



April 30, 2025

New Mexico Oil Conservation Division

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

**Re: Closure Request
Corral Canyon 16-9 State FED Com 121H
Incident Number nAPP2425666588 and nAPP2427451370
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 excavation and soil sampling activities performed at the Corral Canyon 16-9 State FED Com 121H (Site). The purpose of excavation and soil sampling activities, conducted in accordance with an approved *Remediation Work Plan (Work Plan)*, was to address impacts to soil resulting from two releases of produced water at the Site. XTO is submitting this *Closure Request*, describing excavation activities that have occurred and requesting no further action for Incident Numbers nAPP2425666588 and nAPP2427451370.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit N, Section 16, Township 25 South, Range 29 East, in Eddy County, New Mexico (32.123183°, -103.9971386°) and is associated with oil and gas exploration and production operations on State Trust Land managed by the New Mexico State Land Office (SLO) under lease number V049020001 and Federal Land managed by the Bureau of Land Management (BLM).

On September 12, 2024, produced water piping valves were inadvertently left open resulting in the release of 680 barrels (bbls) of produced water into a temporary lined containment and onto the surface of the well pad. A vacuum truck was dispatched to the Site to recover free standing fluids, and approximately 660 bbls of released fluids were recovered. XTO immediately reported the release to the New Mexico Oil Conservation Division (NMOCD) and submitted an Initial C-141 Application (C-141) on September 13, 2024. The release was assigned Incident Number NAPP2425666588.

On September 30, 2024, a produced water flex line had a blowout which resulted in the release of 265 barrels (bbls) of produced water into a temporary lined containment and onto the surface of the well pad. Some of the released fluids sprayed beyond the containment walls. A vacuum truck was dispatched to the Site to recover free standing fluids, and approximately 260 bbls of released fluids were recovered. XTO immediately reported the release to the NMOCD and submitted a C-141 on October 1, 2024. The release was assigned Incident Number nAPP2427451370.

As stated in the *Work Plan*, when the release location information was submitted onto the NMOCD portal immediately after the release occurred for Incident Number nAPP2427451370, it was mistakenly submitted approximately 1.7 miles northwest of the Site. The release location information provided

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above is correct and was verified with photos collected from the Site immediately after the release occurred.

Ensolum conducted Site assessment and delineation activities and presented the results in the *Work Plan*. The *Work Plan* was submitted on December 11, 2024, and approved by the NMOCD on January 8, 2025. The *Work Plan* proposed excavation of impacted soil and collection of confirmation soil samples on the surface of the facility pad, within the release extent area, where delineation soil sample laboratory analytical results suggested concentrations were below the Closure Criteria. The release extent areas and delineation soil sample locations are depicted on Figure 1.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

As documented in the approved *Work Plan*, 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

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Ensolum personnel were onsite from February 12, 2025 through April 16, 2025 to oversee excavation of impacted soil according to the approved *Work Plan*. Prior to beginning excavation activities, the temporary lined containment and nearby production equipment was removed from the work area, allowing full access to the impacted soil identified in delineation soil sample BH01 at 0.5 feet bgs, located directly underneath the liner. Excavation activities were performed by use of heavy equipment. To direct excavation activities, soil was field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Since the release occurred in multiple areas on the pad, six different excavation extents were completed to remove all impacted soil. Once field screenings indicated impacted soil was adequately removed, 5-point composite soil samples were collected every 200 square feet from the floor and sidewalls of the excavation extent. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Confirmation soil samples FS01 through FS27 were collected from the floor of the excavation at depths of ranging 1-foot to 6 feet bgs. Confirmation soil samples SW01 through SW14 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 6 feet bgs. Confirmation soil samples CS01 through CS04, CS08, CS09, CS11 through CS16 were collected on the pad surface, within the release extent area. All confirmation soil sample locations were mapped utilizing a handheld global positioning system (GPS) unit and are depicted on Figure 2.

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

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The final excavation extents measured a total of 4,850 square feet. A total of approximately 840 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and disposed of at the R360 Landfill Disposal facility in Hobbs, New Mexico. Disposal manifests can be found in Appendix B. The final excavation was fenced off pending backfill activities.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for CS08, CS11 through CS14, FS10, SW10 and SW11 indicated TPH concentrations exceeded Closure Criteria but those soil samples were removed during excavation activities and confirmation soil samples were subsequently collected in those areas with analytical results indicating COC concentrations were below Closure Criteria. Analytical results for FS22 and SW02 indicated TPH concentrations marginally exceeded Closure Criteria, as such, those areas were resampled on March 11, 2025, and analytical results indicated all COC concentrations were below the Closure Criteria. Laboratory analytical results for all other final confirmation soil samples collected indicated COC concentrations were compliant with the Closure Criteria. The laboratory analytical results are summarized on the attached Table 1 and the complete laboratory analytical reports are included in Appendix C.

CLOSURE REQUEST

Following the removal of the temporary lined containment and production equipment, excavation activities were conducted at the Site as indicated in the *Work Plan* to address the September 2024 releases of produced water. The approved *Work Plan* is provided in Appendix D. Laboratory analytical results for the final confirmation soil samples collected indicate all COC concentrations were compliant with the Closure Criteria. Based on the soil sample laboratory analytical results, no further remediation is required. The excavation will be backfilled with material purchased locally and the Site recontoured to match pre-existing site conditions.

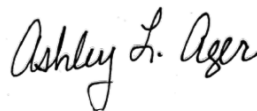
Excavation of soil has mitigated impacts exceeding the Closure Criteria at the Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Numbers nAPP2425666588 and nAPP2427451370.

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

Sincerely,
Ensolum, LLC



Benjamin J. Belill
Senior Geologist



Ashley L. Ager, M.S., P.G.
Principal

cc: Dale Woodall, XTO
Kaylan Dirkx, XTO
SLO
BLM

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Appendices:

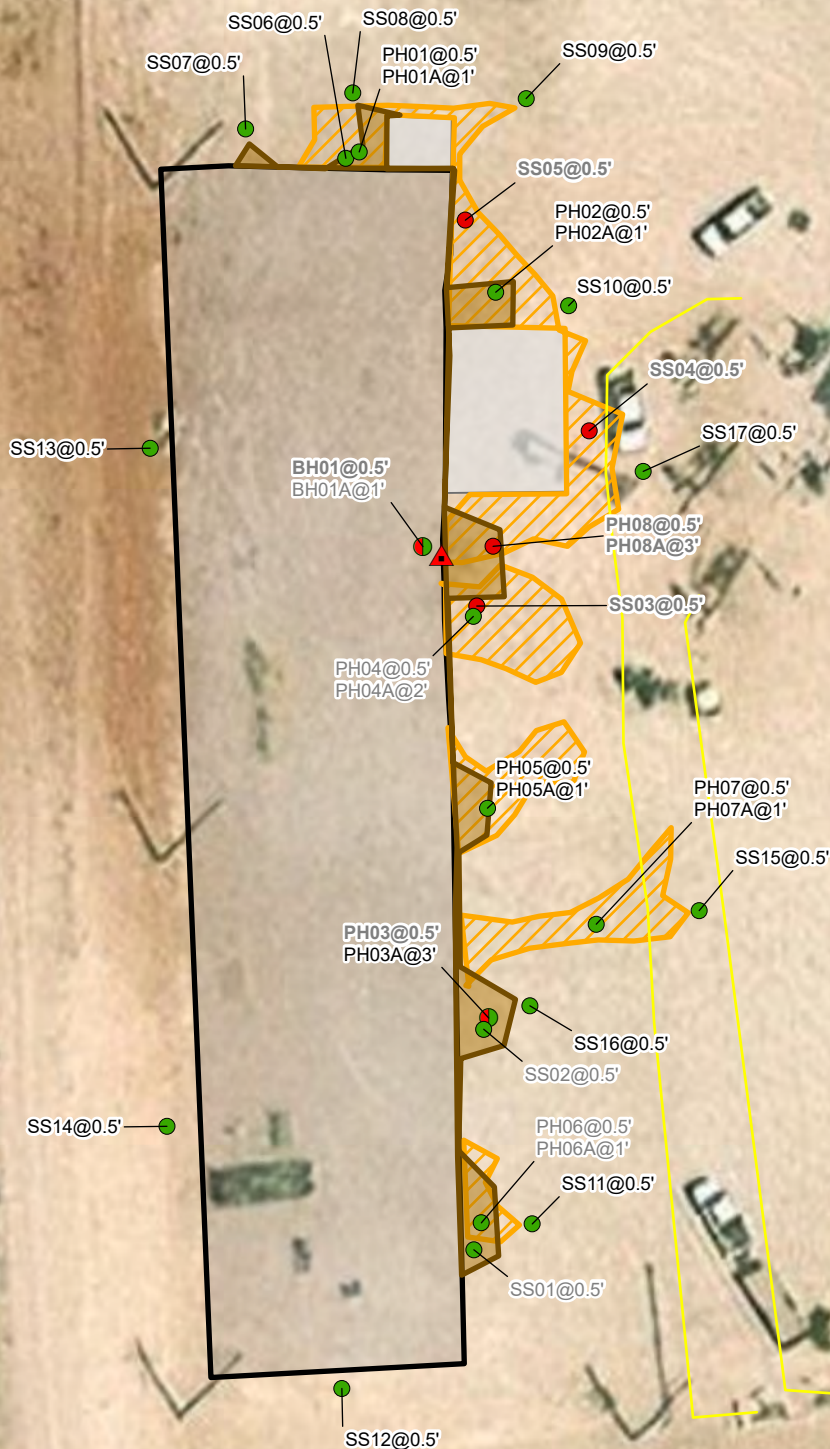
Figure 1	Delineation Soil Sample Locations
Figure 2	Confirmation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Photographic Log
Appendix B	Disposal Manifests
Appendix C	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix D	NMOCD Approved <i>Work Plan</i> dated December 11, 2024



FIGURES

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Exceeding Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- ▲ Point of Release (POR)
- Oil and Gas Utility Line
- Release Extent - nAPP242566588
- Release Extent - nAPP2427451370
- Removed Liner Containment Area
- Removed Production Equipment



Notes:

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

0 12.5 25 50 75 100
 Feet

Sources: Environmental Systems Research Institute (ESRI)

Delineation Soil Sample Locations

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 Unit M, Section 16, T 25S, R 29E
 Eddy County, New Mexico

FIGURE

1

Legend

- Confirmation Soil Sample in Compliance with Closure Criteria
- Excavation Floor Sample in Compliance with Closure Criteria
- ▲ Excavation Sidewall Sample in Compliance with Closure Criteria
- Confirmation Soil Sample with Concentrations Exceeding Closure Criteria
- ▲ Excavation Sidewall Sample with Concentrations Exceeding Closure Criteria
- Oil and Gas Utility Line
- ▨ Excavation Extent
- ▭ Removed Liner Containment Area
- ▭ Removed Production Equipment
- ▨ Release Extent - nAPP242566588
- ▨ Release Extent - nAPP2427451370

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

0 12.5 25 50 75 100
 Feet

Sources: Environmental Systems Research Institute (ESRI)

Confirmation Soil Sample Locations

XTO Energy, Inc
 Corral Canyon 16-9 Fed Com 121H
 Incident Number: nAPP242566588, nAPP2427451370
 Unit M, Section 16, T 25S, R 29E
 Eddy County, New Mexico

FIGURE

2





TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Corral Canyon 16-9 State FED COM 121H
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										
SS01	10/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SS02	10/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SS03	10/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,550
SS04	10/11/2024	0.5	<0.050	<0.300	64.1	13,200	110	13,300	13,400	1,420
SS05	10/11/2024	0.5	<0.050	<0.300	<10.0	19.5	<10.0	19.5	19.5	608
SS06	10/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SS07	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SS08	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS09	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SS10	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS11	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS12	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
SS13	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SS14	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SS15	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SS16	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SS17	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
BH01	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640
BH01A	11/15/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
PH01	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
PH01A	11/14/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
PH02	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
PH02A	11/14/2024	1	<0.050	<0.300	<10.0	14.3	<10.0	14.3	14.3	272
PH03	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
PH03A	11/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
PH04	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
PH04A	11/14/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
PH05	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
PH05A	11/14/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
PH06	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
PH06A	11/14/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Corral Canyon 16-9 State FED COM 121H
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
PH07	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
PH07A	11/15/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
PH08	11/14/2024	0.5	<0.050	<0.300	<10.0	1,430	<10.0	1,430	1,430	576
PH08A	11/14/2024	3	<0.050	<0.300	10.6	976	<10.0	987	987	544
Confirmation Soil Samples										
CS01	02/12/2025	0.5	<0.050	<0.300	<10.0	65.3	<10.0	65.3	65.3	464
CS02	02/12/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
CS03	02/12/2025	0.5	<0.050	<0.300	<10.0	27.4	<10.0	27.4	27.4	288
CS04	02/12/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
CS08	02/13/2025	0.5	<0.050	<0.300	<10.0	110	<10.0	110	110	256
CS09	04/03/2025	0.5	<0.050	<0.300	<10.0	99.0	<10.0	99.0	99.0	320
CS11	04/03/2025	0.5	<0.050	<0.300	<10.0	112	<10.0	112	112	320
CS12	02/13/2025	0.5	<0.050	<0.300	<10.0	296	<10.0	296	296	368
CS13	02/13/2025	0.5	<0.050	<0.300	<10.0	585	<10.0	585	585	160
CS14	02/13/2025	0.5	<0.050	<0.300	<10.0	208	<10.0	208	208	160
CS15	02/13/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
CS16	02/13/2025	0.5	<0.050	<0.300	<10.0	21.2	<10.0	21.2	21.2	304
FS01	02/12/2025	1	<0.050	<0.300	<10.0	31.7	12.4	31.7	44.1	288
FS02	02/12/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS03	02/19/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS04	02/19/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS05	03/13/2025	5.5	<0.050	<0.300	<10.0	87.4	<10.0	87.4	87.4	288
FS06	03/13/2025	5.5	<0.050	<0.300	<10.0	53.4	<10.0	53.4	53.4	336
FS07	02/20/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS08	02/13/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS09	02/13/2025	1	<0.050	<0.300	<10.0	63.9	<10.0	63.9	63.9	192
FS10	02/20/2025	3	<0.050	<0.300	<10.0	281	<10.0	281	281	224
FS10	03/13/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS11	02/14/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS11	02/19/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Corral Canyon 16-9 State FED COM 121H
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
FS12	02/14/2025	4	<0.050	<0.300	<10.0	28.5	<10.0	28.5	28.5	352
FS12	02/20/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS13	02/20/2025	3	<0.050	<0.300	<10.0	15.1	<10.0	15.1	15.1	256
FS14	02/19/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS15	02/20/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS16	02/20/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS17	02/20/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS18	02/20/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS19	02/20/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS20	02/19/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS21	02/19/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS22	02/19/2025	4	<0.050	<0.300	<10.0	146	<10.0	146	146	304
FS22A	03/11/2025	1	<0.050	<0.300	<10.0	12.0	<10.0	12.0	12.0	336
FS23	02/19/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS24	03/13/2025	1	<0.050	<0.300	<10.0	12.3	<10.0	12.3	12.3	432
FS25	03/13/2025	1	<0.050	<0.300	<10.0	44.9	<10.0	44.9	44.9	176
FS26	03/13/2025	2	<0.050	<0.300	<10.0	11.2	<10.0	11.2	11.2	144
FS27	04/16/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW01	02/20/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SW02	02/20/2025	0-4	<0.050	<0.300	<10.0	144	<10.0	144	144	448
SW02	03/11/2025	0-1	<0.050	<0.300	<10.0	87.3	<10.0	87.3	87.3	432
SW03	02/19/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
SW04	02/19/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	592
SW05	02/20/2025	0-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
SW06	03/11/2025	0-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SW07	03/12/2025	0-5.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
SW08	03/11/2025	0-3	<0.050	<0.300	<10.0	26.5	<10.0	26.5	26.5	496
SW09	03/11/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Corral Canyon 16-9 State FED COM 121H
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
SW10	03/13/2025	0-1	<0.050	<0.300	<10.0	198	<10.0	198	198	384
SW11	03/13/2025	0-2	<0.050	<0.300	<10.0	74.5	25.7	74.5	100.2	192
SW12	03/26/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW13	03/26/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SW14	04/16/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176

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



APPENDIX A

Photographic Log



Photographic Log

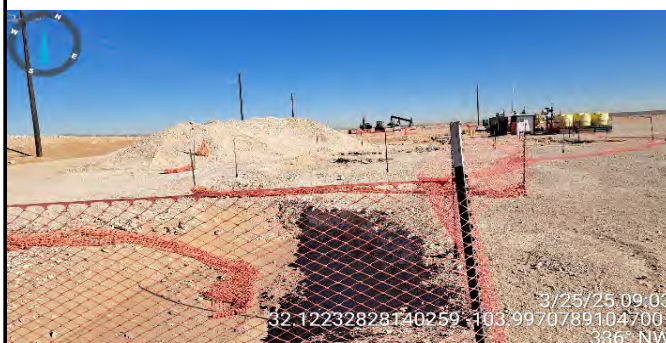
XTO Energy, Inc.

Corral Canyon 16-9 State FED COM 121H

Incident Numbers nAPP2425666588 & nAPP2427451370



Photograph: 1 Date: 3/11/2025
Description: Northern-most excavation extent.
View: Southeast



Photograph: 2 Date: 3/25/2025
Description: Southern-most excavation extent.
View: Northwest



Photograph: 3 Date: 3/25/2025
Description: Excavation extent near FS08/FS09.
View: Northeast



Photograph: 4 Date: 3/26/2025
Description: Northern-most excavation extent.
View: West

**Photographic Log**

XTO Energy, Inc.

Corral Canyon 16-9 State FED COM 121H

Incident Numbers nAPP2425666588 & nAPP2427451370



Photograph: 5 Date: 3/26/2025
 Description: Excavation extent near FS17/FS20.
 View: Southeast



Photograph: 6 Date: 3/26/2025
 Description: Excavation extent near FS10.
 View: West



Photograph: 7 Date: 3/26/2025
 Description: Excavation extent near FS05/FS06.
 View: West



Photograph: 8 Date: 4/16/2025
 Description: Excavation extent near FS27.
 View: Southeast



APPENDIX B

Disposal Manifests



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

 Name Kent Betz
 Phone No. 419-733-2615

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

RB 375421

Operator No.

Permit/RRC No.

Operators Name

Lease/Well

Address

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

City, State, Zip

Phone No.

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&P Contaminated Soil

Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the 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

QUANTITY

B-BARRELS

18 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)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP 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.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

Yes

No

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1
308.R360-5160



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kent RetzPhone No. 414-233-2615

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

RB 375422

Operator No. _____

Permit/RRC No. _____

Operators Name XTC

Lease/Well _____

Address _____

Name & No. Corral Canyon 16-954-72121#

County _____

City, State, Zip _____

API No. 3001553199

Phone No. _____

Rig Name & No. CC1970051001AFE/PO No. 6FCM#48604902

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	Drilling Waste generated while drilling the well
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	Initial Completion - Waste generated while performing initial completion
Water Based Cuttings	Produced Water (Non-Injectable)	Production - Waste generated while producing oil or gas
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Commercial Facilities - Waste generated while operating commercial facilities
Tank Bottoms	INTERNAL USE ONLY	In Transit - Waste which is spilled while in transit
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

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

QUANTITY

B-BARRELS

18 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)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Halo Services IncDriver's Name Antonio d. Tesor

Address _____

Phone No. _____

Phone No. _____

Truck No. Dump truck D-03

WHP 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: 12-28-07 OUT: _____Name/No. D7Site Name/
Permit No.Red Bluff Facility / STF-065

Phone No.

432-448-4239

Address

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

Yes

No

NORM (mR/hr) 6

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1
308.R360-5160



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

 Name Kent Retz
 Phone No. 419-733-7615

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

RB 375425

Operator No.

Permit/RRC No.

Operators Name

Lease/Well

Address

Name & No.

City, State, Zip

County

Phone No.

API No.

Rig Name & No.

AFE/PO No. 61MCL 48604902

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	<u>Post Center # 1870051001</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	<u>Dump</u>
E&P Contaminated Soil	Truck Washout (exempt waste)	
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

QUANTITY

B-BARRELS

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)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP 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: 4:42 PM OUT:Name/No. 07Site Name/
Permit No.Red Bluff Facility / STF-065

Phone No.

432-448-4239

Address

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

Yes

No

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kent RetzPhone No. 414-733-2015

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

RB 375495

Operator No.

Permit/RRC No.

Operators Name

Lease/Well

Address

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

City, State, Zip

Phone No.

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&P Contaminated Soil

Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the waste)

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

QUANTITY

B-BARRELS

180 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)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 6-0217 OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 27

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

Yes

No

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) *REQUIRED INFORMATION

Name Kent Ratz
Phone No. 419.737.7615

GENERATOR

Operator No. _____

Permit/RRC No. **RB 372352**

Operators Name _____

Lease/Well Corral Canyon 16-954 fcd

Address _____

Name & No. 121 H

County _____

City, State, Zip _____

API No. 3001553199

Phone No. _____

Rig Name & No. 3001553199AFE/PO No. 560N #19860 4902

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	Drilling - Waste generation while drilling
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	Initial Completion - Waste generation during the initial completion
Water Based Cuttings	Produced Water (Non-Injectable)	Production - Waste generated during the production
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Commercial Activities - Waste generated during commercial activities
Tank Bottoms	INTERNAL USE ONLY	In Transit - Waste generated during transport
E&P Contaminated Soil	Truck Washout (exempt waste)	
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

QUANTITY 200 B-BARRELS 200 YARDS 200 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)

(PRINT) AUTHORIZED AGENTS NAME _____

DATE _____

SIGNATURE _____

TRANSPORTER

Transporter's Name Halo Services incDriver's Name Manuel Olivas

Address _____

Phone No. _____

Phone No. _____

Truck No. 201

WHP 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 2/18/25DRIVER'S SIGNATURE Manuel Olivas

DELIVERY DATE _____

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: 12:23 OUT: _____Name/No. 27Site Name/
Permit No. Red Bluff Facility / STF-065Phone No. 432-448-4239Address 5053 US Hwy 285, Orla, TX 79770NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐If YES, was reading > 50 micro roentgens? (Circle One) Yes ☐ No ☒

NORM (mR/hr) _____

TANK BOTTOMS

Feet _____

Inches _____

1st Gauge _____

BS&W Received _____

BS&W (%) _____

I hereby certify that the above load material has been (circle one): ACCEPTED ☒ DENIED ☐ If denied, why? _____NAME (PRINT) Manuel OlivasDATE 2/18/25

TITLE _____

SIGNATURE _____

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1
308.R360-5160



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) *REQUIRED INFORMATION*

Name

Phone No.

409-737-7615

GENERATOR

RB 371041

Operator No.

Permit/RRC No.

Operators Name

Lease/Well

Address

Name & No.

County

API No.

City, State, Zip

Rig Name & No.

Phone No.

AFE/PO No.

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&P Contaminated Soil

Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the waste)

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

QUANTITY

B-BARRELS

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)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

9:54-1

OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

D7

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

Phone No.

432-448-4239

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

Yes

No

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1
308.R360-5160



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) *REQUIRED INFORMATION*

Name

Phone No.

GENERATOR

Operator No.

Permit/RRC No.

RB 375420

Operators Name

Lease/Well

Address

Name & No.

City, State, Zip

County

Phone No.

API No.

Rig Name & No.

AFE/PO No.

Oil Based Muds

NON-INJECTABLE WATERS

OTHER EXEMPT WASTES (type and generation process of the waste)

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

Gas Plant Waste

Truck Washout (exempt waste)

WASTE GENERATION PROCESS:

☐

DRILLING

☐

COMPLETION

☐

PRODUCTION

☐

GATHERING LINES

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

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

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

18

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)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP 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: 9-46171 OUT:

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

Yes

No

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man. Contact Information

 Name: Ken- Re-
 Phone No: 412-737-2618

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

Operator No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

Operators Name

Address

City, State, Zip

Phone No.

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&P Contaminated Soil

Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the 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

QUANTITY

B-BARRELS

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)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Driver's Name

Phone No.

Truck No.

WHP No.

Address

Phone 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: 12-21-25

OUT:

Name/No.

Site Name/
Permit No.

Red Bluff Facility / STF-065

Phone No.

432-448-4239

Address

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

Yes

No

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1
308.R360-5160



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

 Name Kent Refz
 Phone No. 414-733-7615

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

Operator No. _____

Permit/RRC No. Corral Canyon 16375424

Lease/Well _____

Name & No. _____

County _____

API No. 3001553799Rig Name & No. CC-870051001AFE/PO No. 64CM#48604902Operators Name X.T.O.

