox. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xerox, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	5/4/23 1105			

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

QUESTIONS

Action 427096

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 427096
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2302545515
Incident Name	NAPP2302545515 NASH 42 BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	NASH 42 BATTERY
Date Release Discovered	01/14/2023
Surface Owner	State

Incident Details	
<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

Nature and Volume of Release	
<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: 8 BBL Recovered: 5 BBL Lost: 3 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 427096

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 427096
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	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	<i>Unavailable.</i>

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 01/31/2025
--	--

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Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
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QUESTIONS, Page 3

Action 427096

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 427096
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 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
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 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

Remediation Plan

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

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

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

Chloride (EPA 300.0 or SM4500 Cl B)	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

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

On what estimated date will the remediation commence	01/14/2024
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

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

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

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Oil Conservation Division
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QUESTIONS, Page 4

Action 427096

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 427096
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

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

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site 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.

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

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

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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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.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 427096

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 427096
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 427096

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 427096
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	411727
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/20/2024
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 427096

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 427096
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 427096

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 427096
	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 #NAPP2302545515 NASH 42 BATTERY, thank you. This Remediation Closure Report is approved.	2/7/2025