



January 27, 2024

**New Mexico Oil Conservation Division**

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

**Re: Closure Request  
PLU CVX JV PC 11  
Incident Number NAPP2401641673  
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 site assessment, excavation, and soil sampling activities performed at the PLU CVX JV PC 11 (Site). The purpose of excavation and soil sampling activities, conducted in accordance with a *Remediation Work Plan (Work Plan)*, was to address impacts to soil resulting from a release of crude oil at the Site. Based on the excavation activities and analytical results from the soil sampling events, XTO is submitting this Closure Request, describing remediation that has occurred and requesting closure for Incident Number NAPP2401641673.

**RELEASE SUMMARY AND BACKGROUND**

The Site is located in Unit F, Section 20, Township 24 South, Range 30 East, in Eddy County, New Mexico (32.205624, -103.904817) and is associated with oil and gas exploration and production operations on Federal Land under the stewardship of the Bureau of Land Management (BLM).

On January 8, 2024, corrosion in a flowline resulted in the release of 2 barrels (bbls) of produced water and 4 bbls of crude oil to the Right-of-Way (ROW) and surrounding pasture area. In addition, 320 thousand cubic feet (MCF) of natural gas were vented. A vacuum truck was dispatched to the Site and recovered 5 bbls of the released fluids. XTO reported the release to the NMOCD via notification of release (NOR) and submitted a Form C-141 Application (C-141) on January 16, 2024. The release was assigned Incident Number NAPP2401641673.

Between March and April 2024, hand auger delineation of the release occurred, however, hand auger refusal was encountered at approximately 1 foot bgs in all areas of the release. Since the release occurred in a ROW and surrounding undisturbed pasture BLM land, a BLM Sundry form was submitted to the BLM. BLM responded on May 31, 2024, with requesting archeological and botany special status plant surveys be completed prior to subsurface disturbance. Following the completion of both surveys and positive survey results, BLM approved access to the area and Ensolum personnel returned to the Site in September 2024 to continue delineation of the release. The approved BLM Sundry form and BLM correspondence is included in Appendix A. The laboratory analytical results for delineation soil sample locations indicated impacted and waste-containing soil existed across an approximate 1,950 square foot area to approximately 3 feet deep. As such, in the *Work Plan*, XTO proposed excavation of the impacted and waste-containing soil, estimating removal of approximately 220 cubic yards of soil. In addition, XTO provided additional regional groundwater data because the nearest well was 0.59 miles from the Site and the most recent data was collected 26 years ago. A variance to accept the nearest well data in

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conjunction with data from 5 other wells within a 1.25 mile radius and apply the least stringent standards below 4 feet bgs was requested. The *Work Plan* was submitted October 8, 2024 and noted that excavation would begin as soon as possible as the BLM had granted access to the area. The *Work Plan* was denied for the following reasons:

*"The Remediation Closure Report [Work Plan] is Denied. Depth to groundwater is not adequately identified. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided. If evidence of depth to ground water within a ½ mile radius of the site cannot be provided, impacted soils will need to meet Table 1 Closure Criteria for ground water at a depth of 50 feet or less. If you feel the depth to groundwater is >100', a shallow borehole can be drilled to 101' allowing for verification of the depth. If water is not visible after reaching bottom-hole and waiting 72 hours, the OCD will accept this as evidence. We would just need a copy of the driller's log. Shallow perched water zones are considered groundwater. These are not part of the major aquifer structure and exist all over southeastern New Mexico. Anything below 10,000 mg/L is protectable.*

*All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site assessment/characterization/proven depth to water determination. Sidewall/Edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. All sidewall samples should be taken from the sidewall of the excavation. Please make sure that the edge of the release extent is accurately defined. All off-pad areas must meet reclamation/revegetation standards set forth in the OCD Spill Rule."*

Since XTO had proposed to apply the reclamation requirement in the top 4 feet in the *Work Plan* anyways, XTO proceeded with excavation of impacted and waste-containing soils as proposed. A copy of the *Work Plan* and associated correspondence the the NMOCD is included in Appendix B.

## SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table 1, 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). Based on the results of the Site Characterization and the ruling from the NMOCD in the denial of the *Work Plan*, the following NMOCD Table 1 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 SOIL SAMPLING ACTIVITIES

On November 19 and 20, 2024, Ensolum personnel returned to the Site to oversee excavation activities. Impacted soil was excavated from the release area as indicated by visible staining and laboratory analytical results for the delineation soil samples. Excavation activities were performed using hydrovacuum truck, track-mounted backhoe and transport vehicle. The excavation occurred in a ROW and surrounding pasture area. To direct excavation activities, soil was screened for volatile organic

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compounds (VOC) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The excavation was completed to depths ranging from 1-foot to 4 feet bgs. Photographic documentation of the excavation activities is included in Appendix C.

Following removal of the impacted soil, 5-point composite soil samples were collected at least every 200 square feet from the sidewalls and floor of the excavation. 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. Composite soil samples FS01 through FS19 were collected from the floor of the excavation from depths ranging from 1-foot to 4 feet bgs. Composite soil samples SW01 through SW07 were collected from the sidewalls of the excavation from depths ranging from the ground surface to 4 feet bgs.

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 constituents of concern (COC): 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.

Laboratory analytical results for confirmation floor sample FS18, collected at 2.5 foot bgs indicated TPH concentrations exceeded the Closure Criteria. Ensolum personnel returned to the Site and removed additional soil in the area. A final confirmation soil sample, FS18A was collected at 4 feet bgs. The soil sample was collected, handled and analyzed as described above at Cardinal in Hobbs, NM. The excavation area measured approximately 3,770 square feet. A total of approximately 500 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility in Hobbs, New Mexico. The Soil Disposal Manifests are included in Appendix D. The excavation extent and excavation soil sample locations are presented on Figure 1.

## LABORATORY ANALYTICAL RESULTS

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

## CLOSURE REQUEST

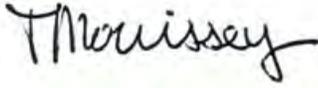
Site assessment and excavation activities were conducted at the Site to address the January 8, 2024, release. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated that all COC concentrations were compliant with the Site Closure Criteria. Based on the soil sample analytical results, no further remediation is required. XTO will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions. The disturbed pasture area will be re-seeded with an approved BLM seed mixture.

Excavation of impacted soil has mitigated impacts at this Site. Depth to groundwater has been estimated to be greater than 100 feet bgs, though not confirmed within 0.5 miles, and no other sensitive receptors were identified near the release extent. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number NAPP2401641673.

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

Sincerely,  
**Ensolum, LLC**



Tacoma Morrissey  
Associate Principal



Daniel R. Moir, PG  
Senior Managing Geologist

cc: Colton Brown, XTO  
Kaylan Dirkx, XTO  
BLM

Appendices:

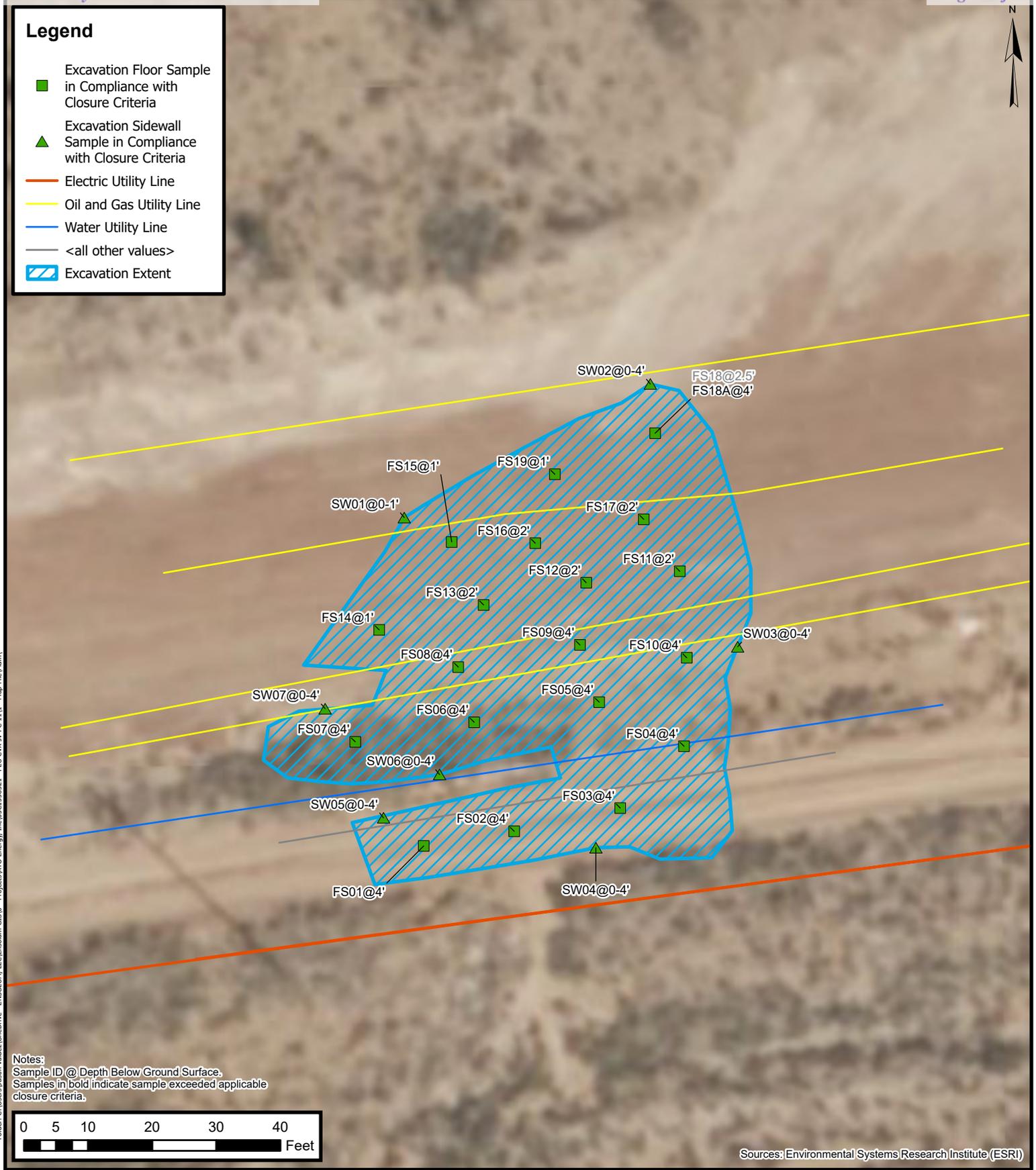
- Figure 1 Excavation Soil Sample Locations
- Table 1 Soil Sample Analytical Results
- Appendix A October 8, 2024 *Remediation Work Plan* and Correspondence
- Appendix B BLM Sundry Form and Correspondence
- Appendix C Photographic Log
- Appendix D Soil Disposal Manifests
- Appendix E Laboratory Analytical Reports & Chain-of-Custody Documentation



FIGURES

### Legend

- Excavation Floor Sample in Compliance with Closure Criteria
- ▲ Excavation Sidewall Sample in Compliance with Closure Criteria
- Electric Utility Line
- Oil and Gas Utility Line
- Water Utility Line
- <all other values>
- Excavation Extent



Folder: C:\Users\Justin Velazquez\OneDrive - ENSOLUM, LLC\Ensolium GIS\0 - Projects\XTO Energy, Inc\0361598321 - PLU CVX JV PC 1111 - Map File\Main



Sources: Environmental Systems Research Institute (ESRI)

## Excavation Soil Sample Locations

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 Unit F, Sec 20, T24S, R30E  
 Eddy County, NM

# FIGURE 1





TABLES

**TABLE 1  
SOIL SAMPLE ANALYTICAL RESULTS  
PLU CVX JV PC 11  
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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>Delineation Soil Samples</b>										
SS01	03/05/2024	0.5	<0.050	<0.300	<10.0	36.4	<10.0	36.4	36.4	32.0
SS02	03/05/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS03	03/05/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS04	03/05/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS05	04/24/2024	0.5	<0.050	<0.300	<10.0	13.3	<10.0	13.3	13.3	64.0
SS06	04/24/2024	0.5	0.0078	0.549	<10.0	406	79.2	406	485	256
SS07	04/24/2024	0.5	<0.050	<0.300	<10.0	84.3	<10.0	84.3	84.3	1,140
SS08	04/24/2024	0.5	<0.050	0.988	<10.0	47.7	<10.0	47.7	47.7	224
SS09	09/26/2024	0.5	<0.050	<03.00	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
BH01	04/24/2024	0.5	3.17	137	2,300	6,260	1,090	8,560	9,650	3,600
BH01A	04/24/2024	1	10.4	334	5,630	8,260	1,350	13,890	15,240	2,640
BH02	04/24/2024	0.5	9.69	412	5,090	9,820	1,600	14,910	16,510	160
BH02A	04/24/2024	1	7.73	298	4,310	6,920	1,050	11,230	12,280	80.0
BH03	04/24/2024	0.5	0.517	86.0	2,030	11,100	1,820	13,130	14,950	64.0
BH03A	04/24/2024	1	0.0066	13.8	258	2,120	382	2,378	2,760	64.0
BH03B	09/26/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
<b>Confirmation Soil Samples</b>										
FS01	11/19/2024	4	<0.050	<0.300	<10.0	55.2	<10.0	55.2	55.2	16
FS02	11/19/2024	4	<0.050	<0.300	<10.0	37.9	<10.0	37.9	37.9	208
FS03	11/19/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
FS04	11/19/2024	4	<0.050	<0.300	<10.0	54.5	<10.0	54.5	54.5	48
FS05	11/19/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
FS06	11/19/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS07	11/19/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
FS08	11/19/2024	4	<0.050	<0.300	<10.0	36.5	<10.0	36.5	36.5	288
FS09	11/20/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS10	11/19/2024	4	<0.050	<0.300	<10.0	80.8	<10.0	80.8	80.8	96
FS11	11/20/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
FS12	11/20/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS13	11/20/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
FS14	11/19/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160

**TABLE 1  
SOIL SAMPLE ANALYTICAL RESULTS  
PLU CVX JV PC 11  
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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
FS15	11/20/2024	1	<0.050	<0.300	<10.0	10.6	<10.0	10.6	10.6	192
FS16	11/20/2024	2	<0.050	<0.300	<10.0	47.5	12.6	47.5	60.1	272
FS17	11/20/2024	4	<0.050	0.413	<10.0	84.5	<10.0	84.5	84.5	128
FS18	11/20/2024	2.5	<0.050	2.72	<10.0	817	160	817	977	272
FS18A	12/19/2024	4	<0.050	<0.300	<10.0	41.8	<10.0	41.8	41.8	144
FS19	11/20/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
SW01	11/20/2024	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.1	<10.0	544
SW02	11/20/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.2	<10.0	112
SW03	11/20/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.3	<10.0	80
SW04	11/20/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.4	<10.0	32
SW05	11/20/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.5	<10.0	80
SW06	11/20/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.6	<10.0	64
SW07	11/20/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.7	<10.0	64

Notes:

bgs: below ground surface  
mg/kg: milligrams per kilogram  
NMOCD: New Mexico Oil Conservation Division  
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes  
Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation requirement where applicable.

GRO: Gasoline Range Organics  
DRO: Diesel Range Organics  
ORO: Oil Range Organics  
TPH: Total Petroleum Hydrocarbon  
NMAC: New Mexico Administrative Code  
Grey text indicates soil sample removed during excavation activities



APPENDIX A

October 8, 2024 *Remediation Work Plan*

and correspondence

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October 8, 2024

**New Mexico Oil Conservation Division**

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

**Re: Remediation Work Plan  
PLU CVX JV PC 11  
Incident Number NAPP2401641673  
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 the assessment activities completed to date and propose remedial activities to address impacted soil identified at the PLU CVX JV PC 11 (Site). The purpose of the site assessment activities was to delineate the lateral and vertical extent of impacted soil resulting from a release of produced water, crude oil, and vented natural gas. The following *Work Plan* proposes to excavate impacted soil within the top 4 feet of the release extent.

### **SITE DESCRIPTION AND RELEASE SUMMARY**

The Site is located in Unit F, Section 20, Township 24 South, Range 30 East, in Eddy County, New Mexico (32.205624°, -103.904817°) and is associated with oil and gas exploration and production operations on Federal land managed by the Bureau of Land Management (BLM).

On January 8, 2024, corrosion in a flowline resulted in the release of 2 barrels (bbls) of produced water and 4 bbls of crude oil to the Right-of-Way (ROW) and surrounding pasture area. In addition, 320 thousand cubic feet (MCF) of natural gas were vented. A vacuum truck was dispatched to the Site and recovered 5 bbls of the released fluids. XTO reported the release to the NMOCD via notification of release (NOR) and submitted a Form C-141 Application (C-141) on January 16, 2024. The release was assigned Incident Number NAPP2401641673.

### **SITE CHARACTERIZATION AND CLOSURE CRITERIA**

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented below. Potential Site receptors are identified on Figure 1.