Address _____

City, State, Zip _____

Phone No. _____

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms		
E&P Contaminated Soil	INTERNAL USE ONLY	
Gas Plant Waste	Truck Washout (exempt waste)	

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

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

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

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

QUANTITY _____ B-BARRELS _____ 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)

(PRINT) AUTHORIZED AGENTS NAME Kent RefzDATE 02/18/2025

SIGNATURE _____

TRANSPORTER

Transporter's Name Halo Services inc

Address _____

Phone No. _____

Driver's Name Victor Orozco

Phone No. _____

Truck No. Dump truck D-02

WHP 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 02-18-2025DRIVER'S SIGNATURE Victor Orozco

TRUCK TIME STAMP

IN: 3:40 OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 07Site Name/
Permit No.Red Bluff Facility / STF-065

Phone No.

432-448-4239

Address

5053 US Hwy 285, Orla, TX 79770NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐If YES, was reading > 50 micro roentgens? (Circle One) Yes ☐ No ☒

NORM (mR/hr) _____

TANK BOTTOMS

Feet _____

Inches _____

1st Gauge _____

BS&W Received _____

BS&W (%) _____

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

ACCEPTED ☒DENIED ☐

If denied, why? _____

NAME (PRINT) Victor OrozcoDATE 2/18/25

TITLE _____

SIGNATURE _____

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1
308.R360-5160



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

 Name Kent Refz
 Phone No. 409.733.2615

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

Operator No.

Permit/RRC No.

RB 375499

Operators Name

Lease/Well

Address

Name & No.

City, State, Zip

County

Phone No.

API No.

Rig Name & No.

AFE/PO No.

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&P Contaminated Soil

Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the waste)

Drilling - Waste generated while drilling the well

Initial Completion - Waste generated while performing initial completion

Production - Waste generated while producing oil or gas

Commercial Facilities - Waste that is generated at a commercial facility

In-Terminal - Waste that is spilled while in transit

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

QUANTITY

B-BARRELS

18 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)

Kent Refz

02-18-2025

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

Phone No.

432-448-4239

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

Yes

No

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1
308.R360-5160



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

 Name Kent Retz
 Phone No. 409 237 7615

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

Operator No.

Permit/RRC No.

RB 374731

Operators Name

Lease/Well

Address

Name & No.

City, State, Zip

County

Phone No.

API No.

Rig Name & No.

AFE/PO No.

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&P Contaminated Soil

Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the waste)

DUMPWASTE 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

QUANTITY

B-BARRELS

18 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)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 5:02:17 OUT: 5:02:17

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

Yes

No

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kent RefzPhone No. 419 733-2015

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

RB 375500

Operator No.

Permit/RRC No.

Operators Name

Lease/Well

Address

Name & No.

County

City, State, Zip

API No.

Phone No.

Rig Name & No.

AFE/PO No.

Oil Based Muds

NON-INJECTABLE WATERS

OTHER EXEMPT WASTES (type and generation process of the waste)

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

Gas Plant Waste

Truck Washout (exempt waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

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

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

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

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)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Driver's Name

Address

Phone No.

Phone No.

Truck No.

WHP 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: 9:0491 OUT:

Name/No.

Site Name/

Permit No.

Red Bluff Facility / STF-065

Phone No.

432-448-4239

Address

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50-micro roentgens? (Circle One)

Yes

No

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1
308.R360-5160



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

 Name Kent Retz
 Phone No. _____

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

Operator No. _____

Permit/RRC No. _____

Lease/Well _____

Name & No. _____

County _____

API No. _____

Rig Name & No. _____

AFE/PO No. _____

Operators Name _____

Address _____

City, State, Zip _____

Phone No. _____

Oil Based Muds _____

Oil Based Cuttings _____

Water Based Muds _____

Water Based Cuttings _____

Produced Formation Solids _____

Tank Bottoms _____

E&P Contaminated Soil _____

Gas Plant Waste _____

NON-INJECTABLE WATERS

Washout Water (Non-Injectable) _____

Completion Fluid/Flow Back (Non-Injectable) _____

Produced Water (Non-Injectable) _____

Gathering Line Water/Waste (Non-Injectable) _____

INTERNAL USE ONLY

Truck Washout (exempt waste) _____

OTHER EXEMPT WASTES (type and generation process of the 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

QUANTITY

B-BARRELS

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)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No. _____

Driver's Name

Phone No. _____

Truck No. _____

WHP No. _____

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. _____

Site Name/ Permit No.

Red Bluff Facility / STF-065

Phone No.

432-448-4239

Address

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

Yes

No

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1
308.R360-5160



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

 Name: Kent Retz
 Phone No: 419-733-261

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

Operator No.

Permit/RRC No.

RB 375502

Operators Name

Lease/Well

Name & No.

Address

County

API No.

Rig Name & No.

AFE/PO No.

City, State, Zip

Phone No.

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&P Contaminated Soil

Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the waste)

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

QUANTITY

B-BARRELS

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)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP 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.

Site Name/
Permit No.

Red Bluff Facility / STF-065

Phone No.

432-448-4239

Address

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

Yes

No

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kent Ritz

Phone No. _____

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

Operator No. _____

Permit/RRC No. **RB 374730**

Operators Name _____

Lease/Well

Address _____

Name & No. Xto Carrel Canyon 16-9 State

City, State, Zip _____

County

Phone No. _____

API No. 300155199Rig Name & No. CC-1870051001AFE/PO No. GFCN # 48604902

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 ☒

Gas Plant Waste _____

Truck Washout (exempt waste) _____

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

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

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

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

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)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name Manuel Olivas

Phone No. _____

Truck No. D01

WHP 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: 17:01 PM

OUT: _____

Name/No. T-3

Site Name/

Permit No. Red Bluff Facility / STF-065Phone No. 432-448-4239Address 5053 US Hwy 285, Orla, TX 79770NORM READINGS TAKEN? (Circle One) YES ☐ NO ☐If YES, was reading > 50 micro roentgens? (Circle One) Yes ☐ No ☐

NORM (mR/hr) _____

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why? _____

NAME (PRINT) Manuel OlivasDATE 4/19/15TITLE RecSIGNATURE Manuel Olivas

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1
308.R360-5160



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

*REQUIRED INFORMATION

Name

Phone No.

Kent Rote
4197377615

GENERATOR

Operator No.

Permit/RRC No.

RB 375496

Operators Name

Lease/Well

Corral Canyon 16951 Fcd

Address

Name & No.

121H

County

API No.

300155199

Rig Name & No.

CC:1870051001

AFE/PO No.

456N #48604902

Oil Based Muds

NON-INJECTABLE WATERS

OTHER EXEMPT WASTES (type and generation process of the waste)

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

Gas Plant Waste

Truck Washout (exempt waste)

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

QUANTITY

B-BARRELS

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:

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☐ RCRA NON-EXEMPT:

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

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Halo Services inc

Driver's Name

Manuel Olivas

Address

Phone No.

Truck No.

001

Phone No.

WHP 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: 9:03 AM

OUT: 9:03 AM

Name/No.

77

Site Name/

Permit No.

Red Bluff Facility / STF-065

Phone No.

432-448-4239

Address

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

Yes

No

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

 Name Kent Retz
 Phone No. 409-733-7615

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

RB 375501

Operator No.

Permit/RRC No.

Operators Name

Lease/Well

Address

Name & No.

City, State, Zip

County

Phone No.

API No.

Rig Name & No.

AFE/PO No.

Oil Based Muds

NON-INJECTABLE WATERS

OTHER EXEMPT WASTES (type and generation process of the waste)

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

Gas Plant Waste

Truck Washout (exempt waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

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

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

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

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:

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☐ RCRA NON-EXEMPT:

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

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

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP 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: 12:08 PM

OUT:

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

Phone No.

432-448-4239

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

Yes

No

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1
308.R360-5160



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

 Name Kent Betz
 Phone No. 419-733-2615

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

Operator No.

Permit/RRC No.

RB 375498

Operators Name

Lease/Well

Address

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

City, State, Zip

Phone No.

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&P Contaminated Soil

Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the waste)

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

QUANTITY

B-BARRELS

18 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:

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☐ RCRA NON-EXEMPT:

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

☐

MSDS Information

☐

RCRA Hazardous Waste Analysis

☐

Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP 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.

Site Name/
Permit No.

Red Bluff Facility / STF-065

Phone No.

432-448-4239

Address

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

308.R360-5160



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kent Relt
Phone No. 4197332615

(PLEASE PRINT)

*REQUIRED INFORMATION

GENERATOR

Operator No.

Permit/RRC No.

RB 375497

Operators Name

Lease/Well

Address

Name & No.

City, State, Zip

County

Phone No.

API No.

Rig Name & No.

AFE/PO No.

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

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

QUANTITY B-BARRELS 18 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:

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☐

MSDS Information

☐

RCRA Hazardous Waste Analysis

☐

Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Halo Services Inc

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

Yes

No

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1
308.R360-5160



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kent Refz
Phone No. 419-933-2615

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

Operator No.

Permit/RRC No.

RB 375573

Operators Name

Lease/Well

Address

Name & No.

City, State, Zip

County

Phone No.

API No.

Rig Name & No.

AFE/PO No.

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&P Contaminated Soil

Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the waste)

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

QUANTITY

B-BARRELS

180 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.

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☐

MSDS Information

☐

RCRA Hazardous Waste Analysis

☐

Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Driver's Name

Address

Phone No.

Phone No.

Truck No.

WHP 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.

Site Name/

Red Bluff Facility / STF-065

Phone No.

432-448-4239

Address

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

Yes

No

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

REQUIRED INFORMATION

Name

Phone No.

GENERATOR

RB 375547

Operator No.

Permit/RRC No.

Operators Name

Lease/Well

Address

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

City, State, Zip

Phone No.

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&P Contaminated Soil

Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the 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

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

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

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

Phone No.

432-448-4239

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

Yes

No

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) *REQUIRED INFORMATION*

Name

Phone No.

GENERATOR

Operator No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

RB 372204

Operators Name

Address

City, State, Zip

Phone No.

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&P Contaminated Soil

Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the 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

QUANTITY

B-BARRELS

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.

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

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP 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: 11/18/21 OUT:

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1
308.R360-5160

3PT TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFESTS

NICHOLS PRINTING, INC. • 575-885-3313



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) *REQUIRED INFORMATION*

Name Kent
Phone No. 817-222-1111

GENERATOR

RB 371567

Operator No.

Permit/RRC No.

Operators Name

Lease/Well

Address

Name & No.

City, State, Zip

County

Phone No.

API No.

Rig Name & No.

AFE/PO No.

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&P Contaminated Soil

Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the 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

QUANTITY

B-BARRELS

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)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP 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: 9/17/22 OUT:

Name/No.

Site Name/
Permit No.

Red Bluff Facility / STF-065

Phone No.

432-448-4239

Address

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

Yes

No

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) *REQUIRED INFORMATION*

Name Kent Ritz
Phone No. _____

GENERATOR

Operator No. _____

Permit/RRC No. State

Lease/Well

Name & No. State Fed 40116-9

County

API No. 30-015-53199Rig Name & No. 1970051001AFE/PO No. 0144498604902

Operators Name

Address XTO

City, State, Zip

Phone No. _____

Oil Based Muds _____
 Oil Based Cuttings _____
 Water Based Muds _____
 Water Based Cuttings _____
 Produced Formation Solids _____
 Tank Bottoms _____
 E&P Contaminated Soil _____
 Gas Plant Waste _____

NON-INJECTABLE WATERS

Washout Water (Non-Injectable) _____

Completion Fluid/Flow Back (Non-Injectable) _____

Produced Water (Non-Injectable) _____

Gathering Line Water/Waste (Non-Injectable) _____

INTERNAL USE ONLY

Truck Washout (exempt waste) _____

OTHER EXEMPT WASTES (type and generation process of the waste)

Drilling - Waste generated while drilling the well _____
 Initial Completion - Waste generated during initial completion _____
 Production - Waste generated during production _____
 Commercial Refining - Waste generated during commercial refining _____
 In Transit - Waste while in transit _____

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

QUANTITY 76

B-BARRELS

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)

(PRINT) AUTHORIZED AGENTS NAME _____

DATE _____

SIGNATURE _____

TRANSPORTER

Transporter's Name 1120 Services

Address _____

Phone No. _____

Driver's Name Michael MayPhone No. 575 300 9264Truck No. F-44 Super Dump

WHP 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 02/19/25

DRIVER'S SIGNATURE _____

DELIVERY DATE 02/19/25

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

IN: 9:39 AM OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. DTSite Name/
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐If YES, was reading > 50 micro roentgens? (Circle One) Yes ☐ No ☒NORM (mR/hr) 7

TANK BOTTOMS

Feet _____

Inches _____

1st Gauge _____

BS&W Received _____

BS&W (%) _____

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

ACCEPTED ☒DENIED ☐

If denied, why? _____

NAME (PRINT) LoganDATE 2/19/25

TITLE _____

SIGNATURE _____

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1
308.R360-5160



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) *REQUIRED INFORMATION*

Name Kent Pitt
Phone No. 361-221-1004

GENERATOR

Operator No. Permit/RRC No. Lease/Well Corral Pen 707 16-9Name & No. State Road 7214County API No. 30-015-53199Rig Name & No. 1872051001AFE/PO No. GFCMH 48604902Operators Name Address City, State, Zip Phone No. Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable) Completion Fluid/Flow Back (Non-Injectable) Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Injectable)

INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the 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

QUANTITY 20

B-BARRELS

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)

(PRINT) AUTHORIZED AGENTS NAME DATE SIGNATURE

TRANSPORTER

Transporter's Name Address Phone No. Driver's Name Michael MonPhone No. 575 300 9264Truck No. T-44 Super DumpWHP 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 02/19/25DRIVER'S SIGNATURE DELIVERY DATE 02/19/25DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 11:49 AMOUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/

Permit No. Red Bluff Facility / STF-065Phone No. 432-448-4239Address 5053 US Hwy 285, Orla, TX 79770NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐If YES, was reading > 50 micro roentgens? (Circle One) Yes ☒ No ☐NORM (mR/hr)

TANK BOTTOMS

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

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

ACCEPTED ☒DENIED ☐If denied, why? NAME (PRINT) DATE 02/19/25TITLE SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1
308.R360-5160



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kent Ritz

Phone No. _____

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

Operator No. _____

Permit/RRC No. **RB 371491**

Operators Name _____

Lease/Well _____

Address _____

Name & No. State Fed 121H

City, State, Zip _____

County _____

Phone No. _____

API No. 30-015-53199Rig Name & No. EC 18700 S1001AFE/PO No. STF CMH 4864902

Oil Based Muds _____

NON-INJECTABLE WATERS

OTHER EXEMPT WASTES (type and generation process of the waste)

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 _____

Gas Plant Waste _____

Truck Washout (exempt waste) _____

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

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

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

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY 20

B-BARRELS

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)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Held ServicesDriver's Name Michael May

Address _____

Phone No. 515 300 9264

Phone No. _____

Truck No. T-44 Super Dump

WHP 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 02/19/25

DRIVER'S SIGNATURE _____

DELIVERY DATE 02/19/25

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: 3:18 PM OUT: _____Name/No. T3

Site Name/

Permit No. Red Bluff Facility / STF-065Phone No. 432-448-4239Address 5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One) YES NO

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

NORM (mR/hr) 7

TANK BOTTOMS

Feet

Inches

1st Gauge _____

BS&W Received _____

BS&W (%) _____

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

ACCEPTED

DENIED

If denied, why? _____

NAME (PRINT) Michael MayDATE 2/19/25TITLE DriverSIGNATURE [Signature]

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1
308.R360-5160

3PT TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFESTS

NICHOLS PRINTING, INC. • 575-885-3313



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kent Refz

Phone No. _____

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

RB 375610

Operator No. _____

Permit/RRC No. _____

Operators Name _____

Lease/Well _____

Address _____

Name & No. _____

County _____

City, State, Zip _____

API No. _____

Phone No. _____

Rig Name & No. _____

AFE/PO No. _____

Oil Based Muds _____	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____	
Water Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____	
Water Based Cuttings _____	Produced Water (Non-Injectable) _____	
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____	
Tank Bottoms _____	INTERNAL USE ONLY	
E&P Contaminated Soil _____	Truck Washout (exempt waste) _____	
Gas Plant Waste _____		

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

QUANTITY B-BARRELS 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)

(PRINT) AUTHORIZED AGENTS NAME _____

DATE _____

SIGNATURE _____

TRANSPORTER

Transporter's Name _____

Driver's Name _____

Address _____

Phone No. _____

Phone No. _____

Truck No. _____

WHP No. _____

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

SHIPMENT DATE _____

DRIVER'S SIGNATURE _____

DELIVERY DATE _____

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

IN: 1:29 PM

OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. _____

Site Name _____

Red Bluff Facility / STF-065

Phone No. _____

432-448-4239

Permit No. _____

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

Yes

No

NORM (mR/hr) _____

TANK BOTTOMS

Feet _____

Inches _____

1st Gauge _____

BS&W Received _____

BS&W (%) _____

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

ACCEPTED

DENIED

If denied, why? _____

NAME (PRINT) _____

DATE _____

TITLE _____

SIGNATURE _____

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1
308.R360-5160

NICHOLS PRINTING, INC. • 575-885-3313



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

 Name Ken + Retz
 Phone No. _____

(PLEASE PRINT)

*REQUIRED INFORMATION

GENERATOR

Operator No. _____

Permit/RRC No. **RB 375611**

Operators Name _____

Lease/Well _____

Address _____

Name & No. Corral Canyon 16-9 state FCB

City, State, Zip _____

County _____

Phone No. _____

API No. 300153199Rig Name & No. CC-1870051001AFE/PO No. GFCN # A8604902

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	Drilling - Waste generated while drilling the well
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	Initial Completion - Waste generated on the initial completion
Water Based Cuttings	Produced Water (Non-Injectable)	Production - Waste generated during the production
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Commercial Facilities - Waste generated at commercial facilities
Tank Bottoms	INTERNAL USE ONLY	In Transit - Waste which is shipped without treatment
E&P Contaminated Soil	Truck Washout (exempt waste)	
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

QUANTITY

B-BARRELS

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)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Halo Services incDriver's Name Manuel Oliver

Address _____

Phone No. _____

Phone No. _____

Truck No. 001WHP No. 2-20

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: 10:28 AM OUT: _____Name/No. 17

Site Name/

Permit No. Red Bluff Facility / STF-065Phone No. 432-448-4239

Address

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

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TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

REQUIRED INFORMATION

Name

Phone No.

GENERATOR

Operator No.

Permit/RRC No.

Operators Name

Lease/Well

Address

Name & No.

City, State, Zip

County

Phone No.

API No.

Rig Name & No.

AFE/PO No.

RB 375549

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&P Contaminated Soil

Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the 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

QUANTITY

B-BARRELS

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)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1
308.R360-5160



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) *REQUIRED INFORMATION*

Name KEIT
Phone No. 409-498-4902

GENERATOR

Operator No.

Permit/RRC No.

RB 371562

Operators Name

Lease/Well

Address

Name & No.

City, State, Zip

County

Phone No.

API No.

Rig Name & No.

AFE/PO No.

Oil Based Muds

NON-INJECTABLE WATERS

OTHER EXEMPT WASTES (type and generation process of the waste)

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

Gas Plant Waste

Truck Washout (exempt waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

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

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

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

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)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Driver's Name

Address

Phone No.

Phone No.

Truck No.

WHP 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: 10:30 OUT: 11:30Name/No. 07Site Name/
Permit No.

Red Bluff Facility / STF-065

Phone No.

432-448-4239

Address

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One) YES NO

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

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

(NAME (PRINT))

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) *REQUIRED INFORMATION*

Name Kent Ritz
Phone No. 361-492-1492

GENERATOR

Operator No. _____

Permit/RRC No. RB 371492

Operators Name _____

Lease/Well _____

Address _____

Name & No. Corral Canyon 16-9

County _____

API No. 30-085-5399

City, State, Zip _____

Rig Name & No. 30-085-5399

Phone No. _____

AFE/PO No. 57C N 218684902

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	Drilling - Waste generated while drilling the well
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	Initial Completion - Waste generated on the initial completion
Water Based Cuttings	Produced Water (Non-Injectable)	Production - Waste generated during the production
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Commercial Facilities - Waste generated in the commercial facilities
Tank Bottoms	INTERNAL USE ONLY	In Transit - Waste which is shipped while in transit
E&P Contaminated Soil	Truck Washout (exempt waste)	
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

QUANTITY 20 B-BARRELS 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)

(PRINT) AUTHORIZED AGENTS NAME _____

DATE _____

SIGNATURE _____

TRANSPORTER

Transporter's Name Ablo ServicesDriver's Name Michael May

Address _____

Phone No. 575 308 9269Truck No. 7-44 Super Dump

Phone No. _____

WHP 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 02/20/25

DRIVER'S SIGNATURE _____

DELIVERY DATE 02/20/25

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: Y5252 OUT: _____

Name/No. _____

Site Name/
Permit No. Red Bluff Facility / STF-065Phone No. 432-448-4239Address 5053 US Hwy 285, Orla, TX 79770NORM READINGS TAKEN? (Circle One) YES ☐ NO ☐If YES, was reading > 50 micro roentgens? (Circle One) Yes ☐ No ☐

NORM (mR/hr) _____

TANK BOTTOMS

Feet _____

Inches _____

1st Gauge _____

BS&W Received _____

BS&W (%) _____

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

ACCEPTED ☐DENIED ☐

If denied, why? _____

NAME (PRINT) Don H...DATE 2/20/25

TITLE _____

SIGNATURE _____

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1
308.R360-5160



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

REQUIRED INFORMATION

Name Kent Ritz
Phone No. _____

GENERATOR

Operator No. _____

Permit/RRC No. **RB 372129**

Operators Name _____

Lease/Well _____

Address _____

Name & No. Corral Canyon 16-9

County _____

City, State, Zip _____

API No. 20-05-53199

Phone No. _____

Rig Name & No. 20-1810031001AFE/PO No. STF-18604902

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

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

QUANTITY 20 B-BARRELS 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)

(PRINT) AUTHORIZED AGENTS NAME _____

DATE _____

SIGNATURE _____

TRANSPORTER

Transporter's Name _____

Address _____

Phone No. _____

Driver's Name Michael MayPhone No. 525-300-9247Truck No. T-44WHP No. Super Dump

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 02/20/25

DRIVER'S SIGNATURE _____

DELIVERY DATE 02/20/25

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

IN: 16:30A OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. D7

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐If YES, was reading > 50 micro roentgens? (Circle One) Yes ☐ No ☒

NORM (mR/hr) _____

TANK BOTTOMS

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

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

ACCEPTED ☒DENIED ☐

If denied, why? _____

NAME (PRINT) JohnDATE 02/20/25

TITLE _____

SIGNATURE _____

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1
308.R360-5160



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

 Name Kent R. B
 Phone No. 361-486-4902

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

Operator No.

Permit/RRC No.

Operators Name

Lease/Well

Address

Name & No.

City, State, Zip

County

Phone No.

API No.

Rig Name & No.

AFE/PO No.

RB 371494

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&P Contaminated Soil

Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the waste)

Drilling - Waste generated while drilling the well

Completion - Waste generated on the completion of the well

Production - Waste generated during the production of the well

Commercial Facilities - Waste generated at commercial facilities

In Transit - Waste which is being transported to a disposal facility

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

QUANTITY

B-BARRELS

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)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP 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: 1:27 AM OUT: 2:00 PMName/No. B-7Site Name/
Permit No.

Red Bluff Facility / STF-065

Phone No.

432-448-4239

Address

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

 Name KENT
 Phone No. 282

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

Operator No.

Permit/RRC No.

RB 377526

Operators Name

Lease/Well

Address

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&P Contaminated Soil

Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the 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

QUANTITY

B-BARRELS

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)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 2:15 pm OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/
Permit No.

Red Bluff Facility / STF-065

Phone No.

432-448-4239

Address

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

Yes

No

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1
308.R360-5160



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) *REQUIRED INFORMATION

Name

Phone No.

GENERATOR

Operator No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

RB 372205

Operators Name

Address

City, State, Zip

Phone No.

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&P Contaminated Soil

Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the 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

QUANTITY

B-BARRELS

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)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 12-07-20 OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

Phone No.

432-448-4239

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

 Name Kent Retz
 Phone No. _____

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

RB 372035

Operator No. _____

Permit/RRC No. _____

Operators Name _____

Lease/Well _____

Address _____

Name & No. 1691 Stated #1211

County _____

City, State, Zip _____

API No. 30-015-53199

Phone No. _____

Rig Name & No. _____

AFE/PO No. CC1055931001

Oil Based Muds _____

NON-INJECTABLE WATERS

OTHER EXEMPT WASTES (type and generation process of the waste)

Oil Based Cuttings _____

Washout Water (Non-Injectable) _____

GFCM 47502000

Water Based Muds _____

Completion Fluid/Flow Back (Non-Injectable) _____

Water Based Cuttings _____

Produced Water (Non-Injectable) _____

Produced Formation Solids _____

Gathering Line Water/Waste (Non-Injectable) _____

Tank Bottoms _____

INTERNAL USE ONLY

E&P Contaminated Soil _____

Truck Washout (exempt waste) _____

Gas Plant Waste _____

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

QUANTITY 20

B-BARRELS

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)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name 1610 ServiceDriver's Name Michael May

Address _____

Phone No. 515 300 0257

Phone No. _____

Truck No. T-44

WHP 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 03/12/25

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: 423 pm

OUT: _____

Name/No. D7

Site Name/

Red Bluff Facility / STF-065

Phone No. 432-448-4239

Permit No. _____

Address

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

Yes

No

NORM (mR/hr) _____

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why? _____

NAME (PRINT) msteph

DATE

TITLE POUR

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1
308.R360-5160



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Kent RatzPhone No. 105 593 1001

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

Operator No. _____

Permit/RRC No. Some

Lease/Well _____

Name & No. Corral

County _____

API No. 16-9 State Fed # 171 HRig Name & No. 30-015-53199AFE/PO No. CC 105 593 1001

Operators Name _____

Address _____

City, State, Zip _____

Phone No. _____

Oil Based Muds _____

Oil Based Cuttings _____

Water Based Muds _____

Water Based Cuttings _____

Produced Formation Solids _____

Tank Bottoms _____

E&P Contaminated Soil _____

Gas Plant Waste _____

NON-INJECTABLE WATERS

Washout Water (Non-Injectable) _____

Completion Fluid/Flow Back (Non-Injectable) _____

Produced Water (Non-Injectable) _____

Gathering Line Water/Waste (Non-Injectable) _____

INTERNAL USE ONLY

Truck Washout (exempt waste) _____

OTHER EXEMPT WASTES (type and generation process of the waste)

GF CM 4562006SoilDump truck

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

QUANTITY 20

B-BARRELS

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)

(PRINT) AUTHORIZED AGENTS NAME _____

DATE _____

SIGNATURE _____

TRANSPORTER

Transporter's Name Halo Services

Address _____

Phone No. _____

Driver's Name Michael MayPhone No. 575 200 0275Truck No. T-44

WHP 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 03/17/25

DRIVER'S SIGNATURE _____

DELIVERY DATE 03/17/25

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

IN: 2367

OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. D1Site Name/
Permit No. Red Bluff Facility / STF-065Phone No. 432-448-4239Address 5053 US Hwy 285, Orla, TX 79770NORM READINGS TAKEN? (Circle One) YES NO

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

NORM (mR/hr) _____

TANK BOTTOMS

Feet _____

Inches _____

1st Gauge _____

BS&W Received _____

BS&W (%) _____

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

ACCEPTED

DENIED

If denied, why? _____

NAME (PRINT) Michael MayDATE 3/17/25TITLE DRIVER

SIGNATURE _____

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

 Name Amber Boring
 Phone No. 505-593-1159

(PLEASE PRINT) *REQUIRED INFORMATION

GENERATOR

RB 371493

Operator No. _____

Permit/RRC No. _____

Operators Name _____

Lease/Well _____

Address _____

Name & No. _____

City, State, Zip _____

County _____

Phone No. _____

API No. _____

Rig Name & No. _____

AFE/PO No. _____

Oil Based Muds _____

NON-INJECTABLE WATERS

OTHER EXEMPT WASTES (type and generation process of the waste)

Oil Based Cuttings _____

Washout Water (Non-Injectable) _____

Water Based Muds _____

Completion Fluid/Flow Back (Non-Injectable) _____

Water Based Cuttings _____

Produced Water (Non-Injectable) _____

Produced Formation Solids _____

Gathering Line Water/Waste (Non-Injectable) _____

Tank Bottoms _____

INTERNAL USE ONLY

E&P Contaminated Soil _____

Truck Washout (exempt waste) _____

Gas Plant Waste _____

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

QUANTITY

20

B-BARRELS

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)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 12:03 pm

OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

Phone No.

432-448-4239

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro-roentgens? (Circle One)

Yes

No

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1
308.R360-5160



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

REQUIRED INFORMATION

Name Kent KatzPhone No. 580-641-004

GENERATOR

RB 378160

Operator No. _____

Permit/RRC No. _____

Operators Name XTDLease/Well Corral 116912 State Federal.com

Address _____

Name & No. 50-015-55213

County _____

API No. _____

City, State, Zip _____

Rig Name & No. 1580964/004

Phone No. _____

AFE/PO No. _____

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	<u>Dump</u>
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	<u>GFCM-475022000</u>
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

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

QUANTITY 1 B-BARRELS 8 Y-YARDS X 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)

(PRINT) AUTHORIZED AGENTS NAME _____

DATE _____

SIGNATURE _____

TRANSPORTER

Transporter's Name Hario Service IncDriver's Name Jaime Cobos

Address _____

Phone No. _____

Phone No. _____

Truck No. D-05

WHP 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 3/26

DRIVER'S SIGNATURE _____

DELIVERY DATE _____

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP IN: <u>3:04 pm</u> OUT: _____	DISPOSAL FACILITY	RECEIVING AREA Name/No. <u>D7</u>
---	-------------------	--------------------------------------

Site Name/Permit No. Red Bluff Facility / STF-065Phone No. 432-448-4239Address 5053 US Hwy 285, Orla, TX 79770NORM READINGS TAKEN? (Circle One) YES 2 NOIf YES, was reading > 50 micro roentgens? (Circle One) Yes 2 No

NORM (mR/hr) _____

TANK BOTTOMS

Feet _____

Inches _____

1st Gauge _____

BS&W Received _____

BS&W (%) _____

I hereby certify that the above load material has been (circle one): ACCEPTED 3/26 DENIED None If denied, why? _____NAME (PRINT) M. StephensDATE 3/26

TITLE _____

SIGNATURE _____

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1
308.R360-5160



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

REQUIRED INFORMATION

Name

Phone No.

GENERATOR

RB 378139

Operator No.

Permit/RRC No.

Operators Name

Lease/Well

Address

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

City, State, Zip

Phone No.

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&P Contaminated Soil

Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the 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

QUANTITY

B-BARRELS

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)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Driver's Name

Address

Phone No.

Phone No.

Truck No.

WHP No.

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/

Permit No.

Red Bluff Facility / STF-065

Phone No.

432-448-4239

Address

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

Yes

No

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

REQUIRED INFORMATION

Name

Phone No.

GENERATOR

RB 378124

Operator No.

Permit/RRC No.

Operators Name

Lease/Well

Address

Name & No.

City, State, Zip

County

Phone No.

API No.

Rig Name & No.

AFE/PO No.

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&P Contaminated Soil

Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the 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

QUANTITY

B-BARRELS

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.

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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)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Driver's Name

Address

Phone No.

Truck No.

Phone No.

WHP No.

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 11:09 AM

OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/
Permit No.

Red Bluff Facility / STF-065

Phone No.

432-448-4239

Address

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

Yes

No

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

REQUIRED INFORMATION

Name: Kurt Ritz

Phone No. _____

GENERATOR

RB 379411

Operator No. _____

Permit/RRC No. _____

Operators Name 770Lease/Well 410 Carroll Canyon 14-9

Address _____

Name & No. State Fed 121#

County _____

API No. 30-015-55199

City, State, Zip _____

Rig Name & No. _____

Phone No. 110

AFE/PO No. _____

Oil Based Muds _____

NON-INJECTABLE WATERS

OTHER EXEMPT WASTES (type and generation process of the waste)

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 ✓

Gas Plant Waste _____

Truck Washout (exempt waste) _____

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

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

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

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

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.

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☐ RCRA NON-EXEMPT:

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

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

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name HAIO servisDriver's Name ARURO ZAVOIA

Address _____

Phone No. _____

Phone No. _____

Truck No. D-02WHP No. 71072

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: 1:35 OUT: _____Name/No. T-10Site Name/
Permit No.

Red Bluff Facility / STF-065

Phone No.

432-448-4239

Address

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One) YES NO

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

NORM (mR/hr) _____

TANK BOTTOMS

Feet

Inches

1st Gauge

BS&W Received

BS&W (%)

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

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR



APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



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

February 14, 2025

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CORRAL CANYON 16-9 FED COM 121H

Enclosed are the results of analyses for samples received by the laboratory on 02/13/25 14:25.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	02/13/2025	Sampling Date:	02/12/2025
Reported:	02/14/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 16-9 FED COM 121H	Sampling Condition:	Cool & Intact
Project Number:	03C1558555 & 03C1558543	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.122850, -103.997192		

Sample ID: CS 01 0.5' (H250878-01)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2025	ND	1.97	98.4	2.00	1.44	
Toluene*	<0.050	0.050	02/13/2025	ND	2.07	104	2.00	1.66	
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.03	101	2.00	1.33	
Total Xylenes*	<0.150	0.150	02/13/2025	ND	5.98	99.6	6.00	1.43	
Total BTX	<0.300	0.300	02/13/2025	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	464	16.0	02/14/2025	ND	480	120	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	02/13/2025	ND	208	104	200	3.62	
DRO >C10-C28*	65.3	10.0	02/13/2025	ND	190	95.1	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	02/13/2025	Sampling Date:	02/12/2025
Reported:	02/14/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 16-9 FED COM 121H	Sampling Condition:	Cool & Intact
Project Number:	03C1558555 & 03C1558543	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.122850, -103.997192		

Sample ID: CS 02 0.5' (H250878-02)

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	02/13/2025	ND	1.97	98.4	2.00	1.44		
Toluene*	<0.050	0.050	02/13/2025	ND	2.07	104	2.00	1.66		
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.03	101	2.00	1.33		
Total Xylenes*	<0.150	0.150	02/13/2025	ND	5.98	99.6	6.00	1.43		
Total BTEx	<0.300	0.300	02/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	02/14/2025	ND	480	120	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	02/13/2025	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	190	95.1	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 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
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	02/13/2025	Sampling Date:	02/12/2025
Reported:	02/14/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 16-9 FED COM 121H	Sampling Condition:	Cool & Intact
Project Number:	03C1558555 & 03C1558543	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.122850, -103.997192		

Sample ID: CS 03 0.5' (H250878-03)

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	02/13/2025	ND	1.97	98.4	2.00	1.44		
Toluene*	<0.050	0.050	02/13/2025	ND	2.07	104	2.00	1.66		
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.03	101	2.00	1.33		
Total Xylenes*	<0.150	0.150	02/13/2025	ND	5.98	99.6	6.00	1.43		
Total BTEx	<0.300	0.300	02/13/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	02/14/2025	ND	480	120	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	02/13/2025	ND	208	104	200	3.62	
DRO >C10-C28*	27.4	10.0	02/13/2025	ND	190	95.1	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	02/13/2025	Sampling Date:	02/12/2025
Reported:	02/14/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 16-9 FED COM 121H	Sampling Condition:	Cool & Intact
Project Number:	03C1558555 & 03C1558543	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.122850, -103.997192		

Sample ID: CS 04 0.5' (H250878-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2025	ND	1.97	98.4	2.00	1.44		
Toluene*	<0.050	0.050	02/13/2025	ND	2.07	104	2.00	1.66		
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.03	101	2.00	1.33		
Total Xylenes*	<0.150	0.150	02/13/2025	ND	5.98	99.6	6.00	1.43		
Total BTX	<0.300	0.300	02/13/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	02/14/2025	ND	480	120	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	02/13/2025	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	190	95.1	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	02/13/2025	Sampling Date:	02/12/2025
Reported:	02/14/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 16-9 FED COM 121H	Sampling Condition:	Cool & Intact
Project Number:	03C1558555 & 03C1558543	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.122850, -103.997192		

Sample ID: FS 01 1' (H250878-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2025	ND	1.97	98.4	2.00	1.44		
Toluene*	<0.050	0.050	02/13/2025	ND	2.07	104	2.00	1.66		
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.03	101	2.00	1.33		
Total Xylenes*	<0.150	0.150	02/13/2025	ND	5.98	99.6	6.00	1.43		
Total BTX	<0.300	0.300	02/13/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	02/14/2025	ND	480	120	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	02/13/2025	ND	208	104	200	3.62	
DRO >C10-C28*	31.7	10.0	02/13/2025	ND	190	95.1	200	4.15	
EXT DRO >C28-C36	12.4	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 102 % 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
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	02/13/2025	Sampling Date:	02/12/2025
Reported:	02/14/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 16-9 FED COM 121H	Sampling Condition:	Cool & Intact
Project Number:	03C1558555 & 03C1558543	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.122850, -103.997192		

Sample ID: FS 02 2' (H250878-06)

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	02/13/2025	ND	1.97	98.4	2.00	1.44		
Toluene*	<0.050	0.050	02/13/2025	ND	2.07	104	2.00	1.66		
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.03	101	2.00	1.33		
Total Xylenes*	<0.150	0.150	02/13/2025	ND	5.98	99.6	6.00	1.43		
Total BTEX	<0.300	0.300	02/13/2025	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	112	16.0	02/14/2025	ND	480	120	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	02/13/2025	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	190	95.1	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 91.9 % 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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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC Project Manager: Ben Belli Address: 3122 National Parks Hwy City: Carlsbad Phone #: 989-854-0852 Project #: 03C1558555 & 03C1558543 Project Name: Corral Canyon 16-9 Fed Com 121H Project Location: 32.122850, -103.9971932 Sampler Name: Jesse Dorman				P.O. #: Company: XTO Energy Inc. Attn: Colton Brown Address: 3104 E. Green St. City: Carlsbad State: NM Zip: 88220 Phone #: Fax #:			
BILL TO				ANALYSIS REQUEST			
Lab I.D. H250818		Sample I.D. CS01 CS02 CS03 CS04 FS01 FS02		Sample Depth (feet) 5' 1' 1' 1' 1' 2'		(G)RAB OR (C)OMP. C C C C C C	
		# CONTAINERS 1 1 1 1 1 1		MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		PRESERV ACID/BASE: ICE / COOL OTHER:	
		DATE 2/12/05 1020 1025 1030 1035 1030 1349		TIME 1020 1025 1030 1035 1030 1349		SAMPLING BTEX TPH CHLORIDE	
Relinquished By: 		Date: 2-13-25 Time: 1435		Received By: 		Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:	
Relinquished By: 		Date: Time:		Received By: 		All Results are emailed. Please provide Email address:	
Relinquished By: 		Date: Time:		Received By: 		REMARKS: Cost Center: 1589641001 & 1870051001 Incident ID: nAPP2427451370 & nAPP2425665588	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C 0.1 Corrected Temp. °C 0.4		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: (Initials) JTB	
Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>		Thermometer ID: 4440 Corrected Factor: -0.33241		Bacteria (only) <input type="checkbox"/> Sample Condition <input checked="" type="checkbox"/> Observed Temp. °C Yes <input type="checkbox"/> No <input type="checkbox"/>		Corrected Temp. °C	

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

February 20, 2025

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CORRAL CANYON 16-9 FED COM 121H

Enclosed are the results of analyses for samples received by the laboratory on 02/17/25 12:30.

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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555 & 03C1558543
Project Manager: BEN BELILL
Fax To:

Reported:
20-Feb-25 17:37

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS 08 0.5'	H250930-01	Soil	13-Feb-25 10:40	17-Feb-25 12:30
FS 08 1'	H250930-02	Soil	13-Feb-25 13:25	17-Feb-25 12:30
FS 09 1'	H250930-03	Soil	13-Feb-25 13:30	17-Feb-25 12:30
CS 12 0.5'	H250930-04	Soil	13-Feb-25 15:07	17-Feb-25 12:30
CS 13 0.5'	H250930-05	Soil	13-Feb-25 15:10	17-Feb-25 12:30
CS 14 0.5'	H250930-06	Soil	13-Feb-25 15:12	17-Feb-25 12:30
CS 15 0.5'	H250930-07	Soil	13-Feb-25 15:15	17-Feb-25 12:30
CS 16 0.5'	H250930-08	Soil	13-Feb-25 15:17	17-Feb-25 12:30
FS 11 1'	H250930-09	Soil	14-Feb-25 08:37	17-Feb-25 12:30
FS 12 1'	H250930-10	Soil	14-Feb-25 08:40	17-Feb-25 12:30

02/20/25 - Client changed the sample IDs on -04 thru -08 (see COC). This is the revised report and will replace the one sent on 02/18/25.

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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555 & 03C1558543
Project Manager: BEN BELILL
Fax To:

Reported:
20-Feb-25 17:37

CS 08 0.5'
H250930-01 (Soil)

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

Chloride	256		16.0	mg/kg	4	5021741	AC	17-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5021708	JH	17-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134 5021708 JH 17-Feb-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
DRO >C10-C28*	110		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	

Surrogate: 1-Chlorooctane 80.3 % 48.2-134 5021724 MS 17-Feb-25 8015B

Surrogate: 1-Chlorooctadecane 78.9 % 49.1-148 5021724 MS 17-Feb-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555 & 03C1558543
Project Manager: BEN BELILL
Fax To:

Reported:
20-Feb-25 17:37

FS 08 1'
H250930-02 (Soil)

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

Chloride	128		16.0	mg/kg	4	5021741	AC	17-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5021708	JH	17-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			119 %	71.5-134		5021708	JH	17-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	

Surrogate: 1-Chlorooctane			93.8 %	48.2-134		5021724	MS	17-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			90.4 %	49.1-148		5021724	MS	17-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555 & 03C1558543
Project Manager: BEN BELILL
Fax To:

Reported:
20-Feb-25 17:37

FS 09 1'
H250930-03 (Soil)

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

Chloride	192		16.0	mg/kg	4	5021741	AC	17-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5021708	JH	17-Feb-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5021708	JH	17-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	126 %	71.5-134	5021708	JH	17-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
DRO >C10-C28*	63.9	10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	

Surrogate: 1-Chlorooctane	92.5 %	48.2-134	5021724	MS	17-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane	89.8 %	49.1-148	5021724	MS	17-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555 & 03C1558543
Project Manager: BEN BELILL
Fax To:

Reported:
20-Feb-25 17:37

CS 12 0.5'
H250930-04 (Soil)

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

Chloride	368		16.0	mg/kg	4	5021741	AC	17-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5021736	JH	17-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %		71.5-134	5021736	JH	17-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
DRO >C10-C28*	296		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	

Surrogate: 1-Chlorooctane			87.3 %		48.2-134	5021724	MS	17-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			87.7 %		49.1-148	5021724	MS	17-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555 & 03C1558543
Project Manager: BEN BELILL
Fax To:

Reported:
20-Feb-25 17:37

CS 13 0.5'
H250930-05 (Soil)

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

Chloride	160		16.0	mg/kg	4	5021741	AC	17-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5021736	JH	17-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %	71.5-134		5021736	JH	17-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
DRO >C10-C28*	585		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	

Surrogate: 1-Chlorooctane			89.2 %	48.2-134		5021724	MS	17-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			93.9 %	49.1-148		5021724	MS	17-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555 & 03C1558543
Project Manager: BEN BELILL
Fax To:

Reported:
20-Feb-25 17:37

CS 14 0.5'
H250930-06 (Soil)

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

Chloride	160		16.0	mg/kg	4	5021741	AC	17-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5021736	JH	17-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5-134		5021736	JH	17-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
DRO >C10-C28*	208		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	

Surrogate: 1-Chlorooctane			86.9 %	48.2-134		5021724	MS	17-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			85.4 %	49.1-148		5021724	MS	17-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555 & 03C1558543
Project Manager: BEN BELILL
Fax To:

Reported:
20-Feb-25 17:37

CS 15 0.5'
H250930-07 (Soil)

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

Chloride	224		16.0	mg/kg	4	5021741	AC	17-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5021736	JH	17-Feb-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			110 %	71.5-134		5021736	JH	17-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			97.9 %	48.2-134		5021724	MS	17-Feb-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			94.0 %	49.1-148		5021724	MS	17-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555 & 03C1558543
Project Manager: BEN BELILL
Fax To:

Reported:
20-Feb-25 17:37

CS 16 0.5'
H250930-08 (Soil)

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

Chloride	304		16.0	mg/kg	4	5021741	AC	17-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5-134		5021736	JH	17-Feb-25	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
DRO >C10-C28*	21.2		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
Surrogate: 1-Chlorooctane			86.9 %	48.2-134		5021724	MS	17-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			85.6 %	49.1-148		5021724	MS	17-Feb-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555 & 03C1558543
Project Manager: BEN BELILL
Fax To:

Reported:
20-Feb-25 17:37

FS 11 1'
H250930-09 (Soil)

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

Chloride	208		16.0	mg/kg	4	5021741	AC	17-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5021736	JH	17-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	109 %	71.5-134	5021736	JH	17-Feb-25	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B

Surrogate: 1-Chlorooctane	76.3 %	48.2-134	5021724	MS	17-Feb-25	8015B
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Surrogate: 1-Chlorooctadecane	72.3 %	49.1-148	5021724	MS	17-Feb-25	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555 & 03C1558543
Project Manager: BEN BELILL
Fax To:

Reported:
20-Feb-25 17:37

FS 12 1'
H250930-10 (Soil)

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

Chloride	352		16.0	mg/kg	4	5021742	HM	17-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5021736	JH	17-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5021736	JH	17-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %		71.5-134	5021736	JH	17-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
DRO >C10-C28*	28.5		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5021724	MS	17-Feb-25	8015B	

Surrogate: 1-Chlorooctane			88.9 %		48.2-134	5021724	MS	17-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			83.7 %		49.1-148	5021724	MS	17-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555 & 03C1558543
Project Manager: BEN BELILL
Fax To:

Reported:
20-Feb-25 17:37

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5021741 - 1:4 DI Water**Blank (5021741-BLK1)**

Prepared & Analyzed: 17-Feb-25

Chloride	ND	16.0	mg/kg							
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LCS (5021741-BS1)

Prepared & Analyzed: 17-Feb-25

Chloride	416	16.0	mg/kg	400		104	80-120			
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LCS Dup (5021741-BSD1)

Prepared & Analyzed: 17-Feb-25

Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	
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Batch 5021742 - 1:4 DI Water**Blank (5021742-BLK1)**

Prepared & Analyzed: 17-Feb-25

Chloride	ND	16.0	mg/kg							
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LCS (5021742-BS1)

Prepared & Analyzed: 17-Feb-25

Chloride	416	16.0	mg/kg	400		104	80-120			
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LCS Dup (5021742-BSD1)

Prepared & Analyzed: 17-Feb-25

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
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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
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555 & 03C1558543
Project Manager: BEN BELILL
Fax To:

Reported:
20-Feb-25 17:37

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5021708 - Volatiles**Blank (5021708-BLK1)**

Prepared & Analyzed: 17-Feb-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0602		mg/kg	0.0500		120	71.5-134			

LCS (5021708-BS1)

Prepared & Analyzed: 17-Feb-25

Benzene	2.24	0.050	mg/kg	2.00		112	82.8-130			
Toluene	2.30	0.050	mg/kg	2.00		115	86-128			
Ethylbenzene	2.41	0.050	mg/kg	2.00		121	85.9-128			
m,p-Xylene	4.93	0.100	mg/kg	4.00		123	89-129			
o-Xylene	2.45	0.050	mg/kg	2.00		122	86.1-125			
Total Xylenes	7.38	0.150	mg/kg	6.00		123	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0538		mg/kg	0.0500		108	71.5-134			

LCS Dup (5021708-BSD1)

Prepared & Analyzed: 17-Feb-25

Benzene	2.09	0.050	mg/kg	2.00		105	82.8-130	6.87	15.8	
Toluene	2.06	0.050	mg/kg	2.00		103	86-128	11.2	15.9	
Ethylbenzene	2.11	0.050	mg/kg	2.00		106	85.9-128	13.2	16	
m,p-Xylene	4.32	0.100	mg/kg	4.00		108	89-129	13.2	16.2	
o-Xylene	2.16	0.050	mg/kg	2.00		108	86.1-125	12.4	16.7	
Total Xylenes	6.48	0.150	mg/kg	6.00		108	88.2-128	12.9	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0528		mg/kg	0.0500		106	71.5-134			