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 United States Geological Survey (USGS) well USGS 321205103544701, located approximately 0.59 miles southwest of the Site. The groundwater well has a reported depth to groundwater of 231 feet bgs and a total depth of 452 feet bgs. The most recent depth to groundwater data was collected on January 27, 1998, which slightly exceeds the NMOCD-preference for a depth to water measurement to have been collected within the last 25 years, and the well distance from the Site

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of 0.59 miles slightly exceeds the NMOCD-preference of utilizing a well within ½ mile of the Site. However, this water well has a historic record, which can be more useful than one data point measured upon installation. The well record for USGS 321205103544701 indicated that depth to groundwater did not fluctuate more than +/- 6.24 feet over a period of 40 years. The groundwater present in the well during those 40 years was deep (231 feet bgs), and the historical record of only minor fluctuation in groundwater elevation suggest it is highly unlikely that depth to water in this area would have risen to less than 100 feet in recent years. In addition, multiple NMOSE permitted wells within 1.25 miles of the Site indicate depth to groundwater exceeds 100 feet bgs. This includes New Mexico Office of the State Engineer (NMOSE) soil boring C-04676 located 0.71 miles northwest of the Site, drilled in November of 2022 and resulted in a dry hole; and NMOSE well C-3960 located 1.15 miles east of the Site, installed November of 2016 and includes a most recent depth to groundwater measurement of 250 feet bgs. All well records used to determine depth to groundwater are attached in Appendix A and the well locations are depicted on Figure 1.

The closest continuously flowing or significant watercourse to the Site is dry wash, located approximately 441 feet south of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area).

Based on the results of the Site Characterization and the depth to groundwater investigation mentioned above, 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)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH applies to the top 4 feet of the pasture area that was impacted by the release, per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation.

## **SITE ASSESSMENT AND DELINEATION ACTIVITIES**

On March 5, 2024 Ensolum personnel conducted a Site visit to evaluate the release extent based on information provided in the C-141 and visual observations. Ensolum personnel collected four lateral delineation soil samples (SS01 through SS04) around the release extent from a depth of 0.5 feet bgs to assess the lateral extent of impacted soil. The release extent and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Photographic documentation was completed during the Site visits and a photographic log is included in Appendix B.

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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 constituents of concern (COC): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500.

Based on visual observations and field screening results, additional delineation within the release extent was warranted. As such, Ensolum personnel returned to the Site on April 24, 2024 and advanced boreholes BH01 through BH03 via hand auger within the release extent. The boreholes were advanced to a maximum depth of 1 foot bgs where auger refusal occurred. Discrete soil samples were collected from each pothole at depths ranging from 0.5 feet to 1-foot bgs. Soil from the boreholes were field screened for VOCs and chloride. Field screening results and observations were logged on lithologic/soil sampling logs, which are included in Appendix C. In addition to the borings, Ensolum personnel collected supplementary surface delineation soil samples (SS05 through SS08) from a depth of 0.5 feet bgs within and around the release extent. The soil samples were handled and analyzed as described above and submitted to Cardinal in Hobbs, New Mexico. The soil sample locations are depicted on Figure 2.

In order to complete additional delineation or excavation activities with heavy equipment, additional BLM access was required. XTO submitted a sundry form to request access to the BLM land and BLM approved access with conditions on May 31, 2024, requesting botany and archeological resource surveys to be completed prior to any delineation or excavation with heavy equipment. XTO contracted Beaver Creek Archeology (BCA) to complete the botany and archeological resource surveys. Those reports were completed and submitted to the BLM in August 2024.

Ensolum personnel returned to the Site on September 26, 2024 to oversee delineation via core drill and complete vertical delineation of the release with non-destructive means. The core drill was utilized to the southeast of borehole BH03 due to proximity of subsurface pipelines and was advanced to a maximum depth of 3 feet bgs. A discrete soil sample was collected from the borehole at 3 feet bgs. Soil from the borehole was field screened, and results and observations were logged on a lithologic/soil sampling log (Appendix C). Ensolum personnel collected an additional surface delineation soil sample (SS09) at 0.5 feet bgs to complete lateral delineation. All soil samples were handled and analyzed as described above and submitted to Cardinal in Hobbs, New Mexico.

## LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for the delineation soil samples SS01 through SS05, SS08 and SS09 indicate all COC concentrations are compliant with the Closure Criteria and reclamation requirement. Laboratory analytical results for delineation soil samples SS06 and SS07 indicate TPH and/or chloride concentrations exceed the reclamation requirement. Laboratory analytical results for delineation soil samples collected from 0.5 feet and 1-foot bgs within the release extent (borehole samples) indicated that benzene, BTEX, TPH-GRO/TPH-DRO, and TPH exceeds the Closure Criteria. Chloride from samples in BH01 also exceeded the reclamation requirement. Laboratory analytical results for BH03B, collected at 3 feet bgs, indicated concentrations of all COCs were compliant with the Closure Criteria and reclamation requirement and successfully defined the vertical extent of the release. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix D.

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Remediation Work Plan  
PLU CVX JV PC 11

### PROPOSED REMEDIATION WORK PLAN

The laboratory analytical results indicate impacted and waste-containing soil exists across an approximate 1,950 square foot area and is less than 3 feet deep. As such, XTO proposes to complete the following remediation activities:

- Excavation of impacted and waste-containing soil to a depth of approximately 3 feet bgs. Excavation will proceed laterally until sidewall samples confirm all COC concentrations are compliant with the reclamation requirement in the top four feet.
- Collect 5-point composite confirmation soil samples every 200 square feet from the floor and sidewalls of the final excavation 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. All confirmation soil samples will be analyzed for the same COCs as described above.
- An estimated 220 cubic yards of impacted soil will be excavated. The excavated soil will be transferred to an approved landfill facility for disposal.
- The excavation will be backfilled and recontoured to match pre-existing conditions and re-seeded with the recommended BLM seed mixture.

BLM approved the sundry request for additional remediation activities at the Site on October 2, 2024. As such, XTO will begin the excavation and soil sampling activities within 30 days of the date this *Work Plan* is submitted to the NMOCD.

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

Sincerely,  
**Ensolum, LLC**



David A. McInnis  
Project Geologist



Ashley Ager, MS, PG  
Principal, Geologist

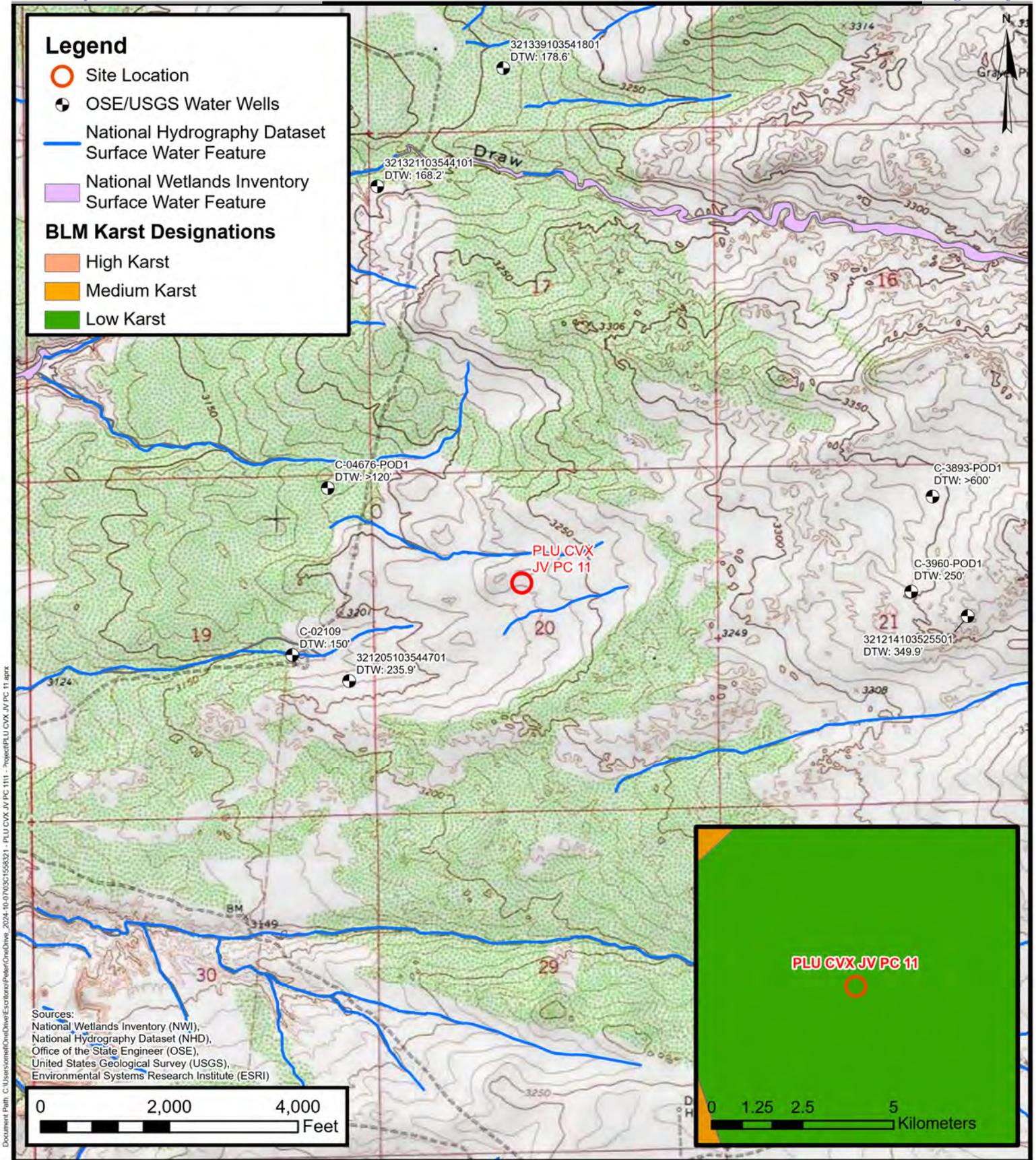
cc: Colton Brown, XTO  
Kaylan Dirkx, XTO  
BLM

Appendices:

- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- 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



Document Path: C:\Users\omel\OneDrive\Escritorio\Peer\Code\Draw\_2024\_10\07\03C1558321 - PLU CVX JV PC 111 - Project\PLU CVX JV PC 11.aprx



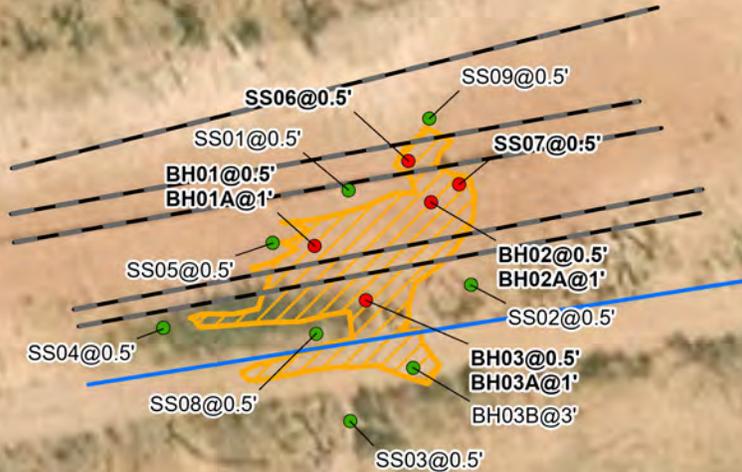
**Site Receptor Map**

XTO Energy, Inc  
 PLU CVX JV PC 11  
 Incident Number: nAPP2401641673  
 Unit F, Sec 20, T 24S, R 30E  
 Eddy County, New Mexico

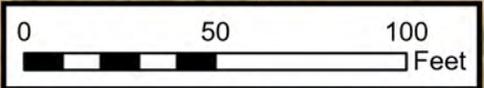
**FIGURE**  
**1**

# Legend

- Delineation Soil Sample Compliant with Closure Criteria
- Delineation Soil Sample Not Compliant with Closure Criteria
- Oil and Gas Utility Line
- Water Utility Line
- Release Extent



Notes:  
 Soil Sample @ Depth Below Ground Surface  
 Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation requirement where applicable.



Sources:  
 Environmental Systems Research Institute (ESRI)



## Delineation Soil Sample Locations

XTO Energy, Inc  
 PLU CVX JV PC 11  
 Incident Number: nAPP2401641673  
 Unit F, Sec 20, T 24S, R 30E  
 Eddy County, New Mexico

FIGURE  
 2



TABLES



**TABLE 1  
SOIL SAMPLE ANALYTICAL RESULTS  
PLU CVX JV PC 11  
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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>20,000</b>
<b>Delineation Soil Samples</b>										
SS01	03/05/2024	0.5	<0.050	<0.300	<10.0	36.4	<10.0	36.4	36.4	32.0
SS02	03/05/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS03	03/05/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS04	03/05/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS05	04/24/2024	0.5	<0.050	<0.300	<10.0	13.3	<10.0	13.3	13.3	64.0
SS06	04/24/2024	0.5	0.0078	0.549	<10.0	406	79.2	<b>406</b>	<b>485</b>	256
SS07	04/24/2024	0.5	<0.050	<0.300	<10.0	84.3	<10.0	84.3	84.3	<b>1,140</b>
SS08	04/24/2024	0.5	<0.050	0.988	<10.0	47.7	<10.0	47.7	47.7	224
SS09	09/26/2024	0.5	<0.050	<03.00	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
BH01	04/24/2024	0.5	3.17	<b>137</b>	2,300	6,260	1,090	<b>8,560</b>	<b>9,650</b>	3,600
BH01A	04/24/2024	1	<b>10.4</b>	<b>334</b>	5,630	8,260	1,350	<b>13,890</b>	<b>15,240</b>	2,640
BH02	04/24/2024	0.5	9.69	<b>412</b>	5,090	9,820	1,600	<b>14,910</b>	<b>16,510</b>	160
BH02A	04/24/2024	1	7.73	<b>298</b>	4,310	6,920	1,050	<b>11,230</b>	<b>12,280</b>	80.0
BH03	04/24/2024	0.5	0.517	<b>86.0</b>	2,030	11,100	1,820	<b>13,130</b>	<b>14,950</b>	64.0
BH03A	04/24/2024	1	0.0066	13.8	258	2,120	382	<b>2,378</b>	<b>2,760</b>	64.0
BH03B	09/26/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0

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:  Geographic Area:

Click to hide News Bulletins

- Explore the [NEW USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#)

Groundwater levels for the Nation

**!** Important: [Next Generation Monitoring Location Page](#)

**Search Results -- 1 sites found**

Agency code = usgs  
 site\_no list = 

- 321205103544701

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

**USGS 321205103544701 24S.30E.19.42113**

Eddy County, New Mexico

Latitude 32°12'05", Longitude 103°54'47" NAD27

Land-surface elevation 3,188 feet above NAVD88

The depth of the well is 452 feet below land surface.

This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

**Output formats**

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

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 measurement
<a href="#">1958-10-24</a>			D 62610		2958.66	NGVD29	1	Z		
<a href="#">1958-10-24</a>			D 62611		2960.30	NAVD88	1	Z		
<a href="#">1958-10-24</a>			D 72019	227.70			1	Z		
<a href="#">1959-03-19</a>			D 62610		2958.61	NGVD29	1	Z		
<a href="#">1959-03-19</a>			D 62611		2960.25	NAVD88	1	Z		
<a href="#">1959-03-19</a>			D 72019	227.75			1	Z		
<a href="#">1975-12-10</a>			D 62610		2954.58	NGVD29	1	Z		
<a href="#">1975-12-10</a>			D 62611		2956.22	NAVD88	1	Z		
<a href="#">1975-12-10</a>			D 72019	231.78			1	Z		
<a href="#">1976-01-16</a>			D 62610		2949.10	NGVD29	1	Z		
<a href="#">1976-01-16</a>			D 62611		2950.74	NAVD88	1	Z		
<a href="#">1976-01-16</a>			D 72019	237.26			1	Z		
<a href="#">1976-12-01</a>			D 62610		2955.63	NGVD29	1	Z		
<a href="#">1976-12-01</a>			D 62611		2957.27	NAVD88	1	Z		
<a href="#">1976-12-01</a>			D 72019	230.73			1	Z		
<a href="#">1977-01-14</a>			D 62610		2955.74	NGVD29	1	Z		

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 measurement
1977-01-14			D	62611	2957.38	NAVD88	1	Z		
1977-01-14			D	72019	230.62					
1983-02-01			D	62610	2950.43	NGVD29	1	Z		
1983-02-01			D	62611	2952.07	NAVD88	1	Z		
1983-02-01			D	72019	235.93					
1987-10-15			D	62610	2953.06	NGVD29	1	S		
1987-10-15			D	62611	2954.70	NAVD88	1	S		
1987-10-15			D	72019	233.30					
1998-01-27			D	62610	2955.34	NGVD29	1	S		
1998-01-27			D	62611	2956.98	NAVD88	1	S		
1998-01-27			D	72019	231.02					

Explanation

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.