Batch 5021736 - Volatiles**Blank (5021736-BLK1)**

Prepared & Analyzed: 17-Feb-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555 & 03C1558543
Project Manager: BEN BELILL
Fax To:

Reported:
20-Feb-25 17:37

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5021736 - Volatiles**Blank (5021736-BLK1)**

Prepared & Analyzed: 17-Feb-25

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0552		mg/kg	0.0500		110	71.5-134			

LCS (5021736-BS1)

Prepared & Analyzed: 17-Feb-25

Benzene	2.09	0.050	mg/kg	2.00		105	82.8-130			
Toluene	2.14	0.050	mg/kg	2.00		107	86-128			
Ethylbenzene	2.16	0.050	mg/kg	2.00		108	85.9-128			
m,p-Xylene	4.51	0.100	mg/kg	4.00		113	89-129			
o-Xylene	2.10	0.050	mg/kg	2.00		105	86.1-125			
Total Xylenes	6.61	0.150	mg/kg	6.00		110	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0528		mg/kg	0.0500		106	71.5-134			

LCS Dup (5021736-BSD1)

Prepared & Analyzed: 17-Feb-25

Benzene	2.03	0.050	mg/kg	2.00		102	82.8-130	2.93	15.8	
Toluene	2.14	0.050	mg/kg	2.00		107	86-128	0.346	15.9	
Ethylbenzene	2.16	0.050	mg/kg	2.00		108	85.9-128	0.00998	16	
m,p-Xylene	4.50	0.100	mg/kg	4.00		113	89-129	0.192	16.2	
o-Xylene	2.09	0.050	mg/kg	2.00		104	86.1-125	0.652	16.7	
Total Xylenes	6.59	0.150	mg/kg	6.00		110	88.2-128	0.338	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0520		mg/kg	0.0500		104	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555 & 03C1558543
Project Manager: BEN BELILL
Fax To:

Reported:
20-Feb-25 17:37

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5021724 - General Prep - Organics**Blank (5021724-BLK1)**

Prepared & Analyzed: 17-Feb-25

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	46.4		mg/kg	50.0		92.9	48.2-134			
Surrogate: 1-Chlorooctadecane	44.6		mg/kg	50.0		89.3	49.1-148			

LCS (5021724-BS1)

Prepared & Analyzed: 17-Feb-25

GRO C6-C10	202	10.0	mg/kg	200		101	81.5-123			
DRO >C10-C28	188	10.0	mg/kg	200		93.8	77.7-122			
Total TPH C6-C28	390	10.0	mg/kg	400		97.4	80.9-121			
Surrogate: 1-Chlorooctane	50.2		mg/kg	50.0		100	48.2-134			
Surrogate: 1-Chlorooctadecane	47.6		mg/kg	50.0		95.2	49.1-148			

LCS Dup (5021724-BSD1)

Prepared & Analyzed: 17-Feb-25

GRO C6-C10	208	10.0	mg/kg	200		104	81.5-123	2.93	13	
DRO >C10-C28	195	10.0	mg/kg	200		97.6	77.7-122	3.99	15.6	
Total TPH C6-C28	403	10.0	mg/kg	400		101	80.9-121	3.44	18.5	
Surrogate: 1-Chlorooctane	51.5		mg/kg	50.0		103	48.2-134			
Surrogate: 1-Chlorooctadecane	49.1		mg/kg	50.0		98.3	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC		BILL TO		ANALYSIS REQUEST															
Project Manager: Ben Beilli		P.O. #:																	
Address: 3122 National Parks Hwy		Company: XTO Energy Inc.																	
City: Carlsbad		Attn: Colton Brown																	
State: NM Zip: 88220		Address: 3104 E. Green St.																	
Phone #: 989-854-0852 Fax #:		City: Carlsbad																	
Project #: 03C1558555 & 03C1558543 Project Owner: XTO		State: NM Zip: 88220																	
Project Name: Corral Canyon 16-9 Fed Com 121H		Phone #:																	
Project Location: 32.122850, -103.9971932		Fax #:																	
Sampler Name: Jesse Dorman																			
<small>FOR LAB USE ONLY</small>																			
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	BTEX	TPH	CHLORIDE				
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :						ACID/BASE:	ICE / COOL	OTHER :	
HS0930	CS08	0.5'	✓	1															
1	CS08	0.5'	✓	1															
2	CS08	0.5'	✓	1															
3	CS09	0.5'	✓	1															
4	CS10	0.5'	✓	1															
5	CS13	0.5'	✓	1															
6	CS14	0.5'	✓	1															
7	CS15	0.5'	✓	1															
8	CS16	0.5'	✓	1															
9	CS11	1.1'	✓	1															
10	CS12	1.1'	✓	1															
<small>PLEASE NOTE: Liability and Damages. Cardholder'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 the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall 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 services hereunder by Cardinal. Regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																			
Relinquished By:		Date: 2-17-25	Received By:																
Relinquished By:		Date: 2-17-25	Received By:																
Delivered By: (Circle One)		Observed Temp. °C: 2.1	Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials)															
Sampler - UPS - Bus - Other:		Corrected Temp. °C: 2.4	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																
Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>		Thermometer ID: #440	Correction Factor: 0.3	Bacteria (only) Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No															
REMARKS: *Customer requested duplicate analyses.																			
Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																			
All Results are emailed. Please provide Email address:																			
Incident ID:																			
Cost Center:																			
1589641001 & 1870051001																			
nAPP2427451370 & nAPP242566588																			

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

March 21, 2025

BEN BELILL

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: CORRAL CANYON 16-9 FED COM 121H

Enclosed are the results of analyses for samples received by the laboratory on 02/20/25 14:02.

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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1550852
Project Manager: BEN BELILL
Fax To:

Reported:
21-Mar-25 17:24

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS 11 6'	H251016-01	Soil	19-Feb-25 00:00	20-Feb-25 14:02
FS 14 5'	H251016-02	Soil	19-Feb-25 00:00	20-Feb-25 14:02
FS 03 1'	H251016-03	Soil	19-Feb-25 00:00	20-Feb-25 14:02
FS 22 1'	H251016-04	Soil	19-Feb-25 00:00	20-Feb-25 14:02
SW 04 0-4'	H251016-05	Soil	19-Feb-25 00:00	20-Feb-25 14:02
FS 20 2'	H251016-06	Soil	19-Feb-25 00:00	20-Feb-25 14:02
FS 21 1'	H251016-07	Soil	19-Feb-25 00:00	20-Feb-25 14:02
FS 04 4'	H251016-08	Soil	19-Feb-25 00:00	20-Feb-25 14:02
FS 23 4'	H251016-09	Soil	19-Feb-25 00:00	20-Feb-25 14:02
SW 03 0-1'	H251016-10	Soil	19-Feb-25 00:00	20-Feb-25 14:02

03/21/25 - Samples were originally logged in with another project. This is the revised report and will replace the one sent on 02/26/25.

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Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1550852
Project Manager: BEN BELILL
Fax To:

Reported:
21-Mar-25 17:24

FS 11 6'
H251016-01 (Soil)

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

Chloride	240		16.0	mg/kg	4	5022180	HM	21-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5022110	JH	22-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134 5022110 JH 22-Feb-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	

Surrogate: 1-Chlorooctane 96.3 % 48.2-134 5022122 MS 21-Feb-25 8015B

Surrogate: 1-Chlorooctadecane 95.0 % 49.1-148 5022122 MS 21-Feb-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1550852
Project Manager: BEN BELILL
Fax To:

Reported:
21-Mar-25 17:24

FS 14 5'
H251016-02 (Soil)

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

Chloride	96.0		16.0	mg/kg	4	5022180	HM	21-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5022110	JH	22-Feb-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			115 %	71.5-134		5022110	JH	22-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			96.5 %	48.2-134		5022122	MS	21-Feb-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			93.5 %	49.1-148		5022122	MS	21-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1550852
Project Manager: BEN BELILL
Fax To:

Reported:
21-Mar-25 17:24

FS 03 1'
H251016-03 (Soil)

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

Chloride	208		16.0	mg/kg	4	5022180	HM	21-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5022110	JH	22-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	118 %	71.5-134	5022110	JH	22-Feb-25	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B

Surrogate: 1-Chlorooctane	95.5 %	48.2-134	5022122	MS	21-Feb-25	8015B
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Surrogate: 1-Chlorooctadecane	91.2 %	49.1-148	5022122	MS	21-Feb-25	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1550852
Project Manager: BEN BELILL
Fax To:

Reported:
21-Mar-25 17:24

FS 22 1'
H251016-04 (Soil)

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

Chloride	304		16.0	mg/kg	4	5022180	HM	21-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5022110	JH	22-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			116 %		71.5-134	5022110	JH	22-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
DRO >C10-C28*	146		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	

Surrogate: 1-Chlorooctane			91.5 %		48.2-134	5022122	MS	21-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			88.8 %		49.1-148	5022122	MS	21-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1550852
Project Manager: BEN BELILL
Fax To:

Reported:
21-Mar-25 17:24

SW 04 0-4'
H251016-05 (Soil)

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

Chloride	592		16.0	mg/kg	4	5022180	HM	21-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5022110	JH	22-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			119 %		71.5-134	5022110	JH	22-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	

Surrogate: 1-Chlorooctane			96.0 %		48.2-134	5022122	MS	21-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			92.6 %		49.1-148	5022122	MS	21-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1550852
Project Manager: BEN BELILL
Fax To:

Reported:
21-Mar-25 17:24

FS 20 2'
H251016-06 (Soil)

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

Chloride	160		16.0	mg/kg	4	5022180	HM	21-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5022110	JH	22-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			114 %		71.5-134	5022110	JH	22-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022122	MS	21-Feb-25	8015B	

Surrogate: 1-Chlorooctane			89.8 %		48.2-134	5022122	MS	21-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			87.0 %		49.1-148	5022122	MS	21-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1550852
Project Manager: BEN BELILL
Fax To:

Reported:
21-Mar-25 17:24

FS 21 1'
H251016-07 (Soil)

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

Chloride	192		16.0	mg/kg	4	5022180	HM	21-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5022110	JH	22-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	116 %	71.5-134	5022110	JH	22-Feb-25	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5022123	MS	21-Feb-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5022123	MS	21-Feb-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5022123	MS	21-Feb-25	8015B

Surrogate: 1-Chlorooctane	90.5 %	48.2-134	5022123	MS	21-Feb-25	8015B
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Surrogate: 1-Chlorooctadecane	92.8 %	49.1-148	5022123	MS	21-Feb-25	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1550852
Project Manager: BEN BELILL
Fax To:

Reported:
21-Mar-25 17:24

FS 04 4'
H251016-08 (Soil)

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

Chloride	112		16.0	mg/kg	4	5022178	AC	22-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5022110	JH	22-Feb-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			113 %	71.5-134		5022110	JH	22-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5022123	MS	21-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022123	MS	21-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022123	MS	21-Feb-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			80.4 %	48.2-134		5022123	MS	21-Feb-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			82.1 %	49.1-148		5022123	MS	21-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1550852
Project Manager: BEN BELILL
Fax To:

Reported:
21-Mar-25 17:24

FS 23 4'
H251016-09 (Soil)

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

Chloride	288		16.0	mg/kg	4	5022178	AC	22-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5022110	JH	22-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5022110	JH	22-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			114 %		71.5-134	5022110	JH	22-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5022123	MS	21-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022123	MS	21-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022123	MS	21-Feb-25	8015B	

Surrogate: 1-Chlorooctane			83.1 %		48.2-134	5022123	MS	21-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			87.4 %		49.1-148	5022123	MS	21-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1550852
Project Manager: BEN BELILL
Fax To:

Reported:
21-Mar-25 17:24

SW 03 0-1'
H251016-10 (Soil)

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

Chloride	400		16.0	mg/kg	4	5022178	AC	22-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5022111	JH	23-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5022111	JH	23-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5022111	JH	23-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5022111	JH	23-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5022111	JH	23-Feb-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.0 %		71.5-134	5022111	JH	23-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5022123	MS	21-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022123	MS	21-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022123	MS	21-Feb-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.7 %		48.2-134	5022123	MS	21-Feb-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			90.9 %		49.1-148	5022123	MS	21-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1550852
Project Manager: BEN BELILL
Fax To:

Reported:
21-Mar-25 17:24

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5022178 - 1:4 DI Water**Blank (5022178-BLK1)**

Prepared: 21-Feb-25 Analyzed: 22-Feb-25

Chloride	ND	16.0	mg/kg							
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LCS (5022178-BS1)

Prepared: 21-Feb-25 Analyzed: 22-Feb-25

Chloride	416	16.0	mg/kg	400		104	80-120			
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LCS Dup (5022178-BSD1)

Prepared: 21-Feb-25 Analyzed: 22-Feb-25

Chloride	400	16.0	mg/kg	400		100	80-120	3.92	20	
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Batch 5022180 - 1:4 DI Water**Blank (5022180-BLK1)**

Prepared & Analyzed: 21-Feb-25

Chloride	ND	16.0	mg/kg							
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LCS (5022180-BS1)

Prepared & Analyzed: 21-Feb-25

Chloride	432	16.0	mg/kg	400		108	80-120			
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LCS Dup (5022180-BSD1)

Prepared & Analyzed: 21-Feb-25

Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
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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, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1550852
Project Manager: BEN BELILL
Fax To:

Reported:
21-Mar-25 17:24

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5022110 - Volatiles**Blank (5022110-BLK1)**

Prepared: 21-Feb-25 Analyzed: 22-Feb-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0592		mg/kg	0.0500		118	71.5-134			

LCS (5022110-BS1)

Prepared: 21-Feb-25 Analyzed: 22-Feb-25

Benzene	2.05	0.050	mg/kg	2.00		103	82.8-130			
Toluene	2.09	0.050	mg/kg	2.00		105	86-128			
Ethylbenzene	2.17	0.050	mg/kg	2.00		108	85.9-128			
m,p-Xylene	4.42	0.100	mg/kg	4.00		110	89-129			
o-Xylene	2.21	0.050	mg/kg	2.00		110	86.1-125			
Total Xylenes	6.62	0.150	mg/kg	6.00		110	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0526		mg/kg	0.0500		105	71.5-134			

LCS Dup (5022110-BSD1)

Prepared: 21-Feb-25 Analyzed: 22-Feb-25

Benzene	2.03	0.050	mg/kg	2.00		102	82.8-130	0.924	15.8	
Toluene	2.17	0.050	mg/kg	2.00		108	86-128	3.55	15.9	
Ethylbenzene	2.25	0.050	mg/kg	2.00		112	85.9-128	3.80	16	
m,p-Xylene	4.59	0.100	mg/kg	4.00		115	89-129	3.93	16.2	
o-Xylene	2.29	0.050	mg/kg	2.00		115	86.1-125	3.81	16.7	
Total Xylenes	6.89	0.150	mg/kg	6.00		115	88.2-128	3.89	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0545		mg/kg	0.0500		109	71.5-134			

Batch 5022111 - Volatiles**Blank (5022111-BLK1)**

Prepared: 21-Feb-25 Analyzed: 23-Feb-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1550852
Project Manager: BEN BELILL
Fax To:

Reported:
21-Mar-25 17:24

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5022111 - Volatiles**Blank (5022111-BLK1)**

Prepared: 21-Feb-25 Analyzed: 23-Feb-25

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		97.0	71.5-134			

LCS (5022111-BS1)

Prepared: 21-Feb-25 Analyzed: 23-Feb-25

Benzene	2.02	0.050	mg/kg	2.00		101	82.8-130			
Toluene	2.08	0.050	mg/kg	2.00		104	86-128			
Ethylbenzene	2.00	0.050	mg/kg	2.00		100	85.9-128			
m,p-Xylene	3.95	0.100	mg/kg	4.00		98.7	89-129			
o-Xylene	1.95	0.050	mg/kg	2.00		97.3	86.1-125			
Total Xylenes	5.89	0.150	mg/kg	6.00		98.2	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0478		mg/kg	0.0500		95.6	71.5-134			

LCS Dup (5022111-BSD1)

Prepared: 21-Feb-25 Analyzed: 23-Feb-25

Benzene	1.99	0.050	mg/kg	2.00		99.4	82.8-130	1.75	15.8	
Toluene	2.05	0.050	mg/kg	2.00		102	86-128	1.53	15.9	
Ethylbenzene	1.97	0.050	mg/kg	2.00		98.3	85.9-128	1.69	16	
m,p-Xylene	3.87	0.100	mg/kg	4.00		96.7	89-129	2.04	16.2	
o-Xylene	1.91	0.050	mg/kg	2.00		95.3	86.1-125	2.04	16.7	
Total Xylenes	5.77	0.150	mg/kg	6.00		96.2	88.2-128	2.04	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0478		mg/kg	0.0500		95.6	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1550852
Project Manager: BEN BELILL
Fax To:

Reported:
21-Mar-25 17:24

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5022122 - General Prep - Organics**Blank (5022122-BLK1)**

Prepared & Analyzed: 21-Feb-25

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	53.2		mg/kg	50.0		106	48.2-134			
Surrogate: 1-Chlorooctadecane	54.8		mg/kg	50.0		110	49.1-148			

LCS (5022122-BS1)

Prepared & Analyzed: 21-Feb-25

GRO C6-C10	216	10.0	mg/kg	200		108	81.5-123			
DRO >C10-C28	200	10.0	mg/kg	200		100	77.7-122			
Total TPH C6-C28	416	10.0	mg/kg	400		104	80.9-121			
Surrogate: 1-Chlorooctane	59.7		mg/kg	50.0		119	48.2-134			
Surrogate: 1-Chlorooctadecane	59.0		mg/kg	50.0		118	49.1-148			

LCS Dup (5022122-BS1)

Prepared & Analyzed: 21-Feb-25

GRO C6-C10	219	10.0	mg/kg	200		109	81.5-123	1.49	13	
DRO >C10-C28	205	10.0	mg/kg	200		103	77.7-122	2.59	15.6	
Total TPH C6-C28	424	10.0	mg/kg	400		106	80.9-121	2.02	18.5	
Surrogate: 1-Chlorooctane	62.0		mg/kg	50.0		124	48.2-134			
Surrogate: 1-Chlorooctadecane	60.4		mg/kg	50.0		121	49.1-148			

Batch 5022123 - General Prep - Organics**Blank (5022123-BLK1)**

Prepared & Analyzed: 21-Feb-25

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	51.8		mg/kg	50.0		104	48.2-134			
Surrogate: 1-Chlorooctadecane	55.3		mg/kg	50.0		111	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, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1550852
Project Manager: BEN BELILL
Fax To:

Reported:
21-Mar-25 17:24

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5022123 - General Prep - Organics**LCS (5022123-BS1)**

Prepared & Analyzed: 21-Feb-25

GRO C6-C10	212	10.0	mg/kg	200		106	81.5-123			
DRO >C10-C28	215	10.0	mg/kg	200		108	77.7-122			
Total TPH C6-C28	427	10.0	mg/kg	400		107	80.9-121			
Surrogate: 1-Chlorooctane	60.1		mg/kg	50.0		120	48.2-134			
Surrogate: 1-Chlorooctadecane	62.8		mg/kg	50.0		126	49.1-148			

LCS Dup (5022123-BS1)

Prepared & Analyzed: 21-Feb-25

GRO C6-C10	215	10.0	mg/kg	200		108	81.5-123	1.40	13	
DRO >C10-C28	214	10.0	mg/kg	200		107	77.7-122	0.509	15.6	
Total TPH C6-C28	429	10.0	mg/kg	400		107	80.9-121	0.442	18.5	
Surrogate: 1-Chlorooctane	62.6		mg/kg	50.0		125	48.2-134			
Surrogate: 1-Chlorooctadecane	63.4		mg/kg	50.0		127	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

April 03, 2025

BEN BELILL

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: CORRAL CANYON 16-9 FED COM 121H

Enclosed are the results of analyses for samples received by the laboratory on 02/24/25 12:30.

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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:03

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW 01 0-2'	H251067-01	Soil	20-Feb-25 09:10	24-Feb-25 12:30
SW 05 0-6	H251067-02	Soil	20-Feb-25 09:20	24-Feb-25 12:30
FS 19 1	H251067-03	Soil	20-Feb-25 11:00	24-Feb-25 12:30
FS 17 2	H251067-04	Soil	20-Feb-25 11:03	24-Feb-25 12:30
FS 18 1	H251067-05	Soil	20-Feb-25 11:08	24-Feb-25 12:30
FS 10 3	H251067-06	Soil	20-Feb-25 11:18	24-Feb-25 12:30
FS 13 3	H251067-07	Soil	20-Feb-25 11:21	24-Feb-25 12:30
FS 16 3	H251067-08	Soil	20-Feb-25 11:23	24-Feb-25 12:30
FS 15 5	H251067-09	Soil	20-Feb-25 14:02	24-Feb-25 12:30
FS 07 5	H251067-10	Soil	20-Feb-25 14:14	24-Feb-25 12:30
FS 12 5	H251067-11	Soil	20-Feb-25 14:20	24-Feb-25 12:30
SW 02 0-1	H251067-12	Soil	20-Feb-25 14:24	24-Feb-25 12:30

04/03/25 - Client changed the sample ID on -01 (see COC). This is the revised report and will replace the one sent on 02/25/25.