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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: 2024-02-26 15:17:40 EST

0.28 0.25 nadww02



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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

OSE DIT DEC 21 2022 PM 3:14

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-04676 POD 1		WELL TAG ID NO.		OSE FILE NO(S). C-04676		
	WELL OWNER NAME(S) XTO ENERGY INC				PHONE (OPTIONAL) 575-200-0729		
	WELL OWNER MAILING ADDRESS 3104 E GREENE ST				CITY CARLSBAD	STATE NM	ZIP 88220
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 32	SECONDS 12	32.66	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84
		LONGITUDE	-103	54	50.95	W	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE POKER LAKE UNIT # 231							

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1184	NAME OF LICENSED DRILLER RUSSELL SOUTHERLAND			NAME OF WELL DRILLING COMPANY WEST TEXAS WATER WELL SERVICE			
	DRILLING STARTED 11/22/22	DRILLING ENDED 11/22/22	DEPTH OF COMPLETED WELL (FT) 120	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A			
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
				NO CASING IN HOLE				

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				N/A		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO. <b>C-04676</b>	POD NO. <b>1</b>	TRN NO. <b>736286</b>
LOCATION <b>245.30E.19.1.2.2</b>	WELL TAG ID NO.	PAGE 1 OF 2





# WELL RECORD & LOG

## OFFICE OF THE STATE ENGINEER

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

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER)			OSE FILE NUMBER(S)		
	1			C-3960		
	WELL OWNER NAME(S)			PHONE (OPTIONAL)		
	BUREAU OF LAND MANAGEMENT					
	WELL OWNER MAILING ADDRESS			CITY STATE ZIP		
620 E. GREENE STREET			CARLSBAD NM 88220			
WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
	LATITUDE	32	12			
LONGITUDE	DEGREES	MINUTES	SECONDS			
	103	53	511 <sup>30.22</sup>			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE						
SECTION 21 TOWNSHIP 24 S. RANGE 30 S.						

2. DRILLING & CASING INFORMATION	LICENSE NUMBER		NAME OF LICENSED DRILLER		NAME OF WELL DRILLING COMPANY		
	WD-1753		JACOBO FRIESEN		VANGUARD WATER WELLS		
	DRILLING STARTED		DRILLING ENDED		DEPTH OF COMPLETED WELL (FT)		BORE HOLE DEPTH (FT)
	11-12-16		11-12-16		475		475
					DEPTH WATER FIRST ENCOUNTERED (FT)		250
	COMPLETED WELL IS:		<input type="checkbox"/> ARTESIAN		<input type="checkbox"/> DRY HOLE		<input checked="" type="checkbox"/> SHALLOW (UNCONFINED)
	DRILLING FLUID:		<input type="checkbox"/> AIR		<input checked="" type="checkbox"/> MUD		ADDITIVES - SPECIFY:
	DRILLING METHOD:		<input checked="" type="checkbox"/> ROTARY		<input type="checkbox"/> HAMMER		<input type="checkbox"/> CABLE TOOL
							<input type="checkbox"/> OTHER - SPECIFY:
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
FROM	TO						
0	250	11	STEEL BLANK	THREAD	6	.322	
250	290	11	STEEL SCREEN	THREAD	6	.25	.030
290	395	11	STEEL BLANK	THREAD	6	.322	
395	435	11	STEEL SCREEN	THREAD	6	.25	.030
435	475	11	STEEL BLANK	THREAD	6	.322	

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	0	20	11	CONCRETE	9	POURED
	20	220	11	3/8 GRAVEL	93	POURED
	220	310	11	SILCA SAND	41	POURED
	310	370	11	3/8 GRAVEL	28	POURED
370	475	11	SILCA SAND	48	POURED	

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 10/29/15)	
FILE NUMBER	C-3960	POD NUMBER	1
LOCATION	24.30.21.23	TRN NUMBER	588952
			PAGE 1 OF 2





## APPENDIX B

### Photographic Log

---



**Photographic Log**  
 XTO Energy, Inc  
 PLU CVX JV PC 11  
 NAPP2401641673



1/9/24, 9:36 AM  
 +32.205498, -103.904935  
 Loving, NM 88256



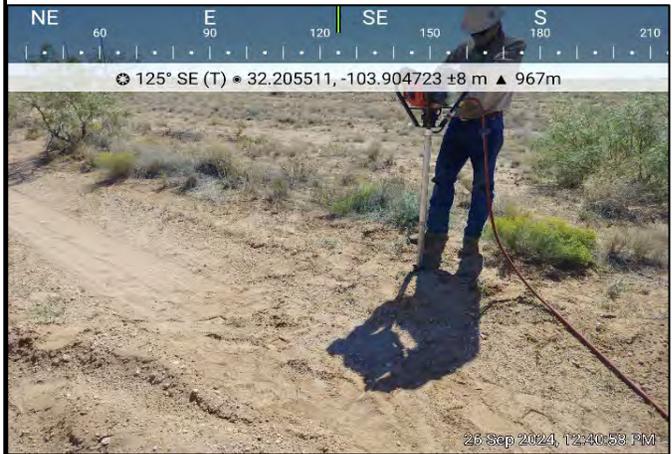
Date & Time: Tue, Mar 05, 2024 at 10:59:57 MST  
 Position: +32.205594 / -103.904707 (±15.6ft)  
 Altitude: 3245ft (±11.1ft)  
 Datum: WGS-84  
 Azimuth/Bearing: 263° 58'3W 4276mils True (±12°)  
 Elevation Angle: -01.8°  
 Horizon Angle: +03.4°  
 Zoom: 1.0X  
 2 Trase roads  
 Mapbox © Open

Photograph: 1 Date: 1/9/2024  
 Description: Soil staining in release footprint  
 View: East

Photograph: 2 Date: 3/5/2024  
 Description: Soil staining in release footprint  
 View: Southwest



Date & Time: Wed, Apr 24, 2024 at 1:46:00 MST  
 Position: +32.205511 / -103.904723 (±15.6ft)  
 Altitude: 3245ft (±11.1ft)  
 Datum: WGS-84  
 Azimuth/Bearing: 095° 56'0W 1582mils True (±12°)  
 Elevation Angle: +03.1°  
 Horizon Angle: -01.2°  
 Zoom: 1.0X  
 Marked Subsurface Lines



NE 60 E 90 SE 120 150 S 180 210  
 125° SE (T) • 32.205511, -103.904723 ±8 m ▲ 967m

25 Sep 2024, 12:40:53 PM

Photograph: 3 Date: 4/24/2024  
 Description: Soil staining in release foot print  
 View: Southeast

Photograph: 4 Date: 9/26/2024  
 Description: Core drilling activities  
 View: Northeast



## APPENDIX C

### Lithologic ~~ES~~ Soil Sampling Logs

					Sample Name: BH01		Date: 04/25/2024	
					Site Name: PLU CVX JV PC 11			
					Incident Number: nAPP2401641673			
					Job Number: 03C1558321			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>					Logged By: TH		Method: Hand Auger	
Coordinates: 32.205600, -103.904840					Hole Diameter: 4"		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. 40% correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
Dry	>3612	949.7	N	BH01	0.5	0	SP-SM	(0-1') SAND, brown, with silt and gravel, poorly graded, odor present
Dry	1674	1503	N	BH01A	1	1		
								
Total Depth @ 1-foot bgs								

					Sample Name: BH02		Date: 04/25/2024	
					Site Name: PLU CVX JV PC 11			
					Incident Number: nAPP2401641673			
					Job Number: 03C1558321			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>					Logged By: TH		Method: Hand Auger	
Coordinates: 32.205630, -103.904742					Hole Diameter: 4"		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. 40% correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
0.5	<162	1147	N	BH02	0.5	0	SP-SM	(0-1') SAND, brown, with silt and gravel, poorly graded, trace caliche, odor present
1	<162	1189	N	BH02A	1	1		Auger Refusal @ 1-foot bgs
Total Depth @ 1-foot bgs								

							Sample Name: BH03		Date: 04/25/2024	
							Site Name: PLU CVX JV PC 11			
							Incident Number: nAPP2401641673			
							Job Number: 03C1558321			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>							Logged By: TH		Method: Hand Auger	
Coordinates: 32.205560, -103.904797							Hole Diameter: 4"		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. 40% correction factors included.										
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions		
0.5	<162	406.1	N	BH03	0.5	0	SP-SM	(0-1') SAND, brown, with silt and gravel, poorly graded, trace caliche, odor present		
1	<162	336.3	N	BH03A	1	1		Auger Refusal @ 1-foot bgs		
Total Depth @ 1-foot bgs										

					Sample Name: BH03		Date: 9/26/24	
					Site Name: PLU CVX JV PC 11			
					Incident Number: nAPP2401641673			
					Job Number: 03C1558321			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>					Logged By: DM		Method: Hand Auger	
Coordinates: 32.205511, -103.904723					Hole Diameter: 2"		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. 40% correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
					0	0	SP-SM	(0-1') SAND, brown, with silt and gravel, poorly graded, odor present
					1	1		
Damp	<120	56.7	N		2	2	CCHE	(1-2') CALICHE, light brown, with sand, slight odor present
Damp	<120	0.1	N	BH03B	3	3	CCHE	(2-3') CALICHE, light brown, with sand, no odor present
						Total Depth @ 3-foot bgs		



## APPENDIX D

### Laboratory Analytical Reports & Chain of Custody Documentation

---



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

---

March 12, 2024

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU CVX JV PC 11

Enclosed are the results of analyses for samples received by the laboratory on 03/07/24 14:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/07/2024	Sampling Date:	03/05/2024
Reported:	03/12/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: SS 01 @ 0.5' (H241162-01)**

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	03/09/2024	ND	2.21	110	2.00	0.741	
Toluene*	<0.050	0.050	03/09/2024	ND	2.20	110	2.00	0.696	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	2.15	107	2.00	0.941	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	6.46	108	6.00	0.459	
Total BTEX	<0.300	0.300	03/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/11/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	213	106	200	3.16	
<b>DRO &gt;C10-C28*</b>	<b>36.4</b>	10.0	03/08/2024	ND	226	113	200	0.570	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/07/2024	Sampling Date:	03/05/2024
Reported:	03/12/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: SS 02 @ 0.5' (H241162-02)**

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	03/09/2024	ND	2.21	110	2.00	0.741	
Toluene*	<0.050	0.050	03/09/2024	ND	2.20	110	2.00	0.696	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	2.15	107	2.00	0.941	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	6.46	108	6.00	0.459	
Total BTEX	<0.300	0.300	03/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	03/11/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	213	106	200	3.16	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	226	113	200	0.570	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/07/2024	Sampling Date:	03/05/2024
Reported:	03/12/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: SS 03 @ 0.5' (H241162-03)**

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	03/09/2024	ND	2.21	110	2.00	0.741	
Toluene*	<0.050	0.050	03/09/2024	ND	2.20	110	2.00	0.696	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	2.15	107	2.00	0.941	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	6.46	108	6.00	0.459	
Total BTEX	<0.300	0.300	03/09/2024	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	16.0	16.0	03/11/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	213	106	200	3.16	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	226	113	200	0.570	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.0 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/07/2024	Sampling Date:	03/05/2024
Reported:	03/12/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: SS 04 @ 0.5' (H241162-04)**

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	03/09/2024	ND	2.21	110	2.00	0.741	
Toluene*	<0.050	0.050	03/09/2024	ND	2.20	110	2.00	0.696	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	2.15	107	2.00	0.941	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	6.46	108	6.00	0.459	
Total BTEX	<0.300	0.300	03/09/2024	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	16.0	16.0	03/11/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	213	106	200	3.16	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	226	113	200	0.570	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.9 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager





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

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May 02, 2024

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

RE: PLU CVS JV PC 11

Enclosed are the results of analyses for samples received by the laboratory on 04/26/24 13:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" at the beginning.

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM, LLC  
 DAVID MCINNIS  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/26/2024	Sampling Date:	04/24/2024
Reported:	05/02/2024	Sampling Type:	Soil
Project Name:	PLU CVS JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.205624,-103.904817		

**Sample ID: BH 01 0.5 (H242246-01)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Benzene*</b>	<b>3.17</b>	2.00	04/30/2024	ND	2.05	103	2.00	0.0123	GC-NC1	
<b>Toluene*</b>	<b>26.4</b>	2.00	04/30/2024	ND	2.10	105	2.00	1.56		
<b>Ethylbenzene*</b>	<b>17.9</b>	2.00	04/30/2024	ND	2.12	106	2.00	1.12		
<b>Total Xylenes*</b>	<b>89.3</b>	6.00	04/30/2024	ND	6.20	103	6.00	1.20		
<b>Total BTEX</b>	<b>137</b>	12.0	04/30/2024	ND					GC-NC1	

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	
<b>Chloride</b>	<b>3600</b>	16.0	04/30/2024	ND	448	112	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
<b>GRO C6-C10*</b>	<b>2300</b>	10.0	04/30/2024	ND	208	104	200	1.58			
<b>DRO &gt;C10-C28*</b>	<b>6260</b>	10.0	04/30/2024	ND	189	94.6	200	6.21			
<b>EXT DRO &gt;C28-C36</b>	<b>1090</b>	10.0	04/30/2024	ND							

Surrogate: 1-Chlorooctane 170 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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, LLC  
 DAVID MCINNIS  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/26/2024	Sampling Date:	04/24/2024
Reported:	05/02/2024	Sampling Type:	Soil
Project Name:	PLU CVS JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.205624,-103.904817		

**Sample ID: BH 01 A 1 (H242246-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>10.4</b>	2.00	04/30/2024	ND	2.05	103	2.00	0.0123	GC-NC1
<b>Toluene*</b>	<b>96.2</b>	2.00	04/30/2024	ND	2.10	105	2.00	1.56	
<b>Ethylbenzene*</b>	<b>45.0</b>	2.00	04/30/2024	ND	2.12	106	2.00	1.12	
<b>Total Xylenes*</b>	<b>183</b>	6.00	04/30/2024	ND	6.20	103	6.00	1.20	
<b>Total BTEX</b>	<b>334</b>	12.0	04/30/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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
<b>Chloride</b>	<b>2640</b>	16.0	04/30/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10*</b>	<b>5630</b>	10.0	04/30/2024	ND	208	104	200	1.58		
<b>DRO &gt;C10-C28*</b>	<b>8260</b>	10.0	04/30/2024	ND	189	94.6	200	6.21		
<b>EXT DRO &gt;C28-C36</b>	<b>1350</b>	10.0	04/30/2024	ND						

Surrogate: 1-Chlorooctane 221 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 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, LLC  
 DAVID MCINNIS  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/26/2024	Sampling Date:	04/24/2024
Reported:	05/02/2024	Sampling Type:	Soil
Project Name:	PLU CVS JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.205624,-103.904817		

**Sample ID: BH 02 0.5 (H242246-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>9.69</b>	2.00	04/30/2024	ND	2.05	103	2.00	0.0123	GC-NC1
<b>Toluene*</b>	<b>102</b>	2.00	04/30/2024	ND	2.10	105	2.00	1.56	
<b>Ethylbenzene*</b>	<b>57.1</b>	2.00	04/30/2024	ND	2.12	106	2.00	1.12	
<b>Total Xylenes*</b>	<b>243</b>	6.00	04/30/2024	ND	6.20	103	6.00	1.20	
<b>Total BTEX</b>	<b>412</b>	12.0	04/30/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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
<b>Chloride</b>	<b>160</b>	16.0	04/30/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10*</b>	<b>5090</b>	10.0	04/30/2024	ND	208	104	200	1.58		
<b>DRO &gt;C10-C28*</b>	<b>9820</b>	10.0	04/30/2024	ND	189	94.6	200	6.21		
<b>EXT DRO &gt;C28-C36</b>	<b>1600</b>	10.0	04/30/2024	ND						

Surrogate: 1-Chlorooctane 165 % 48.2-134

Surrogate: 1-Chlorooctadecane 154 % 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, LLC  
 DAVID MCINNIS  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/26/2024	Sampling Date:	04/24/2024
Reported:	05/02/2024	Sampling Type:	Soil
Project Name:	PLU CVS JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.205624,-103.904817		

**Sample ID: BH 02 A 1 (H242246-04)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Benzene*</b>	<b>7.73</b>	2.00	04/30/2024	ND	2.05	103	2.00	0.0123	GC-NC1	
<b>Toluene*</b>	<b>71.1</b>	2.00	04/30/2024	ND	2.10	105	2.00	1.56		
<b>Ethylbenzene*</b>	<b>40.2</b>	2.00	04/30/2024	ND	2.12	106	2.00	1.12		
<b>Total Xylenes*</b>	<b>179</b>	6.00	04/30/2024	ND	6.20	103	6.00	1.20		
<b>Total BTEX</b>	<b>298</b>	12.0	04/30/2024	ND					GC-NC1	

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	
<b>Chloride</b>	<b>80.0</b>	16.0	04/30/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
<b>GRO C6-C10*</b>	<b>4310</b>	10.0	04/30/2024	ND	225	113	200	2.25	QM-07		
<b>DRO &gt;C10-C28*</b>	<b>6920</b>	10.0	04/30/2024	ND	227	114	200	2.83	QM-07		
<b>EXT DRO &gt;C28-C36</b>	<b>1050</b>	10.0	04/30/2024	ND							

Surrogate: 1-Chlorooctane 160 % 48.2-134

Surrogate: 1-Chlorooctadecane 149 % 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  
 DAVID MCINNIS  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/26/2024	Sampling Date:	04/24/2024
Reported:	05/02/2024	Sampling Type:	Soil
Project Name:	PLU CVS JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.205624,-103.904817		

**Sample ID: BH 03 0.5 (H242246-05)**

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.517</b>	0.200	05/01/2024	ND	2.05	103	2.00	0.0123	GC-NC1
<b>Toluene*</b>	<b>7.99</b>	0.200	05/01/2024	ND	2.10	105	2.00	1.56	
<b>Ethylbenzene*</b>	<b>9.50</b>	0.200	05/01/2024	ND	2.12	106	2.00	1.12	
<b>Total Xylenes*</b>	<b>68.0</b>	0.600	05/01/2024	ND	6.20	103	6.00	1.20	
<b>Total BTEX</b>	<b>86.0</b>	1.20	05/01/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 211 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	04/30/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>2030</b>	50.0	04/30/2024	ND	225	113	200	2.25	
<b>DRO &gt;C10-C28*</b>	<b>11100</b>	50.0	04/30/2024	ND	227	114	200	2.83	
<b>EXT DRO &gt;C28-C36</b>	<b>1820</b>	50.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 173 % 48.2-134