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:03

SW 01 0-2'
H251067-01 (Soil)

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

Chloride	240		16.0	mg/kg	4	5022466	HM	25-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5022426	JH	24-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134 5022426 JH 24-Feb-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	

Surrogate: 1-Chlorooctane 108 % 48.2-134 5022434 MS 24-Feb-25 8015B

Surrogate: 1-Chlorooctadecane 114 % 49.1-148 5022434 MS 24-Feb-25 8015B

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, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:03

SW 05 0-6
H251067-02 (Soil)

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

Chloride	576		16.0	mg/kg	4	5022466	HM	25-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5022426	JH	24-Feb-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	71.5-134		5022426	JH	24-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			111 %	48.2-134		5022434	MS	24-Feb-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			115 %	49.1-148		5022434	MS	24-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:03

FS 19 1
H251067-03 (Soil)

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

Chloride	160		16.0	mg/kg	4	5022503	AC	25-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5022426	JH	24-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		5022426	JH	24-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	

Surrogate: 1-Chlorooctane			97.6 %	48.2-134		5022434	MS	24-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			100 %	49.1-148		5022434	MS	24-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:03

FS 17 2
H251067-04 (Soil)

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

Chloride	288		16.0	mg/kg	4	5022503	AC	25-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5022426	JH	24-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	109 %	71.5-134	5022426	JH	24-Feb-25	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B

Surrogate: 1-Chlorooctane	92.8 %	48.2-134	5022434	MS	24-Feb-25	8015B
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Surrogate: 1-Chlorooctadecane	93.6 %	49.1-148	5022434	MS	24-Feb-25	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:03

FS 18 1
H251067-05 (Soil)

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

Chloride	192		16.0	mg/kg	4	5022503	AC	25-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5022426	JH	24-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	110 %	71.5-134	5022426	JH	24-Feb-25	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B

Surrogate: 1-Chlorooctane	108 %	48.2-134	5022434	MS	24-Feb-25	8015B
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Surrogate: 1-Chlorooctadecane	110 %	49.1-148	5022434	MS	24-Feb-25	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:03

FS 10 3
H251067-06 (Soil)

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

Chloride	224		16.0	mg/kg	4	5022503	AC	25-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5022426	JH	24-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5-134		5022426	JH	24-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
DRO >C10-C28*	281		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	

Surrogate: 1-Chlorooctane			113 %	48.2-134		5022434	MS	24-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			127 %	49.1-148		5022434	MS	24-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:03

FS 13 3
H251067-07 (Soil)

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

Chloride	256		16.0	mg/kg	4	5022503	AC	25-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5022426	JH	24-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %		71.5-134	5022426	JH	24-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
DRO >C10-C28*	15.1		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	

Surrogate: 1-Chlorooctane			121 %		48.2-134	5022434	MS	24-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			125 %		49.1-148	5022434	MS	24-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:03

FS 16 3
H251067-08 (Soil)

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

Chloride	320		16.0	mg/kg	4	5022503	AC	25-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5022426	JH	24-Feb-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	71.5-134		5022426	JH	24-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			117 %	48.2-134		5022434	MS	24-Feb-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			120 %	49.1-148		5022434	MS	24-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:03

FS 15 5
H251067-09 (Soil)

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

Chloride	192		16.0	mg/kg	4	5022503	AC	25-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			111 %	71.5-134		5022426	JH	24-Feb-25	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctane			122 %	48.2-134		5022434	MS	24-Feb-25	8015B	
Surrogate: 1-Chlorooctadecane			127 %	49.1-148		5022434	MS	24-Feb-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:03

FS 07 5
H251067-10 (Soil)

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

Chloride	160		16.0	mg/kg	4	5022503	AC	25-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5022426	JH	24-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		5022426	JH	24-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	

Surrogate: 1-Chlorooctane			116 %	48.2-134		5022434	MS	24-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			124 %	49.1-148		5022434	MS	24-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:03

FS 12 5
H251067-11 (Soil)

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

Chloride	112		16.0	mg/kg	4	5022503	AC	25-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5022426	JH	24-Feb-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	71.5-134		5022426	JH	24-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			97.1 %	48.2-134		5022434	MS	24-Feb-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			101 %	49.1-148		5022434	MS	24-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:03

SW 02 0-1
H251067-12 (Soil)

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

Chloride	448		16.0	mg/kg	4	5022503	AC	25-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5022426	JH	24-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5022426	JH	24-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5-134		5022426	JH	24-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
DRO >C10-C28*	141		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5022434	MS	24-Feb-25	8015B	

Surrogate: 1-Chlorooctane			105 %	48.2-134		5022434	MS	24-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			115 %	49.1-148		5022434	MS	24-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:03

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5022466 - 1:4 DI Water**Blank (5022466-BLK1)**

Prepared & Analyzed: 24-Feb-25

Chloride	ND	16.0	mg/kg							
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LCS (5022466-BS1)

Prepared & Analyzed: 24-Feb-25

Chloride	416	16.0	mg/kg	400		104	80-120			
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LCS Dup (5022466-BSD1)

Prepared & Analyzed: 24-Feb-25

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
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Batch 5022503 - 1:4 DI Water**Blank (5022503-BLK1)**

Prepared & Analyzed: 25-Feb-25

Chloride	ND	16.0	mg/kg							
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LCS (5022503-BS1)

Prepared & Analyzed: 25-Feb-25

Chloride	432	16.0	mg/kg	400		108	80-120			
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LCS Dup (5022503-BSD1)

Prepared & Analyzed: 25-Feb-25

Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:03

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5022426 - Volatiles**Blank (5022426-BLK1)**

Prepared & Analyzed: 24-Feb-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0539		mg/kg	0.0500		108	71.5-134			

LCS (5022426-BS1)

Prepared & Analyzed: 24-Feb-25

Benzene	2.12	0.050	mg/kg	2.00		106	82.8-130			
Toluene	2.28	0.050	mg/kg	2.00		114	86-128			
Ethylbenzene	2.32	0.050	mg/kg	2.00		116	85.9-128			
m,p-Xylene	4.87	0.100	mg/kg	4.00		122	89-129			
o-Xylene	2.32	0.050	mg/kg	2.00		116	86.1-125			
Total Xylenes	7.19	0.150	mg/kg	6.00		120	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0518		mg/kg	0.0500		104	71.5-134			

LCS Dup (5022426-BSD1)

Prepared & Analyzed: 24-Feb-25

Benzene	2.20	0.050	mg/kg	2.00		110	82.8-130	3.94	15.8	
Toluene	2.41	0.050	mg/kg	2.00		120	86-128	5.64	15.9	
Ethylbenzene	2.44	0.050	mg/kg	2.00		122	85.9-128	5.18	16	
m,p-Xylene	5.05	0.100	mg/kg	4.00		126	89-129	3.59	16.2	
o-Xylene	2.40	0.050	mg/kg	2.00		120	86.1-125	3.30	16.7	
Total Xylenes	7.45	0.150	mg/kg	6.00		124	88.2-128	3.49	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0515		mg/kg	0.0500		103	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:03

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5022434 - General Prep - Organics**Blank (5022434-BLK1)**

Prepared & Analyzed: 24-Feb-25

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	63.7		mg/kg	50.0		127	48.2-134			
Surrogate: 1-Chlorooctadecane	64.5		mg/kg	50.0		129	49.1-148			

LCS (5022434-BS1)

Prepared & Analyzed: 24-Feb-25

GRO C6-C10	201	10.0	mg/kg	200		101	81.5-123			
DRO >C10-C28	183	10.0	mg/kg	200		91.6	77.7-122			
Total TPH C6-C28	384	10.0	mg/kg	400		96.1	80.9-121			
Surrogate: 1-Chlorooctane	62.8		mg/kg	50.0		126	48.2-134			
Surrogate: 1-Chlorooctadecane	64.0		mg/kg	50.0		128	49.1-148			

LCS Dup (5022434-BS1)

Prepared & Analyzed: 24-Feb-25

GRO C6-C10	209	10.0	mg/kg	200		105	81.5-123	3.81	13	
DRO >C10-C28	197	10.0	mg/kg	200		98.5	77.7-122	7.19	15.6	
Total TPH C6-C28	406	10.0	mg/kg	400		101	80.9-121	5.44	18.5	
Surrogate: 1-Chlorooctane	65.4		mg/kg	50.0		131	48.2-134			
Surrogate: 1-Chlorooctadecane	66.2		mg/kg	50.0		132	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC Project Manager: <i>Ben Bell</i> Address: 601 N Martenfeld Street, Suite 400 City: Midland State: TX Zip: 79701 Phone #: 889-854-0654 Fax #: Project Owner: XTO Energy Project #: 03C1558555 Project Name: <i>Carroll Canyon 15-90 fed from 12th</i> Project Location: <i>32.122850, -103.9971932</i> Sampler Name: <i>Erica Rios</i>				P.O. #: Company: XTO Energy, Inc Attn: Colton Brown Address: 3104 E Greene St City: Carlsbad State: NM Zip: 88220 Phone #: Fax #:														
FOR LAB USE ONLY				BILL TO														
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.	SAMPLING	TPH 8015	BTEX 8021	Chloride 4500						
					GROUNDWATER	WASTEWATER	SOIL											
<i>HS1067</i>	<i>SW01</i>	<i>0-6'</i>	<i>C-1</i>	<i>1</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>SW05</i>		<i>C-1</i>	<i>1</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>SW19</i>		<i>C-1</i>	<i>1</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>SW17</i>		<i>C-1</i>	<i>1</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>SW18</i>		<i>C-1</i>	<i>1</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>SW10</i>		<i>C-1</i>	<i>1</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>SW13</i>		<i>C-1</i>	<i>1</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>SW16</i>		<i>C-1</i>	<i>1</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>SW15</i>		<i>C-1</i>	<i>1</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>SW07</i>		<i>C-1</i>	<i>1</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Relinquished By: <i>Erica Rios</i> Date: <i>8/4/25</i> Time: <i>1030</i>		Received By: <i>Speedriguey</i> Date: Time:	
Relinquished By:		Received By:	

REMARKS: ** Customer requested Depth changes to 4 1/2*

Delivered By: (Circle One) Sampler - UPS Bus Other:	Observed Temp. °C <i>-0.4</i>	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: <i>[Signature]</i> Turnaround Time: <i>#40 to 3h</i> Thermometer ID #443 Correction Factor -0.5°C	Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> 24h	Bacteria (only) <input type="checkbox"/> Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	Observed Temp. °C Corrected Temp. °C
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Verbal Result: ☐ Yes ☐ No **Add'l Phone #:**
All Results are emailed. Please provide Email address:
Bell@ensolum.com, Morrissey@ensolum.com, Thillard@ensolum.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC

Project Manager: Ben Bell

Address: 601 N Marientfeld Street, Suite 400

City: Midland

Phone #: 984-854-0854

Project #: 0361558556

Project Name: Cerec Longen 16-8 for Lem 121H

Project Location: 32, 122854, -103.9971932

Sampler Name: Ben Roe

BILL TO

P.O. #:

Company: XTO Energy, Inc

Attn: Colton Brown

Address: 3104 E Greene St

City: Carlsbad

State: NM Zip: 88220

Phone #:

Fax #:

ANALYSIS REQUEST

Project Manager: Ben Bickel										P.O. #:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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Lab I.D.		Sample I.D.		Depth (feet)		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		TPH 8015		BTEX 8021		Chloride 4500																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

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Relinquished By:

Date: 8/4/25

Received By: Speed Riquelme

Relinquished By:

Date:

Received By:

Delivered By: (Circle One)

Observed Temp. °C

-8.7

Sample Condition

Cool Intact

Yes

Checked By: (initials)

Turnaround Time: 24h

Thermometer ID #113

Correction Factor 0.0

Bacteria (only)

Cool Intact

Yes

Sample Condition

Observed Temp. °C

Corrected Temp. °C

Sampler - UPS - Bus - Other:

Corrected Temp. °C

FORM-000 R 3.2 10/07/21

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

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

April 03, 2025

BEN BELILL

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: CORRAL CANYON 16-9 FED COM 121H

Enclosed are the results of analyses for samples received by the laboratory on 03/12/25 15:45.

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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:07

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW 02 0.1	H251479-01	Soil	11-Mar-25 11:43	12-Mar-25 15:45
FS 22A 1'	H251479-02	Soil	11-Mar-25 11:48	12-Mar-25 15:45
SW 06 0.5	H251479-03	Soil	11-Mar-25 13:20	12-Mar-25 15:45
SW 08 0.3	H251479-04	Soil	11-Mar-25 14:48	12-Mar-25 15:45
SW 09 0.2	H251479-05	Soil	11-Mar-25 14:00	12-Mar-25 15:45
SW 07 0-5.5'	H251479-06	Soil	12-Mar-25 12:17	12-Mar-25 15:45

04/03/25 - Client changed the sample ID for -02 and -06 (see COC). This is the revised report and will replace the one sent on 03/13/25.

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:07

SW 02 0.1
H251479-01 (Soil)

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

Chloride	432		16.0	mg/kg	4	5031313	HM	13-Mar-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5031201	JH	12-Mar-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	92.1 %	71.5-134	5031201	JH	12-Mar-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5031226	MS	12-Mar-25	8015B	
DRO >C10-C28*	87.3	10.0	mg/kg	1	5031226	MS	12-Mar-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5031226	MS	12-Mar-25	8015B	

Surrogate: 1-Chlorooctane	72.3 %	44.4-145	5031226	MS	12-Mar-25	8015B	
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Surrogate: 1-Chlorooctadecane	80.1 %	40.6-153	5031226	MS	12-Mar-25	8015B	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:07

FS 22A 1'
H251479-02 (Soil)

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

Chloride	336		16.0	mg/kg	4	5031313	HM	13-Mar-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5031201	JH	12-Mar-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			91.9 %		71.5-134	5031201	JH	12-Mar-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5031226	MS	12-Mar-25	8015B	
DRO >C10-C28*	12.0		10.0	mg/kg	1	5031226	MS	12-Mar-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5031226	MS	12-Mar-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			88.4 %		44.4-145	5031226	MS	12-Mar-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			94.8 %		40.6-153	5031226	MS	12-Mar-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:07

SW 06 0.5
H251479-03 (Soil)

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

Chloride	112		16.0	mg/kg	4	5031313	HM	13-Mar-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5031201	JH	12-Mar-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>		92.9 %		71.5-134	5031201	JH	12-Mar-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5031226	MS	12-Mar-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5031226	MS	12-Mar-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5031226	MS	12-Mar-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>		77.4 %		44.4-145	5031226	MS	12-Mar-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>		82.0 %		40.6-153	5031226	MS	12-Mar-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:07

SW 08 0.3
H251479-04 (Soil)

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

Chloride	496		16.0	mg/kg	4	5031313	HM	13-Mar-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5031201	JH	12-Mar-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			93.0 %		71.5-134	5031201	JH	12-Mar-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5031226	MS	13-Mar-25	8015B	
DRO >C10-C28*	26.5		10.0	mg/kg	1	5031226	MS	13-Mar-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5031226	MS	13-Mar-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			85.6 %		44.4-145	5031226	MS	13-Mar-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			91.3 %		40.6-153	5031226	MS	13-Mar-25	8015B	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:07

SW 09 0.2
H251479-05 (Soil)

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

Chloride	544		16.0	mg/kg	4	5031313	HM	13-Mar-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5031201	JH	12-Mar-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>		92.4 %		71.5-134	5031201	JH	12-Mar-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5031226	MS	13-Mar-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5031226	MS	13-Mar-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5031226	MS	13-Mar-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>		87.3 %		44.4-145	5031226	MS	13-Mar-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>		92.3 %		40.6-153	5031226	MS	13-Mar-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:07

SW 07 0-5.5'
H251479-06 (Soil)

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

Chloride	208		16.0	mg/kg	4	5031313	HM	13-Mar-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5031201	JH	12-Mar-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5031201	JH	12-Mar-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			91.8 %		71.5-134	5031201	JH	12-Mar-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5031226	MS	13-Mar-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5031226	MS	13-Mar-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5031226	MS	13-Mar-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			81.2 %		44.4-145	5031226	MS	13-Mar-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			85.9 %		40.6-153	5031226	MS	13-Mar-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:07

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 5031313 - 1:4 DI Water									
Blank (5031313-BLK1)					Prepared & Analyzed: 13-Mar-25				
Chloride	ND	16.0	mg/kg						
LCS (5031313-BS1)					Prepared & Analyzed: 13-Mar-25				
Chloride	448	16.0	mg/kg	400		112 80-120			
LCS Dup (5031313-BSD1)					Prepared & Analyzed: 13-Mar-25				
Chloride	416	16.0	mg/kg	400		104 80-120	7.41	20	

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Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:07

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5031201 - Volatiles**Blank (5031201-BLK1)**

Prepared & Analyzed: 12-Mar-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		94.2	71.5-134			

LCS (5031201-BS1)

Prepared & Analyzed: 12-Mar-25

Benzene	1.95	0.050	mg/kg	2.00		97.7	82.8-130			
Toluene	2.06	0.050	mg/kg	2.00		103	86-128			
Ethylbenzene	2.03	0.050	mg/kg	2.00		101	85.9-128			
m,p-Xylene	3.96	0.100	mg/kg	4.00		99.0	89-129			
o-Xylene	1.97	0.050	mg/kg	2.00		98.6	86.1-125			
Total Xylenes	5.93	0.150	mg/kg	6.00		98.9	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0467		mg/kg	0.0500		93.5	71.5-134			

LCS Dup (5031201-BSD1)

Prepared & Analyzed: 12-Mar-25

Benzene	2.04	0.050	mg/kg	2.00		102	82.8-130	4.46	15.8	
Toluene	2.13	0.050	mg/kg	2.00		107	86-128	3.31	15.9	
Ethylbenzene	2.07	0.050	mg/kg	2.00		103	85.9-128	1.82	16	
m,p-Xylene	4.05	0.100	mg/kg	4.00		101	89-129	2.20	16.2	
o-Xylene	2.00	0.050	mg/kg	2.00		100	86.1-125	1.48	16.7	
Total Xylenes	6.05	0.150	mg/kg	6.00		101	88.2-128	1.96	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0456		mg/kg	0.0500		91.2	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL CANYON 16-9 FED COM 1
Project Number: 03C1558555
Project Manager: BEN BELILL
Fax To:

Reported:
03-Apr-25 12:07

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5031226 - General Prep - Organics**Blank (5031226-BLK1)**

Prepared & Analyzed: 12-Mar-25

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	49.4		mg/kg	50.0		98.7	44.4-145			
Surrogate: 1-Chlorooctadecane	51.3		mg/kg	50.0		103	40.6-153			

LCS (5031226-BS1)

Prepared & Analyzed: 12-Mar-25

GRO C6-C10	216	10.0	mg/kg	200		108	81.5-123			
DRO >C10-C28	219	10.0	mg/kg	200		109	77.7-122			
Total TPH C6-C28	434	10.0	mg/kg	400		109	80.9-121			
Surrogate: 1-Chlorooctane	53.8		mg/kg	50.0		108	44.4-145			
Surrogate: 1-Chlorooctadecane	54.5		mg/kg	50.0		109	40.6-153			

LCS Dup (5031226-BS1)

Prepared & Analyzed: 12-Mar-25

GRO C6-C10	222	10.0	mg/kg	200		111	81.5-123	2.70	13	
DRO >C10-C28	224	10.0	mg/kg	200		112	77.7-122	2.42	15.6	
Total TPH C6-C28	446	10.0	mg/kg	400		111	80.9-121	2.56	18.5	
Surrogate: 1-Chlorooctane	58.3		mg/kg	50.0		117	44.4-145			
Surrogate: 1-Chlorooctadecane	57.6		mg/kg	50.0		115	40.6-153			

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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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

Company Name: Ensolum, LLC

BILL TO

ANALYSIS REQUEST

Project Manager: Ben Bell

P.O. #:

Address: 601 N Marland Street, Suite 400

Company: XTO Energy, Inc

City: Midland State: TX Zip: 79701

Attn: Colton Brown

Phone #: 989 854 0852 Fax #:

Address: 3104 E Greene St

Project #: 03C58555 Project Owner: XTO Energy

City: Carlsbad

Project Name: Currey Levee 16-9 Fed Com 121H

State: NM Zip: 88220

Project Location: 32.122850, -103.977193

Phone #:

Sampler Name: Even Row

Fax #:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	</
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Relinquished By: Date: 3.13.25 Received By: CAPAUB

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

Even Row

Time: 545 Date: Received By:

Time: Date: Received By:

Time: Date: Received By:

Time: Date: Received By:

Time: Date: Received By:

Observed Temp. °C 4.9°C Corrected Temp. °C 5.2°C

Sample Condition Cool Intact ☒ Yes ☐ No

CHECKED BY: (Initials) AP

Turnaround Time: 489.13.25 4143 Standard ☒ Bacteria (only) Sample Condition Cool Intact ☒ Yes ☐ No

Thermometer ID #4533 Correction Factor: -0.5°C @ 3.3°C 244

REMARKS: * Customer requested Depth change to 41/25

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



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

March 17, 2025

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CORRAL CANYON 16-9 FED COM 121H

Enclosed are the results of analyses for samples received by the laboratory on 03/14/25 9:22.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 03/14/2025
Reported: 03/17/2025
Project Name: CORRAL CANYON 16-9 FED COM 121H
Project Number: 03C1558555
Project Location: XTO 32.122850, -103.997192

Sampling Date: 03/13/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 10 4' (H251526-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2025	ND	2.09	104	2.00	11.0	
Toluene*	<0.050	0.050	03/14/2025	ND	2.20	110	2.00	6.41	
Ethylbenzene*	<0.050	0.050	03/14/2025	ND	2.34	117	2.00	0.749	
Total Xylenes*	<0.150	0.150	03/14/2025	ND	7.16	119	6.00	0.598	
Total BTX	<0.300	0.300	03/14/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/17/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2025	ND	194	97.2	200	9.16	
DRO >C10-C28*	<10.0	10.0	03/14/2025	ND	183	91.6	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					

Surrogate: 1-Chlorooctane 82.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 03/14/2025
Reported: 03/17/2025
Project Name: CORRAL CANYON 16-9 FED COM 121H
Project Number: 03C1558555
Project Location: XTO 32.122850, -103.997192

Sampling Date: 03/13/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 05 5.5' (H251526-02)

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	03/14/2025	ND	2.09	104	2.00	11.0		
Toluene*	<0.050	0.050	03/14/2025	ND	2.20	110	2.00	6.41		
Ethylbenzene*	<0.050	0.050	03/14/2025	ND	2.34	117	2.00	0.749		
Total Xylenes*	<0.150	0.150	03/14/2025	ND	7.16	119	6.00	0.598		
Total BTEX	<0.300	0.300	03/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	03/17/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2025	ND	194	97.2	200	9.16	
DRO >C10-C28*	87.4	10.0	03/14/2025	ND	183	91.6	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					

Surrogate: 1-Chlorooctane 81.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 03/14/2025
Reported: 03/17/2025
Project Name: CORRAL CANYON 16-9 FED COM 121H
Project Number: 03C1558555
Project Location: XTO 32.122850, -103.997192

Sampling Date: 03/13/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 06 5.5' (H251526-03)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2025	ND	2.09	104	2.00	11.0	
Toluene*	<0.050	0.050	03/14/2025	ND	2.20	110	2.00	6.41	
Ethylbenzene*	<0.050	0.050	03/14/2025	ND	2.34	117	2.00	0.749	
Total Xylenes*	<0.150	0.150	03/14/2025	ND	7.16	119	6.00	0.598	
Total BTX	<0.300	0.300	03/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	336	16.0	03/17/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2025	ND	194	97.2	200	9.16	
DRO >C10-C28*	53.4	10.0	03/14/2025	ND	183	91.6	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 03/14/2025
Reported: 03/17/2025
Project Name: CORRAL CANYON 16-9 FED COM 121H
Project Number: 03C1558555
Project Location: XTO 32.122850, -103.997192

Sampling Date: 03/13/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 24 1' (H251526-04)

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	03/14/2025	ND	1.96	97.9	2.00	8.55		
Toluene*	<0.050	0.050	03/14/2025	ND	1.99	99.7	2.00	7.33		
Ethylbenzene*	<0.050	0.050	03/14/2025	ND	1.98	99.0	2.00	7.80		
Total Xylenes*	<0.150	0.150	03/14/2025	ND	5.77	96.2	6.00	8.08		
Total BTEX	<0.300	0.300	03/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.3 % 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	432	16.0	03/17/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2025	ND	208	104	200	2.75	
DRO >C10-C28*	12.3	10.0	03/14/2025	ND	206	103	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					

Surrogate: 1-Chlorooctane 84.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 03/14/2025
Reported: 03/17/2025
Project Name: CORRAL CANYON 16-9 FED COM 121H
Project Number: 03C1558555
Project Location: XTO 32.122850, -103.997192

Sampling Date: 03/13/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SW 10 0-1' (H251526-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/14/2025	ND	1.96	97.9	2.00	8.55		
Toluene*	<0.050	0.050	03/14/2025	ND	1.99	99.7	2.00	7.33		
Ethylbenzene*	<0.050	0.050	03/14/2025	ND	1.98	99.0	2.00	7.80		
Total Xylenes*	<0.150	0.150	03/14/2025	ND	5.77	96.2	6.00	8.08		
Total BTX	<0.300	0.300	03/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.9 % 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	384	16.0	03/17/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2025	ND	208	104	200	2.75	
DRO >C10-C28*	198	10.0	03/14/2025	ND	206	103	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					

Surrogate: 1-Chlorooctane 81.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 03/14/2025
Reported: 03/17/2025
Project Name: CORRAL CANYON 16-9 FED COM 121H
Project Number: 03C1558555
Project Location: XTO 32.122850, -103.997192

Sampling Date: 03/13/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 25 1' (H251526-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/14/2025	ND	1.96	97.9	2.00	8.55		
Toluene*	<0.050	0.050	03/14/2025	ND	1.99	99.7	2.00	7.33		
Ethylbenzene*	<0.050	0.050	03/14/2025	ND	1.98	99.0	2.00	7.80		
Total Xylenes*	<0.150	0.150	03/14/2025	ND	5.77	96.2	6.00	8.08		
Total BTX	<0.300	0.300	03/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.5 % 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	176	16.0	03/17/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2025	ND	208	104	200	2.75	
DRO >C10-C28*	44.9	10.0	03/14/2025	ND	206	103	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					

Surrogate: 1-Chlorooctane 94.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 100 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 03/14/2025
Reported: 03/17/2025
Project Name: CORRAL CANYON 16-9 FED COM 121H
Project Number: 03C1558555
Project Location: XTO 32.122850, -103.997192

Sampling Date: 03/13/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 26 2' (H251526-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/14/2025	ND	1.96	97.9	2.00	8.55		
Toluene*	<0.050	0.050	03/14/2025	ND	1.99	99.7	2.00	7.33		
Ethylbenzene*	<0.050	0.050	03/14/2025	ND	1.98	99.0	2.00	7.80		
Total Xylenes*	<0.150	0.150	03/14/2025	ND	5.77	96.2	6.00	8.08		
Total BTX	<0.300	0.300	03/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.9 % 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	144	16.0	03/17/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2025	ND	208	104	200	2.75	
DRO >C10-C28*	11.2	10.0	03/14/2025	ND	206	103	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	03/14/2025	ND					

Surrogate: 1-Chlorooctane 93.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 03/14/2025
Reported: 03/17/2025
Project Name: CORRAL CANYON 16-9 FED COM 121H
Project Number: 03C1558555
Project Location: XTO 32.122850, -103.997192

Sampling Date: 03/13/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SW 11 0-2' (H251526-08)