Surrogate: 1-Chlorooctadecane 201 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 DAVID MCINNIS  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/26/2024	Sampling Date:	04/24/2024
Reported:	05/02/2024	Sampling Type:	Soil
Project Name:	PLU CVS JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.205624,-103.904817		

**Sample ID: BH 03 A 1 (H242246-06)**

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.066</b>	0.050	04/30/2024	ND	2.05	103	2.00	0.0123	GC-NC1
<b>Toluene*</b>	<b>0.849</b>	0.050	04/30/2024	ND	2.10	105	2.00	1.56	
<b>Ethylbenzene*</b>	<b>4.11</b>	0.050	04/30/2024	ND	2.12	106	2.00	1.12	
<b>Total Xylenes*</b>	<b>8.76</b>	0.150	04/30/2024	ND	6.20	103	6.00	1.20	
<b>Total BTEX</b>	<b>13.8</b>	0.300	04/30/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 176 % 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
<b>Chloride</b>	<b>64.0</b>	16.0	04/30/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>258</b>	10.0	04/30/2024	ND	225	113	200	2.25	
<b>DRO &gt;C10-C28*</b>	<b>2120</b>	10.0	04/30/2024	ND	227	114	200	2.83	
<b>EXT DRO &gt;C28-C36</b>	<b>382</b>	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 DAVID MCINNIS  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/26/2024	Sampling Date:	04/24/2024
Reported:	05/02/2024	Sampling Type:	Soil
Project Name:	PLU CVS JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.205624,-103.904817		

**Sample ID: SS 06 0.5 (H242246-07)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Benzene*</b>	<b>0.078</b>	0.050	04/30/2024	ND	2.05	103	2.00	0.0123	GC-NC1	
<b>Toluene*</b>	<b>0.261</b>	0.050	04/30/2024	ND	2.10	105	2.00	1.56		
<b>Ethylbenzene*</b>	<b>0.050</b>	0.050	04/30/2024	ND	2.12	106	2.00	1.12		
<b>Total Xylenes*</b>	<b>0.160</b>	0.150	04/30/2024	ND	6.20	103	6.00	1.20		
<b>Total BTEX</b>	<b>0.549</b>	0.300	04/30/2024	ND					GC-NC1	

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>256</b>	16.0	04/30/2024	ND	448	112	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	04/30/2024	ND	225	113	200	2.25		
<b>DRO &gt;C10-C28*</b>	<b>406</b>	10.0	04/30/2024	ND	227	114	200	2.83		
<b>EXT DRO &gt;C28-C36</b>	<b>79.2</b>	10.0	04/30/2024	ND						

Surrogate: 1-Chlorooctane 104 % 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, LLC  
 DAVID MCINNIS  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/26/2024	Sampling Date:	04/24/2024
Reported:	05/02/2024	Sampling Type:	Soil
Project Name:	PLU CVS JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.205624,-103.904817		

**Sample ID: SS 07 0.5 (H242246-08)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/30/2024	ND	2.05	103	2.00	0.0123	
Toluene*	<0.050	0.050	04/30/2024	ND	2.10	105	2.00	1.56	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.12	106	2.00	1.12	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.20	103	6.00	1.20	
Total BTEX	<0.300	0.300	04/30/2024	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
<b>Chloride</b>	<b>1140</b>	16.0	04/30/2024	ND	448	112	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	04/30/2024	ND	225	113	200	2.25	
<b>DRO &gt;C10-C28*</b>	<b>84.3</b>	10.0	04/30/2024	ND	227	114	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM, LLC  
 DAVID MCINNIS  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/26/2024	Sampling Date:	04/24/2024
Reported:	05/02/2024	Sampling Type:	Soil
Project Name:	PLU CVS JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.205624,-103.904817		

**Sample ID: SS 08 0.5 (H242246-09)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/30/2024	ND	2.05	103	2.00	0.0123	
<b>Toluene*</b>	<b>0.353</b>	0.050	04/30/2024	ND	2.10	105	2.00	1.56	
<b>Ethylbenzene*</b>	<b>0.124</b>	0.050	04/30/2024	ND	2.12	106	2.00	1.12	
<b>Total Xylenes*</b>	<b>0.512</b>	0.150	04/30/2024	ND	6.20	103	6.00	1.20	
<b>Total BTEX</b>	<b>0.988</b>	0.300	04/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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
<b>Chloride</b>	<b>224</b>	16.0	04/30/2024	ND	448	112	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	04/30/2024	ND	225	113	200	2.25	
<b>DRO &gt;C10-C28*</b>	<b>47.7</b>	10.0	04/30/2024	ND	227	114	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 DAVID MCINNIS  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	04/26/2024	Sampling Date:	04/24/2024
Reported:	05/02/2024	Sampling Type:	Soil
Project Name:	PLU CVS JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.205624,-103.904817		

**Sample ID: SS 05 0.5 (H242246-10)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/30/2024	ND	2.05	103	2.00	0.0123	
<b>Toluene*</b>	<b>0.050</b>	0.050	04/30/2024	ND	2.10	105	2.00	1.56	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.12	106	2.00	1.12	
<b>Total Xylenes*</b>	<b>0.175</b>	0.150	04/30/2024	ND	6.20	103	6.00	1.20	
Total BTEX	<0.300	0.300	04/30/2024	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
<b>Chloride</b>	<b>64.0</b>	16.0	04/30/2024	ND	448	112	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	04/30/2024	ND	225	113	200	2.25	
<b>DRO &gt;C10-C28*</b>	<b>13.3</b>	10.0	04/30/2024	ND	227	114	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 78.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.0 % 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.
S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager





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October 04, 2024

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

RE: PLU CVX JV PC 11

Enclosed are the results of analyses for samples received by the laboratory on 09/26/24 16:11.

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](http://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: PLU CVX JV PC 11 Project Number: 03C1558321 Project Manager: DAVID MCINNIS Fax To:	Reported: 04-Oct-24 09:16
--------------------------------------------------------	------------------------------------------------------------------------------------------------------	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH 03 B 3'	H245871-01	Soil	26-Sep-24 13:24	26-Sep-24 16:11
SS 09 0.5'	H245871-02	Soil	26-Sep-24 13:26	26-Sep-24 16:11

10/04/24 - Client changed the sample ID on -01 (see COC). This is the revised report and will replace the one sent on 09/27/24.

Cardinal Laboratories

\*=Accredited Analyte

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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: PLU CVX JV PC 11 Project Number: 03C1558321 Project Manager: DAVID MCINNIS Fax To:	Reported: 04-Oct-24 09:16
--------------------------------------------------------	------------------------------------------------------------------------------------------------------	------------------------------

**BH 03 B 3'  
H245871-01 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	4092735	AC	27-Sep-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4092634	JH	26-Sep-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4092634	JH	26-Sep-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4092634	JH	26-Sep-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4092634	JH	26-Sep-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4092634	JH	26-Sep-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		4092634	JH	26-Sep-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4092640	MS	27-Sep-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4092640	MS	27-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4092640	MS	27-Sep-24	8015B	

Surrogate: 1-Chlorooctane			85.1 %	48.2-134		4092640	MS	27-Sep-24	8015B	
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Surrogate: 1-Chlorooctadecane			78.2 %	49.1-148		4092640	MS	27-Sep-24	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: PLU CVX JV PC 11 Project Number: 03C1558321 Project Manager: DAVID MCINNIS Fax To:	Reported: 04-Oct-24 09:16
--------------------------------------------------------	------------------------------------------------------------------------------------------------------	------------------------------

**SS 09 0.5'**  
**H245871-02 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>80.0</b>		16.0	mg/kg	4	4092735	AC	27-Sep-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4092634	JH	26-Sep-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4092634	JH	26-Sep-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4092634	JH	26-Sep-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4092634	JH	26-Sep-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4092634	JH	26-Sep-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		4092634	JH	26-Sep-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4092640	MS	27-Sep-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4092640	MS	27-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4092640	MS	27-Sep-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			75.8 %	48.2-134		4092640	MS	27-Sep-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			70.6 %	49.1-148		4092640	MS	27-Sep-24	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: PLU CVX JV PC 11 Project Number: 03C1558321 Project Manager: DAVID MCINNIS Fax To:	Reported: 04-Oct-24 09:16
--------------------------------------------------------	------------------------------------------------------------------------------------------------------	------------------------------

**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 4092735 - 1:4 DI Water</b>										
<b>Blank (4092735-BLK1)</b>										
Prepared & Analyzed: 27-Sep-24										
Chloride	ND	16.0	mg/kg							
<b>LCS (4092735-BS1)</b>										
Prepared & Analyzed: 27-Sep-24										
Chloride	432	16.0	mg/kg	400		108	80-120			
<b>LCS Dup (4092735-BSD1)</b>										
Prepared & Analyzed: 27-Sep-24										
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: PLU CVX JV PC 11 Project Number: 03C1558321 Project Manager: DAVID MCINNIS Fax To:	Reported: 04-Oct-24 09:16
--------------------------------------------------------	------------------------------------------------------------------------------------------------------	------------------------------

**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 4092634 - Volatiles**

**Blank (4092634-BLK1)**

Prepared & Analyzed: 26-Sep-24

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)	0.0515		mg/kg	0.0500		103	71.5-134			

**LCS (4092634-BS1)**

Prepared & Analyzed: 26-Sep-24

Benzene	1.92	0.050	mg/kg	2.00		96.0	82.8-130			
Toluene	2.03	0.050	mg/kg	2.00		101	86-128			
Ethylbenzene	2.08	0.050	mg/kg	2.00		104	85.9-128			
m,p-Xylene	4.39	0.100	mg/kg	4.00		110	89-129			
o-Xylene	2.04	0.050	mg/kg	2.00		102	86.1-125			
Total Xylenes	6.43	0.150	mg/kg	6.00		107	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0502		mg/kg	0.0500		100	71.5-134			

**LCS Dup (4092634-BSD1)**

Prepared & Analyzed: 26-Sep-24

Benzene	1.86	0.050	mg/kg	2.00		93.1	82.8-130	3.04	15.8	
Toluene	1.98	0.050	mg/kg	2.00		98.8	86-128	2.64	15.9	
Ethylbenzene	2.03	0.050	mg/kg	2.00		102	85.9-128	2.30	16	
m,p-Xylene	4.31	0.100	mg/kg	4.00		108	89-129	1.79	16.2	
o-Xylene	2.01	0.050	mg/kg	2.00		100	86.1-125	1.70	16.7	
Total Xylenes	6.32	0.150	mg/kg	6.00		105	88.2-128	1.76	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0497		mg/kg	0.0500		99.5	71.5-134			

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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: PLU CVX JV PC 11 Project Number: 03C1558321 Project Manager: DAVID MCINNIS Fax To:	Reported: 04-Oct-24 09:16
--------------------------------------------------------	------------------------------------------------------------------------------------------------------	------------------------------

**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 4092640 - General Prep - Organics**

**Blank (4092640-BLK1)** Prepared: 26-Sep-24 Analyzed: 27-Sep-24

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	53.6		mg/kg	50.0		107	48.2-134			
Surrogate: 1-Chlorooctadecane	50.4		mg/kg	50.0		101	49.1-148			

**LCS (4092640-BS1)** Prepared & Analyzed: 26-Sep-24

GRO C6-C10	224	10.0	mg/kg	200		112	66.4-123			
DRO >C10-C28	215	10.0	mg/kg	200		108	66.5-118			
Total TPH C6-C28	440	10.0	mg/kg	400		110	77.6-123			
Surrogate: 1-Chlorooctane	58.9		mg/kg	50.0		118	48.2-134			
Surrogate: 1-Chlorooctadecane	57.5		mg/kg	50.0		115	49.1-148			

**LCS Dup (4092640-BSD1)** Prepared & Analyzed: 26-Sep-24

GRO C6-C10	221	10.0	mg/kg	200		110	66.4-123	1.62	17.7	
DRO >C10-C28	206	10.0	mg/kg	200		103	66.5-118	4.22	21	
Total TPH C6-C28	427	10.0	mg/kg	400		107	77.6-123	2.88	18.5	
Surrogate: 1-Chlorooctane	63.3		mg/kg	50.0		127	48.2-134			
Surrogate: 1-Chlorooctadecane	57.0		mg/kg	50.0		114	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

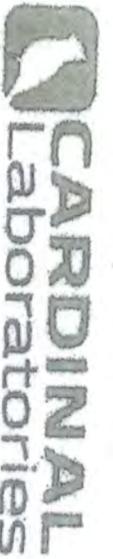
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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: **Ensochem, LLC**  
 Project Manager: **David M. Lewis**  
 Address: **600 Merland St STE 400**  
 City: **M. J. Lewis** State: **TX** Zip: **79701**  
 Phone #: **409-454-3809** Fax #: **409-454-3809**  
 Project #: **03C1558321** Project Owner:  
 Project Name: **PLU CVX TV PC11**  
 Project Location: **31-205624, -103904817**  
 Sampler Name: **David M. Lewis**  
 P.O. #: **XTO** Company: **Colton Brown**  
 Address: **3104 E. Green St**  
 City: **Carlsbad** State: **NM** Zip: **88220**  
 Phone #: **505-833-2200**

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTEX	Chloride
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H45871	BH03B *	3'	G	1	X	X	X	X	X	X	4/26/24	1324	X	X	X
2	55.09	0.5'	G	1	X	X	X	X	X	X	4/26/24	1326	X	X	X

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Relinquished By: **[Signature]** Date: **4/26/24** Time: **10:11**  
 Received By: **[Signature]** Date: **4/26/24** Time: **10:11**

Delivered By: (Circle One) **UPS - Bus - Other**  
 Sampler - UPS - Bus - Other  
 Observed Temp. °C: **4.32**  
 Sample Condition: **Yes** Cool **Yes** Invert **Yes**  
 Checked By: **[Signature]**  
 Corrosion Temp. °C: **3.72**  
 Corrosion Factor: **40%**

Remarks: **\* Customer requested ID changes**  
 CC: 113982101  
 Incident #: NAPP2461641673  
 Verbal Results:  Yes  No  
 All Results are emailed. Please provide Email address: **bee11@ensolm.com**  
 dms@ensolm.com, and rrisey@ensolm.com, k140n@ensolm.com  
 Turnaround Time: **24 hr**  
 Section (only) Sample Condition: **Yes**  
 Observed Temp. °C: **10/2/24**



---

**PLU CVX JV PC 11-nAPP2401641673**

---

**From** Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>

**Date** Fri 11/1/2024 4:59 PM

**To** Brown, Colton S <colton.s.brown@exxonmobil.com>

**Cc** Dirx, Kaylan <kaylan.dirx@exxonmobil.com>; Garcia, Amanda <amanda.garcia@exxonmobil.com>; Tacoma Morrissey <tmorrissey@ensolum.com>; Ben Belill <bbelill@ensolum.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

[ \*\*EXTERNAL EMAIL\*\* ]

Colton,

I realized it was a remediation plan and reviewed it as such. My apologies for accidentally putting closure on there. I hope you read the part about shallow perched water zones being considered groundwater. These are not part of the major aquifer structure and exist all over southeastern New Mexico. They can show up unexpectedly in various places and need to be considered. The Remediation Closure Report is unfortunately still denied.

A Clarification Document has been placed on the OCD website pertaining to frequently asked questions. The clarification for groundwater depth determination is listed below.

***IX. DETERMINING DEPTH TO GROUNDWATER:***

*a. The remediation levels provided in Table I are largely dependent upon depth to groundwater. As such, the OCD focuses upon depth to water estimation. 19.15.11(A)(2) NMAC allows for various means of determining depth to groundwater. If nearby wells are used, it is preferable if they are situated within ½-mile of the release, the water level information is no more than 25 years old, and well construction information is provided. If the water level information does not meet these criteria, the OCD may require boring to a limited depth for verification. If the operator has applicable information which does not meet the above preference, we will review it on a case by case basis to determine if it is acceptable.*

*b. If the water well information is representative of a confined aquifer (often described as “artesian”), the depth to water in the well will be considered the depth to the bottom of the upper confining layer, not the observed water level in the well.*

*c. It is important to note that wells installed for water supply purposes may not be screened across shallower, less-productive zones. Those less-productive zones might contain protectable water.*

Regards,

**Robert Hamlet** • Environmental Specialist - Advanced  
Environmental Bureau  
EMNRD - Oil Conservation Division  
506 W. Texas Ave. | Artesia, NM 88210  
575.909.0302 | [robert.hamlet@state.nm.us](mailto:robert.hamlet@state.nm.us)  
<http://www.emnrd.state.nm.us/OCD/>



**From:** Brown, Colton S <colton.s.brown@exxonmobil.com>  
**Sent:** Friday, November 1, 2024 2:28 PM  
**To:** Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>  
**Cc:** Dirx, Kaylan <kaylan.dirx@exxonmobil.com>; Garcia, Amanda <amanda.garcia@exxonmobil.com>; Tacoma Morrissey <tmorrissey@ensolum.com>; Ben Belill <bbelill@ensolum.com>  
**Subject:** [EXTERNAL] PLU CVX JV PC 11-nAPP2401641673

**CAUTION:** This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Dear Mr. Hamlet,

We appreciate your review of the report submitted for Incident Number nAPP2401641673, however, we have some questions about the response and denial. In addition, we would like to clarify that the report submitted was a Remediation Work Plan, and not a Closure as stated below. The portal reflects only a Work Plan and no closure request is mentioned in the report. Also attached is the work plan for this particular release.