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	03/14/2025	ND	1.96	97.9	2.00	8.55		
Toluene*	<0.050	0.050	03/14/2025	ND	1.99	99.7	2.00	7.33		
Ethylbenzene*	<0.050	0.050	03/14/2025	ND	1.98	99.0	2.00	7.80		
Total Xylenes*	<0.150	0.150	03/14/2025	ND	5.77	96.2	6.00	8.08		
Total BTEX	<0.300	0.300	03/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	03/14/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2025	ND	208	104	200	2.75	
DRO >C10-C28*	74.5	10.0	03/14/2025	ND	206	103	200	5.52	
EXT DRO >C28-C36	25.7	10.0	03/14/2025	ND					

Surrogate: 1-Chlorooctane 89.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

March 28, 2025

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CORRAL CANYON 16-9 FED COM 121H

Enclosed are the results of analyses for samples received by the laboratory on 03/27/25 13:20.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	03/27/2025	Sampling Date:	03/26/2025
Reported:	03/28/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 16-9 FED COM 121H	Sampling Condition:	Cool & Intact
Project Number:	03C1558555 (SPILL)	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.122850, -103.9971932		

Sample ID: SW 13 0-2' (H251804-01)

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	03/27/2025	ND	1.97	98.6	2.00	4.61	
Toluene*	<0.050	0.050	03/27/2025	ND	2.02	101	2.00	3.38	
Ethylbenzene*	<0.050	0.050	03/27/2025	ND	1.97	98.6	2.00	3.21	
Total Xylenes*	<0.150	0.150	03/27/2025	ND	5.86	97.7	6.00	2.78	
Total BTEX	<0.300	0.300	03/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	112	16.0	03/28/2025	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	03/27/2025	ND	203	102	200	1.01	
DRO >C10-C28*	<10.0	10.0	03/27/2025	ND	208	104	200	9.80	
EXT DRO >C28-C36	<10.0	10.0	03/27/2025	ND					

Surrogate: 1-Chlorooctane 97.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.4 % 40.6-153

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
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 03/27/2025
Reported: 03/28/2025
Project Name: CORRAL CANYON 16-9 FED COM 121H
Project Number: 03C1558555 (SPILL)
Project Location: XTO 32.122850, -103.9971932

Sampling Date: 03/26/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW 12 0-1' (H251804-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/27/2025	ND	1.97	98.6	2.00	4.61		
Toluene*	<0.050	0.050	03/27/2025	ND	2.02	101	2.00	3.38		
Ethylbenzene*	<0.050	0.050	03/27/2025	ND	1.97	98.6	2.00	3.21		
Total Xylenes*	<0.150	0.150	03/27/2025	ND	5.86	97.7	6.00	2.78		
Total BTX	<0.300	0.300	03/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	32.0	16.0	03/28/2025	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	03/27/2025	ND	203	102	200	1.01	
DRO >C10-C28*	<10.0	10.0	03/27/2025	ND	208	104	200	9.80	
EXT DRO >C28-C36	<10.0	10.0	03/27/2025	ND					

Surrogate: 1-Chlorooctane 97.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 100 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

April 17, 2025

BEN BELILL

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: CORRAL CANYON 16-9 STATE FED COM 121H - SPILLS

Enclosed are the results of analyses for samples received by the laboratory on 04/16/25 14:47.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	04/16/2025	Sampling Date:	04/16/2025
Reported:	04/17/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 16-9 STATE FED COM	Sampling Condition:	Cool & Intact
Project Number:	03C1558543	Sample Received By:	Shari Cisneros
Project Location:	XTO 32.122850, -103.9971932		

Sample ID: FS 27 2 (H252294-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2025	ND	2.17	109	2.00	4.29	
Toluene*	<0.050	0.050	04/16/2025	ND	2.21	111	2.00	4.20	
Ethylbenzene*	<0.050	0.050	04/16/2025	ND	2.18	109	2.00	4.14	
Total Xylenes*	<0.150	0.150	04/16/2025	ND	6.40	107	6.00	3.99	
Total BTX	<0.300	0.300	04/16/2025	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	160	16.0	04/17/2025	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	04/16/2025	ND	180	89.8	200	4.44	
DRO >C10-C28*	<10.0	10.0	04/16/2025	ND	178	88.9	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	04/16/2025	ND					

Surrogate: 1-Chlorooctane 76.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEN BELILL
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	04/16/2025	Sampling Date:	04/16/2025
Reported:	04/17/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 16-9 STATE FED COM	Sampling Condition:	Cool & Intact
Project Number:	03C1558543	Sample Received By:	Shari Cisneros
Project Location:	XTO 32.122850, -103.9971932		

Sample ID: SW 14 0-2 (H252294-02)

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	04/17/2025	ND	2.17	109	2.00	4.29	
Toluene*	<0.050	0.050	04/17/2025	ND	2.21	111	2.00	4.20	
Ethylbenzene*	<0.050	0.050	04/17/2025	ND	2.18	109	2.00	4.14	
Total Xylenes*	<0.150	0.150	04/17/2025	ND	6.40	107	6.00	3.99	
Total BTEX	<0.300	0.300	04/17/2025	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	176	16.0	04/17/2025	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	04/16/2025	ND	180	89.8	200	4.44	
DRO >C10-C28*	<10.0	10.0	04/16/2025	ND	178	88.9	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	04/16/2025	ND					

Surrogate: 1-Chlorooctane 80.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



Company Name: Ensolum, LLC

FOUO-000 K 3.2 10/01/2001



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

April 04, 2025

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CORRAL CANYON 16-9 FED COM 121H

Enclosed are the results of analyses for samples received by the laboratory on 04/03/25 13:56.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	04/03/2025	Sampling Date:	04/03/2025
Reported:	04/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 16-9 FED COM 121H	Sampling Condition:	Cool & Intact
Project Number:	03C1558555 / 03C1558543	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.122850, -103.9971932		

Sample ID: CS 09 0.5' (H251991-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2025	ND	2.10	105	2.00	10.8	
Toluene*	<0.050	0.050	04/03/2025	ND	2.01	100	2.00	10.8	
Ethylbenzene*	<0.050	0.050	04/03/2025	ND	2.06	103	2.00	11.7	
Total Xylenes*	<0.150	0.150	04/03/2025	ND	6.40	107	6.00	10.6	
Total BTX	<0.300	0.300	04/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	320	16.0	04/04/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2025	ND	208	104	200	1.13	
DRO >C10-C28*	99.0	10.0	04/03/2025	ND	200	100	200	0.537	
EXT DRO >C28-C36	<10.0	10.0	04/03/2025	ND					

Surrogate: 1-Chlorooctane 84.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.4 % 40.6-153

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
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	04/03/2025	Sampling Date:	04/03/2025
Reported:	04/04/2025	Sampling Type:	Soil
Project Name:	CORRAL CANYON 16-9 FED COM 121H	Sampling Condition:	Cool & Intact
Project Number:	03C1558555 / 03C1558543	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.122850, -103.9971932		

Sample ID: CS 11 0.5' (H251991-02)

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	04/03/2025	ND	2.10	105	2.00	10.8		
Toluene*	<0.050	0.050	04/03/2025	ND	2.01	100	2.00	10.8		
Ethylbenzene*	<0.050	0.050	04/03/2025	ND	2.06	103	2.00	11.7		
Total Xylenes*	<0.150	0.150	04/03/2025	ND	6.40	107	6.00	10.6		
Total BTEX	<0.300	0.300	04/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	320	16.0	04/04/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2025	ND	208	104	200	1.13	
DRO >C10-C28*	112	10.0	04/04/2025	ND	200	100	200	0.537	
EXT DRO >C28-C36	<10.0	10.0	04/04/2025	ND					

Surrogate: 1-Chlorooctane 85.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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

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.

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC

Project Manager: Ben Belli

Address: 3122 National Parks Hwy

City: Carlsbad State: NM Zip: 88220

Phone #: 337 257-8307

Fax #:

Project #: 03C1558543 / 03C1558555 Project Owner: XTO

Project Name: Corral Canyon 16-9 Fed Com 121H

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 #:

FOR LAB USE ONLY

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

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 the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date:

Time:

Received By:

Verbal Result:

All Results are emailed. Please provide Email address:

Remarks:

Turnaround Time:

Thermometer ID #113

Correction Factor: -0.5°C

Standard

Bacteria (only)

Sample Condition

Relinquished By:

Date:

Time:

Received By:

Verbal Result:

All Results are emailed. Please provide Email address:

Remarks:

Turnaround Time:

Thermometer ID #113

Correction Factor: -0.5°C

Standard

Bacteria (only)

Sample Condition

Delivered By: (Circle One)

Observed Temp.: °C

Sample Condition

Checked By: (Initials)

Turnaround Time:

Thermometer ID #113

Correction Factor: -0.5°C

Standard

Bacteria (only)

Sample Condition

Observed Temp.: °C

Corrected Temp.: °C

Delivered By: (Circle One)

Observed Temp.: °C

Corrected Temp.: °C

Delivered By: (Circle One)

Observed Temp.: °C

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



APPENDIX D

NMOCD Approved *Work Plan* dated December 11, 2024



December 11, 2024

New Mexico Oil Conservation Division

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

**Re: Remediation Work Plan
Corral Canyon 16-9 State FED Com 121H
Incident Number nAPP2425666588 & nAPP2427451370
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared the following *Remediation Work Plan (Work Plan)* to document assessment and delineation activities completed to date and proposes remedial actions to address impacted soil identified at the Corral Canyon 16-9 State FED Com 121H (Site). The purpose of the Site assessment and delineation activities was to determine the presence or absence of impacted soil resulting from two produced water releases at the Site. The following *Work Plan* proposes to excavate impacted soil and conduct confirmation soil sampling.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit N, Section 16, Township 25 South, Range 29 East, in Eddy County, New Mexico (32.123183°, -103.9971386°) and is associated with oil and gas exploration and production operations on State Trust Land managed by the New Mexico State Land Office (SLO) under lease number V049020001 and Federal Land managed by the Bureau of Land Management (BLM).

On September 12, 2024, produced water piping valves were inadvertently left open resulting in the release of 680 barrels (bbls) of produced water into a temporary lined containment and onto the surface of the well pad. A vacuum truck was dispatched to the Site to recover free standing fluids, and approximately 660 bbls of released fluids were recovered. XTO immediately reported the release to the New Mexico Oil Conservation Division (NMOCD) and submitted an Initial C-141 Application (C-141) on September 13, 2024. The release was assigned Incident Number NAPP2425666588.

On September 30, 2024, a produced water flex line had a blowout which resulted in the release of 265 barrels (bbls) of produced water into a temporary lined containment and onto the surface of the well pad. Some of the released fluids sprayed beyond the containment walls. A vacuum truck was dispatched to the Site to recover free standing fluids, and approximately 260 bbls of released fluids were recovered. XTO immediately reported the release to the NMOCD and submitted a C-141 on October 1, 2024. The release was assigned Incident Number nAPP2427451370.

When the release location information was submitted onto the NMOCD portal immediately after the release occurred for Incident Number nAPP2427451370, it was mistakenly submitted approximately 1.7 miles northwest of the Site. The release location information provided above is correct and was verified with photos collected from the Site immediately after the release occurred.

XTO Energy, Inc.
Remediation Work Plan
Corral Canyon 16-9 State FED Com 121H

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to determine 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 greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is USGS well 320739103584201, located approximately 1.0 miles east of the Site. The groundwater well has a reported depth to groundwater of 140 feet bgs and a total depth of 192 feet bgs. The most recent depth to groundwater measurement was collected in January 1998. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a dry wash, located approximately 861 feet west of the Site. The Site is greater than 200 feet from any 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 (medium potential karst designation area). Potential 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

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 U.S. Fish and Wildlife Services Information for Planning and Consultation (IPaC) resources indicated there are no critical wildlife habitats at the Site. Threatened and endangered cactus 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.

XTO Energy, Inc.
Remediation Work Plan
Corral Canyon 16-9 State FED Com 121H

- The site is underlain by unstable geology (medium karst) as described above. No other environmentally sensitive receptors were located near the Site, as determined by the Site Characterization.
- The Natural Resources Conservation Service (NRCS) Web Soil Survey classifies the soil type at the Site as gravelly loam. The release occurred on the caliche surface of the well pad limiting contact with potentially sensitive native soil.

SITE ASSESSMENT AND DELINEATION ACTIVITIES

On October 11, 2024, Ensolum personnel conducted a Site assessment to evaluate the release extent based on information provided on the C-141, information provided by XTO, and visual observations. The release extent areas and lined containment were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. A 48-hour advance notice of the liner inspection was submitted, and the lined containment was inspected by Ensolum personnel. Results indicated the liner was not operating as designed. While the floor of the liner appeared to be intact and no holes were found, a small tear in the side of the liner was observed. Six delineation soil samples (SS01 through SS06) were collected at a depth of 0.5 feet bgs within of the release extent. 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. A photographic log of the Site assessment and liner inspection activities are included in Appendix B.

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

On November 14 and 15, 2024, Ensolum returned to the Site to oversee delineation activities. Eight potholes (PH01 through PH08) were advanced via heavy equipment to investigate the vertical extent of the releases. The potholes were advanced to depths ranging from 1 foot to 3 feet bgs. Discrete soil samples were collected from each pothole at depths ranging from 0.5 feet to 3 feet bgs. One borehole (BH01) was advanced adjacent to the tear in the sidewall of the liner utilizing a hand auger. Borehole BH01 was advanced to 1-foot bgs, where auger refusal was encountered. All delineation soil samples were field screened by the same methods as stated above. In order to fully define the lateral extent of the releases, ten additional delineation soil samples (SS07 through SS17) were collected just outside the release extents and the lined containment area at a depth of 0.5 feet bgs. Following the delineation activities, the tear in the sidewall and the tear caused by advancing BH01 were patched. Field screening results and observations for all potholes and BH01 were logged on lithologic/soil sampling logs, which are included as Appendix C. The soil sample locations were mapped utilizing a handheld GPS unit and the delineation soil sample locations are depicted on Figure 2. Photographic documentation was collected during all site visits and is presented in Appendix B.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples SS04 and PH08/PH08A indicated TPH concentrations exceeded Closure Criteria. Laboratory analytical results for SS03 through SS05, and BH01 indicated chloride concentrations exceeded Closure Criteria.

XTO Energy, Inc.
Remediation Work Plan
Corral Canyon 16-9 State FED Com 121H

Laboratory analytical results for all other delineation soil samples collected indicated all COC concentrations were below Closure Criteria. This includes the terminal depth of BH01 and all delineation potholes advanced except for PH08, near where the release occurred and refusal with backhoe was encountered. This also includes all lateral soil samples collected and thus, defines the release areas laterally. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical report is included in Appendix D.

PROPOSED REMEDIATION WORK PLAN

Site assessment and delineation activities were conducted at the Site to assess for the presence or absence of impacted soil resulting from the two produced water releases. Based on laboratory analytical results from delineation soil samples impacted soil exists across an approximate 2,020 square-foot area within the release extent at depths ranging from 0.5 feet bgs to an exceedance of 3 feet bgs. Due to backhoe refusal at 3 feet bgs in PH08, vertical definition was not achieved in that area but was achieved in all other potholes. The lateral extent of the release is defined through laboratory analytical results of soil samples SS07 through SS17.

XTO proposes to complete the following remediation activities:

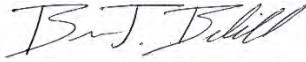
- Excavation of impacted soil in the areas of SS03 through SS05, PH08/PH08A, and BH01. Excavation will proceed laterally and vertically until confirmation soil samples confirm all COC concentrations are compliant with the Closure Criteria. Since utilization of a backhoe resulted in refusal, a trackhoe will be utilized. Based on delineation soil sample laboratory analytical, excavation depths is expected to range from 0.5 feet to an exceedance of 3 feet bgs. The proposed excavation extent is depicted on Figure 3. XTO is aware that BH01 collected within the temporary lined containment exceeds chloride concentrations for 0.5 feet bgs. Once the temporary lined containment is removed, the excavation will extend westward until the area of BH01 is included.
- In the release extent areas where delineation soil sample data is in compliance with the Closure Criteria, 5-point composite confirmation soil samples will be collected at least every 200 square feet on the surface of the facility pad, within the release extent. The 5-point composite samples will be collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. If laboratory analytical results indicate any of the confirmation soil samples exceed the closure criteria, further excavation of impacted soil will be conducted in the affected area.
- An estimated 230 cubic yards of impacted soil will be excavated in a 2,020 square foot area. The impacted soil will be transferred to a New Mexico approved landfill facility for disposal.
- The excavation will be backfilled and recontoured to match pre-existing Site conditions with caliche material purchased locally.

XTO believes this *Work Plan* is protective of human health, the environment, and groundwater. As such, XTO requests approval of this *Work Plan* by NMOCD. XTO will complete the excavation and soil sampling activities within 90 days of the date of approval of this *Work Plan* by the NMOCD.

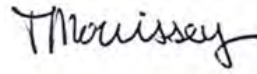
If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

XTO Energy, Inc.
Remediation Work Plan
Corral Canyon 16-9 State FED Com 121H

Sincerely,
Ensolum, LLC



Benjamin J. Belill
Senior Geologist



Tacoma Morrissey, MS
Associate Principal

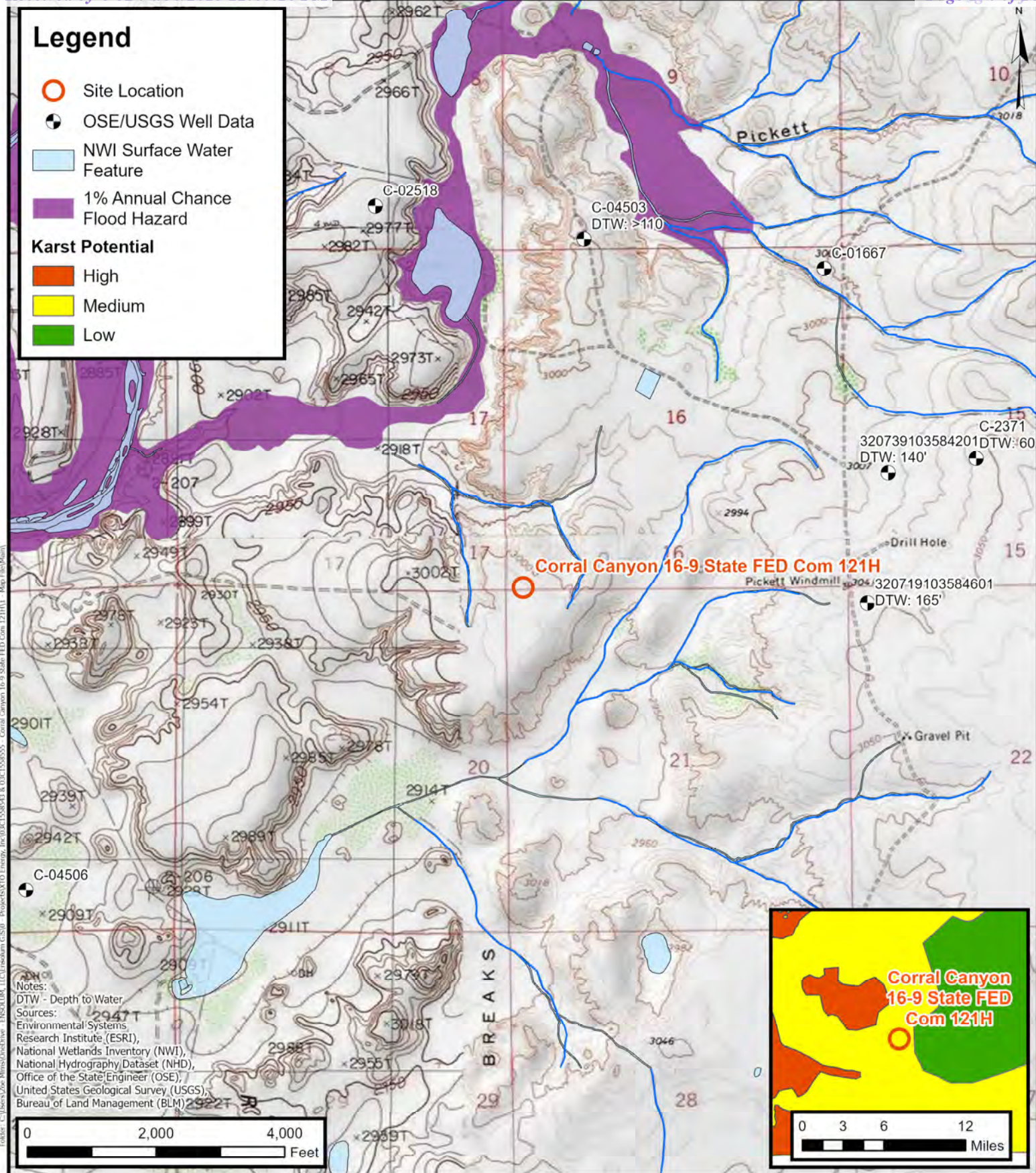
cc: Dale Woodall, XTO
Kaylan Dirkx, XTO
BLM

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Proposed Excavation Extent
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Photographic Log
Appendix C	Lithologic / Soil Sampling Logs
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation



FIGURES



Site Receptor Map

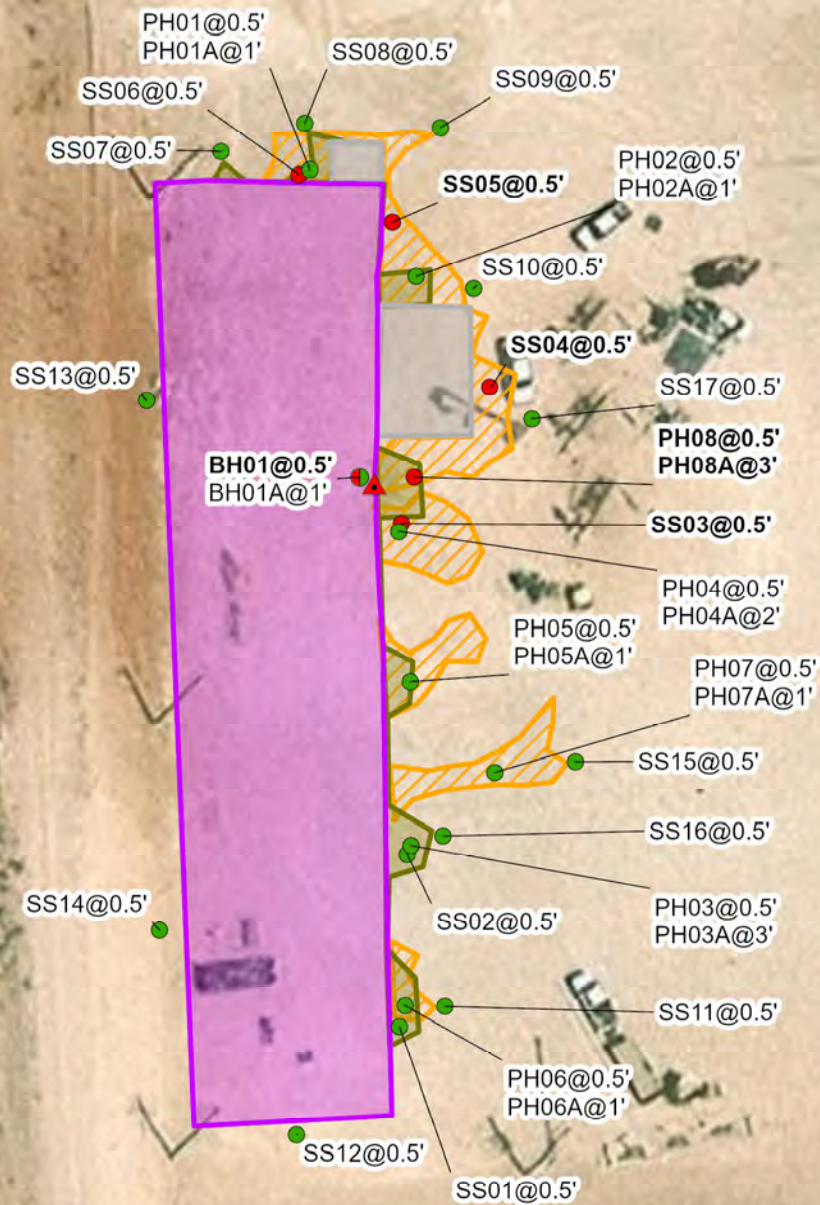
XTO Energy, Inc
Corral Canyon 16-9 State FED Com 121H
Incident Number: nAPP2425666588 & nAPP2427451370
Unit M, Sec 16, T25S, R29E
Eddy County, New Mexico

FIGURE

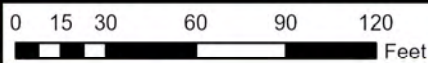
1

Legend

- ▲ Point of Release (POR)
- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Exceeding Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- nAPP2425666588 Release Extent Area
- nAPP2427451370 Release Extent Area
- Containment Area
- Production Equipment



Notes:
 Sample ID @ Depth Below Ground Surface.
 Samples in bold indicate sample exceeded applicable Closure Criteria.



Sources: Environmental Systems Research Institute (ESRI)

Delineation Soil Sample Locations

XTO Energy, Inc
 Corral Canyon 16-9 State FED Com 121H
 Incident Number: nAPP2425666588 & nAPP2427451370
 Unit M, Sec 16, T25S, R29E
 Eddy County, New Mexico

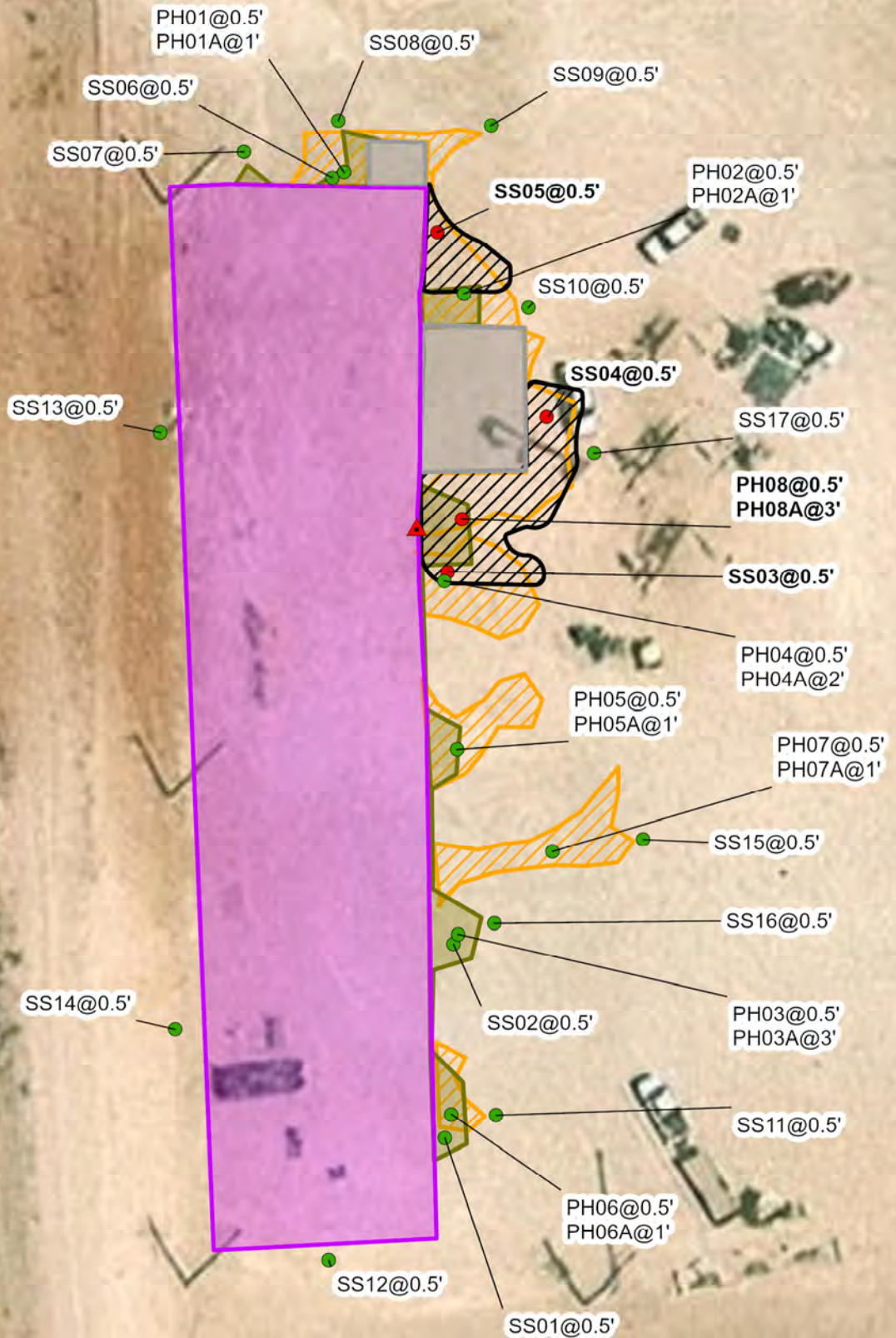
FIGURE

2



Legend

- ▲ Point of Release (POR)
- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Exceeding Closure Criteria
- nAPP2425666588 Release Extent Area
- nAPP2427451370 Release Extent Area
- Proposed Excavation Extent
- Containment Area
- Production Equipment



Notes:
 Sample ID @ Depth Below Ground Surface.
 Samples in bold indicate sample exceeded applicable Closure Criteria.

0 10 20 40 60 80
 Feet

Sources: Environmental Systems Research Institute (ESRI)

Proposed Excavation Area

XTO Energy, Inc
 Corral Canyon 16-9 State FED Com 121H
 Incident Number: nAPP2425666588 & nAPP2427451370
 Unit M, Sec 16, T25S, R29E
 Eddy County, New Mexico

FIGURE

3





TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Corral Canyon 16-9 State FED COM 121H / Incident Numbers nAPP2425666588 / nAPP2427451370
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										
SS01	10/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
SS02	10/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SS03	10/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,550
SS04	10/11/2024	0.5	<0.050	<0.300	64.1	13,200	110	13,300	13,400	1,420
SS05	10/11/2024	0.5	<0.050	<0.300	<10.0	19.5	<10.0	19.5	19.5	608
SS06	10/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SS07	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SS08	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS09	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SS10	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS11	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS12	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
SS13	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SS14	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
SS15	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
SS16	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SS17	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
BH01	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640
BH01A	11/15/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
PH01	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
PH01A	11/14/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
PH02	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
PH02A	11/14/2024	1	<0.050	<0.300	<10.0	14.3	<10.0	14.3	14.3	272
PH03	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
PH03A	11/15/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
PH04	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
PH04A	11/14/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
PH05	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
PH05A	11/14/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
PH06	11/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
PH06A	11/14/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Corral Canyon 16-9 State FED COM 121H / Incident Numbers nAPP2425666588 / nAPP2427451370
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
PH07	11/15/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
PH07A	11/15/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
PH08	11/14/2024	0.5	<0.050	<0.300	<10.0	1,430	<10.0	1,430	1,430	576
PH08A	11/14/2024	3	<0.050	<0.300	10.6	976	<10.0	987	987	544

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



APPENDIX A

Referenced Well Records



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hideNews Bulletins

- Explore the NEW [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- How are we doing? We want to hear from you. Take our quick [survey](#) to tell us what you think.

Groundwater levels for the Nation

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320739103584201

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 320739103584201 25S.29E.15.31134

Eddy County, New Mexico
Latitude 32°07'39", Longitude 103°58'42" NAD27
Land-surface elevation 3,017 feet above NAVD88
The depth of the well is 192 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measure
1983-02-01			D 62610		2875.02	NGVD29	1	Z		
1983-02-01			D 62611		2876.60	NAVD88	1	Z		
1983-02-01			D 72019	140.40			1	Z		
1987-10-20			D 62610		2875.09	NGVD29	1	Z		
1987-10-20			D 62611		2876.67	NAVD88	1	Z		
1987-10-20			D 72019	140.33			1	Z		
1992-11-06			D 62610		2874.61	NGVD29	1	S		
1992-11-06			D 62611		2876.19	NAVD88	1	S		
1992-11-06			D 72019	140.81			1	S		
1998-01-29			D 62610		2874.52	NGVD29	1	S		
1998-01-29			D 62611		2876.10	NAVD88	1	S		
1998-01-29			D 72019	140.90			1	S		

Explanation		
Section	Code	Description

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions or Comments](#)
[Help](#)
[Data Tips](#)
[Explanation of terms](#)
[Subscribe for system changes](#)

[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)
[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for USA: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)
Page Last Modified: 2024-10-17 17:32:38 EDT
0.34 0.25 nadww01



APPENDIX B

Photographic Log



Photographic Log

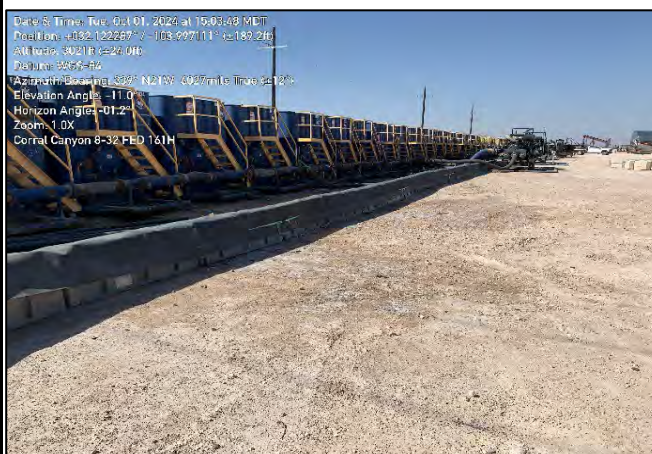
XTO Energy, Inc.

Corral Canyon 16-9 State FED COM 121H

Incident Numbers nAPP2425666588 & nAPP2427451370



Photograph: 1 Date: 9/13/2024
Description: Site assessment, release extent area.
View: South



Photograph: 2 Date: 10/1/2024
Description: Site assessment, release extent area.
View: Northwest



Photograph: 3 Date: 10/11/2024
Description: Liner inspection activities, facility sign.
View: Northeast



Photograph: 4 Date: 10/11/2024
Description: Liner inspection activities.
View: Northwest



Photographic Log

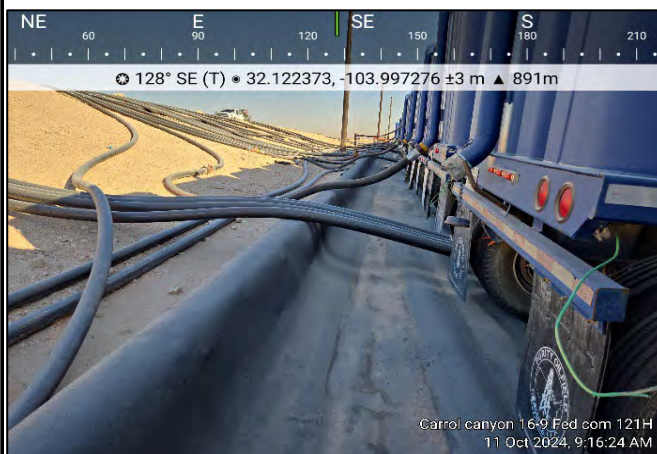
XTO Energy, Inc.

Corral Canyon 16-9 State FED COM 121H

Incident Numbers nAPP2425666588 & nAPP2427451370



Photograph: 5 Date: 10/11/2024
Description: Liner tear on sidewall of containment
View: West



Photograph: 6 Date: 10/11/2024
Description: Liner inspection activities.
View: Southeast



Photograph: 7 Date: 10/11/2024
Description: Liner inspection activities.
View: South



Photograph: 8 Date: 10/11/2024
Description: Liner inspection activities.
View: East



Photographic Log

XTO Energy, Inc.

Corral Canyon 16-9 State FED COM 121H

Incident Numbers nAPP2425666588 & nAPP2427451370



Photograph: 9 Date: 11/14/2024
Description: Delineation activities, near release point.
View: Northwest



Photograph: 10 Date: 11/14/2024
Description: Delineation activities, PH08.
View: South



Photograph: 11 Date: 11/15/2024
Description: Liner delineation activities, BH01.
View: South





Photograph: 12 Date: 11/20/2024
Description: BH01 patched.
View: N/A





APPENDIX C


Lithologic Soil Sampling Logs


 ENSOLUM		Sample Name: PH01		Date: 11/14/2024				
		Site Name: Corral Canyon 16-9 State FED COM 121H						
		Incident Number: nAPP2425666588 / Napp2427451370						
		Job Number: 03C1558543 / 03C1558555						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.123129, -103.997177				Logged By: JB				
				Method: Backhoe				
				Hole Diameter: 16"				
				Total Depth: 1'				
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. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	168	0.6	Y	PH01	0.5	0	CCHE	0-1', CALICHE, tan, moist, very sandy, moderately consolidated, some light brown staining, no odor, fill.
M	201	1.4	N	PH01A	1	1		@ 0.5', no stain.
						2	TD	Total depth @ 1' bgs, refusal.
						3		
						4		
						5		
						6		
						7		
						8		
						9		
						10		
						11		
						12		


 ENSOLUM		Sample Name: PH02		Date: 11/14/2024				
		Site Name: Corral Canyon 16-9 State FED COM 121H						
		Incident Number: nAPP2425666588 / Napp2427451370						
		Job Number: 03C1558543 / 03C1558555						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.123027, -103.997068			Logged By: JB		Method: Backhoe			
			Hole Diameter: 16"		Total Depth: 1'			
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. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	369	0.7	Y	PH02	0.5	0	CCHE	0-1', CALICHE, tan, moist, very sandy, moderately consolidated, some light brown staining, no odor, fill.
M	470	0.6	N	PH02A	1	1		@ 0.5', no stain.
						2	TD	Total depth @ 1' bgs, refusal.
						3		
						4		
						5		
						6		
						7		
						8		
						9		
						10		
						11		
						12		


		Sample Name: PH03		Date: 11/15/2024				
		Site Name: Corral Canyon 16-9 State FED COM 121H						
		Incident Number: nAPP2425666588 / Napp2427451370						
		Job Number: 03C1558543 / 03C1558555						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.122508, -103.997074				Logged By: JB				
				Method: Backhoe				
				Hole Diameter: 16"				
				Total Depth: 3'				
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. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	733	1.1	Y	PH03	0.5	0	CCHE	0-1', CALICHE, tan, moist, very sandy, moderately consolidated, some light brown staining, no odor, fill. @ 0.5', no stain.
M	667	1.9	N		1	1	CCHE	1'-3', CALICHE, pale light red, moist, very silty, well consolidated, no stain, no odor.
M	667	2.5	N		2	2		
M	201	0.7	N	PH03A	3	3		
							TD	Total depth @ 3' bgs.
						4		
						5		
						6		
						7		
						8		
						9		
						10		
						11		
						12		


 ENSOLUM		Sample Name: PH04		Date: 11/14/2024				
		Site Name: Corral Canyon 16-9 State FED COM 121H						
		Incident Number: nAPP2425666588 / Napp2427451370						
		Job Number: 03C1558543 / 03C1558555						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.122795, -103.997083				Logged By: JB				
				Method: Backhoe				
				Hole Diameter: 16"				
				Total Depth: 2'				
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. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	252	2.0	Y	PH04	0.5	0	CCHE	0-1', CALICHE, tan, moist, very sandy, moderately consolidated, some light brown staining, no odor, fill. @ 0.5', no stain.
M	252	2.8	N		1	1	CCHE	1'-2', CALICHE, pale light red, moist, very silty, well consolidated, no stain, no odor.
M	420	1.4	N	PH04A	2	2	TD	Total depth @ 2' bgs.
						3		
						4		
						5		
						6		
						7		
						8		
						9		
						10		
						11		
						12		

								Sample Name: PH05		Date: 11/14/2024	
								Site Name: Corral Canyon 16-9 State FED COM 121H			
								Incident Number: nAPP2425666588 / Napp2427451370			
								Job Number: 03C1558543 / 03C1558555			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: JB		Method: Backhoe	
Coordinates: 32.122657, -103.997078								Hole Diameter: 16"		Total Depth: 1'	
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. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M	330	1.0	Y	PH05	0.5	0	CCHE	0-1', CALICHE, tan, moist, very sandy, moderately consolidated, some light brown staining, no odor, fill. @ 0.5', no stain.			
M	330	1.1	N	PH05A	1	1	TD	Total depth @ 1' bgs.			
						2					
						3					
						4					
						5					
						6					
						7					
						8					
						9					
						10					
						11					
						12					

 ENSOLUM		Sample Name: PH06		Date: 11/14/2024				
		Site Name: Corral Canyon 16-9 State FED COM 121H						
		Incident Number: nAPP2425666588 / Napp2427451370						
		Job Number: 03C1558543 / 03C1558555						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.122362, -103.997085				Logged By: JB				
				Method: Backhoe				
				Hole Diameter: 16"				
				Total Depth: 1'				
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. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	526	1.5	Y	PH06	0.5	0	CCHE	0-1', CALICHE, tan, moist, very sandy, moderately consolidated, some light brown staining, no odor, fill.
M	252	1.2	N	PH06A	1	1		@ 0.5', no stain.
						2	TD	Total depth @ 1' bgs.
						3		
						4		
						5		
						6		
						7		
						8		
						9		
						10		
						11		
						12		

								Sample Name: PH07		Date: 11/15/2024	
								Site Name: Corral Canyon 16-9 State FED COM 121H			
								Incident Number: nAPP2425666588 / Napp2427451370			
								Job Number: 03C1558543 / 03C1558555			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: JB		Method: Backhoe	
Coordinates: 32.122572, -103.996984								Hole Diameter: 16"		Total Depth: 1'	
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. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M	179	0.7	Y	PH07	0.5	0	CCHE	0-1', CALICHE, tan, moist, very sandy, moderately consolidated, some light brown staining, no odor, fill. @ 0.5', no stain.			
M	179	0.9	N	PH07A	1	1	TD	Total depth @ 1' bgs.			
						2					
						3					
						4					
						5					
						6					
						7					
						8					
						9					
						10					
						11					
						12					

								Sample Name: PH08		Date: 11/14/2024	
								Site Name: Corral Canyon 16-9 State FED COM 121H			
								Incident Number: nAPP2425666588 / Napp2427451370			
								Job Number: 03C1558543 / 03C1558555			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: JB		Method: Backhoe	
Coordinates: 32.122844, -103.997068								Hole Diameter: 16"		Total Depth: 3'	
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. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M	955	49.2	Y	PH08	0.5	0	CCHE	0-1', CALICHE, tan, moist, very sandy, moderately consolidated, some light brown staining, no odor, fill. @ 0.5', no stain.			
M	778	57.0	N		1	1	CCHE	1'-3', CALICHE, pale light red, moist, very silty, well consolidated, no stain, no odor.			
M	528	39.8	N		2	2					
M	935	55.0	N	PH08A	3	3					
							TD	Total depth @ 3' bgs, refusal.			
						4					
						5					
						6					
						7					
						8					
						9					
						10					
						11					
						12					

 ENSOLUM		Sample Name: BH01		Date: 11/15/2024				
		Site Name: Corral Canyon 16-9 State FED COM 121H						
		Incident Number: nAPP2425666588 / Napp2427451370						
		Job Number: 03C1558543 / 03C1558555						
LITHOLOGIC / SOIL SAMPLING LOG				Logged By: JB		Method: Hand auger		
Coordinates: 32.122843, -103.997129				Hole Diameter: 16"		Total Depth: 1'		
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. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	711	0.8	N	BH01	0.5	0	CCHE	0-1', CALICHE, tan, moist, very sandy, moderately consolidated, no stain, no odor.
M	330	0.7	N	BH01A	1	1	TD	Total depth @ 1' bgs.
						2		
						3		
						4		
						5		
						6		
						7		
						8		
						9		
						10		
						11		
						12		



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



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

October 16, 2024

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CORRAL CANYON 16-9 STATE FED COM 121H

Enclosed are the results of analyses for samples received by the laboratory on 10/14/24 11:38.

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 with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	10/14/2024	Sampling Date:	10/11/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CORRAL CANYON 16-9 STATE FED COM	Sampling Condition:	Cool & Intact
Project Number:	03C1558543	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.123183-103.9971386		

Sample ID: SS 01 .5' (H246234-01)

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	10/15/2024	ND	2.03	102	2.00	2.65	
Toluene*	<0.050	0.050	10/15/2024	ND	2.04	102	2.00	1.89	
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.12	106	2.00	1.94	
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.35	106	6.00	1.59	
Total BTEX	<0.300	0.300	10/15/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/15/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	232	116	200	5.95	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	221	110	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 10/14/2024
Reported: 10/16/2024
Project Name: CORRAL CANYON 16-9 STATE FED COM
Project Number: 03C1558543
Project Location: XTO 32.123183-103.9971386

Sampling Date: 10/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 02 .5' (H246234-02)

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	10/15/2024	ND	2.03	102	2.00	2.65		
Toluene*	<0.050	0.050	10/15/2024	ND	2.04	102	2.00	1.89		
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.12	106	2.00	1.94		
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.35	106	6.00	1.59		
Total BTEx	<0.300	0.300	10/15/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	10/15/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	232	116	200	5.95	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	221	110	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 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
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	10/14/2024	Sampling Date:	10/11/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CORRAL CANYON 16-9 STATE FED COM	Sampling Condition:	Cool & Intact
Project Number:	03C1558543	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.123183-103.9971386		

Sample ID: SS 03 .5' (H246234-03)

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	10/15/2024	ND	2.03	102	2.00	2.65		
Toluene*	<0.050	0.050	10/15/2024	ND	2.04	102	2.00	1.89		
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.12	106	2.00	1.94		
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.35	106	6.00	1.59		
Total BTEx	<0.300	0.300	10/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1550	16.0	10/15/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2024	ND	205	102	200	7.50	
DRO >C10-C28*	<10.0	10.0	10/14/2024	ND	200	100	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	10/14/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	10/14/2024	Sampling Date:	10/11/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CORRAL CANYON 16-9 STATE FED COM	Sampling Condition:	Cool & Intact
Project Number:	03C1558543	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.123183-103.9971386		

Sample ID: SS 04 .5' (H246234-04)

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	10/15/2024	ND	2.03	102	2.00	2.65		
Toluene*	<0.050	0.050	10/15/2024	ND	2.04	102	2.00	1.89		
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.12	106	2.00	1.94		
Total Xylenes*	0.284	0.150	10/15/2024	ND	6.35	106	6.00	1.59		
Total BTEX	<0.300	0.300	10/15/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1420	16.0	10/15/2024	ND	416	104	400	7.41		

TPH 8015M	mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	64.1	50.0	10/15/2024	ND	205	102	200	7.50	
DRO >C10-C28*	13200	50.0	10/15/2024	ND	200	100	200	8.72	
EXT DRO >C28-C36	110	50.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 136 % 48.2-134

Surrogate: 1-Chlorooctadecane 393 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	10/14/2024	Sampling Date:	10/11/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CORRAL CANYON 16-9 STATE FED COM	Sampling Condition:	Cool & Intact
Project Number:	03C1558543	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.123183-103.9971386		

Sample ID: SS 05 .5' (H246234-05)

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	10/15/2024	ND	2.03	102	2.00	2.65		
Toluene*	<0.050	0.050	10/15/2024	ND	2.04	102	2.00	1.89		
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.12	106	2.00	1.94		
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.35	106	6.00	1.59		
Total BTEX	<0.300	0.300	10/15/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	10/15/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/14/2024	ND	205	102	200	7.50		
DRO >C10-C28*	19.5	10.0	10/14/2024	ND	200	100	200	8.72		
EXT DRO >C28-C36	<10.0	10.0	10/14/2024	ND						

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 10/14/2024
Reported: 10/16/2024
Project Name: CORRAL CANYON 16-9 STATE FED COM
Project Number: 03C1558543
Project Location: XTO 32.123183-103.9971386

Sampling Date: 10/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 06 .5' (H246234-06)

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	10/15/2024	ND	2.03	102	2.00	2.65		
Toluene*	<0.050	0.050	10/15/2024	ND	2.04	102	2.00	1.89		
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.12	106	2.00	1.94		
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.35	106	6.00	1.59		
Total BTEx	<0.300	0.300	10/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	10/15/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2024	ND	205	102	200	7.50	
DRO >C10-C28*	<10.0	10.0	10/14/2024	ND	200	100	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	10/14/2024	ND					

Surrogate: 1-Chlorooctane 95.1 % 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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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:

Ensolium, LLC

Project Manager: Ben Beill

Address: 3122 National Parks Hwy

City: Carlsbad

Phone #: 989-854-0852

Project #: 03C1558543

Project Name: Corral Canyon 16-9 State FED Com 121H

Project Location: 32.123183, -103.9971386

Sampler Name: Jesse Dorman

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: XTO Energy Inc.