In your response you note that "Depth to groundwater is not adequately identified" however, we provided a description of a thorough investigation of the available groundwater data in the region. The OCD Notice "Process Update re: Submissions of Form C-141 Release Notification and Corrective Actions" notes the following:

- If nearby wells are used, it is preferable if they are situated within ½-mile of the release, the water level information is no more than 25 years old, and well construction information is provided. If the water level information does not meet these criteria, the OCD may require boring to a limited depth for verification. If the operator has applicable information which does not meet the above preference, OCD will review it on a case-by-case basis to determine if it is acceptable.

The Work Plan provided additional applicable information, though it does not meet the OCD's preference, it does provide a strong argument that regional depth to groundwater is greater than 100 feet below ground surface.

The nearest well to the Site (USGS 321205103544701), is located just over the preferred distance, at 0.59 miles. In addition, there are 5 wells (USGS and NMOSE) within a 1.25 mile radius, in all cardinal directions, all of which confirm depth to water is greater than 100 feet below ground surface.

The nearest well to the Site USGS 321205103544701 does utilize data that again is just over the preferred age, at 26 years since the last measurement. However, the well has documented at least 40 years of groundwater data from that well, during that time the water level did not fluctuate more than 6.24 feet. It is highly unlikely that the depth to water in this area would have risen to less than 100 feet within the last 26 years. Consistent well water data in the region is supported by a soil boring (one of the 5 within a 1.25 mile radius, C-04676) located 0.71 miles from the Site and drilled in 2022 to a depth of 120 feet bgs. No groundwater was observed in the soil boring after a 72-hour waiting period.

Based on the thorough review of the information above, XTO believes it is reasonable to assume depth to groundwater is greater than 100 feet bgs at the subject Site. XTO also believes it has provided applicable information and request that the OCD review to determine if it is acceptable. If this data is not acceptable, please let us know what alternative data the OCD is willing to accept in lieu of a soil boring. Requiring a soil boring in this instance, when one drilled in 2022 is located just 0.2 miles from where another would likely be installed, seems like an unnecessary request that will further delay the remediation and Closure of this release.

XTO has proposed in the Work Plan to excavate impacted soil identified in the delineation soil samples, ensure sidewalls meet with reclamation requirement in the top 4 feet, and analyze all confirmation soil samples for all constituents of concern.

Based on the information reviewed here, and because XTO has proposed to address the top 4 feet of the release following the reclamation requirement, we would ask that you reconsider the review of the Work Plan and approve the proposed remedial actions as stated in the Work Plan.

Thank you

**Colton Brown**  
Wastewater Advisor

**ExxonMobil Upstream Company**  
3104 E. Greene St.  
Carlsbad, NM 88220  
Cell Phone: 575-988-2390  
[colton.s.brown@exxonmobil.com](mailto:colton.s.brown@exxonmobil.com)

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## APPENDIX B

### BLM Sundry Form and Correspondence

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U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

<b>Well Name:</b> POKER LAKE CVX JV PC	<b>Well Location:</b> T24S / R30E / SEC 21 / NWNE / 32.2101176 / -103.883852	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 11H	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMLC068431	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 300153976800S1	<b>Operator:</b> XTO PERMIAN OPERATING LLC	

**Notice of Intent**

**Sundry ID:** 2793044

**Type of Submission:** Notice of Intent

**Type of Action:** Other

**Date Sundry Submitted:** 05/30/2024

**Time Sundry Submitted:** 02:03

**Date proposed operation will begin:** 06/03/2024

**Procedure Description:** XTO Permian Operating LLC., respectfully requests access off pad in order to complete remediation activities related to Incident Number nAPP2401641673 which involves the PLU CVX JV PC 11H flowline release that occurred on January 8, 2024. Excavation of impacted soil is needed in pasture and right-of-way (ROW) areas where the release occurred, located approximately 1.25 miles west-southwest of the PLU CVX JV PC 11H facility pad. Heavy equipment (backhoe, trackhoe, front loader, hydro vacuum truck) will be utilized to complete the excavation. After successful completion of remediation efforts, the disturbed areas will be backfilled and recontoured to match pre-existing conditions and re-seeded with the recommended BLM seed mixture. Please see attached site maps.

**Surface Disturbance**

**Is any additional surface disturbance proposed?:** No

**NOI Attachments**

**Procedure Description**

PLU\_CVX\_JV\_PC\_11\_Map\_2\_20240530140152.pdf

PLU\_CVX\_JV\_PC\_11\_Land\_Access\_Site\_Map\_20240530140126.pdf

Well Name: POKER LAKE CVX JV PC

Well Location: T24S / R30E / SEC 21 / NWNE / 32.2101176 / -103.883852

County or Parish/State: EDDY / NM

Well Number: 11H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMLC068431

Unit or CA Name:

Unit or CA Number:

US Well Number: 300153976800S1

Operator: XTO PERMIAN OPERATING LLC

### Conditions of Approval

#### Specialist Review

PLU\_CVX\_JV\_PC\_11H\_FLOWLINE\_01\_20240530143246.docx

Seed\_Mixture\_2\_Sandy\_Sites\_20240530143222.doc

### Operator

*I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a*

Operator Electronic Signature: SHERRY MORROW

Signed on: MAY 30, 2024 02:02 PM

Name: XTO PERMIAN OPERATING LLC

Title: Regulatory Analyst

Street Address: 6401 HOLIDAY HILL ROAD BLDG 5

City: MIDLAND

State: TX

Phone: (432) 218-3671

Email address: SHERRY.MORROW@EXXONMOBIL.COM

### Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

### BLM Point of Contact

BLM POC Name: CRISHA A MORGAN

BLM POC Title: Environmental Protection Specialist

BLM POC Phone: 5752345987

BLM POC Email Address: camorgan@blm.gov

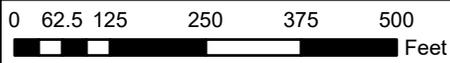
Disposition: Accepted

Disposition Date: 05/30/2024

Signature: CRISHA A. MORGAN

# Legend

-  Release Extent
-  Requested Disturbance Area



Sources: Environmental Systems Research Institute (ESRI)

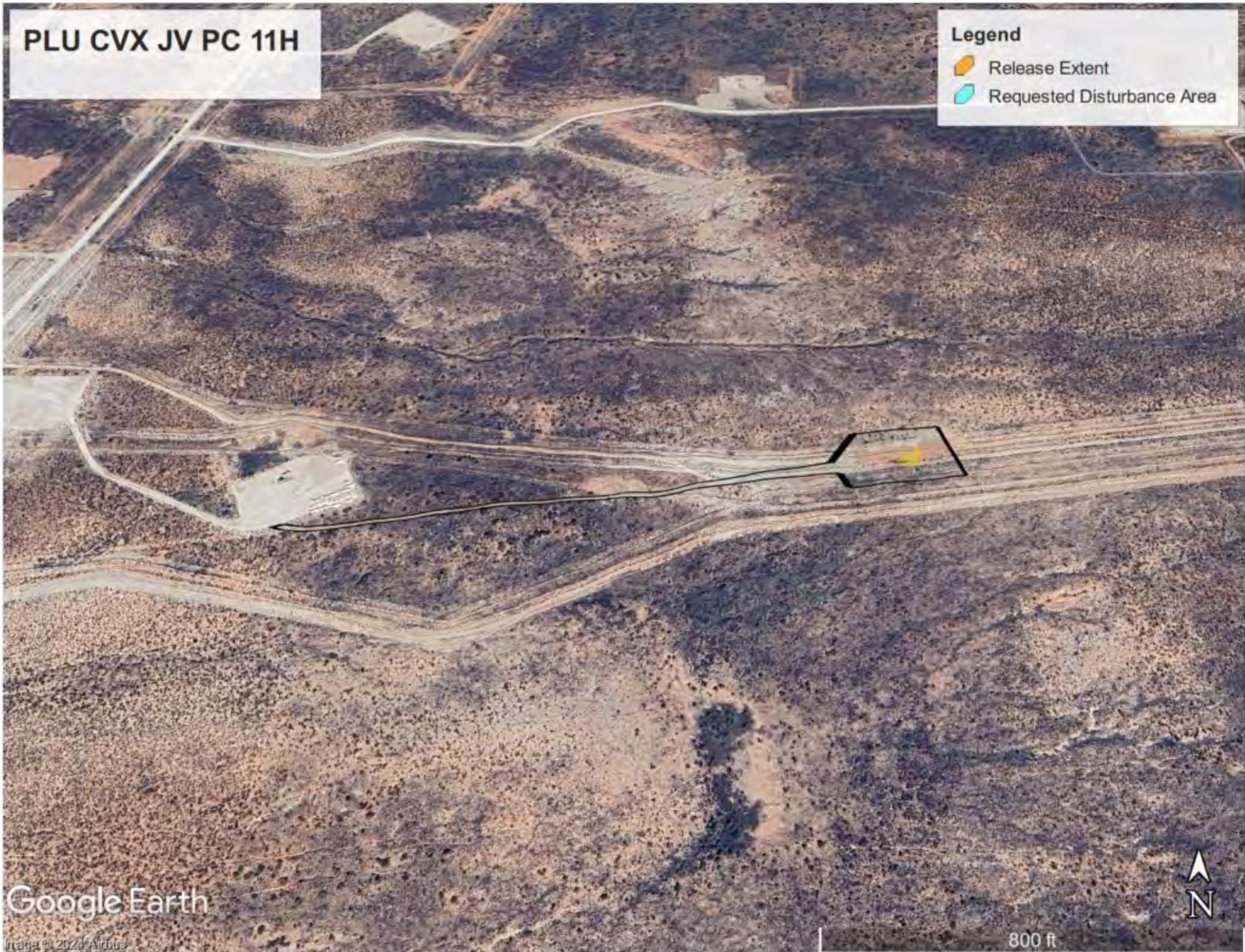


## Site Map

XTO Energy, Inc  
 PLU CVX JV PC 11  
 Incident Number: nAPP2401641673  
 Unit F, Section 20, Township 24 South, Range 30 East  
 Eddy County, New Mexico

# FIGURE

# 1



PLU CVX JV PC 11H FLOWLINE 01/08/2024

ENVIRONMENTAL IMPACT REVIEW:

BLM SURFACE/MINERALS

AN ARCH SURVEY WILL NEED TO BE COMPLETED BEFORE ANY DIRT WORK CAN BEGIN.

A BOTANY SURVEY WILL NEED TO BE COMPLETED BEFORE ANY DIRT WORK CAN BEGIN.

THIS LOCATION WILL REQUIRE BLM SEED MIXTURE #2 FOR SAND SITES. I HAVE ATTACHED A COPY FOR YOUR RECORDS.

Please let me know if you run into any issues, or have any more questions.

Thank you,

**Crisha A. Morgan** | Certified - Environmental Protection Specialist | Program Officer | COR | Spills Coordinator | Orphaned & Idled Well POC Lead  
Bureau of Land Management | Carlsbad Field Office  
620 E. Greene Street Carlsbad, NM 88220  
Cell 575-200-8648 | Office 575-234-5987 | [camorgan@blm.gov](mailto:camorgan@blm.gov)



**Seed Mixture 2, for Sandy Sites**

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)\* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law (s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed\* per acre:

<u>Species</u>	<u>lb/acre</u>
Sand dropseed (Sporobolus cryptandrus)	1.0
Sand love grass (Eragrostis trichodes)	1.0
Plains bristlegrass (Setaria macrostachya)	2.0

\*Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed



## APPENDIX C

### Photographic Log

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Photographic Log

XTO Energy, Inc  
PLU CVX JV PC 11  
NAPP2401641673



Photograph: 1 Date: 1/9/2024  
Description: Soil staining in release footprint  
View: East



Photograph: 2 Date: 3/5/2024  
Description: Soil staining in release footprint  
View: Southwest



Photograph: 3 Date: 4/24/2024  
Description: Soil staining in release foot print  
View: Southeast



Photograph: 4 Date: 9/26/2024  
Description: Core drilling activities  
View: Northeast



Photographic Log  
XTO Energy, Inc  
PLU CVX JV PC 11  
NAPP2401641673



Photograph: 5 Date: 11/19/2024  
Description: Ongoing excavation in ROW  
View: South



Photograph: 6 Date: 11/20/2024  
Description: Excavation extent  
View: East



Photograph: 7 Date: 11/20/2024  
Description: Excavation extent  
View: South



Photograph: 8 Date: 12/19/2024  
Description: Additional excavation at FS18  
View: West



## APPENDIX D

### Soil Disposal Manifests

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NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name David Byrd

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

(PLEASE PRINT) \*REQUIRED INFORMATION\*

**GENERATOR** NO. HW- 717260

Generator Manifest # X70 Location of Origin \_\_\_\_\_  
 Lease/Well \_\_\_\_\_  
 Generator Name \_\_\_\_\_ Name & No. PLY CUX JV AC #111  
 Address \_\_\_\_\_ County Project 03C158321  
 \_\_\_\_\_ API No. WAPP 2401641673  
 \_\_\_\_\_ City, State, Zip \_\_\_\_\_ Rig Name & No. CC 113922 1001  
 Phone No. \_\_\_\_\_ AFE/PO No. AA 30-015-69768

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

Oil Based Muds _____	<b>NON-INJECTABLE WATERS</b>	OTHER EXEMPT E&P WASTE STREAMS	
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____	<u>Dump Truck</u>	
Water Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____		
Water Based Cuttings _____	Produced Water (Non-Injectable) _____		
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____	TOP SOIL & CALICHE SALES	
Tank Bottoms _____	<b>INTERNAL USE ONLY</b>	QUANTITY	TOP SOIL
E&P Contaminated Soil _____	Truck Washout (exempt waste) YES _____ NO <u>(X)</u>	<u>10yrs</u>	CALICHE
Gas Plant Waste _____			

WASTE GENERATION PROCESS:  DRILLING  COMPLETION  PRODUCTION  GATHERING LINES

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

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

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

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

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

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

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

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

David Byrd (PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

**TRANSPORTER**

Transporter's Name SemTex mex Driver's Name Domingo Baeza  
 Address \_\_\_\_\_ Print Name Domingo Baeza  
 Phone No. \_\_\_\_\_ Phone No. 432-955-3819  
 Transporter Ticket # \_\_\_\_\_ Truck No. 59

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

11-15-24 Domingo Baeza 11-15-24 Domingo Baeza  
 SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

**DISPOSAL FACILITY**

TRUCK TIME STAMP IN: \_\_\_\_\_ OUT: \_\_\_\_\_ RECEIVING AREA Name/No. CF

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

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

**TANK BOTTOMS**

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

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

David Byrd NAME (PRINT) 11/15 DATE \_\_\_\_\_ TITLE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

Received by OCD: 1/28/2025 8:18:49 AM

Released to Imaging: 2/6/2025 9:43:22 AM



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name David Byrd

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

(PLEASE PRINT) \*REQUIRED INFORMATION\*

GENERATOR

NO. HW- 717261

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

Location of Origin  
Lease/Well Name & No. PLU CVX JV PC #11  
County Project n301550321  
API No. NAPP 2401641673  
Rig Name & No. CC 1139821001  
AFE/PO No. 30-015-69768

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)			
Oil Based Muds	_____	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	_____		
Water Based Muds	_____		
Water Based Cuttings	_____		
Produced Formation Solids	_____	Washout Water (Non-Injectable)	_____
Tank Bottoms	_____	Completion Fluid/Flow Back (Non-Injectable)	_____
E&P Contaminated Soil	_____	Produced Water (Non-Injectable)	_____
Gas Plant Waste	_____	Gathering Line Water/Waste (Non-Injectable)	_____
		INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
		Truck Washout (exempt waste)	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
WASTE GENERATION PROCESS:		QUANTITY	TOP SOIL CALICHE
<input type="checkbox"/> DRILLING	<input type="checkbox"/> COMPLETION	<u>10</u>	
<input checked="" type="checkbox"/> PRODUCTION	<input type="checkbox"/> GATHERING LINES		

Dump Trump

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

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

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

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

David Byrd

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

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

Driver's Name Domingo Baeza  
Print Name Domingo Baeza  
Phone No. 432-955-3819  
Truck No. 59

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

11-15-24 Domingo Baeza 11-15-24 Domingo Baeza  
SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
IN: _____ OUT: _____	Name/No. <u>711</u>	

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

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

TANK BOTTOMS

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

I hereby certify that the above load material has been (circle one): ACCEPTED  DENIED  If denied, why? \_\_\_\_\_  
NAME (PRINT) Domingo Baeza DATE 11/15 TITLE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

Received by OGD: 12/8/2025 8:18:49 AM

Released to Imaging: 2/6/2025 9:43:22 AM



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Name David Byrd

Phone No.