Attn: Colton Brown

Address: 3104 E. Green St.

City: Carlsbad

State: NM Zip: 88220

Phone #:

Fax #:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

Sample Depth
(feet)

(G)RAB OR (C)OMP.

CONTAINERS

MATRIX
GROUNDWATER
WASTEWATER
SOIL
OIL
SLUDGE
OTHER :

PRESERV
ACID/BASE
ICE / COOL
OTHER :

SAMPLING

BTEX

TPH

CHLORIDE

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

November 20, 2024

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CORRAL CANYON 16-9 STATE FED COM 121H

Enclosed are the results of analyses for samples received by the laboratory on 11/18/24 12:25.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	11/18/2024	Sampling Date:	11/14/2024
Reported:	11/20/2024	Sampling Type:	Soil
Project Name:	CORRAL CANYON 16-9 STATE FED COM	Sampling Condition:	Cool & Intact
Project Number:	03C1558543	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.122774-103.997254		

Sample ID: PH 01 0.5 (H247012-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2024	ND	2.24	112	2.00	0.647		
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10		
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14		
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98		
Total BTX	<0.300	0.300	11/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	11/19/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	209	104	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	211	105	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					

Surrogate: 1-Chlorooctane 83.3 % 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:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/18/2024
Reported: 11/20/2024
Project Name: CORRAL CANYON 16-9 STATE FED COM
Project Number: 03C1558543
Project Location: XTO 32.122774-103.997254

Sampling Date: 11/14/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: PH 02 0.5 (H247012-02)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2024	ND	2.24	112	2.00	0.647	
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98	
Total BTX	<0.300	0.300	11/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 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	336	16.0	11/19/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	209	104	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	211	105	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 11/18/2024
 Reported: 11/20/2024
 Project Name: CORRAL CANYON 16-9 STATE FED COM
 Project Number: 03C1558543
 Project Location: XTO 32.122774-103.997254

Sampling Date: 11/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: PH 04 0.5 (H247012-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2024	ND	2.24	112	2.00	0.647		
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10		
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14		
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98		
Total BTX	<0.300	0.300	11/18/2024	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	240	16.0	11/19/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	209	104	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	211	105	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/18/2024
Reported: 11/20/2024
Project Name: CORRAL CANYON 16-9 STATE FED COM
Project Number: 03C1558543
Project Location: XTO 32.122774-103.997254

Sampling Date: 11/15/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: PH 07 0.5 (H247012-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2024	ND	2.24	112	2.00	0.647		
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10		
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14		
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98		
Total BTX	<0.300	0.300	11/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 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	144	16.0	11/19/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	209	104	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	211	105	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/18/2024
Reported: 11/20/2024
Project Name: CORRAL CANYON 16-9 STATE FED COM
Project Number: 03C1558543
Project Location: XTO 32.122774-103.997254

Sampling Date: 11/15/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: BH 01 0.5 (H247012-05)

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	11/18/2024	ND	2.24	112	2.00	0.647		
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10		
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14		
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98		
Total BTEX	<0.300	0.300	11/18/2024	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	640	16.0	11/19/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	209	104	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	211	105	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/18/2024
Reported: 11/20/2024
Project Name: CORRAL CANYON 16-9 STATE FED COM
Project Number: 03C1558543
Project Location: XTO 32.122774-103.997254

Sampling Date: 11/14/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: PH 01A 1 (H247012-06)

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	11/18/2024	ND	2.24	112	2.00	0.647		
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10		
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14		
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98		
Total BTEx	<0.300	0.300	11/18/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	11/19/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	209	104	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	211	105	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/18/2024
Reported: 11/20/2024
Project Name: CORRAL CANYON 16-9 STATE FED COM
Project Number: 03C1558543
Project Location: XTO 32.122774-103.997254

Sampling Date: 11/14/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: PH 02A 1 (H247012-07)

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	11/18/2024	ND	2.24	112	2.00	0.647	
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98	
Total BTEx	<0.300	0.300	11/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	11/19/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2024	ND	209	104	200	2.28	
DRO >C10-C28*	14.3	10.0	11/18/2024	ND	211	105	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.6 % 49.1-148

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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/18/2024
Reported: 11/20/2024
Project Name: CORRAL CANYON 16-9 STATE FED COM
Project Number: 03C1558543
Project Location: XTO 32.122774-103.997254

Sampling Date: 11/14/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: PH 04A 2 (H247012-08)

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	11/18/2024	ND	2.24	112	2.00	0.647		
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10		
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14		
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98		
Total BTEx	<0.300	0.300	11/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	368	16.0	11/19/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2024	ND	209	104	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/19/2024	ND	211	105	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	11/19/2024	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	11/18/2024	Sampling Date:	11/15/2024
Reported:	11/20/2024	Sampling Type:	Soil
Project Name:	CORRAL CANYON 16-9 STATE FED COM	Sampling Condition:	Cool & Intact
Project Number:	03C1558543	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.122774-103.997254		

Sample ID: PH 07A 1 (H247012-09)

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	11/18/2024	ND	2.24	112	2.00	0.647		
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10		
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14		
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98		
Total BTEX	<0.300	0.300	11/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 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	112	16.0	11/19/2024	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	11/19/2024	ND	209	104	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/19/2024	ND	211	105	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	11/19/2024	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/18/2024
Reported: 11/20/2024
Project Name: CORRAL CANYON 16-9 STATE FED COM
Project Number: 03C1558543
Project Location: XTO 32.122774-103.997254

Sampling Date: 11/15/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: BH 01A 1 (H247012-10)

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	11/18/2024	ND	2.24	112	2.00	0.647		
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10		
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14		
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98		
Total BTEx	<0.300	0.300	11/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	320	16.0	11/19/2024	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	11/19/2024	ND	209	104	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/19/2024	ND	211	105	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	11/19/2024	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/18/2024
Reported: 11/20/2024
Project Name: CORRAL CANYON 16-9 STATE FED COM
Project Number: 03C1558543
Project Location: XTO 32.122774-103.997254

Sampling Date: 11/14/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS08 0.5 (H247012-11)

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	11/18/2024	ND	2.24	112	2.00	0.647		
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10		
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14		
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98		
Total BTEx	<0.300	0.300	11/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 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	128	16.0	11/19/2024	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	11/19/2024	ND	209	104	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/19/2024	ND	211	105	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	11/19/2024	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/18/2024
Reported: 11/20/2024
Project Name: CORRAL CANYON 16-9 STATE FED COM
Project Number: 03C1558543
Project Location: XTO 32.122774-103.997254

Sampling Date: 11/14/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 09 0.5 (H247012-12)

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	11/18/2024	ND	2.24	112	2.00	0.647	
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98	
Total BTEX	<0.300	0.300	11/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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	240	16.0	11/19/2024	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	11/19/2024	ND	209	104	200	2.28	
DRO >C10-C28*	<10.0	10.0	11/19/2024	ND	211	105	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	11/19/2024	ND					

Surrogate: 1-Chlorooctane 78.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.3 % 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
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/18/2024
Reported: 11/20/2024
Project Name: CORRAL CANYON 16-9 STATE FED COM
Project Number: 03C1558543
Project Location: XTO 32.122774-103.997254

Sampling Date: 11/14/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 10 0.5 (H247012-13)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2024	ND	2.24	112	2.00	0.647	
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98	
Total BTX	<0.300	0.300	11/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	128	16.0	11/19/2024	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	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 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
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/18/2024
Reported: 11/20/2024
Project Name: CORRAL CANYON 16-9 STATE FED COM
Project Number: 03C1558543
Project Location: XTO 32.122774-103.997254

Sampling Date: 11/15/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 15 0.5 (H247012-14)

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	11/18/2024	ND	2.24	112	2.00	0.647		
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10		
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14		
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98		
Total BTEX	<0.300	0.300	11/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 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	96.0	16.0	11/19/2024	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	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 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
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	11/18/2024	Sampling Date:	11/15/2024
Reported:	11/20/2024	Sampling Type:	Soil
Project Name:	CORRAL CANYON 16-9 STATE FED COM	Sampling Condition:	Cool & Intact
Project Number:	03C1558543	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.122774-103.997254		

Sample ID: SS 17 0.5 (H247012-15)

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	11/18/2024	ND	2.24	112	2.00	0.647		
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10		
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14		
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98		
Total BTEX	<0.300	0.300	11/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	224	16.0	11/19/2024	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	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

S-05	The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

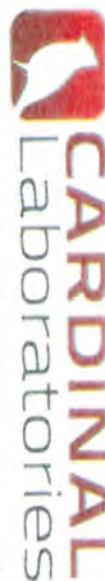
Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 18 of 19

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



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

22

Page 19 of 19



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

November 20, 2024

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CORRAL CANYON 16-9 FED COM 121H

Enclosed are the results of analyses for samples received by the laboratory on 11/18/24 12:25.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 11/18/2024
 Reported: 11/20/2024
 Project Name: CORRAL CANYON 16-9 FED COM 121H
 Project Number: 03C1558555
 Project Location: XTO 32.122850, -103.997193

Sampling Date: 11/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: PH 08 0.5 (H247013-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2024	ND	2.24	112	2.00	0.647		
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10		
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14		
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98		
Total BTX	<0.300	0.300	11/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	576	16.0	11/19/2024	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	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	1430	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					

Surrogate: 1-Chlorooctane 75.8 % 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
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/18/2024
Reported: 11/20/2024
Project Name: CORRAL CANYON 16-9 FED COM 121H
Project Number: 03C1558555
Project Location: XTO 32.122850, -103.997193

Sampling Date: 11/14/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: PH 08A 3 (H247013-02)

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	11/18/2024	ND	2.24	112	2.00	0.647		
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10		
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14		
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98		
Total BTEx	<0.300	0.300	11/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	544	16.0	11/19/2024	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*	10.6	10.0	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	976	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					

Surrogate: 1-Chlorooctane 105 % 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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Notes and Definitions

S-05	The surrogate recovery is outside of lab established statistical control 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

Cardinal Laboratories

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

Celey D. Keene, Lab Director/Quality Manager



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC		P.O. #:	
Project Manager: Ben Belli		Company: XTO Energy Inc	
Address: 3122 National Parks Hwy		Attn: Colton Brown	
City: Carlsbad	State: NM Zip: 88220	Address: 3104 E Green St	
Phone #: 949 454 6852	Fax #:	City: Carlsbad	
Project #: 0301558555	Project Owner: XTO	State: NM Zip: 88220	
Project Name: Corral Canyon 16-9	Fed Case 1214	Phone #:	
Project Location: 32.122850 -103.997193		Fax #:	
Sampler Name: Joshua Boxley			

FOR LAB USE ONLY		Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING		Chlorides	TPH	BTEX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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Relinquished By:	Date: 11-15-24	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Time: 1:25	Received By:	All Results are emailed. Please provide Email address: @ensolum.com, TMorrissey@ensolum.com, KThomason@ensolum.com
Delivered By: (Circle One)	Observed Temp.: °C 20.0	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: 15896411601
Sampler - UPS - Bus - Other:	Corrected Temp.: °C 20.2	Checked By: (Initials) AP	Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No

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



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

November 20, 2024

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CORRAL CANYON 16-9 FED COM 121H

Enclosed are the results of analyses for samples received by the laboratory on 11/18/24 12:25.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/18/2024
Reported: 11/20/2024
Project Name: CORRAL CANYON 16-9 FED COM 121H
Project Number: 03C1558555
Project Location: XTO 32.122850, -103.997193

Sampling Date: 11/14/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: PH 05 0.5 (H247014-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2024	ND	2.24	112	2.00	0.647	
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14	
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98	
Total BTX	<0.300	0.300	11/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	256	16.0	11/19/2024	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	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/18/2024
Reported: 11/20/2024
Project Name: CORRAL CANYON 16-9 FED COM 121H
Project Number: 03C1558555
Project Location: XTO 32.122850, -103.997193

Sampling Date: 11/14/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: PH 05A 1 (H247014-02)

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	11/18/2024	ND	2.24	112	2.00	0.647		
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10		
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14		
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98		
Total BTEx	<0.300	0.300	11/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 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	256	16.0	11/19/2024	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	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/18/2024
Reported: 11/20/2024
Project Name: CORRAL CANYON 16-9 FED COM 121H
Project Number: 03C1558555
Project Location: XTO 32.122850, -103.997193

Sampling Date: 11/14/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: PH 06 0.5 (H247014-03)

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	11/18/2024	ND	2.24	112	2.00	0.647		
Toluene*	<0.050	0.050	11/18/2024	ND	2.13	107	2.00	1.10		
Ethylbenzene*	<0.050	0.050	11/18/2024	ND	2.11	106	2.00	2.14		
Total Xylenes*	<0.150	0.150	11/18/2024	ND	6.29	105	6.00	1.98		
Total BTEX	<0.300	0.300	11/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 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	400	16.0	11/19/2024	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	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/18/2024
Reported: 11/20/2024
Project Name: CORRAL CANYON 16-9 FED COM 121H
Project Number: 03C1558555
Project Location: XTO 32.122850, -103.997193

Sampling Date: 11/14/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: PH 06A 1 (H247014-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/19/2024	ND	2.11	106	2.00	8.93		
Toluene*	<0.050	0.050	11/19/2024	ND	2.20	110	2.00	8.05		
Ethylbenzene*	<0.050	0.050	11/19/2024	ND	2.15	107	2.00	7.31		
Total Xylenes*	<0.150	0.150	11/19/2024	ND	6.89	115	6.00	6.22		
Total BTX	<0.300	0.300	11/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	112	16.0	11/19/2024	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	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/18/2024
Reported: 11/20/2024
Project Name: CORRAL CANYON 16-9 FED COM 121H
Project Number: 03C1558555
Project Location: XTO 32.122850, -103.997193

Sampling Date: 11/14/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 07 0.5 (H247014-05)

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	11/19/2024	ND	2.11	106	2.00	8.93		
Toluene*	<0.050	0.050	11/19/2024	ND	2.20	110	2.00	8.05		
Ethylbenzene*	<0.050	0.050	11/19/2024	ND	2.15	107	2.00	7.31		
Total Xylenes*	<0.150	0.150	11/19/2024	ND	6.89	115	6.00	6.22		
Total BTEX	<0.300	0.300	11/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	144	16.0	11/19/2024	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	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					

Surrogate: 1-Chlorooctane 97.0 % 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
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/18/2024
Reported: 11/20/2024
Project Name: CORRAL CANYON 16-9 FED COM 121H
Project Number: 03C1558555
Project Location: XTO 32.122850, -103.997193

Sampling Date: 11/14/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 11 0.5 (H247014-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/19/2024	ND	2.11	106	2.00	8.93		
Toluene*	<0.050	0.050	11/19/2024	ND	2.20	110	2.00	8.05		
Ethylbenzene*	<0.050	0.050	11/19/2024	ND	2.15	107	2.00	7.31		
Total Xylenes*	<0.150	0.150	11/19/2024	ND	6.89	115	6.00	6.22		
Total BTX	<0.300	0.300	11/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	128	16.0	11/19/2024	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	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/18/2024
Reported: 11/20/2024
Project Name: CORRAL CANYON 16-9 FED COM 121H
Project Number: 03C1558555
Project Location: XTO 32.122850, -103.997193

Sampling Date: 11/15/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 12 0.5 (H247014-07)

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	11/19/2024	ND	2.11	106	2.00	8.93		
Toluene*	<0.050	0.050	11/19/2024	ND	2.20	110	2.00	8.05		
Ethylbenzene*	<0.050	0.050	11/19/2024	ND	2.15	107	2.00	7.31		
Total Xylenes*	<0.150	0.150	11/19/2024	ND	6.89	115	6.00	6.22		
Total BTEX	<0.300	0.300	11/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	272	16.0	11/19/2024	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	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.4 % 49.1-148

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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/18/2024
Reported: 11/20/2024
Project Name: CORRAL CANYON 16-9 FED COM 121H
Project Number: 03C1558555
Project Location: XTO 32.122850, -103.997193

Sampling Date: 11/15/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 13 0.5 (H247014-08)

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	11/19/2024	ND	2.11	106	2.00	8.93		
Toluene*	<0.050	0.050	11/19/2024	ND	2.20	110	2.00	8.05		
Ethylbenzene*	<0.050	0.050	11/19/2024	ND	2.15	107	2.00	7.31		
Total Xylenes*	<0.150	0.150	11/19/2024	ND	6.89	115	6.00	6.22		
Total BTEX	<0.300	0.300	11/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	11/19/2024	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	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.0 % 49.1-148

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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/18/2024
Reported: 11/20/2024
Project Name: CORRAL CANYON 16-9 FED COM 121H
Project Number: 03C1558555
Project Location: XTO 32.122850, -103.997193

Sampling Date: 11/15/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 14 0.5 (H247014-09)

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	11/19/2024	ND	2.11	106	2.00	8.93		
Toluene*	<0.050	0.050	11/19/2024	ND	2.20	110	2.00	8.05		
Ethylbenzene*	<0.050	0.050	11/19/2024	ND	2.15	107	2.00	7.31		
Total Xylenes*	<0.150	0.150	11/19/2024	ND	6.89	115	6.00	6.22		
Total BTEx	<0.300	0.300	11/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	80.0	16.0	11/19/2024	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	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	11/18/2024	Sampling Date:	11/15/2024
Reported:	11/20/2024	Sampling Type:	Soil
Project Name:	CORRAL CANYON 16-9 FED COM 121H	Sampling Condition:	Cool & Intact
Project Number:	03C1558555	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.122850, -103.997193		

Sample ID: SS 16 0.5 (H247014-10)

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	11/19/2024	ND	2.11	106	2.00	8.93		
Toluene*	<0.050	0.050	11/19/2024	ND	2.20	110	2.00	8.05		
Ethylbenzene*	<0.050	0.050	11/19/2024	ND	2.15	107	2.00	7.31		
Total Xylenes*	<0.150	0.150	11/19/2024	ND	6.89	115	6.00	6.22		
Total BTEX	<0.300	0.300	11/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	160	16.0	11/19/2024	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	11/18/2024	ND	196	98.1	200	3.91		
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10		
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND						

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.2 % 49.1-148

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Analytical Results For:

ENSOLUM
 BEN BELILL
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 11/18/2024
 Reported: 11/20/2024
 Project Name: CORRAL CANYON 16-9 FED COM 121H
 Project Number: 03C1558555
 Project Location: XTO 32.122850, -103.997193

Sampling Date: 11/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: PH 03 0.5 (H247014-11)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2024	ND	2.11	106	2.00	8.93	
Toluene*	<0.050	0.050	11/19/2024	ND	2.20	110	2.00	8.05	
Ethylbenzene*	<0.050	0.050	11/19/2024	ND	2.15	107	2.00	7.31	
Total Xylenes*	<0.150	0.150	11/19/2024	ND	6.89	115	6.00	6.22	
Total BTX	<0.300	0.300	11/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	464	16.0	11/19/2024	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	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.9 % 49.1-148

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Analytical Results For:

ENSOLUM
BEN BELILL
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 11/18/2024
Reported: 11/20/2024
Project Name: CORRAL CANYON 16-9 FED COM 121H
Project Number: 03C1558555
Project Location: XTO 32.122850, -103.997193

Sampling Date: 11/15/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: PH 03A 3 (H247014-12)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/19/2024	ND	2.11	106	2.00	8.93		
Toluene*	<0.050	0.050	11/19/2024	ND	2.20	110	2.00	8.05		
Ethylbenzene*	<0.050	0.050	11/19/2024	ND	2.15	107	2.00	7.31		
Total Xylenes*	<0.150	0.150	11/19/2024	ND	6.89	115	6.00	6.22		
Total BTX	<0.300	0.300	11/19/2024	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	352	16.0	11/19/2024	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	11/18/2024	ND	196	98.1	200	3.91	
DRO >C10-C28*	<10.0	10.0	11/18/2024	ND	191	95.5	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	11/18/2024	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.9 % 49.1-148

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Notes and Definitions

S-05	The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

22

[illegible]

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 410825

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 410825
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2425666588
Incident Name	NAPP2425666588 CORRAL CANYON 16-9 STATE FED COM 121H @ 30-015-53198
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Well	[30-015-53198] CORRAL 16 9 STATE FEDERAL COM #102H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	CORRAL CANYON 16-9 STATE FED COM 121H
Date Release Discovered	09/12/2024
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error Tank (Any) Produced Water Released: 683 BBL Recovered: 663 BBL Lost: 20 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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Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

QUESTIONS, Page 2

Action 410825

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 410825
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 12/11/2024
--	--

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 3

Action 410825

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 410825
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
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 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 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	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	1550
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	13400
GRO+DRO (EPA SW-846 Method 8015M)	13300
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	09/30/2024
On what date will (or did) the final sampling or liner inspection occur	03/11/2025
On what date will (or was) the remediation complete(d)	03/11/2025
What is the estimated surface area (in square feet) that will be reclaimed	2020
What is the estimated volume (in cubic yards) that will be reclaimed	230
What is the estimated surface area (in square feet) that will be remediated	2020
What is the estimated volume (in cubic yards) that will be remediated	230
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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Oil Conservation Division
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QUESTIONS, Page 4

Action 410825

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 410825
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	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.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 12/11/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 410825

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 410825
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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QUESTIONS, Page 6

Action 410825

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 410825
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	411803
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	50
What was the sampling surface area in square feet	10000

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
--	----

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CONDITIONS

Action 410825

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 410825
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
bhall	Remediation plan conditionally approved.	1/31/2025
bhall	Excavation(s) must be advanced until the most stringent closure criteria are met.	1/31/2025
bhall	Confirmation/final 5-point composite samples representative of no more than 200 square feet must be collected from all side walls and bases of the excavation(s).	1/31/2025
bhall	Be advised that remediation closure cannot be requested until all contamination is remediated and confirmation/final samples are collected. If the temporary lined containment prevents full remediation of the site, a deferral may be warranted. Prior to a deferral request, the contamination must be fully delineated and as much contamination as possible must be remediated.	1/31/2025
bhall	Submit a complete and accurate report through the OCD Permitting website by 5/2/2025.	1/31/2025

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QUESTIONS

Action 457188

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 457188
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2425666588
Incident Name	NAPP2425666588 CORRAL CANYON 16-9 STATE FED COM 121H @ 30-015-53198
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-53198] CORRAL 16 9 STATE FEDERAL COM #102H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	CORRAL CANYON 16-9 STATE FED COM 121H
Date Release Discovered	09/12/2024
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error Tank (Any) Produced Water Released: 683 BBL Recovered: 663 BBL Lost: 20 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 457188

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 457188
	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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 12/11/2024
--	---

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QUESTIONS, Page 3

Action 457188

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 457188
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
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 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 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	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
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)	87.4
GRO+DRO (EPA SW-846 Method 8015M)	87.4
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	09/30/2024
On what date will (or did) the final sampling or liner inspection occur	04/16/2025
On what date will (or was) the remediation complete(d)	04/16/2025
What is the estimated surface area (in square feet) that will be reclaimed	4850
What is the estimated volume (in cubic yards) that will be reclaimed	840
What is the estimated surface area (in square feet) that will be remediated	4850
What is the estimated volume (in cubic yards) that will be remediated	840
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 457188

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 457188
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	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	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 04/30/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 457188

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 457188
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 457188

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:
	5380
	Action Number:
	457188
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	450417
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/14/2025
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	1000

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	4850
What was the total volume (cubic yards) remediated	840
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	4850
What was the total volume (in cubic yards) reclaimed	840
Summarize any additional remediation activities not included by answers (above)	"Following the removal of the temporary lined containment and production equipment, excavation activities were conducted at the Site as indicated in the Work Plan to address the September 2024 releases of produced water. The approved Work Plan is provided in Appendix D. Laboratory analytical results for the final confirmation soil samples collected indicate all COC concentrations were compliant with the Closure Criteria. Based on the soil sample laboratory analytical results, no further remediation is required. The excavation will be backfilled with material purchased locally and the Site recontoured to match pre-existing site conditions. Excavation of soil has mitigated impacts exceeding the Closure Criteria at the Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2425666588

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: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 04/30/2025
--	--

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QUESTIONS, Page 7

Action 457188

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 457188
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 457188

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:
	5380
	Action Number:
	457188
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	The remediation closure is approved.	6/25/2025
michael.buchanan	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	6/25/2025
michael.buchanan	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	6/25/2025
michael.buchanan	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	6/25/2025
michael.buchanan	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	6/25/2025
michael.buchanan	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	6/25/2025