**GENERATOR** NO. **HW- 717262**

Generator Manifest # Xfo Location of Origin Plu Cvx JV PC #11

Generator Name \_\_\_\_\_ Lease/Well \_\_\_\_\_

Address \_\_\_\_\_ Name & No. Project 03C15-8321

City, State, Zip \_\_\_\_\_ County NMPP 2401641673

Phone No. \_\_\_\_\_ API No. CC 1139821001

Rig Name & No. \_\_\_\_\_ AFE/PO No. 20-015-69768

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

Oil Based Muds _____	<b>NON-INJECTABLE WATERS</b>	<b>OTHER EXEMPT E&amp;P WASTE STREAMS</b>	
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____	<u>Dump Truck</u>	
Water Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____		
Water Based Cuttings _____	Produced Water (Non-Injectable) _____		
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____		
Tank Bottoms _____	<b>INTERNAL USE ONLY</b>	<b>TOP SOIL &amp; CALICHE SALES</b>	
E&P Contaminated Soil <input checked="" type="checkbox"/>	Truck Washout (exempt waste) YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	QUANTITY <u>10</u>	TOP SOIL _____ CALICHE _____
Gas Plant Waste _____			

WASTE GENERATION PROCESS:  DRILLING  COMPLETION  PRODUCTION  GATHERING LINES

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

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

DISPOSAL QUANTITY B - BARRELS L - LIQUID 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)

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

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

**TRANSPORTER**

Transporter's Name Semtex mex Driver's Name Dominica Baeza

Address \_\_\_\_\_ Print Name Dominica Baeza

Phone No. \_\_\_\_\_ Phone No. 432-955-3819

Transporter Ticket # \_\_\_\_\_ Truck No. 59

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

11-15-24 Dominica Baeza 11-15-24 Dominica Baeza  
SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

**TRUCK TIME STAMP** **DISPOSAL FACILITY** **RECEIVING AREA**

IN: \_\_\_\_\_ OUT: \_\_\_\_\_ Name/No. 28

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

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

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

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

**TANK BOTTOMS**

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

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

David Byrd 11/15 DM \_\_\_\_\_  
NAME (PRINT) DATE TITLE SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Name: David  
Phone No. 5411d

**GENERATOR** NO. HW-595606

Generator Manifest # X TO Location of Origin PLY CUX JV PC 11 #

Generator Name \_\_\_\_\_ Name & No. \_\_\_\_\_

Address \_\_\_\_\_ County Edhy

City, State, Zip \_\_\_\_\_ API No. 30-1015-69768

Phone No. \_\_\_\_\_ RIG Name & No. \_\_\_\_\_

AFE/PO No. 03C1558321

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

Oil Based Muds _____	<b>NON-INJECTABLE WATERS</b>	<b>OTHER EXEMPT E&amp;P WASTE STREAMS</b>	
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____		
Waste Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____		
Water Based Cuttings _____	Produced Water (Non-Injectable) _____		
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____		
Tank Bottoms _____	<b>INTERNAL USE ONLY</b>	<b>TOP SOIL &amp; CALICHE SALES</b>	
E&P Contaminated Soil <u>✓</u>	Truck Washout (exempt waste) <u>YES</u> <input type="checkbox"/> NO	QUANTITY <u>5</u>	<input checked="" type="checkbox"/> TOP SOIL <input type="checkbox"/> CALICHE
Gas Plant Waste _____			

WASTE GENERATION PROCESS:  DRILLING  COMPLETION  PRODUCTION  GATHERING LINES

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

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

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

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

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

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

**TRANSPORTER**

Transporter's Name Sem Tex Mex Driver's Name Michael Boeza

Address 113 SWAVEC Seminole Tx Print Name \_\_\_\_\_

Phone No. 432-209-9447 Phone No. 432-209-4709

Transporter Ticket # 696605 Truck No. #130

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 11/15 DRIVER'S SIGNATURE Michael Boeza

<b>TRUCK TIME STAMP</b>	<b>DISPOSAL FACILITY</b>	<b>RECEIVING AREA</b>
IN: _____ OUT: _____	Name/No. <u>10</u>	

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

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

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

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

**TANK BOTTOMS**

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

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

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

Received by OCD: 1/28/2025 8:18:49 AM

Released to Imaging: 2/6/2025 9:43:22 AM



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information  
Name David Byrd  
Phone No. 575-988-448

(PLEASE PRINT) \*REQUIRED INFORMATION\*

**GENERATOR** NO. HW-596605

Generator Manifest # X TO Location of Origin PLU CUX JV PC II #

Generator Name \_\_\_\_\_ Lease/Well \_\_\_\_\_

Address \_\_\_\_\_ Name & No. \_\_\_\_\_

City, State, Zip \_\_\_\_\_ County Elddy

Phone No. \_\_\_\_\_ API No. 30-015-69768

Rig Name & No. \_\_\_\_\_ AFE/PO No. 03C1558321

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

Oil Based Muds	_____	<b>NON-INJECTABLE WATERS</b>	_____	<b>OTHER EXEMPT E&amp;P WASTE STREAMS</b>	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Waste Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	<b>INTERNAL USE ONLY</b>	_____	<b>TOP SOIL &amp; CALICHE SALES</b>	_____
E&P Contaminated Soil	<input checked="" type="checkbox"/>	Truck Washout (exempt waste)	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	QUANTITY	<u>5</u> <b>TOP SOIL</b> <input type="checkbox"/> CALICHE
Gas Plant Waste	_____				

WASTE GENERATION PROCESS:  DRILLING  COMPLETION  PRODUCTION  GATHERING LINES

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

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

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

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

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

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

**TRANSPORTER**

Transporter's Name Sem Tex Mex Driver's Name Michael Boera

Address 113 SW AVE C Seminole TX Print Name Michael Boera

Phone No. 432-209-9447 Phone No. 432-209-4709

Transporter Ticket # 696605 Truck No. # 30

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

SHIPMENT DATE \_\_\_\_\_ DRIVER'S SIGNATURE \_\_\_\_\_ DELIVERY DATE \_\_\_\_\_ DRIVER'S SIGNATURE \_\_\_\_\_

<b>TRUCK TIME STAMP</b>	<b>DISPOSAL FACILITY</b>	<b>RECEIVING AREA</b>
IN: _____ OUT: _____	Name/No. <u>19 W10</u>	

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

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

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

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

**TANK BOTTOMS**

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

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

NAME (PRINT) \_\_\_\_\_ DATE 11-14-24 TITLE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

Received by OCD: 1/28/2025 8:18:49 AM

Released to Imaging: 2/6/2025 9:43:22 AM



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name David Byrd

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

(PLEASE PRINT) \*REQUIRED INFORMATION\*

**GENERATOR**

Generator Manifest # X TO NO. HW-596607

Generator Name \_\_\_\_\_ Location of Origin PLU CVX JU PC 11H

Address \_\_\_\_\_ Lease/Well Name & No. \_\_\_\_\_

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

Phone No. \_\_\_\_\_ API No. 30-015-69768

Rig Name & No. \_\_\_\_\_ AFE/PO No. \_\_\_\_\_

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

Oil Based Muds	_____	<b>NON-INJECTABLE WATERS</b>	_____	<b>OTHER EXEMPT E&amp;P WASTE STREAMS</b>	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Waste Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	<b>INTERNAL USE ONLY</b>	_____	<b>TOP SOIL &amp; CALICHE SALES</b>	_____
E&P Contaminated Soil	<input checked="" type="checkbox"/>	Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY	<u>3</u> (TOP SOIL) CALICHE
Gas Plant Waste	_____				

WASTE GENERATION PROCESS:  DRILLING  COMPLETION  PRODUCTION  GATHERING LINES

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

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

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

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

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

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

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

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

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

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

**TRANSPORTER**

Transporter's Name Sem Tex Mex Driver's Name Michael Breza

Address 1113 SW AVEC Seminole TX Print Name Michael Breza

Phone No. 432-209-9497 Phone No. 432-209-4709

Transporter Ticket # 696607 Truck No. 30

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

SHIPMENT DATE 11-18-24 DRIVER'S SIGNATURE Michael Breza DELIVERY DATE \_\_\_\_\_ DRIVER'S SIGNATURE \_\_\_\_\_

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

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

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

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

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

**TANK BOTTOMS**

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

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

Received by OGD: 12/8/2025 8:18:49 AM

Released to Imaging: 2/6/2025 9:43:22 AM



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name Restate

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

<b>GENERATOR</b>		NO. <b>AD-0014942</b>
Generator Manifest #: <u>X10</u>	Location of Origin <u>Pho</u>	
Generator Name _____	Lease/Well Name & No. <u>CVX JV, PC # 11H</u>	
Address _____	County <u>Lincoln</u>	
City, State, Zip _____	API No. <u>30-015-1497108</u>	
Phone No. _____	Rig Name & No. <u>0361358321</u>	
	AFE/PO No. <u>11172906416B</u>	

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

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

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

DISPOSAL QUANTITY: B - BARRELS \_\_\_\_\_ L - LIQUID 20 Y - YARDS 1 E - EACH \_\_\_\_\_

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

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

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

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

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

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

<b>TRANSPORTER</b>	
Transporter's Name <u>Sam Tex mex</u>	Driver's Name <u>Gilbert Hrach</u>
Address _____	Print Name _____
Phone No. <u>432-209-4230</u>	Phone No. _____
Transporter Ticket # _____	Truck No. <u>38 Bettydumy</u>

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

SHIPMENT DATE _____	DRIVER'S SIGNATURE _____	DELIVERY DATE _____	DRIVER'S SIGNATURE _____
<b>TRUCK TIME STAMP</b>	<b>DISPOSAL FACILITY</b>	<b>RECEIVING AREA</b>	
IN: _____ OUT: _____	Name/No. <u>Je</u>		
Site Name/Permit No. <u>Antelope Draw Facility - Permit #</u>	Phone No. <u>575-236-1734</u>		
Address <u>476 Battle Axe Rd., Jal, NM 88252</u>			
NORM READINGS TAKEN? (Circle One) YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	If YES, was reading > 50 micro roentgens? (circle one) YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
PASS THE PAINT FILTER TEST? (Circle One) YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			

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

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

NAME (PRINT) Restate DATE 11/20/2025 TITLE \_\_\_\_\_ SIGNATURE \_\_\_\_\_



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Name Rent Act

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

**GENERATOR** NO. HW- 682252

Generator Manifest # XTO Location of Origin Phu

Generator Name \_\_\_\_\_ Lease/Well \_\_\_\_\_

Address \_\_\_\_\_ Name & No. CVX JV PH # 124

City, State, Zip \_\_\_\_\_ County EMERY 113952100

Phone No. \_\_\_\_\_ API No. 30-015-19768

\_\_\_\_\_ Rig Name & No. 0341558321

\_\_\_\_\_ AFE/PO No. 112002901641673

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

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

WASTE GENERATION PROCESS:  DRILLING  COMPLETION  PRODUCTION  GATHERING LINES

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

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

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

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

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

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

**TRANSPORTER**

Transporter's Name Som Tex mrv Driver's Name Wilbert Hancock

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

Phone No. 432-209-4230 Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_ Truck No. 38 Betty 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 \_\_\_\_\_ DRIVER'S SIGNATURE \_\_\_\_\_ DELIVERY DATE 11-22-24 DRIVER'S SIGNATURE \_\_\_\_\_

**TRUCK TIME STAMP** IN: \_\_\_\_\_ OUT: \_\_\_\_\_

**DISPOSAL FACILITY** RECEIVING AREA Name/No. 88

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

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

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

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

**TANK BOTTOMS**

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

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

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

Received by OGD: 12/8/2025 8:18:49 AM

Released to Imaging: 2/6/2025 9:43:22 AM



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Name Kent Reiz

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

GENERATOR

NO. HW-708641

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

Location of Origin PLU CUX SUP # 174  
Lease/Well Name & No. Geddy  
County Tarrant NAD 2401641673  
API No. 30-015-69768  
Rig Name & No. CC 139821001  
AFE/PO No. \_\_\_\_\_

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

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

WASTE GENERATION PROCESS:  DRILLING  COMPLETION  PRODUCTION  GATHERING LINES

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

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

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

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

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

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

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

TRANSPORTER

Transporter's Name Sen Tex Mex  
Address \_\_\_\_\_  
Phone No. (432) 209-4230  
Transporter Ticket # \_\_\_\_\_

Driver's Name Adrian Hines  
Print Name Adrian Hines  
Phone No. \_\_\_\_\_  
Truck No. 29645

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 11/22/24 DRIVER'S SIGNATURE Adrian Hines DELIVERY DATE 11/22/24 DRIVER'S SIGNATURE Adrian Hines

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_ Name/No. 78

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

Phone No. 575-392-6368

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

TANK BOTTOMS

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

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



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Name Kent Reitz

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

GENERATOR

NO. HW-708637

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

Location of Origin PLU CUX JUPC #11H  
Lease/Well Name & No. Eddy  
County Ta. Loc: 1APP24-01641673  
API No. 30-015-69768  
Rig Name & No. CC-1139821001  
AFE/PO No. \_\_\_\_\_

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

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

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

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

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

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

TRANSPORTER

Transporter's Name Sen Ter Mex  
Address \_\_\_\_\_  
Phone No. (432) 204-4230  
Transporter Ticket # \_\_\_\_\_

Driver's Name Adrian Wilson  
Print Name Adrian Wilson  
Phone No. \_\_\_\_\_  
Truck No. 296045

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 11/22/24 DRIVER'S SIGNATURE [Signature] DELIVERY DATE 11/22/24 DRIVER'S SIGNATURE [Signature]

TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
IN: _____ OUT: _____	Name/No. <u>20</u>	

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

Phone No. 575-392-6368

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

TANK BOTTOMS

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

I hereby certify that the above load material has been (circle one):  
ACCEPTED  DENIED   
NAME (PRINT) [Signature] DATE 11-22-24 TITLE [Signature] SIGNATURE \_\_\_\_\_



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Name Kent Kent

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

GENERATOR

NO. HW-708630

Generator Manifest # 470  
Generator Name \_\_\_\_\_  
Address \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Phone No. \_\_\_\_\_

Location of Origin PLU CWX SUPC # 44  
Lease/Well Name & No. Eddy  
County Encantado NM 2461641 673  
API No. 30-015-69768  
Rig Name & No. CC 113982101  
AFE/PO No. \_\_\_\_\_

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

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

WASTE GENERATION PROCESS:  DRILLING  COMPLETION  PRODUCTION  GATHERING LINES

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

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

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

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

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

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

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Sam Tex Mex  
Address \_\_\_\_\_  
Phone No. (432) 209-4230  
Transporter Ticket # \_\_\_\_\_

Driver's Name Adrian Luna  
Print Name Adrian Luna  
Phone No. \_\_\_\_\_  
Truck No. 296045

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 11/22/24

DRIVER'S SIGNATURE Adrian Luna

DELIVERY DATE 11/22/24

DRIVER'S SIGNATURE Adrian Luna

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

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

Name/No. 29

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

Phone No. 575-392-6368

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

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

TANK BOTTOMS

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

I hereby certify that the above load material has been (circle one):  
ACCEPTED 11/22/24 REC If denied, why? MANUAL

NAME (PRINT)

DATE

TITLE

SIGNATURE

Received by: OCD, J/28/2025 8:18:49 AM

Released to Imaging: 2/6/2025 9:43:22 AM



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name David Byrd

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

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Generator Manifest # X70 **GENERATOR** NO. HW- 718207

Generator Name \_\_\_\_\_ Location of Origin \_\_\_\_\_  
 Address \_\_\_\_\_ Lease/Well \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_ Name & No. PLUCVXTWPC411H  
 Phone No. \_\_\_\_\_ County Project: 03C1558821  
 \_\_\_\_\_ API No. API: 30-015-69768  
 \_\_\_\_\_ RIG Name & No. CC-1139221001  
 \_\_\_\_\_ AFE/PO No. Incident # APP2401641672

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

WASTE GENERATION PROCESS:  DRILLING  COMPLETION  PRODUCTION  GATHERING LINES

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

DISPOSAL QUANTITY	B - BARRELS	L - LIQUID	<u>Y-YARDS</u> <u>12</u>	E - EACH
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I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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

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

**TRANSPORTER**

Transporter's Name Sentex Mex Driver's Name Corny Reimer  
 Address \_\_\_\_\_ Print Name \_\_\_\_\_  
 Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_  
 Transporter Ticket # \_\_\_\_\_ Truck No. 1

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 11-23-24 DRIVER'S SIGNATURE Corny Reimer

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

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

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

**TANK BOTTOMS**

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

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? \_\_\_\_\_  
 NAME (PRINT) gjb DATE 11-22-24 TITLE IC SIGNATURE \_\_\_\_\_

Received by OCD: 1/28/2025 8:18:49 AM

Released to Imaging: 2/6/2025 9:43:22 AM



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name David Byrd

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

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Generator Manifest # X70 **GENERATOR** NO. HW-718206

Generator Name \_\_\_\_\_ Location of Origin \_\_\_\_\_  
 Address \_\_\_\_\_ Lease/Well Name & No. PLUCVXJUPCHHH  
 City, State, Zip \_\_\_\_\_ County Project-03C1558311  
 Phone No. \_\_\_\_\_ API No. AP:20-015-69768  
 \_\_\_\_\_ Rig Name & No. CC-1139821001  
 \_\_\_\_\_ AFE/PO No. Incident: UAPP9901691673

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

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

WASTE GENERATION PROCESS:  DRILLING  COMPLETION  PRODUCTION  GATHERING LINES

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

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

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS 19 E - EACH

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

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

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

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

**TRANSPORTER**

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

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

SHIPMENT DATE \_\_\_\_\_ DRIVER'S SIGNATURE \_\_\_\_\_ DELIVERY DATE 11-20-24 DRIVER'S SIGNATURE Gaul Jones

TRUCK TIME STAMP IN: \_\_\_\_\_ OUT: \_\_\_\_\_

**DISPOSAL FACILITY** RECEIVING AREA 28  
 Name/No. \_\_\_\_\_

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

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

**TANK BOTTOMS**

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

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

NAME (PRINT) Sentex DATE 11/20/24 TITLE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

Received by OCD: 1/28/2025 8:18:49 AM

Released to Imaging: 2/6/2025 9:43:22 AM



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Name: Kent Retz

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

**GENERATOR** NO. HW-717080

Generator Manifest # X70 Location of Origin \_\_\_\_\_  
 Generator Name \_\_\_\_\_ Lease/Well \_\_\_\_\_  
 Address \_\_\_\_\_ Name & No. PLU CVX JV PC 11 H  
 City, State, Zip \_\_\_\_\_ County 0301558321  
 Phone No. \_\_\_\_\_ API No. 30-015-69768  
 Rig Name & No. 2401641673  
 AFE/PO No. 139821001

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

Oil Based Muds _____	<b>NON-INJECTABLE WATERS</b>	<b>OTHER EXEMPT E&amp;P WASTE STREAMS</b>	
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____	<u>Belly Dump</u>	
Water Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____		
Water Based Cuttings _____	Produced Water (Non-Injectable) _____		
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____		
Tank Bottoms _____	<b>INTERNAL USE ONLY</b>	<b>TOP SOIL &amp; CALICHE SALES</b>	
E&P Contaminated Soil <u>20</u>	Truck Washout (exempt waste) YES _____ NO _____	QUANTITY _____	TOP SOIL _____ CALICHE _____
Gas Plant Waste _____			

WASTE GENERATION PROCESS:  DRILLING  COMPLETION  PRODUCTION  GATHERING LINES

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

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

DISPOSAL QUANTITY: \_\_\_\_\_ B - BARRELS \_\_\_\_\_ L - LIQUID \_\_\_\_\_ 90 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)

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

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

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

**TRANSPORTER**

Transporter's Name Sen Tex Mex Driver's Name Peter  
 Address \_\_\_\_\_ Print Name \_\_\_\_\_  
 Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_  
 Transporter Ticket # \_\_\_\_\_ Truck No. 102

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 11 29 24 DRIVER'S SIGNATURE Peter Thresser

**TRUCK TIME STAMP** IN: \_\_\_\_\_ OUT: \_\_\_\_\_

**DISPOSAL FACILITY** Name/No. 28

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

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

**TANK BOTTOMS**

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

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

NAME (PRINT) \_\_\_\_\_ DATE 11 29 24 TITLE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

Received by OGD: 1/28/2025 8:18:49 AM

Released to Imaging: 2/6/2025 9:43:22 AM



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name: Kent Betz

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

(PLEASE PRINT) \*REQUIRED INFORMATION\*

**GENERATOR** NO. HW-717079

Generator Manifest # X70 Location of Origin \_\_\_\_\_  
 Lease/Well \_\_\_\_\_  
 Generator Name \_\_\_\_\_ Name & No. PLU CVX JV PC 11H  
 Address \_\_\_\_\_ County 0301558321  
 \_\_\_\_\_ API No. 30-015-69768  
 \_\_\_\_\_ City, State, Zip \_\_\_\_\_ Rig Name & No. 2401641673  
 Phone No. \_\_\_\_\_ AFE/PO No. 1139821001

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

Oil Based Muds _____	<b>NON-INJECTABLE WATERS</b>	<b>OTHER EXEMPT E&amp;P WASTE STREAMS</b>	
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____	<u>Belly Dump</u>	
Water Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____		
Water Based Cuttings _____	Produced Water (Non-Injectable) _____		
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____	TOP SOIL & CALICHE SALES	
Tank Bottoms _____	<b>INTERNAL USE ONLY</b>	QUANTITY	TOP SOIL CALICHE
E&P Contaminated Soil <u>20</u>	Truck Washout (exempt waste) YES NO		
Gas Plant Waste _____			

WASTE GENERATION PROCESS:  DRILLING  COMPLETION  PRODUCTION  GATHERING LINES

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

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

DISPOSAL QUANTITY: B - BARRELS \_\_\_\_\_ L - LIQUID 90 Y - YARDS \_\_\_\_\_ E - EACH \_\_\_\_\_

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

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

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

**TRANSPORTER**

Transporter's Name Sea Tex Mex Driver's Name Peter  
 Address \_\_\_\_\_ Print Name \_\_\_\_\_  
 Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_  
 Transporter Ticket # \_\_\_\_\_ Truck No. 108

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 11 29 24 DRIVER'S SIGNATURE Peter Thompson

**TRUCK TIME STAMP** IN: \_\_\_\_\_ OUT: \_\_\_\_\_

**DISPOSAL FACILITY** Name/No. [Signature]

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

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

**TANK BOTTOMS**

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

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

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

Received by OCD: 1/28/2025 8:18:49 AM

Released to Imaging: 2/6/2025 9:43:22 AM



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information  
Name: Rent Retz  
Phone No. \_\_\_\_\_

(PLEASE PRINT) \*REQUIRED INFORMATION\*

<b>GENERATOR</b>		NO. <b>HW-717078</b>
Generator Manifest # <u>X70</u>	Location of Origin Lease/Well Name & No. <u>PLUCYXJV PC 11A</u>	
Generator Name _____	County <u>03C1558321</u>	
Address _____	API No. <u>30-015-69768</u>	
City, State, Zip _____	Rig Name & No. <u>2401641673</u>	
Phone No. _____	AFE/PO No. <u>1139821001</u>	

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)			
Oil Based Muds _____	<b>NON-INJECTABLE WATERS</b>	<b>OTHER EXEMPT E&amp;P WASTE STREAMS</b>	
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____	<u>Belly Dump</u>	
Water Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____		
Water Based Cuttings _____	Produced Water (Non-Injectable) _____		
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____		
Tank Bottoms _____	<b>INTERNAL USE ONLY</b>	<b>TOP SOIL &amp; CALICHE SALES</b>	
E&P Contaminated Soil <u>20</u>	Truck Washout (exempt waste) YES _____ NO _____	QUANTITY _____	TOP SOIL _____ CALICHE _____
Gas Plant Waste _____			

WASTE GENERATION PROCESS:  DRILLING  COMPLETION  PRODUCTION  GATHERING LINES

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

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

DISPOSAL QUANTITY: \_\_\_\_\_ B - BARRELS \_\_\_\_\_ L - LIQUID \_\_\_\_\_ 30 Y - YARDS \_\_\_\_\_ E - EACH \_\_\_\_\_

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

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

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

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

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

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

<b>TRANSPORTER</b>	
Transporter's Name <u>Sen Tex Mex</u>	Driver's Name <u>Peter</u>
Address _____	Print Name _____
Phone No. _____	Phone No. _____
Transporter Ticket # _____	Truck No. <u>109</u>

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

SHIPMENT DATE \_\_\_\_\_ DRIVER'S SIGNATURE \_\_\_\_\_ DELIVERY DATE 11 29 24 DRIVER'S SIGNATURE Peter Thross

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

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

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

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

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

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

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

NAME (PRINT) [Signature] DATE 11-27-24 TITLE [Signature] SIGNATURE [Signature]



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information  
Name David Byrd  
Phone No. \_\_\_\_\_

(PLEASE PRINT) \*REQUIRED INFORMATION\*

<b>GENERATOR</b>		NO. <u>HW- 717263</u>
Generator Manifest # <u>X+0</u>	Location of Origin Lease/Well Name & No. <u>PLU CVX JV PC #11H</u>	
Generator Name _____	County <u>Project 03C1552221</u>	
Address _____	API No. <u>30-015-69768</u>	
City, State, Zip _____	Rig Name & No. <u>CC 1139821001</u>	
Phone No. _____	A/E/PO No. <u>incident NAPP 2401641673</u>	

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)			
Oil Based Muds _____	<b>NON-INJECTABLE WATERS</b>	<b>OTHER EXEMPT E&amp;P WASTE STREAMS</b>	
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____	<u>Dump Truck</u>	
Water Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____		
Water Based Cuttings _____	Produced Water (Non-Injectable) _____		
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____		
Tank Bottoms _____	<b>INTERNAL USE ONLY</b>	<b>TOP SOIL &amp; CALICHE SALES</b>	
E&P Contaminated Soil <input checked="" type="checkbox"/>	Truck Washout (exempt waste) YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	QUANTITY <u>10</u>	TOP SOIL CALICHE
Gas Plant Waste _____			

WASTE GENERATION PROCESS:  DRILLING  COMPLETION  PRODUCTION  GATHERING LINES

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

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

DISPOSAL QUANTITY: B - BARRELS \_\_\_\_\_ L - LIQUID 10 Y - YARDS \_\_\_\_\_ E - EACH \_\_\_\_\_

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

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

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

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

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

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

<b>TRANSPORTER</b>	
Transporter's Name <u>SEMTEX MEX</u>	Driver's Name <u>Domingo Baeza</u>
Address _____	Print Name <u>Domingo Baeza</u>
Phone No. _____	Phone No. <u>432-955-3819</u>
Transporter Ticket # _____	Truck No. <u>59</u>

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

11-18-24 Domingo Baeza 11-18-24 Domingo Baeza  
SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

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

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

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

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

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

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

I hereby certify that the above load material has been (circle one): ACCEPTED 11/18/24 APM AP  
NAME (PRINT) \_\_\_\_\_ DATE \_\_\_\_\_ TITLE \_\_\_\_\_ SIGNATURE \_\_\_\_\_



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Name David Byrd

Phone No.

GENERATOR

NO. HW- 717264

Generator Manifest # X+0
Generator Name
Address
City, State, Zip
Phone No.

Location of Origin
Lease/Well
Name & No. PLU OUX JV PC # 11 H
County Project D3C15-2221
API No. 3a-015-69768
Rig Name & No. CS 1139221001
AFE/PO No. Incident NAPP 2401641673

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

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.), service types (NON-INJECTABLE WATERS, INTERNAL USE ONLY), and disposal methods (DUMP TRUCK, TOP SOIL & CALICHE SALES).

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS 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.
MSDS Information
RCRA Hazardous Waste Analysis
Other (Provide Description Below)
EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

David Byrd (PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name Semtex mex
Address
Phone No.
Transporter Ticket #

Driver's Name Domingo Palera
Print Name Domingo Palera
Phone No. 432-955-3819
Truck No. 59

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

11-18-24 SHIPMENT DATE Domingo Palera DRIVER'S SIGNATURE 11-18-24 DELIVERY DATE Domingo Palera DRIVER'S SIGNATURE

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

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

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

TANK BOTTOMS

Table for Tank Bottoms with columns for Feet, Inches, BS&W/BBLS Received, Free Water, Total 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



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Name Kent Retz

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

**GENERATOR** NO. HW-717405

Generator Manifest # XTO Location of Origin PLU CVX JV PC# 11 H

Generator Name \_\_\_\_\_ Lease/Well \_\_\_\_\_

Address \_\_\_\_\_ Name & No. XTO 03C1558321

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

Phone No. \_\_\_\_\_ API No. 30-015-69768

\_\_\_\_\_ Rig Name & No. VAPP 2401641673

\_\_\_\_\_ AFE/PO No. C.C. 1139821001

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

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

WASTE GENERATION PROCESS:  DRILLING  COMPLETION  PRODUCTION  GATHERING LINES

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

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

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

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

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

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

**TRANSPORTER**

Transporter's Name Sem Tex Mex Driver's Name Tad Curry

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

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

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

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

SHIPMENT DATE \_\_\_\_\_ DRIVER'S SIGNATURE \_\_\_\_\_ DELIVERY DATE 11-22-24 DRIVER'S SIGNATURE \_\_\_\_\_

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

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

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

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

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

**TANK BOTTOMS**

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

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

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



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Name Kent Reitz

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

GENERATOR

NO. HW-719426

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

Location of Origin PLUCVX JV PC 11H  
Lease/Well Name & No. XTO 03C1558321  
County Eddy  
API No. 30-015-69768  
Rig Name & No. WAPP2401641673  
AFE/PO No. C.G. 1159821001

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

Oil Based Muds	_____	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	6
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	_____	Produced Water (Non-Injectable)	
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	_____	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	<u>X</u>	Truck Washout (exempt waste)	QUANTITY
Gas Plant Waste	_____	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	TOP SOIL
			CALICHE

WASTE GENERATION PROCESS:  DRILLING  COMPLETION  PRODUCTION  GATHERING LINES

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

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

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

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

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

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

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

DATE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

TRANSPORTER

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

Driver's Name Tad Curry  
Print Name \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Truck No. 62 Betty

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 11-22-24

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

TRUCK TIME STAMP

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

DISPOSAL FACILITY

RECEIVING AREA

Name/No. [Signature]

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

Phone No. 575-392-6368

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

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

TANK BOTTOMS

	Feet	Inches
1st Gauge	_____	_____
2nd Gauge	_____	_____
3rd Gauge	_____	_____

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

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



## APPENDIX E

### Laboratory Analytical Reports & Chain of Custody Documentation

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

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November 25, 2024

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU CVX JV PC 11

Enclosed are the results of analyses for samples received by the laboratory on 11/21/24 13:30.

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/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder".

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/19/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: FS 01 (H247125-01)**

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	11/22/2024	ND	2.30	115	2.00	3.30	
Toluene*	<0.050	0.050	11/22/2024	ND	2.19	109	2.00	3.62	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.18	109	2.00	4.12	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.47	108	6.00	3.89	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/25/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2024	ND	204	102	200	1.90	
<b>DRO &gt;C10-C28*</b>	<b>55.2</b>	10.0	11/22/2024	ND	187	93.5	200	0.782	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/19/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: FS 02 (H247125-02)**

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	11/22/2024	ND	2.30	115	2.00	3.30	
Toluene*	<0.050	0.050	11/22/2024	ND	2.19	109	2.00	3.62	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.18	109	2.00	4.12	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.47	108	6.00	3.89	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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
<b>Chloride</b>	<b>208</b>	16.0	11/25/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2024	ND	204	102	200	1.90	
<b>DRO &gt;C10-C28*</b>	<b>37.9</b>	10.0	11/22/2024	ND	187	93.5	200	0.782	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/19/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: FS 03 (H247125-03)**

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	11/22/2024	ND	2.30	115	2.00	3.30	
Toluene*	<0.050	0.050	11/22/2024	ND	2.19	109	2.00	3.62	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.18	109	2.00	4.12	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.47	108	6.00	3.89	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/25/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2024	ND	204	102	200	1.90	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	187	93.5	200	0.782	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/19/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: FS 04 (H247125-04)**

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	11/22/2024	ND	2.30	115	2.00	3.30	
Toluene*	<0.050	0.050	11/22/2024	ND	2.19	109	2.00	3.62	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.18	109	2.00	4.12	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.47	108	6.00	3.89	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 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
<b>Chloride</b>	<b>48.0</b>	16.0	11/25/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2024	ND	204	102	200	1.90	
<b>DRO &gt;C10-C28*</b>	<b>54.5</b>	10.0	11/22/2024	ND	187	93.5	200	0.782	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/19/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: FS 05 (H247125-05)**

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	11/22/2024	ND	2.30	115	2.00	3.30	
Toluene*	<0.050	0.050	11/22/2024	ND	2.19	109	2.00	3.62	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.18	109	2.00	4.12	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.47	108	6.00	3.89	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/25/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2024	ND	204	102	200	1.90	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	187	93.5	200	0.782	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/19/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: FS 06 (H247125-06)**

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	11/22/2024	ND	2.30	115	2.00	3.30	
Toluene*	<0.050	0.050	11/22/2024	ND	2.19	109	2.00	3.62	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.18	109	2.00	4.12	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.47	108	6.00	3.89	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 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
<b>Chloride</b>	<b>144</b>	16.0	11/25/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2024	ND	204	102	200	1.90	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	187	93.5	200	0.782	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/19/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: FS 07 (H247125-07)**

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	11/22/2024	ND	2.30	115	2.00	3.30	
Toluene*	<0.050	0.050	11/22/2024	ND	2.19	109	2.00	3.62	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.18	109	2.00	4.12	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.47	108	6.00	3.89	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	32.0	16.0	11/25/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2024	ND	204	102	200	1.90	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	187	93.5	200	0.782	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/19/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: FS 08 (H247125-08)**

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	11/22/2024	ND	2.30	115	2.00	3.30	
Toluene*	<0.050	0.050	11/22/2024	ND	2.19	109	2.00	3.62	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.18	109	2.00	4.12	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.47	108	6.00	3.89	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>288</b>	16.0	11/25/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2024	ND	204	102	200	1.90	
<b>DRO &gt;C10-C28*</b>	<b>36.5</b>	10.0	11/22/2024	ND	187	93.5	200	0.782	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/20/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: FS 09 (H247125-09)**

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	11/22/2024	ND	2.30	115	2.00	3.30	
Toluene*	<0.050	0.050	11/22/2024	ND	2.19	109	2.00	3.62	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.18	109	2.00	4.12	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.47	108	6.00	3.89	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/25/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2024	ND	204	102	200	1.90	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	187	93.5	200	0.782	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/19/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: FS 10 (H247125-10)**

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	11/22/2024	ND	2.30	115	2.00	3.30	
Toluene*	<0.050	0.050	11/22/2024	ND	2.19	109	2.00	3.62	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.18	109	2.00	4.12	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.47	108	6.00	3.89	
Total BTEX	<0.300	0.300	11/22/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>96.0</b>	16.0	11/25/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2024	ND	204	102	200	1.90	
<b>DRO &gt;C10-C28*</b>	<b>80.8</b>	10.0	11/22/2024	ND	187	93.5	200	0.782	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/20/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: FS 11 (H247125-11)**

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	11/22/2024	ND	2.30	115	2.00	3.30	
Toluene*	<0.050	0.050	11/22/2024	ND	2.19	109	2.00	3.62	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.18	109	2.00	4.12	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.47	108	6.00	3.89	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/25/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2024	ND	204	102	200	1.90	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	187	93.5	200	0.782	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/20/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: FS 12 (H247125-12)**

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	11/22/2024	ND	2.30	115	2.00	3.30	
Toluene*	<0.050	0.050	11/22/2024	ND	2.19	109	2.00	3.62	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.18	109	2.00	4.12	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.47	108	6.00	3.89	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 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	128	16.0	11/25/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2024	ND	204	102	200	1.90	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	187	93.5	200	0.782	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/20/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: FS 13 (H247125-13)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	3.30	
Toluene*	<0.050	0.050	11/22/2024	ND	2.19	109	2.00	3.62	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.18	109	2.00	4.12	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.47	108	6.00	3.89	
Total BTEX	<0.300	0.300	11/22/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/25/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2024	ND	204	102	200	1.90	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	187	93.5	200	0.782	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/19/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: FS 14 (H247125-14)**

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	11/22/2024	ND	2.30	115	2.00	3.30	
Toluene*	<0.050	0.050	11/22/2024	ND	2.19	109	2.00	3.62	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.18	109	2.00	4.12	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.47	108	6.00	3.89	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	11/25/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2024	ND	204	102	200	1.90	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	187	93.5	200	0.782	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/20/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: FS 15 (H247125-15)**

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	11/22/2024	ND	2.30	115	2.00	3.79	
Toluene*	<0.050	0.050	11/22/2024	ND	2.36	118	2.00	3.18	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.25	112	2.00	3.02	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.06	118	6.00	2.63	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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
<b>Chloride</b>	<b>192</b>	16.0	11/25/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2024	ND	204	102	200	7.50	
<b>DRO &gt;C10-C28*</b>	<b>10.6</b>	10.0	11/22/2024	ND	196	98.1	200	6.28	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/20/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: FS 16 (H247125-16)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	3.79		
Toluene*	<0.050	0.050	11/22/2024	ND	2.36	118	2.00	3.18		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.25	112	2.00	3.02		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.06	118	6.00	2.63		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	
<b>Chloride</b>	<b>272</b>	16.0	11/25/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/22/2024	ND	204	102	200	7.50		
<b>DRO &gt;C10-C28*</b>	<b>47.5</b>	10.0	11/22/2024	ND	196	98.1	200	6.28		
<b>EXT DRO &gt;C28-C36</b>	<b>12.6</b>	10.0	11/22/2024	ND						

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/20/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: FS 17 (H247125-17)**

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	3.79	
Toluene*	<0.050	0.050	11/22/2024	ND	2.36	118	2.00	3.18	
<b>Ethylbenzene*</b>	<b>0.051</b>	0.050	11/22/2024	ND	2.25	112	2.00	3.02	GC-NC1
<b>Total Xylenes*</b>	<b>0.362</b>	0.150	11/22/2024	ND	7.06	118	6.00	2.63	GC-NC1
<b>Total BTEX</b>	<b>0.413</b>	0.300	11/22/2024	ND					GC-NC1

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>128</b>	16.0	11/25/2024	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	11/22/2024	ND	204	102	200	7.50	
<b>DRO &gt;C10-C28*</b>	<b>84.5</b>	10.0	11/22/2024	ND	196	98.1	200	6.28	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/20/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: FS 18 (H247125-18)**

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	3.79	
<b>Toluene*</b>	<b>0.058</b>	0.050	11/22/2024	ND	2.36	118	2.00	3.18	GC-NC1
<b>Ethylbenzene*</b>	<b>0.328</b>	0.050	11/22/2024	ND	2.25	112	2.00	3.02	GC-NC1
<b>Total Xylenes*</b>	<b>2.34</b>	0.150	11/22/2024	ND	7.06	118	6.00	2.63	GC-NC1
<b>Total BTEX</b>	<b>2.72</b>	0.300	11/22/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 149 % 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
<b>Chloride</b>	<b>272</b>	16.0	11/25/2024	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
<b>GRO C6-C10*</b>	<b>78.4</b>	10.0	11/22/2024	ND	204	102	200	7.50	
<b>DRO &gt;C10-C28*</b>	<b>817</b>	10.0	11/22/2024	ND	196	98.1	200	6.28	
<b>EXT DRO &gt;C28-C36</b>	<b>160</b>	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/20/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: FS 19 (H247125-19)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	3.79	
Toluene*	<0.050	0.050	11/22/2024	ND	2.36	118	2.00	3.18	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.25	112	2.00	3.02	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.06	118	6.00	2.63	
Total BTEX	<0.300	0.300	11/22/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	11/25/2024	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	11/22/2024	ND	204	102	200	7.50	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	196	98.1	200	6.28	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/20/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: SW 01 (H247125-20)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	3.79	
Toluene*	<0.050	0.050	11/22/2024	ND	2.36	118	2.00	3.18	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.25	112	2.00	3.02	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.06	118	6.00	2.63	
Total BTEX	<0.300	0.300	11/22/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	11/25/2024	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	11/22/2024	ND	204	102	200	7.50	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	196	98.1	200	6.28	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/20/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: SW 02 (H247125-21)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	3.79	
Toluene*	<0.050	0.050	11/22/2024	ND	2.36	118	2.00	3.18	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.25	112	2.00	3.02	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.06	118	6.00	2.63	
Total BTEX	<0.300	0.300	11/22/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/25/2024	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	11/25/2024	ND	204	102	200	7.50	
DRO >C10-C28*	<10.0	10.0	11/25/2024	ND	196	98.1	200	6.28	
EXT DRO >C28-C36	<10.0	10.0	11/25/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/20/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: SW 03 (H247125-22)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	3.79	
Toluene*	<0.050	0.050	11/22/2024	ND	2.36	118	2.00	3.18	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.25	112	2.00	3.02	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.06	118	6.00	2.63	
Total BTEX	<0.300	0.300	11/22/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/25/2024	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	11/22/2024	ND	204	102	200	7.50	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	196	98.1	200	6.28	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/20/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: SW 04 (H247125-23)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	3.79		
Toluene*	<0.050	0.050	11/22/2024	ND	2.36	118	2.00	3.18		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.25	112	2.00	3.02		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.06	118	6.00	2.63		
Total BTEX	<0.300	0.300	11/22/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/25/2024	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	11/22/2024	ND	204	102	200	7.50		
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	196	98.1	200	6.28		
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND						

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/20/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: SW 05 (H247125-24)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	3.79		
Toluene*	<0.050	0.050	11/22/2024	ND	2.36	118	2.00	3.18		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.25	112	2.00	3.02		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.06	118	6.00	2.63		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	11/25/2024	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	11/22/2024	ND	204	102	200	7.50		
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	196	98.1	200	6.28		
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND						

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/20/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: SW 06 (H247125-25)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	3.79	
Toluene*	<0.050	0.050	11/22/2024	ND	2.36	118	2.00	3.18	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.25	112	2.00	3.02	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.06	118	6.00	2.63	
Total BTEX	<0.300	0.300	11/22/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/25/2024	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	11/22/2024	ND	204	102	200	7.50	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	196	98.1	200	6.28	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 71.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 52.3 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/21/2024	Sampling Date:	11/20/2024
Reported:	11/25/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Tamara Oldaker
Project Location:	XTO - 32.205624-103.904817		

**Sample ID: SW 07 (H247125-26)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	3.79	
Toluene*	<0.050	0.050	11/22/2024	ND	2.36	118	2.00	3.18	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.25	112	2.00	3.02	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.06	118	6.00	2.63	
Total BTEX	<0.300	0.300	11/22/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	11/25/2024	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	11/22/2024	ND	204	102	200	7.50	
DRO >C10-C28*	<10.0	10.0	11/22/2024	ND	196	98.1	200	6.28	
EXT DRO >C28-C36	<10.0	10.0	11/22/2024	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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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Handwritten signature of Mike Snyder

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1-3

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

Company Name: Ensolum **BILL TO** ANALYSIS REQUEST

Project manager: Tacoma Morrissey P.O. #: Company: XTO Energy

Address: 3122 National Parks Hwy State: NM ZIP: 88220 Attn: Colton Brown

City: Carlsbad Phone #: 337-257-8307 Address: 3104 E Greene st

Project #: 03C1558321 City: Carlsbad

Project Name: PLU CVX JV PC 11 State: NM Zip: 88220

Project Location: 32.205624, -103.904817 Phone #:

Sampler Name: Uriel Santillana Fax #:

FOR LAB USE ONLY Lab I.D. Sample I.D.

Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		DATE	TIME	CHLORIDES	PH	BTEX
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	ACID/BASE:	ICE / COOL					
1	C	1			X			X		11/19/24	1317	X	X	X
2	C	1			X			X		11/19/24	1320	X	X	X
3	C	1			X			X		11/19/24	1322	X	X	X
4	C	1			X			X		11/19/24	1347	X	X	X
5	C	1			X			X		11/19/24	1351	X	X	X
6	C	1			X			X		11/19/24	1353	X	X	X
7	C	1			X			X		11/19/24	1356	X	X	X
8	C	1			X			X		11/19/24	1440	X	X	X
9	C	1			X			X		11/19/24	1335	X	X	X
10	C	1			X			X		11/19/24	1500	X	X	X

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Relinquished By: [Signature] Date: 11-21-24 Received By: [Signature] Date: 11-21-24

Observed Temp. °C: 2.9 Corrected Temp. °C: 2.9 Sample Condition: Cool Intact

FORM-006 R 3.2 10/07/21 Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com





CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
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BILL TO

ANALYSIS REQUEST

Company Name: Ensolum  
 Project manager: Tacoma Morrissey  
 Address: 3122 National Parks Hwy  
 City: Carlsbad State: NM ZIP: 88220  
 Phone #: 337-257-8307  
 Project #: 03C1558321  
 Project Name: PLU CVX JV PC 11  
 Project Location: 32.205624, -103.904817  
 Sampler Name: Uriel Santillana  
 Lab I.D. [Blank]

P.O. #: [Blank]  
 Company: XTO Energy  
 Attn: Colton Brown  
 Address: 3104 E Greene St  
 City: Carlsbad State: NM Zip: 88220  
 Phone #: [Blank] Fax #: [Blank]

Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CHLORIDES	THERM	BTEX
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
11247135		4			X				11/20/24	1515	X	X	
81										1448	X	X	
82										955	X	X	
83										1000	X	X	
84										1005	X	X	
85										1008	X	X	
86													

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Abandoned By: [Signature]  
 Date: 11-21-24  
 Received By: [Signature]  
 Date: 11-30-24

Observed Temp. °C: 2.9  
 Corrected Temp. °C: 2.3

Sample Condition: Cool Intact  Yes  No

CHECKED BY: [Signature]

Turnaround Time:  Rush  Standard  
 Theft/Damage ID #140  
 Correction Factor: -0.6°C

Verbal Result:  Yes  No  
 Add'l Phone #: [Blank]

REMARKS: Incident ID: nAPP2401641673



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---

December 20, 2024

TACOMA MORRISSEY

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU CVX JV PC 11

Enclosed are the results of analyses for samples received by the laboratory on 12/19/24 10:33.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
TACOMA MORRISSEY  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	12/19/2024	Sampling Date:	12/19/2024
Reported:	12/20/2024	Sampling Type:	Soil
Project Name:	PLU CVX JV PC 11	Sampling Condition:	Cool & Intact
Project Number:	03C1558321	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.205624-103.904817		

**Sample ID: FS 18 2.5' (H247667-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2024	ND	2.05	103	2.00	1.36	
Toluene*	<0.050	0.050	12/19/2024	ND	1.95	97.6	2.00	2.63	
Ethylbenzene*	<0.050	0.050	12/19/2024	ND	1.97	98.3	2.00	3.68	
Total Xylenes*	<0.150	0.150	12/19/2024	ND	5.91	98.6	6.00	4.19	
Total BTEX	<0.300	0.300	12/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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
<b>Chloride</b>	<b>144</b>	16.0	12/19/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2024	ND	206	103	200	5.43	
<b>DRO &gt;C10-C28*</b>	<b>41.8</b>	10.0	12/20/2024	ND	185	92.5	200	4.91	
EXT DRO >C28-C36	<10.0	10.0	12/20/2024	ND					

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>	
Project Manager: Tacoma Morrissey		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 #: 337-257-8307		City: Carlsbad			
Fax #: 03C1558321		State: NM Zip: 88220			
Project #: 03C1558321		Project Owner: XTO			
Project Name: PLU CVX JV PC 11		Phone #:			
Project Location: 32.205624, -103.904817		Fax #:			
Sampler Name: Jesse Dorman		DATE		TIME	
FOR LAB USE ONLY		1/29/24		8:20	
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	
H471667	FS18	2.51	C 1	1	
			GROUNDWATER		
			WASTEWATER		
			SOIL		
			OIL		
			SLUDGE		
			OTHER:		
			ACID/BASE:		
			ICE / COOL		
			OTHER:		
			DATE		
			TIME		
			BTEX		
			TPH		
			CHLORIDE		

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Relinquished By: [Signature]  
Date: 8/19/24  
Time: 10:33  
Received By: [Signature]  
Date: [Blank]  
Time: [Blank]

Delivered By: (Circle One)  UPS  Bus  Other: \_\_\_\_\_  
Observed Temp. °C: 2.8  
Corrected Temp. °C: 2.2  
Sample Condition:  Intact  Cool  Yes  No  
CHECKED BY: [Signature]  
Turnaround Time:  Standard  Rush  
Thermometer ID: #443  
Correction Factor: 0.03  
Bacteria (only)  Sample Condition  Observed Temp. °C  
 Cool  Intact  Yes  No  
Corrected Temp. °C

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

QUESTIONS

Action 425539

**QUESTIONS**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 425539
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2401641673
Incident Name	NAPP2401641673 PLU CVX JV PC 11 @ 0
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2218240516] XTO PERMIAN MIDSTREAM NGGS

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	PLU CVX JV PC 11
Date Release Discovered	01/08/2024
Surface Owner	Federal

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Corrosion   Flow Line - Production   Crude Oil   Released: 4 BBL   Recovered: 1 BBL   Lost: 3 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion   Flow Line - Production   Produced Water   Released: 2 BBL   Recovered: 0 BBL   Lost: 2 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Cause: Corrosion   Flow Line - Production   Natural Gas Vented   Released: 320 MCF   Recovered: 0 MCF   Lost: 320 MCF.
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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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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QUESTIONS, Page 2

Action 425539

**QUESTIONS (continued)**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 425539
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>No</b>
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

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

**Initial Response**

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

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

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

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

I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 01/28/2025
----------------------------------------------------	----------------------------------------------------------------------------------------------------------------

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Phone: (505) 476-3441

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

QUESTIONS, Page 3

Action 425539

**QUESTIONS (continued)**

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 425539
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 300 and 500 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

**Remediation Plan**

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

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

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

Chloride (EPA 300.0 or SM4500 Cl B)	3600
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	16510
GRO+DRO (EPA SW-846 Method 8015M)	14910
BTEX (EPA SW-846 Method 8021B or 8260B)	412
Benzene (EPA SW-846 Method 8021B or 8260B)	10.4

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

On what estimated date will the remediation commence	03/05/2024
On what date will (or did) the final sampling or liner inspection occur	12/19/2024
On what date will (or was) the remediation complete(d)	12/20/2024
What is the estimated surface area (in square feet) that will be reclaimed	3770
What is the estimated volume (in cubic yards) that will be reclaimed	500
What is the estimated surface area (in square feet) that will be remediated	3770
What is the estimated volume (in cubic yards) that will be remediated	500

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

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

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QUESTIONS, Page 4

Action 425539

**QUESTIONS (continued)**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 425539
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Remediation Plan (continued)**

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

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

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 01/28/2025
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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General Information  
Phone: (505) 629-6116

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

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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 5

Action 425539

**QUESTIONS (continued)**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 425539
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

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

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QUESTIONS, Page 6

Action 425539

**QUESTIONS (continued)**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 425539
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>428949</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>02/10/2025</b>
What was the (estimated) number of samples that were to be gathered	<b>1</b>
What was the sampling surface area in square feet	<b>200</b>

**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	3770
What was the total volume (cubic yards) remediated	500
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	3770
What was the total volume (in cubic yards) reclaimed	500
Summarize any additional remediation activities not included by answers (above)	Site assessment and excavation activities were conducted at the Site to address the January 8, 2024, release. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated that all COC concentrations were compliant with the Site Closure Criteria. Based on the soil sample analytical results, no further remediation is required.

*The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.*

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 01/28/2025
----------------------------------------------------	----------------------------------------------------------------------------------------------------------------

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Action 425539

**QUESTIONS (continued)**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 425539
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

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

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CONDITIONS

Action 425539

**CONDITIONS**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 425539
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2401641673 PLU CVX JV PC 11, thank you. This Remediation Closure Report is approved.	2/6/2025